

Source Data of “Preparation and characteristic of
polyurethane powder adhesives with heating resistance
modified by nano-silica”

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Figure1. FTIR spectrum of the PPAs

Wave Number/cm ⁻¹	PPU	PPSA	PPSI	PPST	PPSY
399.28204	105.2371	105.4762	96.42184	92.95304	99.07705
400.24648	107.6586	104.2873	96.65939	93.46422	99.47213
401.21093	106.0232	103.5449	93.30947	92.8189	98.42387
402.17538	103.4718	102.2926	91.0541	91.23836	97.8824
403.13983	101.5586	100.6166	90.47816	89.62498	97.31398
404.10428	100.6406	100.4355	90.73308	89.28383	98.40617
405.06873	99.84071	100.635	89.77678	89.64717	99.62681
406.03318	99.86947	101.6418	89.27403	90.4084	100.4458
406.99763	101.174	103.0713	89.19999	90.9498	101.0786
407.96208	101.8069	103.1485	88.30353	90.40993	100.2992
408.92653	101.5298	102.1443	87.81979	89.62792	98.95306
409.89098	101.7975	102.3562	88.70368	89.60881	98.71201
410.85543	102.5094	103.2827	89.82041	90.18995	99.75821
411.81988	103.2666	104.4878	90.93019	90.82063	100.5812
412.78433	103.2646	104.8037	91.4618	90.92701	100.5618
413.74878	103.1197	104.6312	91.14014	90.71813	100.5029
414.71323	103.1561	104.6583	90.76375	90.68139	100.2535
415.67767	103.2296	104.3856	90.54779	90.66897	99.94284
416.64212	103.089	103.6234	90.82032	90.39838	99.33224
417.60657	102.5949	103.4538	92.68582	89.7554	97.01078
418.57102	100.5198	103.0705	95.98802	88.46524	93.44398
419.53547	98.67735	102.1659	95.29949	88.74666	96.68359
420.49992	99.28408	101.1926	92.37892	89.51503	98.93214
421.46437	99.83466	101.248	91.39518	89.84681	98.90153
422.42882	99.97471	102.1599	91.4583	89.98276	98.47099
423.39327	100.2904	102.606	91.36533	90.10223	99.67601
424.35772	100.8023	102.1054	91.33409	90.08143	100.6507
425.32217	100.7036	101.7608	91.2545	88.92196	99.79968
426.28662	100.761	101.3908	90.56289	88.56999	99.79423
427.25107	101.259	101.1605	90.21205	89.0327	100.273
428.21552	101.4751	100.7864	90.20576	89.10642	100.2653
429.17996	102.0072	101.0475	90.60907	89.95136	101.0489
430.14441	102.9784	102.0308	91.46096	91.14788	101.8002
431.10886	103.8439	103.3104	92.50479	91.81817	102.0895
432.07331	103.5611	103.5386	92.65939	92.20033	102.0851
433.03776	102.9633	103.3644	92.34759	92.42849	101.6811
434.00221	102.7471	103.1966	92.01649	92.06142	101.4177
434.96666	103.2712	103.7019	91.8675	91.90766	101.6777
435.93111	103.5228	104.3031	92.09333	92.86947	101.5609
436.89556	103.1841	103.5952	91.43423	92.53713	100.6018
437.86001	103.0027	102.7242	90.38962	91.21322	100.612
438.82446	102.7985	102.8616	90.17197	90.8239	101.1288
439.78891	103.0259	103.2798	90.78411	91.48094	101.6371
440.75336	103.6466	103.6592	92.08009	92.54054	102.2311
441.71781	103.9389	103.6793	93.55634	92.91006	102.1559
442.68226	102.9206	102.5328	93.34064	92.32784	101.0982
443.64671	101.4557	101.4876	92.38063	91.84015	100.2029
444.61116	100.8089	101.5358	91.94036	91.94182	100.6917
445.5756	100.556	101.747	91.9359	92.07229	100.6205
446.54005	100.0257	101.5374	91.8025	91.13823	99.19751

447.5045	99.95686	101.2703	91.15141	90.28675	98.99736
448.46895	100.5554	101.5013	90.94454	90.05001	99.6185
449.4334	101.5198	102.1072	91.27106	90.16332	100.2443
450.39785	102.5287	102.8623	92.13343	91.08268	101.1623
451.3623	103.6289	103.8928	93.27257	92.22975	102.2983
452.32675	104.3613	105.0559	93.93817	92.74308	102.4958
453.2912	104.5565	104.8665	93.40776	92.07973	101.7756
454.25565	104.5163	104.0814	92.88325	91.90159	101.9037
455.2201	104.5751	103.9803	92.77543	92.32571	102.5105
456.18455	104.9077	104.3103	92.94242	92.09401	102.7159
457.149	105.1031	104.8481	93.33038	90.66782	102.1632
458.11345	104.2809	104.3624	92.75245	89.90171	101.8554
459.0779	103.4563	103.3317	91.99776	90.50195	102.22
460.04235	102.9009	102.9958	91.90596	90.70137	102.3546
461.00679	102.2878	102.6058	92.02136	90.74543	102.0719
461.97124	101.9952	102.247	92.11758	90.86043	102.0595
462.93569	102.2114	101.9522	91.86773	91.06394	101.682
463.90014	102.5381	101.7224	91.68638	91.103	101.0155
464.86459	102.6657	101.4711	91.65427	91.33307	100.7244
465.82904	102.5564	101.3342	91.72131	91.5856	100.5664
466.79349	102.1961	101.1481	91.604	91.19303	99.8854
467.75794	101.9373	100.9947	91.42266	90.46892	98.83515
468.72239	102.1558	101.181	91.46085	90.53512	99.24354
469.68684	102.4757	101.4851	91.5597	91.07146	100.4865
470.65129	102.8191	101.915	91.86455	91.34755	101.0207
471.61574	103.49	103.1911	92.89834	91.43772	101.0508
472.58019	103.9415	104.4798	93.7475	91.18415	101.1955
473.54464	103.5801	103.6674	92.90331	91.24889	102.0015
474.50909	103.2408	103.231	92.50251	91.36549	102.121
475.47353	103.0395	103.2165	92.5618	91.46059	101.9866
476.43798	102.8755	102.8977	92.56153	91.59716	102.0299
477.40243	102.8778	102.4906	92.40802	91.59123	102.1735
478.36688	103.2678	102.5308	92.27687	91.63848	102.2782
479.33133	103.4255	102.698	92.18282	91.57792	102.0741
480.29578	103.3795	102.7721	92.20123	91.36758	101.8643
481.26023	103.6163	102.9391	92.31891	91.30611	101.6857
482.22468	103.8965	103.1312	92.56262	91.6301	101.7731
483.18913	104.1269	103.5343	93.12548	91.99447	101.7837
484.15358	103.8103	103.4558	93.24424	91.79717	101.6148
485.11803	103.4376	102.9198	92.6962	91.79736	101.7265
486.08248	103.1415	102.6705	92.37824	91.65856	101.5133
487.04693	103.1627	102.685	92.46037	91.5094	101.8478
488.01138	103.4456	102.9434	92.91952	91.75661	102.2907
488.97583	103.6203	103.2716	93.20675	91.97821	102.3983
489.94027	103.4458	103.1848	93.09192	91.84827	102.3315
490.90472	103.1709	102.9922	92.95108	91.62205	102.0543
491.86917	102.8788	102.8573	92.83882	91.58907	101.3567
492.83362	103	102.9655	92.5917	92.08383	101.5865
493.79807	103.2173	103.1676	92.51969	92.37215	101.9049
494.76252	103.1711	103.2113	92.37819	92.35263	101.8645
495.72697	102.9176	103.0275	92.16995	92.29836	101.5364
496.69142	102.6589	102.9557	92.25917	92.19168	101.4097
497.65587	102.8267	103.1308	92.55757	92.11482	101.8607
498.62032	103.1924	103.3038	92.85593	92.11271	102.2929

499.58477	103.3206	103.3273	92.95931	92.20258	102.458
500.54922	103.4476	103.5206	92.99672	92.17582	102.5319
501.51367	103.8158	104.1262	93.32586	92.03045	102.2079
502.47812	103.9762	104.4386	93.51144	91.94034	102.1029
503.44257	103.828	104.0172	93.357	92.30872	102.4923
504.40702	103.6805	103.7996	93.36175	92.54325	102.3335
505.37147	103.78	103.8774	93.35311	92.60917	102.1401
506.33591	103.7565	104.1003	93.54288	92.3429	101.5042
507.30036	103.4369	104.0919	93.41326	92.12049	101.1805
508.26481	103.4633	103.8928	93.08502	92.40936	101.6506
509.22926	103.7902	103.9585	93.14472	92.73012	101.9136
510.19371	104.0887	104.1574	93.37531	92.7826	102.1687
511.15816	104.0129	104.0397	93.51705	92.71681	102.4774
512.12261	103.7676	103.8378	93.47859	92.74678	102.5337
513.08706	103.45	103.6029	93.18306	92.64141	102.2308
514.05151	103.1678	103.2736	92.82221	92.53562	102.0181
515.01596	103.2414	103.262	92.71542	92.68257	102.2135
515.98041	103.3697	103.5614	92.92391	92.61652	102.1858
516.94486	103.3096	103.9711	93.26248	92.34265	101.5671
517.90931	103.3496	103.9443	93.07267	92.4151	101.6375
518.87376	103.3385	103.8529	92.97266	92.45181	101.6055
519.83821	103.511	104.1155	93.30027	92.64672	101.5535
520.80265	103.7562	104.0895	93.31658	92.86839	101.9415
521.7671	103.9895	104.1311	93.49906	93.08957	102.3539
522.73155	104.1299	104.0531	93.49891	93.17772	102.581
523.696	103.9625	103.819	93.17878	93.05188	102.3333
524.66045	103.8396	103.8945	93.0807	92.95743	102.0341
525.6249	103.8395	104.3308	93.52751	92.91301	101.7824
526.58935	103.7728	104.1372	93.35548	93.00704	102.2235
527.5538	103.7493	103.7235	93.02457	93.12879	102.7519
528.51825	103.6661	103.5928	92.95664	92.89945	102.6059
529.4827	103.5755	103.6058	92.85107	92.62838	102.371
530.44715	103.7103	103.8067	92.90938	92.51313	102.4541
531.4116	103.8724	103.9151	93.10523	92.35471	102.5284
532.37605	103.995	104.1726	93.38003	92.38322	102.4716
533.3405	103.8894	104.1778	93.36057	92.68464	102.3849
534.30494	103.834	103.8279	93.36307	92.76728	102.2814
535.2694	103.9107	103.7514	93.6852	92.62121	102.2689
536.23384	103.9569	103.9578	93.87338	92.98837	102.4037
537.19829	103.8164	103.7606	93.54507	92.95632	102.3651
538.16274	103.4429	103.4288	93.09735	92.77585	102.2534
539.12719	103.4097	103.6708	93.08119	92.94595	102.6046
540.09164	103.7328	104.0032	93.43746	93.16317	103.1109
541.05609	103.805	104.0606	93.73216	93.25617	103.2646
542.02054	103.6085	103.9135	93.72798	93.11361	102.8705
542.98499	103.4929	103.8027	93.55981	92.82157	102.5573
543.94944	103.3515	103.6654	93.39952	92.58006	102.2839
544.91389	103.3727	103.8564	93.63591	92.77934	102.1982
545.87834	103.2995	103.8062	93.76431	92.79039	101.9363
546.84279	103.2883	103.5144	93.69505	92.67093	101.8744
547.80724	103.3671	103.4002	93.58469	92.75571	102.0433
548.77169	103.5355	103.5615	93.51756	93.04867	102.3274
549.73613	103.6634	103.6062	93.34647	92.7067	102.196
550.70059	103.7525	103.6867	92.98694	92.60461	102.2292

551.66503	103.6399	103.6535	93.25372	93.11536	102.5795
552.62948	103.4855	103.3694	93.45985	93.13307	102.6271
553.59393	103.672	103.5741	93.60503	93.36947	102.6541
554.55838	103.6064	103.7437	93.66031	93.49542	102.4201
555.52283	103.6288	103.7359	93.3589	93.34467	102.396
556.48728	103.7318	103.8023	93.26889	93.09452	102.5441
557.45173	103.8773	103.8343	93.2618	92.89238	102.6487
558.41618	103.7733	103.6807	93.07298	92.77322	102.5569
559.38063	103.5392	103.4869	92.85677	92.63248	102.3053
560.34508	103.4991	103.3553	92.79857	92.69433	102.2513
561.30953	103.5077	103.299	92.86024	92.90201	102.2685
562.27398	103.5154	103.3321	92.95641	92.96091	102.2009
563.23843	103.4835	103.4312	93.00891	92.85284	102.0295
564.20288	103.427	103.4467	92.99659	92.67617	101.9464
565.16733	103.4514	103.3327	92.98287	92.5044	102.0217
566.13177	103.5671	103.3867	93.20087	92.63956	102.0938
567.09622	103.7763	103.6406	93.55055	92.83769	102.1329
568.06067	103.9336	103.6841	93.57506	92.88205	102.3183
569.02512	103.9172	103.5736	93.55633	92.70612	102.2062
569.98957	103.7412	103.3869	93.40678	92.56578	102.0828
570.95402	103.5062	103.0653	93.11847	92.49529	101.9996
571.91847	103.3964	102.8642	92.91066	92.49477	101.8248
572.88292	103.4061	102.7248	92.8271	92.39175	101.7344
573.84737	103.4184	102.6568	92.90459	92.31357	101.723
574.81182	103.3305	102.7652	93.00895	92.30204	101.6134
575.77627	103.2038	102.9914	93.22261	92.27108	101.1616
576.74072	103.1795	102.7629	93.18864	92.29858	101.1092
577.70517	103.3012	102.508	93.08114	92.37517	101.3473
578.66962	103.4158	102.5736	93.03001	92.38923	101.4225
579.63406	103.4926	102.6138	92.99532	92.36702	101.311
580.59852	103.3462	102.516	92.95507	92.14522	100.9708
581.56296	103.2293	102.3238	92.77302	91.96675	101.068
582.52741	103.2838	102.2803	92.74676	91.9422	101.4496
583.49186	103.329	102.4471	92.85174	92.02822	101.5301
584.45631	103.3006	102.5506	92.92526	92.07529	101.3631
585.42076	103.3489	102.4684	92.90546	92.16586	101.4662
586.38521	103.4431	102.4295	92.92551	92.28669	101.6324
587.34966	103.2483	102.3165	92.73765	92.19915	101.4675
588.31411	103.0959	102.1514	92.46862	92.06021	101.1585
589.27856	103.2169	102.2058	92.41096	92.00088	101.1633
590.24301	103.3088	102.2756	92.56826	91.91378	101.2628
591.20746	103.3882	102.4203	92.95476	91.88397	101.0188
592.17191	103.4361	102.6351	93.04192	91.86659	100.8982
593.13636	103.5846	102.5876	92.81791	92.04118	101.4393
594.10081	103.7375	102.5726	92.90113	92.17176	101.6581
595.06525	103.5587	102.3909	92.96358	92.11784	101.4762
596.0297	103.3724	102.1628	92.88694	91.94673	101.3983
596.99415	103.4921	102.231	92.82904	91.97119	101.5259
597.9586	103.6484	102.3678	92.82909	92.16586	101.7955
598.92305	103.5987	102.4399	92.89059	92.21088	101.8444
599.8875	103.5553	102.4753	92.9851	92.09646	101.5883
600.85195	103.6368	102.4653	92.93092	92.0635	101.5679
601.8164	103.9629	102.5826	92.89524	92.21567	102.0087
602.78085	104.0444	102.5431	92.71058	92.18094	102.1384

603.7453	103.8893	102.3611	92.60549	92.12112	101.9632
604.70975	103.7385	102.2582	92.69128	92.19134	101.9128
605.6742	103.6505	102.2539	92.61921	92.19439	101.9551
606.63865	103.6937	102.3489	92.70307	92.24359	102.0222
607.6031	103.6902	102.3451	92.76045	92.2821	102.1027
608.56755	103.6847	102.3727	92.71672	92.2982	102.2401
609.532	103.6424	102.3087	92.72598	92.26331	102.1916
610.49644	103.6182	102.4143	92.93782	92.24714	102.2252
611.46089	103.6827	102.5604	93.15847	92.26786	102.1705
612.42534	103.7066	102.5464	93.12786	92.2443	101.9279
613.38979	103.6676	102.3157	92.93884	92.1695	101.8746
614.35424	103.8845	102.3425	93.0615	92.40797	102.1684
615.31869	104.1936	102.5771	93.26459	92.48996	102.1952
616.28314	103.8955	102.2238	92.76885	92.06478	101.945
617.24759	102.9998	101.1693	91.76785	91.67322	101.7443
618.21204	103.2242	101.4026	92.11653	91.89785	101.9808
619.17649	104.0578	102.4476	93.12995	92.3957	102.3298
620.14094	104.0408	102.6046	93.28327	92.48558	102.2096
621.10539	103.8357	102.5551	93.09198	92.37015	101.9653
622.06984	103.5938	102.3906	92.83667	92.15905	101.782
623.03429	103.5623	102.3068	92.80988	92.11781	101.7398
623.99874	103.6741	102.3148	92.97754	92.09517	101.869
624.96318	103.7852	102.445	93.15569	92.0341	101.93
625.92764	103.6679	102.4453	92.97584	92.00001	101.9523
626.89208	103.6355	102.3092	92.83918	91.9753	101.9633
627.85653	103.692	102.2936	92.91063	92.05521	102.0969
628.82098	103.7998	102.4148	93.0038	92.2523	102.2891
629.78543	103.8378	102.4611	93.00956	92.36026	102.3044
630.74988	103.8038	102.4233	92.95547	92.3515	102.2123
631.71433	103.7186	102.3015	92.85403	92.27735	102.1073
632.67878	103.6561	102.259	92.78259	92.1986	101.9712
633.64323	103.5465	102.212	92.64751	92.15135	101.936
634.60768	103.5123	102.2642	92.65102	92.08526	101.9228
635.57213	103.4956	102.2476	92.66672	91.9984	101.8942
636.53658	103.4677	102.0064	92.51923	91.99724	102.0423
637.50103	103.381	101.7823	92.41233	91.93724	102.0041
638.46548	103.2564	101.6523	92.33664	91.84134	101.8928
639.42993	103.1256	101.5752	92.22131	91.78711	101.8807
640.39437	103.0613	101.5796	92.1135	91.76154	102.0034
641.35882	102.972	101.5496	92.03128	91.71155	102.131
642.32327	102.8588	101.4603	91.92216	91.67611	102.1576
643.28772	102.7508	101.2457	91.80631	91.61871	102.0493
644.25217	102.6578	101.0856	91.73792	91.58792	101.9329
645.21662	102.5341	100.936	91.63592	91.57492	101.9375
646.18107	102.341	100.7117	91.45344	91.48479	101.8907
647.14552	102.0869	100.3859	91.20342	91.35954	101.783
648.10997	101.8685	100.043	90.97251	91.26434	101.8145
649.07442	101.882	99.95813	90.97673	91.21873	101.9876
650.03887	102.2057	100.3041	91.28011	91.40374	102.1638
651.00332	102.2414	100.3789	91.33295	91.48634	102.1089
651.96777	102.0758	100.2441	91.18819	91.41748	101.9782
652.93222	102.0476	100.1236	91.07856	91.40067	102.0596
653.89667	102.1646	100.1586	91.06802	91.45643	102.2149
654.86112	102.1996	100.3145	91.05296	91.48579	102.2841

655.82556	102.204	100.5184	91.11042	91.49667	102.3418
656.79001	102.2861	100.6084	91.19872	91.53406	102.4763
657.75446	102.5086	100.7869	91.4371	91.73243	102.6118
658.71891	102.6138	100.957	91.63377	91.87572	102.566
659.68336	102.6117	101.0281	91.6629	91.8559	102.3771
660.64781	102.6466	101.0366	91.63862	91.8007	102.3476
661.61226	102.6389	101.1668	91.72398	91.79225	102.3493
662.57671	102.5204	101.2576	91.71406	91.78711	102.2663
663.54116	102.7838	101.7296	91.97626	92.07209	102.3548
664.50561	103.3111	102.3241	92.4588	92.5315	102.8667
665.47006	103.8155	102.8245	92.91867	92.91629	103.5844
666.43451	103.4304	101.9923	92.26072	92.84254	104.0648
667.39896	100.2118	97.64207	88.73276	91.49174	103.956
668.36341	91.88918	86.85299	78.85063	85.34135	100.8866
669.32786	97.32252	93.76602	84.83258	88.07591	101.4268
670.29231	100.9631	98.74901	89.43963	90.60872	102.5028
671.25676	102.1332	100.4642	91.06096	91.46334	102.9325
672.2212	102.5253	100.9418	91.45441	91.77843	102.9982
673.18565	102.6817	101.0306	91.53524	91.92983	103.16
674.1501	102.7595	101.0684	91.63297	92.00387	103.3497
675.11455	102.7247	101.0319	91.59087	92.05247	103.2985
676.079	102.6674	101.0819	91.51386	92.09703	103.2641
677.04345	102.5244	101.0369	91.30543	92.02236	103.204
678.0079	102.3716	100.8126	91.15351	91.84296	103.0444
678.97235	102.2559	100.631	91.09188	91.69965	103.0493
679.9368	102.2136	100.6333	91.10998	91.70781	103.0927
680.90125	102.2481	100.6915	91.22093	91.75895	103.1537
681.8657	102.5002	100.9114	91.42172	91.8978	103.3706
682.83015	102.8191	101.1153	91.5952	92.09082	103.5504
683.7946	103.0081	101.2848	91.75356	92.26818	103.6222
684.75905	103.0545	101.3426	91.74383	92.34906	103.5775
685.72349	103.1685	101.4813	91.79023	92.37067	103.6171
686.68794	103.3496	101.7041	91.95959	92.40376	103.7265
687.65239	103.4248	101.8301	92.04478	92.35402	103.6445
688.61684	103.3556	101.7861	91.98976	92.26344	103.493
689.58129	103.3416	101.7934	92.02624	92.25048	103.4908
690.54574	103.3882	101.7795	92.08669	92.28842	103.5928
691.51019	103.4652	101.8743	92.28397	92.41521	103.7131
692.47464	103.6538	102.1524	92.55917	92.60154	103.8739
693.43909	103.9939	102.5036	92.86088	92.82582	104.0658
694.40354	104.2448	102.689	93.06965	92.94708	104.153
695.36799	104.3637	102.767	93.16314	92.95065	104.1085
696.33244	104.3803	102.773	93.20513	92.88478	103.9476
697.29689	104.3032	102.7996	93.21015	92.77462	103.7814
698.26134	104.2494	102.85	93.18885	92.73564	103.7805
699.22579	104.4324	103.0216	93.36081	92.8677	103.991
700.19024	104.6909	103.2812	93.6662	93.04359	104.1679
701.15468	104.8727	103.5263	93.89647	93.21533	104.2882
702.11913	104.9428	103.6154	93.8974	93.2568	104.2812
703.08358	104.9324	103.6109	93.78657	93.21592	104.2156
704.04803	104.882	103.6033	93.73555	93.212	104.1686
705.01248	104.8381	103.6464	93.79115	93.19522	104.0786
705.97693	104.8462	103.6861	93.83305	93.17958	104.0563
706.94138	104.9333	103.7688	93.9151	93.22225	104.1501

707.90583	105.0666	103.8768	94.07701	93.32189	104.28
708.87028	105.2081	103.9882	94.25594	93.46191	104.4125
709.83473	105.2167	104.0278	94.34244	93.48866	104.38
710.79918	105.2781	104.0895	94.40058	93.51459	104.4269
711.76363	105.3292	104.0537	94.36049	93.52714	104.4917
712.72808	105.2732	103.9838	94.2813	93.46775	104.3927
713.69253	105.1688	103.9228	94.1982	93.38955	104.2366
714.65698	105.242	103.9604	94.23164	93.47256	104.2711
715.62143	105.355	104.0158	94.32894	93.60568	104.355
716.58587	105.4662	104.1102	94.42134	93.72371	104.4982
717.55032	105.4662	104.0787	94.39069	93.73393	104.5245
718.51477	105.2591	103.7992	94.152	93.57671	104.4242
719.47922	104.6908	103.0192	93.47703	93.20561	104.2678
720.44367	104.3391	102.5532	93.02982	92.94808	104.1828
721.40812	104.9818	103.4466	93.79525	93.29686	104.3711
722.37257	105.3124	103.9336	94.28965	93.50872	104.4036
723.33702	105.3148	103.9443	94.30966	93.52508	104.3551
724.30147	105.4582	104.041	94.38073	93.67229	104.429
725.26592	105.5865	104.1301	94.49476	93.86012	104.5092
726.23037	105.6168	104.1429	94.58721	93.91588	104.5455
727.19482	105.5722	104.0647	94.56433	93.8225	104.488
728.15927	105.4962	103.9764	94.49706	93.73059	104.4178
729.12372	105.4793	103.937	94.46301	93.6907	104.3812
730.08817	105.4454	103.8351	94.42317	93.61069	104.2795
731.05261	105.3241	103.635	94.33119	93.4811	104.1049
732.01706	105.2719	103.4825	94.29018	93.42219	104.0173
732.98151	105.2854	103.3811	94.28822	93.39613	104.0074
733.94596	105.2917	103.3659	94.32133	93.42714	104.0991
734.91041	105.2078	103.284	94.26594	93.37569	104.0443
735.87486	105.1574	103.2291	94.21406	93.33342	103.9274
736.83931	105.1557	103.2406	94.20076	93.28755	103.8364
737.80376	105.1885	103.2835	94.22575	93.26313	103.7943
738.76821	105.1154	103.2478	94.14142	93.18555	103.6978
739.73266	104.9749	103.1977	94.04762	93.06517	103.5633
740.69711	104.8559	103.0908	93.92069	92.94801	103.4018
741.66156	104.8694	103.0195	93.86095	92.95901	103.3512
742.62601	104.9068	102.9836	93.88762	92.9972	103.3364
743.59046	104.9031	102.9692	93.93959	93.01104	103.3187
744.55491	104.9324	102.9892	94.00084	93.01463	103.3008
745.51936	104.9924	103.0418	94.06497	93.07151	103.3531
746.4838	104.9751	103.0398	94.09751	93.08573	103.3511
747.44825	104.8889	102.9771	94.04797	93.03938	103.2378
748.4127	104.8226	102.9029	93.9812	92.99827	103.1258
749.37715	104.7713	102.8216	93.88663	92.91837	103.032
750.3416	104.7353	102.7842	93.83017	92.8632	103.0139
751.30605	104.7441	102.7969	93.86136	92.88215	103.0764
752.2705	104.8081	102.8543	93.95883	92.9424	103.1468
753.23495	104.9023	102.9749	94.07349	92.98858	103.2609
754.1994	104.9868	103.0929	94.15464	93.04666	103.3861
755.16385	104.9958	103.1424	94.15531	93.09846	103.4264
756.1283	104.9686	103.148	94.13195	93.11679	103.4422
757.09275	104.9654	103.1574	94.09039	93.08853	103.4578
758.0572	104.9625	103.1395	94.03987	93.07209	103.4618
759.02165	105.0181	103.1643	94.0582	93.09699	103.4905

759.9861	105.052	103.2135	94.09202	93.11821	103.5027
760.95055	105.1127	103.3036	94.13881	93.16951	103.5804
761.91499	105.16	103.3284	94.17795	93.18586	103.6552
762.87944	105.2175	103.3565	94.21753	93.20044	103.753
763.84389	105.2099	103.3527	94.20369	93.20871	103.8062
764.80834	105.1297	103.2889	94.15092	93.18924	103.7814
765.77279	105.0847	103.2134	94.10026	93.15099	103.7187
766.73724	105.1064	103.1879	94.10723	93.16513	103.695
767.70169	105.1058	103.1383	94.12593	93.17367	103.6575
768.66614	105.1403	103.1137	94.15068	93.21793	103.6195
769.63059	105.1323	102.9985	94.10667	93.15783	103.4743
770.59504	105.1075	102.8636	94.07625	93.06571	103.3315
771.55949	105.0759	102.7423	94.07297	93.02325	103.198
772.52394	104.9682	102.6274	94.02757	92.96416	103.0603
773.48839	104.8719	102.5319	93.95949	92.86056	102.9624
774.45284	104.8782	102.5102	93.93965	92.79312	102.929
775.41728	104.9374	102.5299	93.93717	92.767	102.9491
776.38174	104.9285	102.5119	93.897	92.71731	102.9439
777.34618	104.8946	102.5319	93.86975	92.7362	102.9818
778.31063	104.9278	102.6117	93.90068	92.8015	103.1099
779.27508	105.0545	102.7409	94.01968	92.90581	103.3052
780.23953	105.1678	102.9118	94.13777	93.02817	103.5064
781.20398	105.2304	103.0692	94.24056	93.1435	103.6986
782.16843	105.3042	103.2135	94.31955	93.26213	103.9124
783.13288	105.4148	103.3962	94.39969	93.35833	104.1641
784.09733	105.4858	103.584	94.47995	93.44697	104.439
785.06178	105.5325	103.7665	94.55968	93.56164	104.6889
786.02623	105.5573	103.8941	94.60243	93.65193	104.8282
786.99068	105.5628	103.9435	94.58941	93.65304	104.8722
787.95513	105.6112	104.0477	94.61644	93.68003	104.9808
788.91958	105.6535	104.1886	94.69552	93.7604	105.078
789.88403	105.7474	104.3904	94.82829	93.90836	105.2372
790.84848	105.8271	104.5121	94.88281	94.00614	105.3735
791.81292	105.9159	104.5822	94.94488	94.09593	105.501
792.77737	105.9712	104.6659	94.99546	94.12238	105.5995
793.74182	105.9889	104.7508	95.01714	94.12673	105.7021
794.70627	105.9576	104.753	94.96598	94.09148	105.7485
795.67072	105.9488	104.7661	94.95504	94.07999	105.7832
796.63517	105.908	104.7387	94.90501	94.06262	105.7789
797.59962	105.9184	104.7963	94.94559	94.10643	105.8047
798.56407	106.013	104.9456	95.08156	94.23102	105.9014
799.52852	106.1092	105.0424	95.20777	94.3686	106.0373
800.49297	106.1291	105.0487	95.24789	94.43625	106.103
801.45742	106.0551	105.0179	95.21404	94.3998	106.0864
802.42187	106.0201	105.0414	95.21469	94.38927	106.0943
803.38632	105.9736	105.0226	95.17808	94.33518	106.0715
804.35077	105.9416	104.9745	95.10702	94.28328	106.049
805.31522	105.937	104.9652	95.06915	94.28774	106.0272
806.27967	105.9034	104.9883	95.06842	94.28041	105.9948
807.24411	105.8683	104.9977	95.05764	94.27423	105.9858
808.20856	105.9153	105.0037	95.06331	94.31088	106.0132
809.17301	105.9701	105.0052	95.08368	94.35417	106.049
810.13746	106.007	105.0316	95.13596	94.42329	106.0785
811.10191	105.9783	105.0309	95.14629	94.4581	106.0809

812.06636	105.9683	105.0135	95.12841	94.45376	106.0993
813.03081	106.0309	105.0555	95.16431	94.48862	106.1694
813.99526	106.0434	105.0633	95.18327	94.48613	106.1654
814.95971	106.051	105.0996	95.22661	94.52661	106.1675
815.92416	106.0244	105.1331	95.23597	94.54207	106.1567
816.88861	106.0605	105.1475	95.27348	94.54731	106.199
817.85306	106.0572	105.1197	95.271	94.51971	106.1663
818.81751	105.991	105.0906	95.22383	94.47464	106.0952
819.78196	105.952	105.1109	95.20988	94.47368	106.0677
820.7464	105.9814	105.1345	95.24994	94.51974	106.0961
821.71086	105.9877	105.099	95.23179	94.53206	106.0665
822.6753	105.978	105.1146	95.25438	94.56264	106.084
823.63975	105.9371	105.1248	95.28079	94.57345	106.1071
824.6042	105.9248	105.0999	95.25421	94.57801	106.1026
825.56865	105.9539	105.0975	95.25566	94.60147	106.0918
826.5331	105.9408	105.0973	95.28985	94.58983	106.0671
827.49755	105.9085	105.0972	95.2729	94.56317	106.0298
828.462	105.9194	105.132	95.28901	94.59233	106.0522
829.42645	106.0036	105.1978	95.35076	94.66718	106.1517
830.3909	106.0133	105.16	95.34868	94.68016	106.1746
831.35535	105.9537	105.1086	95.34506	94.65574	106.1219
832.3198	105.8844	105.1059	95.36071	94.62202	106.1142
833.28425	105.8855	105.1105	95.36762	94.59445	106.1639
834.2487	105.9278	105.1222	95.34897	94.60727	106.2039
835.21315	105.8882	105.1139	95.31213	94.60809	106.2049
836.1776	105.8267	105.0761	95.30021	94.58698	106.1663
837.14204	105.8076	105.083	95.31127	94.6028	106.1599
838.10649	105.8528	105.1513	95.36271	94.64476	106.2218
839.07094	105.8577	105.1569	95.39483	94.64012	106.2062
840.03539	105.7897	105.1426	95.36505	94.62477	106.1347
840.99984	105.7386	105.1312	95.33287	94.60981	106.1065
841.96429	105.7596	105.1453	95.35996	94.63391	106.1785
842.92874	105.7498	105.1074	95.34964	94.60942	106.1991
843.89319	105.7192	105.0653	95.32726	94.56757	106.196
844.85764	105.7018	105.053	95.3325	94.54313	106.2228
845.82209	105.7085	105.0553	95.36359	94.55027	106.2952
846.78654	105.7615	105.088	95.39267	94.59991	106.3884
847.75099	105.7956	105.0879	95.40548	94.64216	106.4182
848.71544	105.7189	105.0123	95.37406	94.58671	106.3599
849.67989	105.6645	104.9663	95.34256	94.52186	106.321
850.64434	105.6865	104.9518	95.35308	94.51754	106.3378
851.60879	105.7303	104.9532	95.39054	94.53804	106.3664
852.57323	105.7336	104.939	95.40834	94.52683	106.3171
853.53768	105.7507	104.935	95.42217	94.53235	106.3021
854.50213	105.7534	104.907	95.41444	94.52177	106.3314
855.46658	105.7374	104.8614	95.37881	94.50712	106.3533
856.43103	105.6839	104.8166	95.34103	94.47102	106.3228
857.39548	105.6094	104.7449	95.28916	94.42439	106.2586
858.35993	105.5602	104.6751	95.24544	94.37094	106.2248
859.32438	105.5704	104.6539	95.23564	94.34745	106.2343
860.28883	105.5723	104.6329	95.21284	94.31417	106.1891
861.25328	105.5057	104.566	95.1786	94.2425	106.0889
862.21773	105.4259	104.448	95.12322	94.17295	105.9834
863.18218	105.4118	104.3679	95.07922	94.12588	105.9549

864.14663	105.4233	104.3195	95.044	94.08801	105.9388
865.11108	105.3675	104.2337	94.98242	94.03622	105.8599
866.07552	105.3023	104.1447	94.92935	93.96882	105.7718
867.03998	105.3065	104.1054	94.92617	93.94499	105.7923
868.00442	105.3188	104.0728	94.91606	93.94277	105.8121
868.96887	105.3094	104.0419	94.90055	93.95441	105.7747
869.93332	105.2454	104.0001	94.85741	93.92486	105.7004
870.89777	105.1947	103.9646	94.80812	93.8723	105.6789
871.86222	105.1687	103.9385	94.7984	93.8136	105.6723
872.82667	105.1329	103.921	94.80599	93.78646	105.6643
873.79112	105.0716	103.8879	94.80244	93.78235	105.6348
874.75557	105.0042	103.8536	94.76642	93.78571	105.6224
875.72002	104.9642	103.8281	94.7168	93.75263	105.6358
876.68447	104.9352	103.8053	94.67512	93.71675	105.6484
877.64892	104.8851	103.7711	94.63563	93.6907	105.601
878.61337	104.7992	103.6826	94.56867	93.66192	105.5401
879.57782	104.7257	103.6147	94.5106	93.62204	105.4995
880.54227	104.7214	103.6328	94.53355	93.60399	105.4956
881.50671	104.6587	103.5958	94.52652	93.56096	105.4696
882.47116	104.5502	103.5216	94.4697	93.52124	105.3913
883.43561	104.4865	103.4729	94.43798	93.49474	105.3308
884.40006	104.5024	103.4614	94.45663	93.49158	105.3491
885.36451	104.4516	103.3982	94.41606	93.45434	105.3007
886.32896	104.3278	103.2976	94.32609	93.38493	105.1878
887.29341	104.1827	103.1493	94.20917	93.27068	105.047
888.25786	104.1089	103.0585	94.13524	93.19063	104.9886
889.22231	104.0463	102.9811	94.07944	93.12533	104.9365
890.18676	103.9407	102.8731	94.03112	93.07032	104.8519
891.15121	103.7782	102.7214	93.93179	92.97356	104.7457
892.11566	103.6619	102.631	93.86971	92.89449	104.6992
893.08011	103.5892	102.5794	93.8498	92.85972	104.7008
894.04456	103.5057	102.5307	93.81495	92.81284	104.6758
895.00901	103.3678	102.4575	93.74315	92.73023	104.5967
895.97345	103.1808	102.3195	93.6402	92.62466	104.5074
896.93791	103.0422	102.1954	93.552	92.5233	104.4436
897.90235	102.9722	102.1271	93.50857	92.45697	104.4119
898.8668	102.8998	102.0722	93.47898	92.41101	104.3672
899.83125	102.7699	101.9924	93.40925	92.35453	104.3184
900.7957	102.6323	101.9115	93.33312	92.28981	104.2877
901.76015	102.4698	101.8233	93.26011	92.20678	104.2371
902.7246	102.2598	101.7036	93.17051	92.10953	104.1504
903.68905	102.1006	101.6015	93.10772	92.02881	104.0836
904.6535	101.9944	101.4843	93.04899	91.93167	104.0256
905.61795	101.866	101.3469	92.97199	91.8401	103.9739
906.5824	101.6765	101.1758	92.85938	91.73559	103.8984
907.54685	101.4878	101.0082	92.76543	91.64723	103.8029
908.5113	101.2716	100.857	92.67515	91.53198	103.6977
909.47575	101.0559	100.7286	92.57488	91.40071	103.6032
910.4402	100.8289	100.5834	92.45189	91.25904	103.4858
911.40464	100.5833	100.4474	92.34114	91.13434	103.3862
912.3691	100.3116	100.3125	92.19549	90.9865	103.2664
913.33354	100.0841	100.1794	92.05627	90.8292	103.1425
914.29799	99.92031	100.0344	91.94692	90.68734	103.0196
915.26244	99.79571	99.91081	91.86633	90.57576	102.8914

916.22689	99.66894	99.80034	91.79518	90.47621	102.756
917.19134	99.5355	99.70274	91.74132	90.38563	102.6594
918.15579	99.41458	99.60195	91.66657	90.30383	102.5772
919.12024	99.30805	99.49703	91.59265	90.22875	102.4823
920.08469	99.21552	99.3814	91.54602	90.16817	102.3494
921.04914	99.11679	99.28018	91.50681	90.10238	102.2352
922.01359	99.12342	99.23972	91.49109	90.06516	102.1505
922.97804	99.1836	99.22025	91.51625	90.06653	102.1143
923.94249	99.18283	99.16437	91.53636	90.03571	102.0514
924.90694	99.25503	99.15308	91.59955	90.0453	101.9759
925.87139	99.44522	99.20264	91.68556	90.09494	101.9477
926.83583	99.71712	99.27167	91.76572	90.16673	101.9494
927.80028	99.93426	99.31328	91.84185	90.2342	101.9064
928.76473	99.99226	99.27486	91.87104	90.24526	101.8095
929.72918	99.95131	99.18052	91.82554	90.17217	101.6858
930.69363	99.85501	99.05455	91.72256	90.04909	101.5686
931.65808	99.78723	98.90827	91.63271	89.93551	101.4119
932.62253	99.9754	98.8651	91.67842	89.94888	101.2533
933.58698	100.1659	98.83733	91.74729	89.96682	101.1256
934.55143	100.2675	98.77802	91.75235	89.90997	101.0115
935.51588	100.369	98.71704	91.71627	89.83843	100.9042
936.48033	100.4537	98.62794	91.69914	89.80484	100.7693
937.44478	100.497	98.54877	91.70968	89.78602	100.6342
938.40923	100.646	98.54379	91.74868	89.80737	100.5894
939.37368	100.8847	98.54588	91.77118	89.83071	100.5251
940.33813	101.126	98.53539	91.81471	89.84679	100.451
941.30258	101.3002	98.5223	91.86726	89.85875	100.3737
942.26702	101.4125	98.49025	91.91029	89.86285	100.3001
943.23147	101.5571	98.45068	91.94625	89.84551	100.2535
944.19592	101.6811	98.40215	91.9486	89.82105	100.2127
945.16037	101.7881	98.34516	91.94599	89.81639	100.1399
946.12482	101.9257	98.35379	92.0064	89.86891	100.1044
947.08927	102.0276	98.35018	92.03491	89.85932	100.1416
948.05372	102.1375	98.33334	92.03389	89.84856	100.1893
949.01817	102.2389	98.29458	92.05563	89.88159	100.1646
949.98262	102.3135	98.26458	92.11637	89.89765	100.1306
950.94707	102.373	98.29086	92.18712	89.90655	100.1204
951.91152	102.4473	98.31099	92.25167	89.94699	100.154
952.87597	102.5368	98.31334	92.29187	89.99705	100.2024
953.84042	102.5887	98.31074	92.32513	90.03266	100.2052
954.80487	102.6344	98.32522	92.38578	90.08531	100.2329
955.76932	102.7572	98.40203	92.4922	90.19032	100.3899
956.73376	102.8797	98.47839	92.55662	90.24227	100.5123
957.69821	102.9055	98.50723	92.57941	90.24973	100.52
958.66266	102.8906	98.50104	92.62211	90.27199	100.551
959.62711	102.9387	98.5624	92.70607	90.33426	100.6719
960.59156	102.9999	98.61472	92.75936	90.35583	100.7247
961.55601	103.0772	98.64361	92.76519	90.39934	100.7179
962.52046	103.1103	98.67045	92.7411	90.45655	100.7118
963.48491	103.1114	98.71695	92.73832	90.48479	100.686
964.44936	103.1435	98.77479	92.73855	90.50465	100.6628
965.41381	103.1861	98.83366	92.74387	90.52075	100.6579
966.37826	103.2131	98.84461	92.75375	90.51513	100.616
967.34271	103.2174	98.86727	92.77948	90.53257	100.5798

968.30716	103.2471	98.94182	92.81499	90.56771	100.5684
969.27161	103.3258	98.98474	92.8162	90.58688	100.5413
970.23606	103.3552	98.95625	92.78992	90.58404	100.4557
971.20051	103.3617	98.94069	92.7756	90.59934	100.4045
972.16495	103.4042	98.95202	92.76651	90.61522	100.4319
973.1294	103.4613	99.00212	92.79352	90.64712	100.471
974.09385	103.5279	99.0581	92.85716	90.6996	100.4586
975.0583	103.5795	99.09043	92.93088	90.7394	100.4809
976.02275	103.6155	99.1127	92.98569	90.77207	100.5413
976.9872	103.684	99.17913	93.02103	90.82771	100.6094
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978.9161	103.8253	99.2853	93.07595	90.9493	100.7268
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980.845	103.8627	99.32695	93.07551	90.9696	100.7288
981.80945	103.9545	99.35535	93.11452	91.0115	100.8152
982.7739	104.0416	99.39871	93.14349	91.08624	100.8903
983.73835	104.0322	99.36519	93.12033	91.09467	100.8464
984.7028	103.9899	99.27495	93.07405	91.03814	100.7955
985.66725	103.9993	99.23334	93.06387	91.00984	100.7785
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987.59614	104.0768	99.24547	93.10983	91.08598	100.7544
988.56059	104.0004	99.15676	93.05854	91.06071	100.6917
989.52504	103.9612	99.13853	93.00152	91.02726	100.6368
990.48949	104.0122	99.15167	93.00498	90.98389	100.642
991.45394	104.0408	99.09226	93.00611	90.92309	100.6068
992.41839	104.0185	99.01155	92.98568	90.88634	100.5385
993.38284	103.9749	98.94869	92.94569	90.88263	100.4772
994.34729	103.9221	98.87654	92.93108	90.85048	100.4067
995.31174	103.8582	98.74767	92.8453	90.73156	100.2792
996.27619	103.8303	98.64246	92.78686	90.6842	100.1666
997.24064	103.821	98.5684	92.7618	90.66311	100.086
998.20509	103.8243	98.52843	92.73217	90.65502	100.0343
999.16954	103.8569	98.50169	92.71098	90.63708	99.97029
1000.13399	103.8491	98.42239	92.68057	90.57425	99.84125
1001.09844	103.8631	98.34008	92.65832	90.57495	99.74243
1002.06289	103.831	98.25191	92.5998	90.55025	99.63948
1003.02733	103.7826	98.19251	92.54165	90.52366	99.52961
1003.99178	103.7603	98.13663	92.49734	90.50892	99.41756
1004.95623	103.7257	98.05093	92.45339	90.45338	99.27641
1005.92068	103.7036	97.95639	92.42633	90.36149	99.1832
1006.88513	103.6795	97.85951	92.38849	90.27062	99.10161
1007.84958	103.66	97.78298	92.36898	90.20998	99.02222
1008.81403	103.5914	97.63151	92.30682	90.11578	98.87406
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1010.74293	103.4076	97.31323	92.08799	90.00312	98.63315
1011.70738	103.3375	97.18001	92.03957	89.88142	98.54347
1012.67183	103.2987	97.07607	91.99723	89.83512	98.48581
1013.63628	103.2342	96.94916	91.93728	89.80006	98.42675
1014.60073	103.1082	96.7783	91.82674	89.64171	98.31967
1015.56518	103.015	96.61644	91.70412	89.50197	98.23183
1016.52963	102.9547	96.49588	91.62382	89.44725	98.1342
1017.49408	102.8804	96.36248	91.55677	89.37569	98.00478
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1064.75209	92.85159	87.03026	85.52499	82.66956	90.97646
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1072.46769	88.56108	85.46345	83.57412	80.74165	90.49837
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1139.01469	91.71749	77.20861	80.26458	73.7619	78.45151
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1144.80139	91.676	77.15491	80.3408	73.70221	78.14056
1145.76584	91.86145	77.3843	80.49863	73.91102	78.40574
1146.73029	92.06244	77.66102	80.68394	74.14689	78.72495
1147.69474	92.27899	77.92264	80.86826	74.40727	79.07357
1148.65919	92.5276	78.17124	81.0781	74.68406	79.45264
1149.62364	92.75556	78.4038	81.2637	74.91969	79.80607
1150.58809	92.92	78.60487	81.40877	75.09694	80.12037
1151.55254	93.01872	78.72318	81.4941	75.21571	80.33482
1152.51699	93.07245	78.76456	81.54958	75.29148	80.47303
1153.48143	93.07259	78.73752	81.55303	75.29838	80.50936
1154.44588	93.05341	78.66136	81.50413	75.23865	80.48916
1155.41033	92.94831	78.47222	81.3691	75.06144	80.35815
1156.37478	92.74656	78.17611	81.19919	74.82322	80.12109
1157.33923	92.46784	77.79993	80.96207	74.50089	79.79165
1158.30368	92.14593	77.37165	80.67286	74.11264	79.40957
1159.26813	91.76717	76.85249	80.33513	73.65902	78.89363
1160.23258	91.35831	76.2792	79.99223	73.1668	78.26091
1161.19703	90.91139	75.66249	79.62832	72.64814	77.57239
1162.16148	90.439	75.01887	79.22069	72.09758	76.86827
1163.12593	89.95544	74.35705	78.78515	71.48674	76.11651
1164.09038	89.46536	73.70648	78.35527	70.8857	75.33485
1165.05483	88.95961	73.08041	77.9493	70.3164	74.55281
1166.01928	88.53414	72.54014	77.62823	69.82046	73.87649
1166.98373	88.18145	72.07366	77.34471	69.40197	73.27828
1167.94818	87.84291	71.65518	77.06808	69.02843	72.7351
1168.91262	87.53785	71.28292	76.83158	68.69784	72.24644
1169.87707	87.30067	70.98409	76.67612	68.47334	71.84143
1170.84152	87.12509	70.78052	76.56929	68.28622	71.51858
1171.80597	87.0132	70.67044	76.49839	68.16441	71.29345
1172.77042	86.93441	70.60508	76.46384	68.10004	71.13013
1173.73487	86.83025	70.60385	76.46069	68.06706	71.00749
1174.69932	86.71644	70.66633	76.43031	68.03591	70.95897
1175.66377	86.78901	70.82967	76.50349	68.13825	71.06061

1176.62822	87.02775	71.10057	76.69453	68.3429	71.22094
1177.59267	87.23855	71.38993	76.89638	68.55582	71.40066
1178.55712	87.43554	71.70582	77.10473	68.79197	71.61771
1179.52157	87.6194	72.07333	77.29231	69.05261	71.89082
1180.48602	87.81244	72.45941	77.49131	69.31643	72.18153
1181.45047	88.02408	72.85391	77.70239	69.59346	72.49573
1182.41492	88.23915	73.24659	77.92355	69.88293	72.83327
1183.37937	88.45583	73.6171	78.14178	70.19673	73.21396
1184.34381	88.66543	73.98283	78.35778	70.48777	73.58113
1185.30826	88.8894	74.38492	78.59018	70.79778	73.94892
1186.27271	89.11874	74.8032	78.83972	71.14125	74.31255
1187.23716	89.3829	75.21262	79.0842	71.49115	74.7348
1188.20161	89.61415	75.58025	79.29175	71.8187	75.16951
1189.16606	89.84118	75.9652	79.51285	72.14673	75.59186
1190.13051	90.07211	76.32681	79.74706	72.45271	75.97365
1191.09496	90.32905	76.68817	80.01799	72.79745	76.36708
1192.05941	90.59705	77.05826	80.2815	73.13753	76.78496
1193.02386	90.88117	77.43245	80.50454	73.45507	77.20893
1193.98831	91.17463	77.80166	80.71962	73.76076	77.60735
1194.95276	91.47594	78.16242	80.9612	74.08689	77.99184
1195.91721	91.77294	78.47368	81.19346	74.38514	78.32302
1196.88166	92.07161	78.79446	81.43398	74.69065	78.67365
1197.84611	92.30018	79.06798	81.61348	74.94956	78.97761
1198.81055	92.49905	79.30618	81.78132	75.19445	79.26576
1199.775	92.69109	79.52406	81.96177	75.42927	79.54724
1200.73945	92.82192	79.72724	82.07915	75.60286	79.77755
1201.7039	92.90783	79.91152	82.15344	75.75917	79.98686
1202.66835	93.04989	80.08657	82.26477	75.93109	80.2038
1203.6328	93.27032	80.27794	82.41889	76.09818	80.40675
1204.59725	93.48735	80.48094	82.56938	76.27642	80.64324
1205.5617	93.63095	80.6299	82.65418	76.41803	80.85469
1206.52615	93.75461	80.73653	82.71053	76.54654	81.01858
1207.4906	93.85262	80.79384	82.76205	76.61746	81.12714
1208.45505	93.93996	80.82749	82.81653	76.66134	81.20612
1209.4195	94.0058	80.83629	82.82072	76.67351	81.26059
1210.38395	94.02328	80.78272	82.79088	76.65879	81.2636
1211.3484	94.01842	80.68844	82.77415	76.59776	81.16487
1212.31285	93.97521	80.51612	82.70825	76.48724	80.97575
1213.2773	93.88333	80.22967	82.55813	76.31568	80.71711
1214.24174	93.70826	79.90162	82.35848	76.06952	80.3865
1215.20619	93.49828	79.57031	82.17509	75.8018	80.00947
1216.17064	93.29907	79.24537	82.00778	75.56265	79.6382
1217.13509	93.08433	78.89624	81.80616	75.31511	79.2348
1218.09954	92.90692	78.60361	81.62847	75.09275	78.87856
1219.06399	92.76437	78.33591	81.48106	74.88856	78.57118
1220.02844	92.64792	78.11195	81.39006	74.74177	78.28781
1220.99289	92.53915	77.92805	81.28129	74.60596	78.07366
1221.95734	92.47518	77.79921	81.21226	74.51055	77.95346
1222.92179	92.43454	77.6833	81.14514	74.42299	77.83419
1223.88624	92.4217	77.5789	81.10599	74.36863	77.74066
1224.85069	92.37444	77.44783	81.07326	74.28576	77.60204
1225.81514	92.31902	77.30477	80.9796	74.17758	77.4947
1226.77959	92.23798	77.14318	80.87073	74.0602	77.3336
1227.74403	92.1434	76.94427	80.76466	73.92531	77.10762

1228.70849	92.04953	76.72431	80.66465	73.78224	76.85086
1229.67293	91.93437	76.46778	80.57006	73.61388	76.52451
1230.63738	91.755	76.16569	80.42018	73.36449	76.13808
1231.60183	91.54845	75.85422	80.25741	73.10615	75.73046
1232.56628	91.36352	75.55166	80.10813	72.87183	75.29006
1233.53073	91.16292	75.27597	79.95717	72.62746	74.85182
1234.49518	90.94702	75.00825	79.80672	72.37491	74.43546
1235.45963	90.72586	74.7483	79.65351	72.13913	74.03147
1236.42408	90.53545	74.51027	79.52778	71.93946	73.63894
1237.38853	90.40692	74.34084	79.48508	71.8013	73.31669
1238.35298	90.3077	74.2243	79.43799	71.67836	73.02522
1239.31743	90.24843	74.16056	79.40736	71.61915	72.81717
1240.28188	90.20893	74.09805	79.42151	71.62286	72.6985
1241.24633	90.22333	74.09011	79.47925	71.69163	72.65552
1242.21078	90.3209	74.25178	79.61873	71.80982	72.6952
1243.17523	90.44641	74.48538	79.80143	71.96857	72.79823
1244.13967	90.59356	74.71068	79.97271	72.14848	72.93468
1245.10412	90.77324	74.93205	80.14903	72.3683	73.17671
1246.06857	90.95266	75.15373	80.34673	72.61327	73.43765
1247.03302	91.11797	75.38815	80.52228	72.83783	73.68252
1247.99747	91.26935	75.6128	80.66849	73.02767	73.9065
1248.96192	91.41136	75.81901	80.81723	73.21722	74.13462
1249.92637	91.55347	76.00995	80.99084	73.39851	74.3428
1250.89082	91.721	76.23122	81.19161	73.60449	74.56113
1251.85527	91.8648	76.45315	81.36216	73.78845	74.78043
1252.81972	91.99787	76.67789	81.52837	73.97157	75.02266
1253.78417	92.18511	76.92621	81.76622	74.20721	75.29895
1254.74862	92.43291	77.2417	82.05525	74.50431	75.63106
1255.71307	92.7073	77.60504	82.35959	74.85368	76.01179
1256.67752	93.06013	78.05049	82.71084	75.27945	76.50851
1257.64197	93.46482	78.58126	83.1216	75.76036	77.0928
1258.60642	93.92028	79.20978	83.58004	76.29279	77.78024
1259.57086	94.39001	79.89319	84.11978	76.87357	78.4831
1260.53531	94.88269	80.60505	84.58956	77.47018	79.29543
1261.49976	95.37921	81.31811	84.98518	78.11298	80.26462
1262.46421	95.88774	82.06804	85.45507	78.7788	81.19929
1263.42866	96.43129	82.86464	85.93646	79.41883	82.12092
1264.39311	96.95481	83.67594	86.38486	80.03719	83.0361
1265.35756	97.41533	84.44586	86.78982	80.5948	83.86142
1266.32201	97.85259	85.17297	87.15481	81.11798	84.65465
1267.28646	98.25867	85.85914	87.51565	81.61283	85.41118
1268.25091	98.63673	86.53248	87.87653	82.07497	86.10388
1269.21536	98.97884	87.1364	88.17314	82.47731	86.72289
1270.17981	99.3115	87.72423	88.44938	82.86736	87.3055
1271.14426	99.61219	88.27409	88.77164	83.24185	87.80766
1272.10871	99.88951	88.73197	88.98885	83.5662	88.27682
1273.07316	100.1144	89.05094	89.05852	83.86717	88.8056
1274.03761	100.28	89.35192	89.18641	84.15402	89.21627
1275.00205	100.4262	89.64826	89.30939	84.36431	89.53878
1275.9665	100.5344	89.89042	89.41138	84.54332	89.82493
1276.93095	100.6331	90.05877	89.47385	84.66001	90.07398
1277.8954	100.7203	90.2016	89.51422	84.73901	90.27325
1278.85985	100.7827	90.32162	89.56652	84.79583	90.42748
1279.8243	100.8182	90.41102	89.62205	84.84156	90.50299

1280.78875	100.8348	90.44248	89.62008	84.84403	90.56603
1281.7532	100.861	90.46014	89.61139	84.84894	90.62841
1282.71765	100.8644	90.46036	89.59575	84.84219	90.65806
1283.6821	100.8508	90.49182	89.61274	84.83708	90.65864
1284.64655	100.8793	90.56344	89.64616	84.85143	90.73129
1285.611	100.9569	90.68972	89.71078	84.92136	90.88389
1286.57545	101.0534	90.88333	89.85594	85.0304	90.99204
1287.5399	101.1714	91.10023	90.03449	85.16493	91.1072
1288.50435	101.3475	91.30581	90.14496	85.33017	91.41962
1289.46879	101.5241	91.51698	90.27705	85.56402	91.79589
1290.43324	101.6769	91.75668	90.42655	85.78139	92.10415
1291.39769	101.8589	92.01324	90.57246	86.01701	92.44677
1292.36214	102.0945	92.28725	90.76705	86.29385	92.82638
1293.32659	102.3373	92.58909	90.98094	86.5794	93.20739
1294.29104	102.5486	92.87417	91.15034	86.81521	93.55022
1295.25549	102.7136	93.08774	91.29231	86.98264	93.7904
1296.21994	102.7907	93.15648	91.39265	87.03805	93.84636
1297.18439	102.8319	93.12994	91.40528	87.04591	93.87061
1298.14884	102.8226	93.00087	91.33088	87.00605	93.84299
1299.11329	102.7602	92.82019	91.22573	86.90273	93.65878
1300.07774	102.6449	92.58017	91.10656	86.75447	93.36061
1301.04219	102.504	92.26367	90.97144	86.55267	92.95904
1302.00664	102.352	91.89663	90.79148	86.31964	92.54567
1302.97108	102.2202	91.59753	90.64568	86.12366	92.17713
1303.93554	102.1074	91.36323	90.53316	85.9582	91.81869
1304.89998	102.0136	91.17091	90.48521	85.85705	91.4809
1305.86443	101.9427	91.06097	90.44572	85.78924	91.27482
1306.82888	101.9364	91.09985	90.49746	85.80113	91.20915
1307.79333	101.9873	91.2249	90.61916	85.89088	91.1942
1308.75778	102.1314	91.44056	90.72129	86.05877	91.40519
1309.72223	102.3292	91.77062	90.87568	86.32614	91.83927
1310.68668	102.5718	92.22808	91.12573	86.62864	92.276
1311.65113	102.8556	92.79208	91.54651	86.96174	92.70679
1312.61558	103.1667	93.39884	91.99326	87.29354	93.10842
1313.58003	103.5087	93.90264	92.25365	87.66881	93.80017
1314.54448	103.7804	94.33567	92.46076	88.0699	94.51782
1315.50893	104.0522	94.81335	92.65874	88.42252	95.21692
1316.47338	104.2569	95.31605	92.99529	88.74399	95.62204
1317.43783	104.5836	95.83872	93.30593	89.0288	96.12587
1318.40227	104.8317	96.32118	93.73101	89.39577	96.51685
1319.36672	105.0728	96.71693	93.91836	89.62917	96.90157
1320.33117	105.265	96.90641	93.90052	89.91729	97.56241
1321.29562	105.4374	97.10753	93.93996	90.21236	98.10551
1322.26007	105.6317	97.37022	94.08101	90.49605	98.54238
1323.22452	105.8429	97.65866	94.25134	90.71414	98.88054
1324.18897	106.0484	97.92871	94.39565	90.94066	99.26582
1325.15342	106.2339	98.18425	94.54614	91.16137	99.62342
1326.11787	106.4342	98.45517	94.71904	91.37963	99.95448
1327.08232	106.6186	98.70796	94.85818	91.56578	100.2227
1328.04677	106.7433	98.89894	94.96936	91.72656	100.489
1329.01122	106.8214	99.01098	95.06451	91.83796	100.6914
1329.97567	106.8968	99.09957	95.1598	91.92864	100.8154
1330.94012	106.9495	99.1245	95.16466	91.96756	100.9031
1331.90457	106.9237	99.08878	95.14013	91.97119	100.899

1332.86902	106.851	99.01831	95.04565	91.87234	100.8148
1333.83346	106.7698	98.91711	94.96327	91.79156	100.7125
1334.79791	106.7411	98.82992	94.90529	91.68683	100.6288
1335.76236	106.6455	98.7915	95.07107	91.6033	100.2951
1336.72681	106.6357	98.82012	95.14214	91.34949	99.92265
1337.69126	106.6744	98.88021	95.31939	91.25669	99.81713
1338.65571	106.6036	99.03711	95.76544	91.09488	99.21561
1339.62016	106.4318	99.01612	95.8588	90.79908	98.62547
1340.58461	106.2372	98.57528	95.23616	90.65966	98.74497
1341.54906	106.1804	98.11544	94.55135	90.81823	99.51775
1342.51351	106.0459	97.88291	94.43348	90.99107	99.70177
1343.47796	106.0245	97.80177	94.40194	90.95538	99.66894
1344.44241	105.9688	97.70453	94.35308	90.87848	99.59857
1345.40686	105.9032	97.6094	94.24766	90.7582	99.54466
1346.37131	105.7551	97.4137	94.14216	90.62246	99.38748
1347.33576	105.6256	97.19393	93.99548	90.43415	99.22506
1348.30021	105.4514	96.98213	93.95163	90.25779	98.92602
1349.26465	105.2797	96.75594	93.83767	89.98246	98.53126
1350.2291	105.0511	96.40882	93.55895	89.71706	98.274
1351.19355	104.8118	96.04247	93.33109	89.51018	98.05
1352.158	104.5777	95.7077	93.15926	89.26255	97.71041
1353.12245	104.4108	95.47438	93.03231	89.0212	97.41858
1354.0869	104.2159	95.29495	93.09049	88.81361	96.95568
1355.05135	104.1366	95.08447	92.98427	88.5494	96.56467
1356.0158	104.0692	94.752	92.73573	88.43584	96.53652
1356.98025	103.955	94.54601	92.68612	88.40414	96.40181
1357.9447	103.8497	94.42345	92.66938	88.31319	96.18059
1358.90915	103.9109	94.40415	92.61912	88.2648	96.25406
1359.8736	103.9661	94.5091	92.91992	88.37867	96.23544
1360.83805	104.0877	94.82416	93.36919	88.35985	95.87157
1361.8025	104.3132	95.18745	93.84692	88.3447	95.77192
1362.76695	104.1043	95.20329	94.38649	88.41708	95.05535
1363.7314	104.2091	94.7838	93.54942	88.23985	95.56982
1364.69584	104.2941	94.53766	93.21636	88.74588	96.6552
1365.66029	104.375	94.67526	93.38297	89.18649	97.13084
1366.62474	104.6659	95.09715	93.67829	89.57128	97.75684
1367.58919	105.0453	95.72222	94.35511	90.08602	98.23085
1368.55364	105.5206	96.4163	94.97953	90.52894	98.60106
1369.51809	105.9633	96.81757	94.97471	90.88647	99.49049
1370.48254	106.21	97.14739	95.07558	91.38007	100.2818
1371.44699	106.526	97.7005	95.34938	91.72838	100.7815
1372.41144	106.8742	98.39042	95.94146	92.05642	101.1359
1373.37589	107.1049	99.19524	96.87735	92.2801	100.8053
1374.34034	107.4254	99.91843	97.22954	92.28807	100.7384
1375.30479	107.5483	99.92124	96.71052	92.44869	101.4626
1376.26924	107.531	99.67882	96.16622	92.72913	102.3332
1377.23369	107.4282	99.70298	96.21199	92.9543	102.4878
1378.19814	107.3933	99.78903	96.23587	92.91663	102.393
1379.16259	107.288	99.65115	96.06996	92.86967	102.4121
1380.12703	107.1982	99.40634	95.84517	92.78205	102.3893
1381.09148	107.0655	99.08772	95.61182	92.62309	102.2057
1382.05593	106.7827	98.6651	95.33868	92.29869	101.7125
1383.02038	106.4624	98.15472	95.0212	91.90354	101.1201
1383.98483	106.1762	97.645	94.70661	91.47664	100.5127

1384.94928	106.0888	97.39366	94.62151	91.11174	99.99117
1385.91373	106.1444	97.54604	95.10573	90.90511	99.31937
1386.87818	105.8946	97.62868	95.76706	90.64757	97.9705
1387.84263	105.8202	97.17042	94.96683	90.01602	97.56263
1388.80708	105.8708	96.72187	94.2583	90.08342	98.372
1389.77153	105.755	96.55602	94.27961	90.3644	98.56294
1390.73598	105.7602	96.60921	94.32366	90.3936	98.56223
1391.70043	105.941	96.881	94.3844	90.52256	98.83807
1392.66488	106.3248	97.41601	94.78725	90.80373	99.31223
1393.62933	106.5701	98.16739	95.97305	91.24058	99.13222
1394.59378	106.9685	99.21753	97.04085	91.28069	98.51373
1395.55822	107.428	99.6793	96.79857	91.40602	99.38156
1396.52267	107.6582	99.78259	96.60388	92.01913	100.6795
1397.48712	107.9837	100.2847	97.17269	92.65894	101.3936
1398.45157	108.284	101.0754	98.33607	93.31273	101.4207
1399.41602	108.8493	101.7429	98.47657	93.73903	102.2471
1400.38047	109.2802	101.8959	97.87403	94.27291	103.9489
1401.34492	109.3955	102.1023	97.88269	94.90672	104.8317
1402.30937	109.7257	102.6484	98.09511	95.28935	105.4249
1403.27382	110.1077	103.3243	98.5331	95.66259	105.9683
1404.23827	110.2169	103.9745	99.41798	95.99439	105.6981
1405.20272	110.4357	104.292	99.50733	95.84368	105.5371
1406.16717	110.6402	104.0479	98.80629	95.90462	106.517
1407.13162	110.4597	103.8029	98.6762	96.20514	106.8008
1408.09607	110.3709	103.7167	98.59148	96.14648	106.7686
1409.06051	110.2258	103.5845	98.58947	96.01419	106.4999
1410.02496	110.1666	103.4387	98.52583	95.73309	106.1548
1410.98941	109.9813	103.224	98.50423	95.52934	105.6851
1411.95386	109.8017	102.9546	98.28161	95.16977	105.2054
1412.91831	109.5944	102.4529	97.87323	94.90045	104.9702
1413.88276	109.3591	101.9101	97.54906	94.5768	104.583
1414.84721	109.1284	101.4833	97.50965	94.25838	104.0538
1415.81166	109.0098	101.3396	97.74514	93.90681	103.3772
1416.77611	108.9876	101.4601	98.17069	93.62054	102.6226
1417.74056	109.2805	101.9225	98.74119	93.42902	102.3571
1418.70501	108.7964	102.0728	99.99496	93.69576	101.141
1419.66946	108.7217	101.7427	98.75288	92.76541	100.6148
1420.63391	108.9135	101.1838	97.29585	93.00198	102.637
1421.59836	108.8502	101.065	97.16511	93.55785	103.4188
1422.56281	109.0531	101.5755	97.70009	93.89314	103.6745
1423.52726	109.0395	102.3515	98.72532	94.05601	102.8512
1424.4917	109.3827	102.577	98.18382	93.9242	103.4903
1425.45615	109.4739	102.2902	97.64736	94.35847	104.6427
1426.4206	109.5203	102.3296	97.66965	94.62792	105.0167
1427.38505	109.6427	102.6065	97.86141	94.71215	105.1184
1428.3495	109.8291	103.0587	98.29346	94.81128	105.1399
1429.31395	109.6834	103.3973	99.01882	94.86521	104.4251
1430.2784	109.6556	103.3049	98.62359	94.36174	104.0234
1431.24285	109.6054	102.8152	97.92112	94.30385	104.5919
1432.2073	109.3421	102.561	97.96456	94.42063	104.4401
1433.17175	109.2822	102.4807	97.90471	94.21776	104.1544
1434.1362	109.514	102.5178	97.77362	94.09124	104.3263
1435.10065	109.6468	102.9105	98.49399	94.26344	104.2611
1436.0651	108.8681	103.1722	100.1163	94.49356	102.3963

1437.02955	108.7391	102.8131	98.91733	93.27871	101.6185
1437.994	109.1545	102.2641	97.58137	93.32421	103.3968
1438.95845	108.9371	101.7388	97.33517	93.79044	103.8878
1439.92289	108.7832	101.4662	97.18917	93.8578	103.908
1440.88734	108.6026	101.2086	97.03634	93.74469	103.764
1441.85179	108.4113	100.9369	96.81997	93.51468	103.5137
1442.81624	108.2068	100.6688	96.6017	93.29054	103.24
1443.78069	108.1115	100.5161	96.48268	93.08821	102.9484
1444.74514	108.0806	100.3521	96.42982	92.92206	102.6391
1445.70959	108.1631	100.2993	96.45074	92.70629	102.4204
1446.67404	108.05	100.3273	96.945	92.64871	101.9411
1447.63849	107.5219	100.0712	97.36079	92.21355	100.3623
1448.60294	107.2612	99.2384	96.12512	91.31125	100.1204
1449.56739	106.95	98.53674	95.47244	91.33681	100.6361
1450.53184	106.7507	98.27284	95.44073	91.3297	100.5046
1451.49629	106.5592	98.22465	95.66884	91.1463	99.83939
1452.46074	106.4575	98.05049	95.3693	90.7618	99.48899
1453.42519	106.5889	98.0519	95.347	90.78344	99.83035
1454.38964	106.8239	98.61969	96.28434	90.92523	99.40803
1455.35408	107.2834	99.67074	97.84506	90.96511	98.63403
1456.31853	107.3395	100.1842	99.60143	91.06492	97.00745
1457.28298	107.8737	100.3263	99.57327	89.77494	95.77205
1458.24743	107.1665	99.16532	98.39166	89.4651	95.75495
1459.21188	106.2999	97.30291	96.0357	89.22674	96.40166
1460.17633	105.8341	96.05749	94.55318	89.34122	97.46962
1461.14078	105.5309	95.54756	94.2455	89.6375	97.84697
1462.10523	105.6582	95.6674	94.34647	89.77902	98.0117
1463.06968	106.1337	96.39526	94.93561	90.05019	98.39888
1464.03413	106.1785	97.26668	96.42102	90.60726	97.87319
1464.99858	106.2394	97.83806	96.70493	90.37964	97.04968
1465.96303	106.5782	97.64696	95.43301	90.22726	98.57698
1466.92748	106.5474	97.5523	95.39404	90.93896	99.53318
1467.89193	106.8406	97.9448	95.59256	91.40607	100.1776
1468.85638	107.3121	98.6046	96.01273	91.95713	100.9178
1469.82083	108.1022	99.6208	96.69731	92.43951	101.7482
1470.78527	108.7388	100.9532	98.44446	93.19363	101.911
1471.74972	109.5341	103.0704	101.129	93.55964	100.6881
1472.71417	110.0956	104.1881	101.7585	93.21234	100.2136
1473.67862	110.0149	103.3565	99.83395	93.11916	101.4724
1474.64307	110.1339	102.8969	98.84932	93.5861	103.4427
1475.60752	109.597	102.7948	99.74259	94.40427	103.2052
1476.57197	109.9628	103.2207	99.51917	94.36162	103.5041
1477.53642	110.4118	103.2835	98.79356	94.84052	105.3478
1478.50087	110.5592	103.529	98.97114	95.58642	106.2701
1479.46532	111.0466	104.2265	99.39388	96.066	107.0539
1480.42977	111.3381	105.0634	100.2112	96.59222	107.3353
1481.39422	111.7461	105.9291	100.6434	96.8429	107.7219
1482.35867	112.1953	106.3709	100.4948	97.2781	108.9275
1483.32312	112.4161	106.7419	100.6096	97.80055	109.7712
1484.28757	112.7349	107.2981	100.9315	98.15219	110.4059
1485.25201	113.2221	108.0768	101.5279	98.44198	110.8721
1486.21646	113.5237	109.0406	102.7842	98.89499	110.6437
1487.18091	114.082	110.1125	103.8039	98.94672	110.3959
1488.14536	114.7659	110.6098	103.7673	98.82686	111.204

1489.10981	114.5644	111.0751	105.0555	99.18869	110.2842
1490.07426	114.5041	111.7297	105.9702	98.85843	108.8811
1491.03871	114.486	110.3165	103.571	98.3663	110.3241
1492.00316	114.2141	109.0411	102.0155	98.60574	111.7316
1492.96761	113.9218	108.5139	101.6623	98.86107	112.0191
1493.93206	114.0863	108.6498	101.7132	98.85394	112.0912
1494.89651	114.1414	109.0211	102.6232	99.03818	111.64
1495.86096	113.8695	109.5955	104.2385	99.03382	109.7162
1496.82541	114.7728	109.9527	103.4265	98.07316	110.2858
1497.78986	114.4881	109.3298	103.4314	98.58253	110.711
1498.7543	113.9092	108.9118	103.5947	98.49239	109.4965
1499.71876	113.9332	108.2127	102.0151	97.7769	110.1409
1500.6832	113.4435	107.4085	101.6056	97.9202	110.1659
1501.64765	113.2893	107.1211	101.578	97.79026	109.6704
1502.6121	113.4477	106.8419	101.2387	97.57985	109.7506
1503.57655	113.7854	107.0289	101.4686	97.62691	109.8871
1504.541	114.0255	107.9552	103.1745	98.05564	109.0787
1505.50545	114.4218	110.2943	107.0538	98.33022	106.4887
1506.4699	114.8935	112.2712	110.3912	96.24477	102.0697
1507.43435	114.4166	109.6154	106.6374	94.53153	102.0361
1508.3988	113.7357	107.4454	103.8964	94.78364	103.7594
1509.36325	112.6753	105.6394	102.1485	95.00922	104.3118
1510.3277	112.3789	104.4637	100.5558	94.78537	105.0684
1511.29215	111.8737	103.6466	100.3603	95.09292	105.1264
1512.2566	111.3067	103.1181	100.1804	94.74051	103.9995
1513.22105	111.6658	102.8107	99.28905	94.40467	104.7002
1514.18549	111.5328	102.6131	99.70088	94.75418	104.517
1515.14994	111.8201	103.218	100.5602	94.4731	103.6129
1516.11439	111.7934	103.9256	102.2203	94.45274	102.1928
1517.07884	111.1204	103.7598	102.6677	93.70624	99.75548
1518.04329	111.3021	102.3689	99.69552	92.82664	101.6057
1519.00774	111.2109	101.9477	99.72798	93.51624	102.5479
1519.97219	111.1027	102.835	102.1271	94.13369	101.0937
1520.93664	111.8136	104.9048	104.8364	93.48439	98.47157
1521.90109	111.629	104.0166	103.3328	92.71503	98.28909
1522.86554	111.1633	102.1462	100.5724	92.33233	99.32349
1523.82999	110.8479	101.1559	99.55933	92.46059	100.3165
1524.79444	110.1635	100.9248	100.4396	92.83614	99.15397
1525.75889	110.3211	100.846	99.62969	91.95023	98.55288
1526.72334	110.1537	100.3286	99.1562	91.97665	98.95361
1527.68779	109.5986	99.8307	99.18162	91.93587	98.20886
1528.65224	109.3212	99.19695	98.23619	91.71244	98.36068
1529.61669	109.2913	98.7388	97.42772	91.82782	99.25111
1530.58113	109.1982	98.76677	97.75908	92.15968	99.38174
1531.54558	109.5357	99.50423	98.63007	92.138	98.93726
1532.51003	109.812	100.4654	100.2659	92.50971	98.47997
1533.47448	109.5064	101.0563	101.4865	92.4762	96.71944
1534.43893	109.7277	100.3176	99.10652	91.60029	97.86907
1535.40338	109.3987	99.55661	98.26418	91.98984	98.83387
1536.36783	109.5861	99.67217	98.22147	92.27394	99.4788
1537.33228	110.0187	100.5443	99.56687	92.85932	99.70811
1538.29673	110.3855	102.2847	103.1119	93.82657	98.50514
1539.26118	111.4481	105.5618	108.3745	93.52012	94.9324
1540.22563	112.7285	105.5231	105.3302	91.91003	96.72814

1541.19008	111.7557	104.2349	103.8189	92.61713	97.7703
1542.15453	110.8713	103.459	102.6841	92.48031	97.33943
1543.11898	110.9312	102.8017	101.039	91.97565	98.50756
1544.08343	110.2493	102.0703	101.0293	92.46045	98.72313
1545.04788	109.5165	101.4315	100.5313	92.33235	98.00312
1546.01232	109.8917	100.8571	98.74473	92.23176	99.8516
1546.97677	109.8725	100.5144	98.32606	92.90727	101.163
1547.94122	110.0575	100.8009	98.5963	93.2596	101.7073
1548.90567	110.0346	101.3446	99.80084	93.58778	101.3304
1549.87012	109.8362	101.8443	100.585	93.33216	100.0355
1550.83457	110.3296	101.7844	99.27243	93.00141	101.4082
1551.79902	110.5046	101.8623	99.02214	93.53169	102.5838
1552.76347	110.7262	102.5443	99.84677	93.93568	102.8339
1553.72792	110.4222	103.2343	101.5586	94.32291	101.5303
1554.69237	110.9535	103.6737	101.069	93.3582	101.2335
1555.65682	111.6826	103.7371	100.5291	93.60425	103.2063
1556.62127	111.8939	104.5225	102.3323	94.75576	103.4476
1557.58572	112.5518	107.217	106.952	95.81947	101.4504
1558.55017	115.2601	113.2267	113.2334	94.44016	97.82872
1559.51462	112.8529	109.7946	109.4484	94.11648	97.52125
1560.47906	111.9123	105.6023	102.0882	93.46016	101.7596
1561.44351	111.7911	104.334	100.3386	94.16342	104.5364
1562.40796	111.5702	103.8662	99.97733	94.85424	105.5153
1563.37241	111.7059	104.2012	100.3461	95.30365	105.9885
1564.33686	111.7258	104.8032	101.3909	95.69023	105.5025
1565.30131	112.1408	105.0673	101.1192	95.5476	105.9462
1566.26576	112.3032	104.8175	100.4625	95.84563	107.2152
1567.23021	112.631	105.3177	100.8222	96.3498	108.0021
1568.19466	112.9624	106.4695	102.4233	96.94966	107.8816
1569.15911	112.8759	107.9458	104.8229	97.28246	105.9665
1570.12356	113.3205	107.8093	102.9822	96.44733	107.0817
1571.08801	113.3135	106.8805	101.5597	96.9306	109.0601
1572.05246	113.2164	106.6613	101.4466	97.50248	109.6991
1573.01691	113.4939	107.0589	101.6593	97.78399	110.1688
1573.98136	114.1364	107.9052	102.2673	98.11686	110.7638
1574.94581	114.5222	109.0614	104.1895	98.89503	110.487
1575.91025	114.1994	110.4055	106.6204	99.23483	108.2354
1576.8747	114.7952	110.498	104.5141	98.04215	109.5272
1577.83915	114.6024	109.36	103.0701	98.56027	111.3332
1578.8036	114.429	108.8332	102.5428	99.10915	112.2108
1579.76805	114.5327	108.8494	102.5245	99.50408	112.7523
1580.7325	114.7251	109.0574	102.6431	99.76156	113.1583
1581.69695	114.8703	109.3646	102.7948	99.97186	113.4457
1582.6614	115.026	109.7397	102.9578	100.1816	113.764
1583.62585	115.2377	110.0921	103.1321	100.4236	114.1161
1584.5903	115.555	110.3842	103.3079	100.6941	114.5059
1585.55475	115.76	110.5886	103.4637	100.9092	114.8018
1586.5192	115.8391	110.7929	103.5557	101.055	115.0232
1587.48365	115.8485	110.9636	103.6115	101.144	115.1639
1588.4481	115.8784	111.1564	103.7304	101.1977	115.2585
1589.41254	115.9425	111.4046	103.9439	101.2775	115.256
1590.377	116.1846	111.6588	104.052	101.3581	115.4559
1591.34144	116.3696	111.7513	104.1352	101.5172	115.6649
1592.30589	116.5587	111.8668	104.1371	101.6013	115.9263

1593.27034	116.568	112.0027	104.3148	101.6828	115.9365
1594.23479	116.5135	112.27	104.6195	101.6681	115.6276
1595.19924	116.5369	112.2556	104.5106	101.5889	115.731
1596.16369	116.5653	112.1264	104.4442	101.735	115.9625
1597.12814	116.7096	112.1401	104.4297	101.8921	116.2972
1598.09259	116.7679	112.1434	104.4394	102.027	116.5492
1599.05704	116.7755	112.1965	104.4333	102.0362	116.584
1600.02149	116.7157	112.214	104.497	102.0076	116.4662
1600.98594	116.7417	112.3346	104.6747	101.9707	116.319
1601.95039	116.8609	112.3945	104.8121	101.9534	116.3185
1602.91484	116.9484	112.5417	105.0186	101.9804	116.1427
1603.87929	117.095	112.6092	104.8321	101.9632	116.377
1604.84373	117.0484	112.4023	104.6027	102.0054	116.6389
1605.80818	116.9076	112.3234	104.7481	102.0114	116.4697
1606.77263	116.7715	112.4342	105.043	101.9243	116.0027
1607.73708	116.9099	112.5211	104.958	101.7852	116.1535
1608.70153	116.8289	112.5083	105.2092	101.9186	115.9845
1609.66598	116.9496	112.7265	105.2832	101.7874	115.7902
1610.63043	116.9602	112.4672	104.7204	101.683	116.2014
1611.59488	116.7646	112.1787	104.5353	101.7372	116.2041
1612.55933	116.6445	112.0298	104.463	101.6154	116.0729
1613.52378	116.696	112.0876	104.5639	101.554	116.0389
1614.48823	117.1655	112.6021	105.0725	101.615	116.2192
1615.45268	117.4	113.4199	106.9087	102.226	115.614
1616.41713	117.0106	114.3178	109.2567	102.4433	113.211
1617.38158	117.4411	113.8844	106.7383	100.6963	114.1065
1618.34603	116.9267	112.4064	105.1206	100.8104	115.2434
1619.31048	116.4004	111.5973	104.5986	100.9883	115.2657
1620.27492	116.2785	111.356	104.4176	100.8328	115.1397
1621.23937	116.5528	111.541	104.6351	100.6833	115.0998
1622.20382	116.6947	112.1087	105.9123	100.8675	114.3599
1623.16827	116.3268	112.6062	107.1538	100.616	112.4142
1624.13272	116.3273	111.8082	105.0954	99.44487	113.1814
1625.09717	115.9488	110.7119	103.9504	99.57284	114.1679
1626.06162	115.8018	110.3551	103.9922	99.79489	114.3565
1627.02607	115.5535	110.4335	104.9838	100.022	113.4642
1627.99052	115.5874	110.5651	104.9783	99.41002	112.6588
1628.95497	115.5401	109.8396	103.6688	98.98124	113.3638
1629.91942	115.1148	109.1989	103.1933	99.05116	113.4253
1630.88387	114.9581	108.9314	103.0164	98.89428	113.2174
1631.84832	115.0065	108.7863	102.9942	98.74506	113.0512
1632.81277	115.4165	109.0645	103.2691	98.70583	113.1981
1633.77722	115.8529	109.7553	104.6457	99.13598	113.0308
1634.74167	115.6479	110.8644	107.8204	99.99123	110.7087
1635.70612	116.3671	112.0674	107.7292	98.02215	108.9937
1636.67056	115.9426	110.6571	105.7458	97.72341	110.3064
1637.63501	115.1221	109.2421	104.5551	97.83741	110.2711
1638.59946	114.9198	108.1485	102.9884	97.66546	111.2734
1639.56391	114.4322	107.5355	102.655	97.95739	111.3313
1640.52836	114.3055	107.4688	102.4769	97.88278	111.1625
1641.49281	114.2487	107.4036	102.4734	97.94783	111.0999
1642.45726	114.4068	107.4403	102.5657	98.00599	111.1059
1643.42171	114.8217	107.5695	102.7014	98.14312	111.4313
1644.38616	115.3145	108.154	103.6972	98.52526	111.55

1645.35061	115.3695	109.1856	106.0017	99.07282	110.0126
1646.31506	115.9278	110.7873	107.3397	97.99323	108.1196
1647.27951	115.2097	110.299	107.0459	97.51886	107.324
1648.24396	114.866	109.0024	104.9409	97.22206	108.0705
1649.20841	115.0772	107.9727	103.2272	97.50251	109.8923
1650.17286	115.4394	107.9842	103.3749	98.09007	110.6415
1651.1373	115.8921	108.8509	105.1701	98.86063	110.5468
1652.10175	116.0211	110.3332	109.405	100.1928	108.4792
1653.0662	116.1811	112.3526	113.7938	97.89038	101.9555
1654.03065	115.1211	109.6723	107.1371	95.96873	104.0894
1654.9951	114.8321	107.6739	103.4474	96.48951	107.5681
1655.95955	114.4087	106.6187	102.4164	97.26836	108.9366
1656.924	114.0162	105.9772	102.0432	97.58324	109.0495
1657.88845	113.8557	105.563	101.7039	97.55904	109.0654
1658.8529	113.691	105.2859	101.522	97.54375	108.9897
1659.81735	113.7553	105.3085	101.5755	97.50955	108.9285
1660.7818	114.0947	105.7063	102.1168	97.55062	108.817
1661.74625	114.1312	106.2826	103.3638	97.81791	107.9723
1662.7107	113.8122	106.4363	103.6577	97.47182	106.4382
1663.67515	113.9488	105.6646	101.8783	96.76967	107.3609
1664.6396	113.5218	104.759	101.3123	97.11989	107.8689
1665.60405	113.4206	104.4769	101.1029	97.11084	107.8024
1666.56849	113.6404	104.6382	101.2687	97.04942	107.7259
1667.53294	113.9756	105.2569	102.3622	97.18459	107.2675
1668.49739	113.6922	105.7781	104.4472	97.43946	105.1715
1669.46184	114.1866	105.9045	103.5997	96.11412	104.3706
1670.42629	113.9177	105.1615	102.5083	96.01931	105.2042
1671.39074	113.2026	104.5614	102.1977	96.08774	104.4045
1672.35519	113.2625	104.0431	100.8897	95.67789	105.0107
1673.31964	113.3829	103.8707	100.9454	96.09688	105.8165
1674.28409	112.9278	103.9106	102.5403	96.84044	104.868
1675.24854	112.2379	103.6627	102.8233	96.16766	102.2278
1676.21299	112.6432	103.0084	100.3379	94.88429	103.3463
1677.17744	112.3899	102.3519	99.93597	95.37156	104.0219
1678.14189	112.3106	102.0534	99.89306	95.45115	103.885
1679.10634	112.0838	102.0254	100.5929	95.45959	102.8824
1680.07078	111.8747	102.0482	100.9528	94.92267	101.0917
1681.03523	112.2872	101.9065	100.128	94.32099	101.3394
1681.99968	112.3835	102.0777	100.836	94.74268	101.5347
1682.96413	112.4211	103.3997	103.8497	95.30865	99.54049
1683.92858	111.6164	104.3887	107.5237	94.07609	93.37686
1684.89303	109.9763	99.99973	101.1499	91.09402	92.62234
1685.85748	110.1793	98.46351	98.17692	91.25273	95.7811
1686.82193	109.6405	97.5606	97.90489	91.8284	96.18548
1687.78638	108.9169	96.89937	97.87151	91.61223	94.80546
1688.75083	108.5118	96.33846	97.39655	90.82883	93.56333
1689.71528	107.9078	95.39098	96.84379	90.33106	92.5334
1690.67973	107.4152	94.34646	95.82295	89.65344	91.79878
1691.64418	106.8832	93.43099	95.07404	89.31626	91.46848
1692.60863	106.5337	92.95615	94.91745	89.02719	90.77024
1693.57308	106.5864	92.98579	95.25142	88.67446	90.28211
1694.53753	106.3455	93.22895	97.06442	89.04425	89.38564
1695.50197	105.2358	92.59671	98.68343	88.60562	85.86776
1696.46642	105.6082	92.21642	96.07961	85.87987	84.46502

1697.43087	105.7591	92.09664	95.40191	86.05416	85.71233
1698.39532	105.7558	92.12161	96.03232	86.52332	86.1655
1699.35977	104.9308	92.04884	98.72922	87.49791	84.76492
1700.32422	102.4446	89.2531	96.84219	84.46083	78.2152
1701.28867	102.9521	87.99998	91.69407	82.34969	80.97234
1702.25312	102.7603	87.60074	91.72865	83.1049	82.42771
1703.21757	102.0475	86.9159	92.10295	83.34783	82.13188
1704.18202	101.424	86.3385	92.08805	82.59343	80.56128
1705.14647	100.95	85.7308	91.49817	81.42881	79.52012
1706.11092	99.67284	84.54159	90.91551	80.72794	77.89366
1707.07537	98.72585	82.9451	88.60226	79.15006	76.89956
1708.03982	98.09825	81.79683	87.53208	78.66389	76.97667
1709.00427	97.302	80.85245	87.26974	78.21003	76.13474
1709.96872	96.43713	79.77751	86.6847	77.12742	74.44205
1710.93316	95.65071	78.38469	85.28568	75.68808	73.23831
1711.89761	94.83249	77.25254	84.63325	74.85243	72.43201
1712.86206	94.0544	76.52284	84.61058	73.97999	71.16537
1713.82651	93.17126	75.94375	85.06652	73.03828	69.30447
1714.79096	92.33701	74.87733	84.11725	71.09105	66.75702
1715.75541	92.00258	73.78938	82.9117	69.46905	66.00265
1716.71986	90.99614	72.89064	83.84925	69.4078	64.92874
1717.68431	88.66805	70.80019	82.43218	67.11102	60.90542
1718.64876	86.78813	67.55903	77.10188	63.60322	59.26186
1719.61321	86.04349	65.81478	75.3928	62.94655	59.86821
1720.57766	84.98814	64.23855	74.7151	62.25858	59.2057
1721.54211	83.69038	62.45212	73.54544	60.73256	57.65438
1722.50656	82.06351	60.48968	72.30044	58.96287	55.72335
1723.47101	80.10212	58.21214	70.31611	56.63	53.2873
1724.43546	78.31765	55.88498	68.17814	54.30268	51.34637
1725.39991	76.60942	53.7098	66.67633	52.51458	49.54015
1726.36435	74.9037	51.59008	65.07028	50.51419	47.54345
1727.3288	73.28299	49.64983	63.55628	48.6002	45.61048
1728.29325	71.90277	48.04113	62.69785	47.0181	44.00474
1729.2577	70.40738	46.52531	62.22095	45.74919	42.08302
1730.22215	69.10403	45.05386	59.98098	43.57625	40.13104
1731.1866	68.55419	44.11392	59.20739	42.57547	39.58032
1732.15105	68.34398	43.7018	60.49651	42.65717	39.08527
1733.1155	67.80721	43.21806	61.92348	42.40724	37.52747
1734.07995	67.0855	42.89508	59.38072	41.0421	35.91762
1735.0444	68.04219	43.5255	56.9343	41.08108	38.00093
1736.00885	69.01436	44.09905	58.55627	42.65635	39.8357
1736.9733	70.0091	44.88149	60.06876	44.05591	41.00263
1737.93775	71.72128	46.49055	61.80781	45.46303	42.65935
1738.9022	73.08954	48.11119	64.31215	47.42027	43.974
1739.86665	75.63378	51.21144	65.47322	49.68758	46.60183
1740.8311	78.65083	54.19611	66.77276	52.14408	50.80112
1741.79554	80.82044	56.51116	69.76442	55.10501	53.99967
1742.75999	83.43785	59.84005	72.99805	58.34667	57.073
1743.72444	87.34256	64.70939	75.64853	62.07482	62.13304
1744.68889	90.56701	68.66608	78.18475	65.80272	67.31169
1745.65334	93.51241	72.66783	81.36757	69.63101	71.99694
1746.61779	96.56001	77.18812	84.78986	73.36881	76.45279
1747.58224	99.62859	81.98459	88.26443	77.05417	80.89067
1748.54669	102.5397	86.57349	91.04331	80.51036	85.1539

1749.51114	105.4768	90.65976	92.93199	83.59953	90.28763
1750.47559	106.2232	92.76104	95.22591	86.41838	92.65194
1751.44004	108.0346	96.09962	96.56423	88.81229	95.79032
1752.40449	109.8854	98.32506	96.81224	90.71397	100.113
1753.36894	110.8437	99.76449	97.80673	92.68409	102.6616
1754.33339	112.1204	101.6094	98.80277	94.17129	104.9102
1755.29784	113.0991	103.4603	100.2421	95.60504	106.4869
1756.26229	113.43	104.9704	101.8336	96.71515	106.7373
1757.22673	114.3955	106.4706	102.168	97.12752	108.02
1758.19118	114.931	107.0174	102.0541	97.75654	109.6915
1759.15563	115.5055	107.8589	102.5114	98.66971	110.9628
1760.12008	116.2046	108.9331	103.4243	99.46111	112.0246
1761.08453	116.1574	109.9093	105.2688	100.4353	111.4394
1762.04898	116.6595	110.8274	105.282	100.117	111.6704
1763.01343	117.057	110.7807	104.2821	100.2981	113.4858
1763.97788	116.9306	110.624	104.1832	100.9219	114.1646
1764.94233	117.1553	111.0283	104.3554	101.3122	114.6694
1765.90678	117.7065	111.6237	104.6378	101.5364	115.3179
1766.87123	117.8833	112.1455	105.5016	101.9893	115.3151
1767.83568	117.6523	112.6614	106.3951	102.1394	114.3105
1768.80013	118.6061	113.4135	105.8051	101.6936	115.5392
1769.76458	118.8448	113.5353	106.0876	102.2749	116.4396
1770.72903	119.0167	114.6273	107.9366	103.0182	115.7194
1771.69347	119.2956	116.1792	110.0223	103.1602	114.3989
1772.65792	119.3201	116.3152	109.4372	102.8178	114.5789
1773.62237	119.7053	115.3519	107.1572	102.5065	116.9461
1774.58682	119.1305	114.5853	107.0207	103.1998	117.2234
1775.55127	118.8709	114.5543	107.0678	103.2375	116.8292
1776.51572	119.2238	114.5153	106.462	103.1389	117.6582
1777.48017	119.2571	114.3005	106.3096	103.4348	118.1845
1778.44462	119.418	114.6317	106.6617	103.6037	118.2207
1779.40907	119.4911	115.051	107.2318	103.7211	117.9805
1780.37352	119.2971	115.4494	107.8333	103.8001	117.3689
1781.33797	119.5289	115.4346	107.1767	103.4428	118.031
1782.30242	119.6824	115.1601	106.7638	103.7502	118.8814
1783.26687	119.7735	115.1761	106.9123	104.0416	119.1135
1784.23132	119.4316	115.2624	107.471	104.2643	118.5005
1785.19576	119.5294	115.5237	107.2773	103.9069	118.4787
1786.16022	119.7685	115.4573	106.8656	103.9611	119.249
1787.12466	119.805	115.372	106.8936	104.2134	119.4768
1788.08911	119.9823	115.5642	107.0455	104.3422	119.6386
1789.05356	120.2162	115.9134	107.3048	104.4354	119.8176
1790.01801	120.3119	116.4585	108.1688	104.6874	119.4084
1790.98246	120.7421	117.4486	109.3123	104.6739	118.8823
1791.94691	120.5081	117.8029	110.332	104.8515	118.0848
1792.91136	120.6629	117.8132	109.5515	104.3696	118.3938
1793.87581	120.9691	117.1089	108.0588	104.2482	120.0431
1794.84026	120.4608	116.5443	108.1867	104.7604	119.8126
1795.80471	120.3553	116.7461	108.4613	104.6893	119.3064
1796.76916	120.5901	116.7419	107.9853	104.5643	119.9186
1797.73361	120.8188	116.6805	107.8114	104.8432	120.6738
1798.69806	120.7072	116.9019	108.6867	105.3002	120.1494
1799.66251	121.0776	117.5989	109.19	105.0935	119.8197
1800.62696	121.1247	117.4123	108.6857	104.8385	120.2424

1801.5914	120.6118	117.064	108.6646	105.0026	119.8824
1802.55585	120.5489	117.0023	108.2727	104.8197	120.03
1803.5203	120.6053	116.7274	107.7758	104.9251	120.7723
1804.48475	120.5685	116.6278	107.8	105.202	120.9525
1805.4492	120.7669	116.8473	107.9085	105.2973	121.1278
1806.41365	120.8163	116.9141	108.0184	105.344	121.1334
1807.3781	120.7933	117.0522	108.2253	105.3358	120.8429
1808.34255	121.0459	117.2265	108.1037	105.2118	121.1399
1809.307	121.0356	117.3054	108.4207	105.5038	121.2254
1810.27145	120.9695	117.7204	109.182	105.6584	120.5439
1811.2359	121.2439	117.8998	108.9533	105.3216	120.7562
1812.20035	121.0895	117.4661	108.4822	105.381	121.0828
1813.1648	121.0378	117.2461	108.1856	105.5175	121.4279
1814.12925	120.9552	117.0454	108.0538	105.6096	121.6155
1815.0937	120.9623	117.0465	108.0149	105.5848	121.6825
1816.05815	120.96	117.1017	108.0936	105.6027	121.6225
1817.02259	120.9642	117.2997	108.3089	105.6386	121.385
1817.98704	121.0916	117.3907	108.2546	105.6266	121.574
1818.95149	121.1676	117.3132	108.1684	105.7637	121.8821
1819.91594	121.1723	117.2998	108.1897	105.833	121.9385
1820.88039	121.215	117.4067	108.2593	105.8369	121.9573
1821.84484	121.1863	117.4687	108.3931	105.8579	121.8241
1822.80929	121.4862	117.7648	108.5124	105.8105	121.9728
1823.77374	121.606	117.9455	108.9637	106.0094	121.9529
1824.73819	121.2798	118.3123	110.0066	106.3106	120.805
1825.70264	121.78	118.7227	109.4336	105.6672	121.2366
1826.66709	121.9381	118.2935	108.6605	105.7448	122.3122
1827.63154	122.0058	118.2885	108.9339	106.1042	122.4548
1828.59599	121.9588	118.8374	110.2512	106.4417	121.5564
1829.56044	121.6851	119.5461	111.4829	106.2587	119.959
1830.52489	122.0027	119.265	109.9007	105.4786	121.0716
1831.48934	121.7914	118.2831	108.7489	105.7144	122.1493
1832.45378	121.4697	117.8129	108.6417	106.0518	122.1859
1833.41823	121.4365	117.7379	108.6196	106.0523	122.1687
1834.38268	121.5474	117.7832	108.5598	106.0779	122.3848
1835.34713	121.6357	117.8806	108.6647	106.1621	122.4743
1836.31158	121.5983	118.0531	109.037	106.2683	122.1938
1837.27603	121.6469	118.2449	109.1646	106.1806	122.0083
1838.24048	121.7083	118.1258	108.7854	106.0973	122.4315
1839.20493	121.6121	117.9659	108.6774	106.2142	122.5641
1840.16938	121.7087	118.0134	108.6898	106.2183	122.6481
1841.13383	121.7652	118.1225	108.8912	106.2625	122.5553
1842.09828	122.2414	118.6812	109.3099	106.2763	122.6876
1843.06273	122.1515	119.0215	110.4819	106.7104	122.0001
1844.02718	121.8565	119.7039	111.6318	106.6632	120.4534
1844.99163	122.5404	119.8115	110.1112	105.6125	121.6572
1845.95608	122.3223	118.9113	109.3206	105.9569	122.5629
1846.92052	121.8609	118.4972	109.4317	106.3203	122.2675
1847.88497	121.7639	118.5869	109.4786	106.2128	121.9945
1848.84942	121.8971	118.4188	109.0078	106.1546	122.5984
1849.81387	121.8925	118.2006	108.893	106.4287	122.9595
1850.77832	121.9575	118.1991	108.9025	106.4989	123.06
1851.74277	121.9405	118.1761	108.9216	106.5137	123.013
1852.70722	121.9107	118.1182	108.8515	106.4519	122.9661

1853.67167	121.8737	118.0766	108.8173	106.4388	122.9609
1854.63612	121.8989	118.1112	108.8037	106.4251	123.0034
1855.60057	121.9405	118.1974	108.8609	106.4658	123.0425
1856.56502	122.0119	118.3018	108.9116	106.4812	123.1033
1857.52947	121.9939	118.3628	109.056	106.5584	123.0404
1858.49392	122.034	118.4192	109.1357	106.506	122.9797
1859.45837	122.0779	118.3621	109.074	106.473	123.0971
1860.42281	121.9746	118.2464	109.0335	106.4761	123.0741
1861.38727	121.9317	118.2536	109.0278	106.4485	122.9925
1862.35171	122.0197	118.2704	108.9556	106.4309	123.1176
1863.31616	122.1013	118.3071	108.9927	106.511	123.2143
1864.28061	122.2874	118.4557	109.0726	106.5392	123.3294
1865.24506	122.4467	118.7132	109.4328	106.6459	123.2506
1866.20951	122.6534	119.198	110.0284	106.6681	122.949
1867.17396	122.8529	119.7085	110.6984	106.6965	122.6362
1868.13841	122.7256	119.9836	111.4133	106.7195	121.9308
1869.10286	122.5638	120.0057	111.3647	106.5401	121.6221
1870.06731	122.7158	119.5533	110.1462	106.2424	122.652
1871.03176	122.5073	118.8818	109.4994	106.5006	123.2482
1871.99621	122.3797	118.6091	109.2787	106.683	123.4677
1872.96066	122.2996	118.5222	109.2099	106.7218	123.5164
1873.92511	122.27	118.4959	109.1764	106.6963	123.5065
1874.88956	122.2674	118.4595	109.1759	106.6942	123.5277
1875.854	122.311	118.4734	109.1905	106.7011	123.5483
1876.81846	122.3433	118.5226	109.2164	106.7371	123.5704
1877.7829	122.3432	118.5216	109.2165	106.7247	123.5699
1878.74735	122.2793	118.4825	109.2309	106.7141	123.4943
1879.7118	122.283	118.4994	109.2079	106.6748	123.4849
1880.67625	122.3232	118.5236	109.2225	106.7175	123.5834
1881.6407	122.374	118.5897	109.2552	106.7549	123.6455
1882.60515	122.4446	118.6731	109.3075	106.7864	123.6798
1883.5696	122.4888	118.7433	109.4398	106.8219	123.6042
1884.53405	122.4867	118.7624	109.5423	106.8149	123.5004
1885.4985	122.4909	118.6975	109.4198	106.7675	123.6233
1886.46295	122.5061	118.6468	109.3587	106.8428	123.7756
1887.4274	122.7385	118.8321	109.4599	106.8571	123.9519
1888.39185	122.6151	119.0016	110.0902	107.0727	123.4725
1889.3563	122.4708	119.4319	110.6599	106.9872	122.6255
1890.32075	122.7586	119.4012	109.9158	106.5625	123.298
1891.28519	122.6182	118.8217	109.4611	106.7762	123.754
1892.24964	122.5941	118.6858	109.4371	106.9171	123.8044
1893.21409	122.7024	118.7625	109.5154	106.9167	123.8701
1894.17854	122.637	118.883	109.8818	107.0058	123.5316
1895.14299	122.6348	119.096	110.0658	106.9121	123.2103
1896.10744	122.7416	119.017	109.6544	106.7807	123.6291
1897.07189	122.619	118.7793	109.4664	106.9298	123.8177
1898.03634	122.5979	118.7912	109.4531	106.9843	123.8502
1899.00079	122.5934	118.7654	109.4493	107.0037	123.8712
1899.96524	122.6109	118.7442	109.457	106.9958	123.8836
1900.92969	122.5632	118.7036	109.4841	107.0007	123.8403
1901.89414	122.5677	118.7382	109.508	106.9841	123.8411
1902.85859	122.5807	118.7265	109.5179	106.9899	123.863
1903.82304	122.6538	118.7765	109.5709	106.9969	123.8164
1904.78749	122.7443	118.8523	109.5794	107.0108	123.8638

1905.75194	122.8052	118.9151	109.5829	107.0663	124.0004
1906.71638	122.7507	118.9149	109.7362	107.1178	123.8837
1907.68083	122.7867	119.0811	109.9323	107.035	123.6684
1908.64528	122.8419	119.1521	110.024	106.997	123.6448
1909.60973	122.7617	119.211	110.2452	107.0869	123.3756
1910.57418	122.862	119.1815	109.9617	106.9543	123.6421
1911.53863	122.7794	118.8565	109.6527	107.0601	123.9727
1912.50308	122.7101	118.7527	109.5996	107.1184	123.9952
1913.46753	122.7171	118.7857	109.626	107.1117	123.9964
1914.43198	122.7623	118.8614	109.6412	107.108	124.0185
1915.39643	122.976	119.0609	109.6849	107.1414	124.2054
1916.36088	123.1318	119.2341	110.0064	107.2654	124.2054
1917.32533	122.751	119.3599	110.8198	107.4675	123.1931
1918.28978	122.9519	119.714	110.6473	106.9631	123.0849
1919.25423	123.0996	119.3208	109.8742	106.8606	123.9798
1920.21868	123.0214	119.0408	109.7769	107.1288	124.1927
1921.18313	123.102	119.1697	110.0533	107.2225	124.0971
1922.14757	122.9208	119.4463	110.7456	107.309	123.2868
1923.11202	123.0507	119.7619	110.7226	107.0389	123.1922
1924.07647	123.1422	119.4256	110.0442	107.001	123.9608
1925.04092	122.9815	119.0456	109.7773	107.1875	124.2024
1926.00537	122.8754	118.9186	109.734	107.221	124.163
1926.96982	122.8745	118.8818	109.741	107.2208	124.1909
1927.93427	122.8802	118.8341	109.7429	107.2061	124.1821
1928.89872	122.9315	118.8523	109.7616	107.2202	124.2108
1929.86317	122.9618	118.8973	109.7943	107.2612	124.2336
1930.82762	122.9712	118.9308	109.8071	107.2722	124.2805
1931.79207	122.9681	118.9573	109.8487	107.2729	124.268
1932.75652	122.9825	119.0008	109.8915	107.2526	124.2172
1933.72097	123.0094	119.0029	109.8842	107.2686	124.2649
1934.68542	123.036	118.9918	109.8733	107.3222	124.3721
1935.64987	123.0339	118.9902	109.8986	107.3444	124.3802
1936.61432	123.0631	119.0138	109.9096	107.3225	124.3924
1937.57876	123.0863	119.0083	109.92	107.3139	124.3859
1938.54321	123.1284	119.036	109.9198	107.3217	124.431
1939.50766	123.2209	119.1318	109.9462	107.3536	124.5284
1940.47211	123.4391	119.3427	110.0958	107.3622	124.6613
1941.43656	123.2494	119.4465	110.7481	107.5131	124.005
1942.40101	123.18	119.8301	111.2274	107.3407	123.2416
1943.36546	123.5726	119.8178	110.5002	107.0167	124.1131
1944.32991	123.4079	119.3492	110.2285	107.311	124.5079
1945.29436	123.2541	119.2902	110.3424	107.3923	124.2937
1946.25881	123.2485	119.3181	110.2913	107.3361	124.3208
1947.22326	123.274	119.2437	110.1164	107.3475	124.5327
1948.18771	123.263	119.1778	110.0648	107.4321	124.6394
1949.15216	123.2743	119.1797	110.0722	107.4443	124.6437
1950.11661	123.2696	119.1502	110.0593	107.4403	124.6465
1951.08106	123.2801	119.1375	110.0602	107.4405	124.6614
1952.04551	123.2898	119.1516	110.0768	107.453	124.7026
1953.00995	123.3101	119.1758	110.0846	107.4402	124.7176
1953.9744	123.2862	119.1979	110.1577	107.4516	124.6271
1954.93885	123.2886	119.2737	110.2227	107.4296	124.5453
1955.9033	123.3138	119.2942	110.1723	107.417	124.6679
1956.86775	123.3108	119.2566	110.1391	107.4434	124.729

1957.8322	123.3053	119.2126	110.1188	107.4526	124.7386
1958.79665	123.3213	119.2187	110.1345	107.477	124.7662
1959.7611	123.3491	119.2597	110.1958	107.5197	124.7815
1960.72555	123.3459	119.2697	110.2438	107.5159	124.7159
1961.69	123.3759	119.2811	110.2057	107.474	124.7525
1962.65445	123.3694	119.2531	110.1574	107.4853	124.8042
1963.6189	123.3983	119.2916	110.165	107.5058	124.8635
1964.58335	123.4633	119.372	110.2398	107.5209	124.8931
1965.5478	123.4766	119.496	110.4674	107.5467	124.734
1966.51224	123.3622	119.6091	110.791	107.5411	124.2808
1967.47669	123.4039	119.692	110.7281	107.393	124.247
1968.44114	123.4834	119.509	110.3419	107.3776	124.7355
1969.40559	123.4094	119.3107	110.234	107.5481	124.9027
1970.37004	123.3919	119.2921	110.2276	107.5678	124.8918
1971.33449	123.4014	119.3064	110.2308	107.5898	124.919
1972.29894	123.4198	119.3299	110.239	107.6034	124.9395
1973.26339	123.4146	119.3304	110.2379	107.6007	124.949
1974.22784	123.4117	119.335	110.2348	107.5892	124.9443
1975.19229	123.3884	119.3125	110.2269	107.5802	124.9102
1976.15674	123.3798	119.2947	110.2163	107.57	124.8915
1977.12119	123.3707	119.2632	110.2111	107.5833	124.9151
1978.08564	123.3631	119.2526	110.2008	107.5697	124.9033
1979.05009	123.3466	119.2613	110.1935	107.5595	124.8828
1980.01454	123.35	119.285	110.2139	107.5644	124.8927
1980.97899	123.3608	119.2923	110.2351	107.5872	124.9263
1981.94343	123.3814	119.2973	110.2516	107.6037	124.9385
1982.90788	123.3874	119.2892	110.2654	107.6318	124.9548
1983.87233	123.3762	119.2738	110.2596	107.6252	124.9456
1984.83678	123.382	119.2732	110.2639	107.6375	124.9575
1985.80123	123.4346	119.316	110.2858	107.6374	124.9929
1986.76568	123.4709	119.3647	110.3821	107.6607	124.975
1987.73013	123.4009	119.4449	110.5597	107.6705	124.7132
1988.69458	123.4724	119.5646	110.5219	107.5642	124.7388
1989.65903	123.6562	119.5855	110.4172	107.584	125.1024
1990.62348	123.6041	119.5791	110.7095	107.7725	124.9524
1991.58793	123.4303	119.7563	111.1345	107.7598	124.2634
1992.55238	123.61	119.895	110.8739	107.4768	124.4208
1993.51683	123.6332	119.6013	110.5004	107.5712	124.942
1994.48128	123.549	119.4396	110.432	107.7272	125.0823
1995.44573	123.5314	119.4264	110.4242	107.7431	125.0908
1996.41018	123.556	119.435	110.4219	107.7573	125.0876
1997.37462	123.5772	119.4351	110.441	107.7684	125.0925
1998.33907	123.5783	119.467	110.5088	107.7921	125.0668
1999.30352	123.6171	119.5041	110.5246	107.795	125.1096
2000.26797	123.623	119.4878	110.489	107.8073	125.1555
2001.23242	123.6254	119.4647	110.4747	107.8203	125.1554
2002.19687	123.6486	119.4709	110.494	107.8446	125.1702
2003.16132	123.6713	119.4866	110.5103	107.8491	125.1858
2004.12577	123.6803	119.503	110.5185	107.852	125.1915
2005.09022	123.6836	119.5239	110.525	107.8512	125.2007
2006.05467	123.71	119.5559	110.5612	107.8743	125.2208
2007.01912	123.7607	119.5859	110.6255	107.9021	125.2322
2007.98357	123.798	119.609	110.66	107.9226	125.2621
2008.94802	123.8136	119.6018	110.6521	107.9332	125.3031

2009.91247	123.8235	119.5973	110.6545	107.9562	125.3317
2010.87692	123.8504	119.6055	110.6508	107.9642	125.357
2011.84137	123.883	119.6277	110.6714	107.9886	125.3835
2012.80581	123.9122	119.6514	110.6731	107.9778	125.4075
2013.77026	123.97	119.6969	110.7012	107.9917	125.4469
2014.73471	124.0783	119.7856	110.7605	108.0058	125.5327
2015.69916	124.0436	119.8405	110.9922	108.0799	125.3556
2016.66361	124.0533	119.9838	111.1778	108.0174	125.0914
2017.62806	124.1459	120.0048	111.0544	107.9347	125.2284
2018.59251	124.1164	119.8806	110.9639	108.0069	125.3501
2019.55696	124.1416	119.85	110.8912	108.0451	125.5067
2020.52141	124.1559	119.8303	110.8659	108.1048	125.6108
2021.48586	124.1631	119.8313	110.8785	108.1267	125.6188
2022.45031	124.1427	119.8296	110.9124	108.1298	125.5719
2023.41476	124.1633	119.8567	110.9116	108.1105	125.5955
2024.37921	124.1934	119.8549	110.9071	108.1255	125.6613
2025.34366	124.2327	119.8704	110.9358	108.1494	125.6981
2026.30811	124.2576	119.8869	110.9651	108.1602	125.7013
2027.27256	124.288	119.906	110.9679	108.1654	125.7304
2028.237	124.3065	119.9138	110.9722	108.181	125.7664
2029.20145	124.3335	119.9435	111.004	108.2045	125.8002
2030.1659	124.3478	119.9573	111.0118	108.2183	125.8198
2031.13035	124.3703	119.9736	111.0163	108.2229	125.8154
2032.0948	124.4015	119.9861	111.0401	108.2381	125.8312
2033.05925	124.4312	120.0147	111.077	108.2607	125.8686
2034.0237	124.4311	120.0079	111.0867	108.259	125.8812
2034.98815	124.4435	120.0039	111.0909	108.2669	125.8871
2035.9526	124.4578	120.0107	111.0987	108.2778	125.9023
2036.91705	124.4764	120.0484	111.1319	108.2748	125.9015
2037.8815	124.512	120.0812	111.142	108.2706	125.9235
2038.84595	124.5716	120.1114	111.1419	108.283	125.9714
2039.8104	124.5774	120.1197	111.2114	108.2981	125.929
2040.77485	124.5149	120.1526	111.3354	108.2966	125.7302
2041.7393	124.5713	120.199	111.2887	108.2221	125.7715
2042.70374	124.6027	120.1462	111.2155	108.2789	125.9494
2043.66819	124.6021	120.1336	111.2347	108.3495	125.9638
2044.63264	124.6381	120.1583	111.2376	108.3639	126.0078
2045.59709	124.6462	120.1578	111.2492	108.3803	126.0362
2046.56154	124.6551	120.174	111.2543	108.3847	126.0474
2047.52599	124.6539	120.1654	111.2349	108.382	126.0505
2048.49044	124.6515	120.1567	111.2306	108.389	126.0701
2049.45489	124.6711	120.1622	111.2489	108.3936	126.0937
2050.41934	124.6992	120.1807	111.2648	108.41	126.1125
2051.38379	124.7113	120.185	111.2674	108.4184	126.1112
2052.34824	124.7291	120.2067	111.2854	108.4342	126.1236
2053.31269	124.713	120.2012	111.2889	108.4296	126.119
2054.27714	124.6949	120.1979	111.2884	108.4304	126.1222
2055.24159	124.6987	120.1971	111.2849	108.4265	126.1167
2056.20604	124.7296	120.2242	111.3044	108.4462	126.136
2057.17049	124.7598	120.2574	111.3267	108.4791	126.1772
2058.13493	124.7771	120.2839	111.34	108.5013	126.1999
2059.09938	124.7876	120.2818	111.3563	108.5079	126.1942
2060.06383	124.7889	120.2872	111.3789	108.5182	126.163
2061.02828	124.8337	120.3285	111.3854	108.5416	126.2053

2061.99273	124.8865	120.3709	111.3951	108.5679	126.2809
2062.95718	124.9152	120.4059	111.4315	108.5606	126.298
2063.92163	124.8499	120.4118	111.5504	108.5679	126.1358
2064.88608	124.8278	120.4657	111.6061	108.522	125.9747
2065.85053	124.8885	120.4668	111.5015	108.5069	126.1296
2066.81498	124.8977	120.3989	111.4478	108.585	126.2826
2067.77943	124.9066	120.379	111.4475	108.6267	126.3239
2068.74388	124.9171	120.3843	111.4572	108.6369	126.3271
2069.70833	124.9459	120.4201	111.4831	108.6593	126.3589
2070.67278	124.9503	120.4434	111.4951	108.6673	126.379
2071.63722	124.932	120.4494	111.4769	108.6579	126.371
2072.60167	124.9232	120.4325	111.4706	108.6528	126.3457
2073.56612	124.9391	120.4355	111.4942	108.6679	126.3498
2074.53057	124.9728	120.4595	111.524	108.6841	126.3846
2075.49502	124.9927	120.4644	111.5302	108.7007	126.4218
2076.45947	124.9765	120.4335	111.5176	108.7034	126.4191
2077.42392	124.9795	120.4404	111.5318	108.7134	126.4359
2078.38837	125.0006	120.4766	111.5549	108.7296	126.4524
2079.35282	125.0353	120.5184	111.5758	108.7616	126.4831
2080.31727	125.0347	120.5039	111.5756	108.7612	126.4636
2081.28172	125.0396	120.503	111.5881	108.7698	126.4568
2082.24617	125.0521	120.5148	111.6019	108.7806	126.4786
2083.21062	125.0738	120.5281	111.6033	108.779	126.5056
2084.17507	125.0768	120.5348	111.6033	108.7865	126.5216
2085.13952	125.1021	120.5441	111.6295	108.8116	126.5558
2086.10397	125.1215	120.5483	111.6639	108.8272	126.5687
2087.06842	125.1471	120.5988	111.6925	108.8318	126.5835
2088.03286	125.1825	120.6421	111.7036	108.8266	126.6201
2088.99731	125.1639	120.6392	111.7558	108.8497	126.5627
2089.96176	125.1554	120.654	111.7845	108.8351	126.4786
2090.92621	125.182	120.6431	111.7242	108.8135	126.5669
2091.89066	125.1939	120.6193	111.7217	108.8654	126.6574
2092.85511	125.213	120.6266	111.7394	108.8981	126.6878
2093.81956	125.2195	120.6236	111.7554	108.9083	126.6997
2094.78401	125.2282	120.6385	111.7597	108.9066	126.7134
2095.74846	125.2467	120.6704	111.7739	108.923	126.7327
2096.71291	125.2635	120.7032	111.7994	108.945	126.7588
2097.67736	125.2814	120.7094	111.8121	108.9449	126.7711
2098.64181	125.3072	120.7204	111.8205	108.953	126.8043
2099.60626	125.3097	120.7253	111.8338	108.952	126.8126
2100.57071	125.332	120.7444	111.8514	108.9516	126.8383
2101.53516	125.341	120.7313	111.8558	108.9637	126.8499
2102.49961	125.3543	120.7425	111.8608	108.9814	126.8728
2103.46405	125.3604	120.7657	111.8681	108.9844	126.8975
2104.4285	125.4041	120.8129	111.909	109.0142	126.9514
2105.39295	125.4344	120.8264	111.9339	109.0279	126.9669
2106.3574	125.4374	120.8207	111.9414	109.0313	126.9624
2107.32185	125.4259	120.8203	111.9472	109.0402	126.9571
2108.2863	125.4396	120.8377	111.9535	109.0512	126.9861
2109.25075	125.4696	120.8533	111.9728	109.0616	127.02
2110.2152	125.4904	120.8629	111.9822	109.0651	127.0368
2111.17965	125.4927	120.8574	111.9881	109.0606	127.037
2112.1441	125.5115	120.8733	112.006	109.071	127.0707
2113.10855	125.5447	120.9062	112.0309	109.0966	127.1056

2114.073	125.5568	120.941	112.0618	109.1142	127.0881
2115.03745	125.572	120.9496	112.0754	109.1039	127.0817
2116.0019	125.6077	120.9533	112.0687	109.1103	127.1508
2116.96634	125.6367	120.9755	112.0869	109.1482	127.206
2117.9308	125.6578	121.0117	112.1063	109.1671	127.2351
2118.89524	125.6436	120.9968	112.0999	109.1606	127.2098
2119.85969	125.6428	120.997	112.0929	109.1692	127.2014
2120.82414	125.6539	121.0194	112.1148	109.1851	127.2313
2121.78859	125.6666	121.0363	112.1378	109.1899	127.2527
2122.75304	125.7025	121.0489	112.1597	109.2124	127.2661
2123.71749	125.739	121.0773	112.1837	109.2388	127.3042
2124.68194	125.7607	121.1012	112.2123	109.2626	127.334
2125.64639	125.7815	121.1243	112.2324	109.2884	127.3596
2126.61084	125.7803	121.1191	112.2202	109.2823	127.3593
2127.57529	125.7813	121.1109	112.1996	109.276	127.3634
2128.53974	125.797	121.1213	112.2183	109.2814	127.3783
2129.50419	125.8222	121.1598	112.2456	109.296	127.4066
2130.46864	125.8476	121.1914	112.2551	109.3143	127.4325
2131.43309	125.8757	121.2082	112.2696	109.327	127.4576
2132.39754	125.8948	121.2132	112.2866	109.3367	127.4744
2133.36198	125.9297	121.2456	112.3182	109.3646	127.5032
2134.32643	125.9561	121.2711	112.3549	109.3891	127.5223
2135.29088	125.9527	121.2719	112.3801	109.3895	127.4964
2136.25533	125.9498	121.2751	112.3734	109.3727	127.4662
2137.21978	125.9755	121.2962	112.3718	109.3983	127.5046
2138.18423	125.986	121.3043	112.395	109.4407	127.5303
2139.14868	125.9908	121.3128	112.3996	109.4436	127.5444
2140.11313	126.02	121.3192	112.403	109.451	127.5736
2141.07758	126.0418	121.325	112.4079	109.4693	127.5887
2142.04203	126.0382	121.3245	112.4017	109.4742	127.5873
2143.00648	126.054	121.3507	112.41	109.475	127.6186
2143.97093	126.0707	121.3757	112.4368	109.4886	127.6394
2144.93538	126.0873	121.3835	112.4512	109.4987	127.6563
2145.89983	126.114	121.4023	112.4707	109.5125	127.6943
2146.86427	126.1475	121.4358	112.4934	109.5384	127.7388
2147.82872	126.1691	121.4555	112.5071	109.5492	127.7459
2148.79317	126.1762	121.4548	112.506	109.5552	127.7317
2149.75762	126.1732	121.4516	112.5145	109.5737	127.7276
2150.72207	126.1735	121.4514	112.521	109.5789	127.7259
2151.68652	126.1781	121.4551	112.5331	109.5816	127.7257
2152.65097	126.183	121.4616	112.5337	109.5862	127.7291
2153.61542	126.1784	121.4579	112.5344	109.595	127.7331
2154.57987	126.1866	121.4769	112.542	109.6125	127.7597
2155.54432	126.2156	121.5002	112.5658	109.6314	127.7847
2156.50877	126.2477	121.5243	112.5891	109.6486	127.8082
2157.47322	126.2455	121.5157	112.5874	109.6429	127.8085
2158.43767	126.252	121.5239	112.5819	109.6475	127.821
2159.40212	126.2718	121.5441	112.5894	109.6535	127.8498
2160.36657	126.2792	121.5588	112.6052	109.6435	127.8615
2161.33102	126.2721	121.5418	112.6017	109.6315	127.8349
2162.29547	126.2969	121.5416	112.5954	109.6403	127.8667
2163.25991	126.3189	121.5587	112.6093	109.6633	127.9086
2164.22436	126.3348	121.5769	112.6236	109.6811	127.9261
2165.18881	126.3462	121.5731	112.6266	109.6923	127.9219

2166.15326	126.3676	121.5712	112.6435	109.7024	127.9237
2167.11771	126.376	121.5849	112.6775	109.7236	127.9373
2168.08216	126.3547	121.5855	112.6901	109.7293	127.9353
2169.04661	126.3402	121.5721	112.6819	109.7253	127.9142
2170.01106	126.3563	121.5728	112.6766	109.7396	127.9197
2170.97551	126.3725	121.5742	112.6918	109.7515	127.9336
2171.93996	126.3649	121.5815	112.6963	109.7455	127.9406
2172.90441	126.3755	121.5903	112.6985	109.7399	127.97
2173.86886	126.4153	121.6108	112.7119	109.7536	128.0146
2174.83331	126.4333	121.6265	112.7308	109.7661	128.0301
2175.79776	126.4411	121.638	112.7367	109.7679	128.0414
2176.76221	126.4561	121.6459	112.737	109.7662	128.0731
2177.72665	126.4837	121.6537	112.7439	109.7753	128.1043
2178.6911	126.5073	121.6493	112.7642	109.7906	128.1178
2179.65555	126.5151	121.6528	112.7764	109.8007	128.1297
2180.62	126.5088	121.6594	112.7881	109.7991	128.1259
2181.58445	126.5259	121.6771	112.8126	109.8057	128.1386
2182.5489	126.5323	121.6644	112.8246	109.8128	128.1467
2183.51335	126.5378	121.6559	112.8341	109.8258	128.1477
2184.4778	126.5498	121.6794	112.8567	109.8575	128.1689
2185.44225	126.5655	121.7067	112.8795	109.8862	128.1905
2186.4067	126.5663	121.7102	112.8732	109.8758	128.183
2187.37115	126.582	121.716	112.8699	109.8733	128.1936
2188.3356	126.6075	121.7304	112.9014	109.8992	128.2283
2189.30005	126.6197	121.7473	112.9131	109.8986	128.2502
2190.2645	126.6344	121.7558	112.9157	109.89	128.2768
2191.22895	126.6764	121.7811	112.9337	109.9119	128.3252
2192.19339	126.6849	121.7946	112.942	109.9255	128.3525
2193.15785	126.6881	121.8122	112.9491	109.9294	128.3682
2194.12229	126.6991	121.8163	112.9498	109.9237	128.3714
2195.08674	126.7226	121.8261	112.9593	109.935	128.3873
2196.05119	126.7397	121.8358	112.9881	109.9581	128.3945
2197.01564	126.7493	121.8426	113.007	109.9754	128.407
2197.98009	126.7628	121.8444	113.0204	109.9856	128.4223
2198.94454	126.7604	121.8353	113.0216	109.988	128.4147
2199.90899	126.7533	121.8244	113.0276	109.9949	128.4078
2200.87344	126.7611	121.8381	113.0476	110.0087	128.4197
2201.83789	126.7707	121.8572	113.0625	110.0306	128.4318
2202.80234	126.7735	121.8608	113.0563	110.0287	128.4356
2203.76679	126.7732	121.8538	113.0491	110.0109	128.4429
2204.73124	126.781	121.8667	113.0454	110.0072	128.4542
2205.69569	126.7937	121.895	113.0633	110.025	128.4755
2206.66014	126.8273	121.934	113.089	110.0571	128.523
2207.62459	126.8468	121.9503	113.098	110.0503	128.5485
2208.58903	126.8632	121.9523	113.0995	110.0442	128.5645
2209.55348	126.8603	121.9483	113.0966	110.048	128.5726
2210.51793	126.8712	121.9775	113.1066	110.0622	128.5973
2211.48238	126.8871	121.9831	113.1209	110.0741	128.6101
2212.44683	126.8995	121.9733	113.1278	110.0764	128.6087
2213.41128	126.9155	121.9809	113.1484	110.0953	128.6264
2214.37573	126.9303	121.9947	113.1625	110.1092	128.6335
2215.34018	126.9324	122.0015	113.1766	110.1195	128.6272
2216.30463	126.936	122.0092	113.1769	110.1386	128.6247
2217.26908	126.9382	122.0119	113.1815	110.1524	128.6254

2218.23353	126.9356	122.0176	113.1909	110.1458	128.6243
2219.19798	126.9468	122.0308	113.2092	110.1477	128.6349
2220.16243	126.977	122.0612	113.2371	110.184	128.6743
2221.12688	126.9873	122.0556	113.2517	110.1977	128.688
2222.09132	126.9945	122.062	113.2553	110.1953	128.7101
2223.05577	126.9998	122.0881	113.2611	110.196	128.7374
2224.02022	127.0204	122.1074	113.2607	110.1987	128.7632
2224.98467	127.0698	122.1271	113.2876	110.2247	128.794
2225.94912	127.1093	122.1574	113.304	110.2561	128.8282
2226.91357	127.112	122.1799	113.3122	110.2679	128.8443
2227.87802	127.105	122.1853	113.3135	110.2666	128.8536
2228.84247	127.1143	122.1776	113.3128	110.2601	128.8625
2229.80692	127.1368	122.1878	113.3212	110.2729	128.8735
2230.77137	127.153	122.2096	113.3392	110.2875	128.8844
2231.73582	127.1623	122.2268	113.3489	110.301	128.8961
2232.70027	127.1665	122.2195	113.356	110.314	128.892
2233.66472	127.1821	122.2049	113.3545	110.3166	128.8915
2234.62917	127.1902	122.2136	113.3753	110.3285	128.8988
2235.59362	127.205	122.2476	113.3848	110.344	128.9177
2236.55807	127.2214	122.2633	113.4009	110.3719	128.9474
2237.52252	127.2238	122.2431	113.3971	110.382	128.9599
2238.48697	127.216	122.2389	113.4015	110.3719	128.9592
2239.45141	127.2176	122.2428	113.3836	110.3629	128.9833
2240.41586	127.2348	122.251	113.3836	110.3707	129.0128
2241.38031	127.2504	122.2571	113.367	110.3676	129.04
2242.34476	127.2791	122.2674	113.3836	110.3759	129.0801
2243.30921	127.2894	122.2644	113.3939	110.3919	129.1128
2244.27366	127.2985	122.2733	113.3944	110.3968	129.1275
2245.23811	127.2847	122.2574	113.3775	110.3947	129.1277
2246.20256	127.2891	122.2432	113.3689	110.3786	129.1308
2247.16701	127.2803	122.2116	113.366	110.3717	129.1215
2248.13146	127.2707	122.1888	113.3438	110.3574	129.1268
2249.09591	127.2511	122.1726	113.3336	110.3665	129.1082
2250.06036	127.2449	122.1458	113.3055	110.3511	129.1073
2251.02481	127.2439	122.1319	113.3243	110.3787	129.1155
2251.98926	127.2384	122.1249	113.309	110.3798	129.1258
2252.9537	127.2252	122.0994	113.2958	110.3733	129.1112
2253.91815	127.214	122.051	113.2479	110.3386	129.1237
2254.8826	127.2092	122.0315	113.2448	110.3438	129.1431
2255.84705	127.1875	121.9912	113.2076	110.3249	129.1587
2256.8115	127.1767	121.9693	113.1935	110.3173	129.1668
2257.77595	127.1785	121.9479	113.157	110.2957	129.1913
2258.7404	127.1925	121.9457	113.1608	110.3068	129.2179
2259.70485	127.1824	121.9111	113.1306	110.2974	129.2443
2260.6693	127.1883	121.9063	113.1247	110.3111	129.2725
2261.63375	127.1654	121.8676	113.0741	110.2864	129.2837
2262.5982	127.1654	121.8332	113.069	110.2877	129.288
2263.56265	127.1581	121.7931	113.0656	110.2965	129.2922
2264.5271	127.1667	121.8047	113.087	110.3221	129.3099
2265.49155	127.1648	121.7995	113.0717	110.3181	129.3246
2266.456	127.1668	121.8012	113.0749	110.3294	129.3295
2267.42045	127.1589	121.7687	113.0582	110.3261	129.32
2268.3849	127.1724	121.7745	113.0724	110.3465	129.327
2269.34934	127.1593	121.7579	113.0713	110.345	129.3404

2270.31379	127.1599	121.7583	113.0725	110.346	129.3531
2271.27824	127.1734	121.7542	113.083	110.3542	129.3709
2272.24269	127.2165	121.7908	113.121	110.3845	129.4011
2273.20714	127.2423	121.804	113.1348	110.3945	129.4422
2274.17159	127.2691	121.8313	113.1573	110.3949	129.4674
2275.13604	127.2751	121.8395	113.1541	110.3938	129.4917
2276.10049	127.3146	121.8869	113.1899	110.4256	129.5315
2277.06494	127.3343	121.9042	113.2195	110.4545	129.5454
2278.02939	127.3726	121.9615	113.2576	110.4769	129.5814
2278.99384	127.4007	122.0138	113.3038	110.5015	129.6085
2279.95829	127.4684	122.083	113.3561	110.531	129.629
2280.92274	127.5254	122.1479	113.4443	110.5691	129.6514
2281.88719	127.5919	122.2222	113.5325	110.606	129.6819
2282.85164	127.6635	122.2892	113.5912	110.6353	129.7238
2283.81608	127.6393	122.2382	113.5891	110.658	129.7186
2284.78053	127.5024	122.0326	113.4357	110.5836	129.6691
2285.74498	127.3772	121.8562	113.3045	110.5204	129.6314
2286.70943	127.207	121.6201	113.0955	110.4304	129.5879
2287.67388	127.1198	121.4681	112.9267	110.343	129.6034
2288.63833	126.9346	121.2331	112.7782	110.2723	129.5384
2289.60278	126.8124	121.0362	112.5499	110.1363	129.5193
2290.56723	126.6916	120.8559	112.4414	110.0838	129.4892
2291.53168	126.5313	120.582	112.1514	109.9354	129.4508
2292.49613	126.4187	120.4015	111.9918	109.8343	129.4368
2293.46058	126.1552	120.0595	111.7191	109.705	129.3366
2294.42503	126.0772	119.8961	111.4857	109.552	129.38
2295.38948	125.8538	119.6455	111.3796	109.5333	129.2681
2296.35393	125.6696	119.3364	110.9776	109.2934	129.2451
2297.31838	125.5565	119.1934	110.971	109.3199	129.1921
2298.28282	125.2902	118.8273	110.5695	109.0834	129.0975
2299.24727	125.2361	118.7354	110.506	109.0347	129.1115
2300.21172	124.8033	118.2149	110.1134	108.8765	128.8932
2301.17617	124.8128	118.1296	109.8704	108.7101	129.0074
2302.14062	124.5405	117.8598	109.8719	108.798	128.8261
2303.10507	124.4923	117.68	109.4455	108.49	128.9283
2304.06952	124.2526	117.3974	109.4886	108.5726	128.7554
2305.03397	123.9223	116.8329	108.7266	108.1114	128.7269
2305.99842	123.5145	116.3217	108.5264	108.0464	128.5432
2306.96287	122.9532	115.5117	107.6068	107.544	128.3927
2307.92732	122.7721	115.2315	107.4224	107.4377	128.4029
2308.89177	122.1427	114.3965	106.7194	107.121	128.1362
2309.85622	122.0595	114.1249	106.3458	106.8304	128.2816
2310.82067	121.4621	113.4313	106.0054	106.8003	127.9403
2311.78512	121.4828	113.2946	105.4929	106.3873	128.1957
2312.74957	121.1243	112.9818	105.6703	106.6562	127.8811
2313.71402	121.2066	112.8814	105.1017	106.1699	128.1923
2314.67846	121.0336	112.7759	105.5019	106.5669	127.9968
2315.64291	120.9009	112.4211	104.7442	106.058	128.2063
2316.60736	120.3593	111.8405	104.6773	106.1956	127.8886
2317.57181	119.9083	111.0319	103.5647	105.4974	127.9597
2318.53626	119.2444	110.2805	103.3981	105.5594	127.6147
2319.50071	118.5784	109.2771	102.0919	104.7212	127.6232
2320.46516	117.8877	108.4529	101.8025	104.7012	127.3072
2321.42961	117.3833	107.5867	100.6787	104.0214	127.3732

2322.39406	116.9843	107.1437	100.6784	104.0888	127.1852
2323.35851	116.5125	106.5237	99.83472	103.549	127.1731
2324.32296	116.314	106.3024	99.78431	103.5863	127.1476
2325.28741	116.1598	105.9685	99.30578	103.301	127.2973
2326.25186	115.8712	105.6312	99.23124	103.3533	127.2336
2327.21631	115.3593	104.9319	98.41376	102.9455	127.2225
2328.18075	115.0774	104.6226	98.29111	102.9217	127.1476
2329.1452	114.5122	103.9613	97.57303	102.4989	127.0259
2330.10965	114.1582	103.6478	97.41964	102.3582	126.8602
2331.0741	113.8547	103.2675	97.01071	102.1127	126.8453
2332.03855	113.9123	103.3815	97.14625	102.2288	126.9417
2333.003	114.0637	103.5909	97.19625	102.2936	127.1745
2333.96745	114.3977	103.9984	97.51937	102.5484	127.4659
2334.9319	114.3762	103.9753	97.52949	102.648	127.5745
2335.89635	113.7198	103.2337	97.096	102.4842	127.248
2336.8608	113.4038	102.8089	96.44863	102.078	127.2493
2337.82525	113.7875	103.2817	96.84673	102.2571	127.424
2338.7897	113.5876	103.0572	96.67408	102.189	127.3072
2339.75415	113.1886	102.5868	96.16738	101.9303	127.1909
2340.7186	112.8022	102.0732	95.55366	101.5725	127.0902
2341.68305	112.6546	101.9446	95.41309	101.4431	127.0111
2342.6475	112.5552	101.8908	95.31378	101.3682	126.9387
2343.61195	112.6843	102.1545	95.54779	101.4473	126.81
2344.57639	112.9984	102.667	95.97332	101.6129	126.7161
2345.54084	113.786	103.8469	96.91031	102.0621	126.7427
2346.50529	115.3653	105.9729	98.57631	102.8892	127.0968
2347.46974	117.5416	108.5397	100.5355	103.8733	127.9079
2348.43419	119.2379	110.3659	102.181	104.778	128.6809
2349.39864	118.4929	109.4503	102.1068	105.0179	128.3109
2350.36309	116.6159	107.0512	100.0409	104.0411	127.7731
2351.32754	115.2737	105.3088	98.42803	103.1991	127.4687
2352.29199	113.8987	103.48	96.6158	102.2385	127.2711
2353.25644	112.7301	102.0317	95.35191	101.652	127.0372
2354.22089	111.6119	100.6591	93.9964	100.9467	126.786
2355.18534	110.4731	99.27177	92.70254	100.1743	126.5069
2356.14979	109.1355	97.50464	91.00362	99.23718	126.2261
2357.11424	108.4394	96.63096	90.26482	98.89052	126.0724
2358.07869	107.9929	96.08038	89.59588	98.51141	126.0522
2359.04313	107.8824	96.00725	89.4556	98.39919	126.0701
2360.00758	107.4574	95.44243	88.80851	98.03433	125.9314
2360.97203	107.864	95.86368	89.25939	98.26588	126.0375
2361.93648	108.0416	96.04371	89.41077	98.36516	126.0732
2362.90093	108.226	96.36888	89.72073	98.56123	126.1178
2363.86538	108.5087	96.8265	90.14324	98.72934	126.1555
2364.82983	109.2205	97.88525	91.13531	99.18195	126.2662
2365.79428	109.9333	98.90643	91.9745	99.59335	126.4241
2366.75873	110.8752	100.2147	93.19614	100.1959	126.6048
2367.72318	111.7489	101.3294	94.18603	100.7136	126.7786
2368.68763	112.8166	102.7477	95.4998	101.4424	127.02
2369.65208	113.8769	104.0996	96.72287	102.1324	127.2383
2370.61653	115.0578	105.5914	98.1043	102.8329	127.4505
2371.58098	116.1533	107.0235	99.37169	103.4842	127.6716
2372.54543	117.2797	108.4987	100.7441	104.1858	127.9122
2373.50988	118.3668	109.9117	102.0171	104.8719	128.1362

2374.47432	119.431	111.3234	103.3035	105.5532	128.3904
2375.43877	120.4267	112.6538	104.5001	106.1615	128.6531
2376.40322	121.3877	113.9044	105.6689	106.7588	128.9173
2377.36767	122.2711	115.0344	106.7099	107.2958	129.1396
2378.33212	123.123	116.128	107.7074	107.8199	129.3576
2379.29657	123.9566	117.205	108.6718	108.3323	129.6001
2380.26102	124.8016	118.3035	109.6851	108.8723	129.8675
2381.22547	125.6363	119.394	110.6755	109.4259	130.1383
2382.18992	126.4475	120.4285	111.6554	109.9843	130.4061
2383.15437	127.2063	121.3963	112.5652	110.4919	130.6705
2384.11882	127.8488	122.2421	113.3546	110.9456	130.9057
2385.08327	128.3743	122.9121	113.9951	111.3141	131.096
2386.04772	128.7691	123.4106	114.4891	111.603	131.2397
2387.01217	129.042	123.7728	114.8253	111.8102	131.3359
2387.97662	129.1968	123.9895	115.0405	111.9316	131.3707
2388.94107	129.3162	124.1328	115.1779	112.0038	131.4045
2389.90551	129.3871	124.2026	115.2575	112.06	131.4286
2390.86996	129.4387	124.2504	115.3129	112.0939	131.4475
2391.83441	129.4756	124.2732	115.3389	112.1078	131.4717
2392.79886	129.5015	124.2799	115.3422	112.1117	131.4916
2393.76331	129.5047	124.2543	115.3303	112.1043	131.5074
2394.72776	129.5483	124.2613	115.3411	112.1155	131.5343
2395.69221	129.574	124.2755	115.3419	112.1176	131.5556
2396.65666	129.5813	124.2781	115.3267	112.1079	131.5758
2397.62111	129.5898	124.2739	115.3377	112.1116	131.6014
2398.58556	129.5916	124.2716	115.3364	112.1068	131.6152
2399.55001	129.5982	124.2908	115.3563	112.1205	131.6379
2400.51446	129.6351	124.3308	115.4013	112.1577	131.667
2401.47891	129.6511	124.3257	115.4124	112.1728	131.6716
2402.44336	129.6534	124.3033	115.4057	112.17	131.6528
2403.4078	129.6517	124.2995	115.4195	112.1756	131.6362
2404.37225	129.6639	124.3192	115.4417	112.1969	131.6339
2405.3367	129.6501	124.3162	115.4383	112.1883	131.6146
2406.30115	129.6711	124.3278	115.4417	112.18	131.6062
2407.2656	129.6972	124.3444	115.4555	112.1872	131.6208
2408.23005	129.7201	124.3833	115.4841	112.2155	131.6633
2409.1945	129.7212	124.3943	115.4991	112.2262	131.6897
2410.15895	129.725	124.3835	115.4911	112.2106	131.6883
2411.1234	129.7377	124.3756	115.4861	112.1983	131.7019
2412.08785	129.7741	124.3928	115.4983	112.2092	131.7379
2413.0523	129.8044	124.4086	115.5112	112.2172	131.7747
2414.01675	129.8195	124.4145	115.5062	112.2082	131.8064
2414.9812	129.84	124.4226	115.5104	112.2026	131.8279
2415.94565	129.8994	124.4601	115.5461	112.2348	131.8656
2416.9101	129.9479	124.4891	115.5859	112.2802	131.9102
2417.87455	129.9712	124.4994	115.6115	112.3026	131.9401
2418.839	129.9976	124.5081	115.6442	112.3303	131.9709
2419.80344	130.0349	124.5069	115.6742	112.3536	131.9755
2420.76789	130.0383	124.4899	115.6825	112.3601	131.9555
2421.73234	130.0366	124.4785	115.6871	112.3615	131.9507
2422.69679	130.0388	124.4633	115.6935	112.3727	131.9507
2423.66124	130.0556	124.4671	115.6963	112.3844	131.9426
2424.62569	130.0781	124.4739	115.7191	112.3982	131.941
2425.59014	130.0966	124.4694	115.7315	112.3984	131.9386

2426.55459	130.1141	124.4587	115.738	112.3961	131.9643
2427.51904	130.1583	124.4764	115.7559	112.4149	132.0219
2428.48349	130.187	124.4898	115.7612	112.4433	132.0548
2429.44794	130.2183	124.5128	115.7725	112.4568	132.0903
2430.41239	130.2387	124.5335	115.7895	112.4567	132.1324
2431.37684	130.2631	124.5521	115.7955	112.4651	132.1714
2432.34129	130.2855	124.5636	115.8059	112.4751	132.2105
2433.30573	130.3091	124.5775	115.8266	112.4832	132.2428
2434.27018	130.3274	124.588	115.8375	112.4921	132.2621
2435.23463	130.3575	124.5981	115.8479	112.5064	132.2786
2436.19908	130.3798	124.6039	115.8657	112.5267	132.2929
2437.16353	130.393	124.6161	115.8852	112.549	132.2941
2438.12798	130.4095	124.6546	115.9161	112.5754	132.3017
2439.09243	130.4393	124.6798	115.9484	112.6045	132.3173
2440.05688	130.4319	124.6749	115.9514	112.615	132.3079
2441.02133	130.4307	124.6892	115.9635	112.6227	132.3008
2441.98578	130.4345	124.7096	115.9839	112.6349	132.3104
2442.95023	130.4408	124.7269	116.0004	112.6541	132.3254
2443.91468	130.4507	124.7312	116.0042	112.6605	132.3388
2444.87913	130.4684	124.7463	116.0128	112.6691	132.3695
2445.84358	130.489	124.7612	116.0224	112.6761	132.4008
2446.80803	130.5178	124.7976	116.0329	112.682	132.4329
2447.77248	130.5516	124.8419	116.0431	112.6966	132.4668
2448.73693	130.5791	124.8538	116.0514	112.7029	132.5026
2449.70137	130.595	124.8606	116.072	112.7145	132.5428
2450.66582	130.6231	124.8977	116.0961	112.7355	132.5775
2451.63027	130.6409	124.9283	116.1052	112.7365	132.5949
2452.59472	130.663	124.9485	116.1182	112.7476	132.612
2453.55917	130.6805	124.9576	116.1418	112.7689	132.6246
2454.52362	130.6962	124.9753	116.1596	112.7902	132.6303
2455.48807	130.7203	124.9944	116.1867	112.8267	132.6511
2456.45252	130.748	125.0072	116.2187	112.8563	132.6662
2457.41697	130.7468	124.9955	116.233	112.86	132.6478
2458.38142	130.7457	125.0113	116.2532	112.8704	132.6372
2459.34587	130.7449	125.0251	116.2775	112.8934	132.6524
2460.31032	130.7682	125.0456	116.3018	112.9123	132.6714
2461.27477	130.7755	125.0481	116.3081	112.9129	132.6848
2462.23922	130.7856	125.0642	116.3168	112.9245	132.7055
2463.20367	130.813	125.0886	116.3319	112.9401	132.7472
2464.16811	130.8321	125.1062	116.3403	112.9476	132.7764
2465.13256	130.8652	125.1388	116.3618	112.9617	132.8196
2466.09701	130.908	125.1908	116.3869	112.9784	132.883
2467.06146	130.9327	125.2158	116.4005	112.9962	132.9261
2468.02591	130.9335	125.2128	116.3966	113.0008	132.9398
2468.99036	130.9378	125.2156	116.3985	113.0008	132.9505
2469.95481	130.9839	125.2465	116.4351	113.0246	132.9736
2470.91926	131.0217	125.2804	116.4771	113.0565	133.0114
2471.88371	131.0492	125.3208	116.5095	113.0821	133.0352
2472.84816	131.0528	125.335	116.5303	113.0938	133.0312
2473.81261	131.0597	125.3324	116.5422	113.106	133.0151
2474.77706	131.07	125.3371	116.5557	113.1257	133.0132
2475.74151	131.083	125.3618	116.5745	113.1559	133.0243
2476.70596	131.0859	125.3741	116.593	113.1738	133.0334
2477.67041	131.1011	125.3832	116.6168	113.1864	133.0568

2478.63485	131.1139	125.3838	116.6248	113.197	133.0772
2479.59931	131.1181	125.4004	116.6345	113.2121	133.0964
2480.56375	131.1237	125.4195	116.6539	113.2174	133.1254
2481.5282	131.1408	125.4222	116.6557	113.2089	133.1451
2482.49265	131.1721	125.437	116.6701	113.2221	133.1798
2483.4571	131.2007	125.4576	116.6816	113.2379	133.2277
2484.42155	131.2198	125.4808	116.6912	113.2456	133.262
2485.386	131.2527	125.519	116.7172	113.2591	133.2958
2486.35045	131.2697	125.5292	116.7276	113.2586	133.3158
2487.3149	131.2872	125.532	116.7414	113.264	133.3334
2488.27935	131.3022	125.5493	116.7542	113.2917	133.3531
2489.2438	131.3294	125.5876	116.7732	113.3255	133.3759
2490.20825	131.3487	125.6146	116.795	113.3425	133.3912
2491.1727	131.3489	125.6025	116.801	113.3409	133.3759
2492.13715	131.3438	125.5884	116.8106	113.3561	133.3679
2493.1016	131.3552	125.6024	116.8398	113.3789	133.3776
2494.06605	131.3603	125.6023	116.8554	113.3885	133.3794
2495.03049	131.3752	125.6114	116.8769	113.4058	133.394
2495.99494	131.3837	125.626	116.8946	113.4228	133.4024
2496.95939	131.3946	125.6411	116.9018	113.4327	133.4041
2497.92384	131.4133	125.6522	116.9098	113.4306	133.4223
2498.88829	131.433	125.6584	116.9202	113.43	133.4603
2499.85274	131.4428	125.6725	116.9258	113.4329	133.4866
2500.81719	131.4499	125.6882	116.9213	113.4403	133.5138
2501.78164	131.4843	125.721	116.9372	113.4539	133.5592
2502.74609	131.5152	125.7367	116.9549	113.4563	133.5902
2503.71054	131.5164	125.7355	116.9598	113.4578	133.6046
2504.67499	131.538	125.7517	116.964	113.4665	133.6264
2505.63944	131.5624	125.7774	116.9851	113.4833	133.6572
2506.60389	131.5972	125.7997	117.0092	113.4954	133.687
2507.56834	131.6096	125.7986	117.0184	113.5104	133.7038
2508.53278	131.6231	125.8112	117.0337	113.5351	133.71
2509.49723	131.6466	125.8318	117.0657	113.5579	133.7109
2510.46168	131.6699	125.8461	117.095	113.5773	133.7029
2511.42613	131.678	125.8508	117.115	113.5954	133.6955
2512.39058	131.6849	125.8428	117.1199	113.6146	133.7032
2513.35503	131.6659	125.8211	117.1167	113.6208	133.6922
2514.31948	131.6581	125.8286	117.1276	113.6317	133.6889
2515.28393	131.6713	125.8475	117.1369	113.6274	133.7062
2516.24838	131.6817	125.8525	117.1329	113.6236	133.7207
2517.21283	131.6959	125.8569	117.1342	113.6396	133.7486
2518.17728	131.704	125.878	117.1448	113.638	133.77
2519.14173	131.6993	125.8859	117.1453	113.6227	133.7838
2520.10618	131.7149	125.8865	117.1365	113.6116	133.7994
2521.07063	131.7614	125.9131	117.1701	113.6378	133.8479
2522.03508	131.7898	125.9357	117.2016	113.6602	133.8803
2522.99953	131.8185	125.9679	117.2114	113.6746	133.9131
2523.96398	131.8226	125.9744	117.1854	113.6695	133.9243
2524.92842	131.8216	125.9713	117.2007	113.6734	133.9296
2525.89287	131.839	125.9826	117.2352	113.6879	133.9278
2526.85732	131.8527	125.9944	117.2506	113.7107	133.9237
2527.82177	131.8536	125.9955	117.2508	113.7246	133.9176
2528.78622	131.8478	125.9873	117.2606	113.7309	133.9158
2529.75067	131.8474	125.9777	117.2791	113.7387	133.9105

2530.71512	131.8278	125.9526	117.2741	113.7377	133.8773
2531.67957	131.8302	125.9569	117.2823	113.749	133.874
2532.64402	131.8485	125.9779	117.3013	113.7681	133.8901
2533.60847	131.87	125.9956	117.3091	113.7879	133.91
2534.57292	131.8829	126.0093	117.3147	113.7982	133.939
2535.53737	131.8846	126.0096	117.3122	113.7771	133.9542
2536.50182	131.8846	126.0023	117.301	113.7496	133.9607
2537.46627	131.8917	126.0047	117.2971	113.7465	133.9805
2538.43072	131.9003	126.0064	117.293	113.7417	133.988
2539.39516	131.941	126.0301	117.3176	113.7609	134.0245
2540.35961	131.9903	126.0691	117.3391	113.7951	134.0782
2541.32406	132.0154	126.079	117.3456	113.8091	134.0977
2542.28851	132.0101	126.0615	117.3449	113.8035	134.093
2543.25296	132.0259	126.0703	117.3684	113.818	134.104
2544.21741	132.0502	126.1	117.3962	113.8288	134.1188
2545.18186	132.0681	126.1157	117.4109	113.8379	134.1192
2546.14631	132.0731	126.1069	117.4137	113.8533	134.1179
2547.11076	132.0836	126.1063	117.4261	113.8702	134.1304
2548.07521	132.0792	126.1203	117.449	113.8879	134.1237
2549.03966	132.0889	126.1369	117.4773	113.8983	134.1271
2550.00411	132.0877	126.1259	117.4908	113.9019	134.136
2550.96856	132.1018	126.132	117.5076	113.9195	134.1498
2551.93301	132.1079	126.1352	117.5039	113.9309	134.1595
2552.89746	132.1135	126.1378	117.5	113.9296	134.1501
2553.86191	132.1206	126.1493	117.5107	113.9296	134.1523
2554.82636	132.1505	126.1793	117.524	113.9355	134.1971
2555.7908	132.1803	126.2046	117.5379	113.942	134.2559
2556.75525	132.196	126.2135	117.5491	113.9457	134.278
2557.7197	132.2143	126.2341	117.5529	113.951	134.2991
2558.68415	132.2264	126.2424	117.5554	113.9537	134.3259
2559.6486	132.2542	126.2529	117.5733	113.9639	134.3628
2560.61305	132.283	126.2769	117.5892	113.9872	134.3826
2561.5775	132.3059	126.3147	117.6084	114.0061	134.3819
2562.54195	132.3379	126.3299	117.6343	114.021	134.3963
2563.5064	132.3522	126.3251	117.6511	114.0406	134.4195
2564.47085	132.3475	126.318	117.6633	114.0598	134.4207
2565.4353	132.3321	126.3141	117.6748	114.0606	134.3873
2566.39975	132.3379	126.3213	117.6969	114.0727	134.3871
2567.3642	132.3616	126.3415	117.7275	114.1027	134.4152
2568.32865	132.3747	126.3499	117.7393	114.1086	134.4147
2569.2931	132.3689	126.3479	117.7288	114.1077	134.4065
2570.25754	132.3751	126.3592	117.7337	114.1102	134.4201
2571.22199	132.4045	126.3577	117.7519	114.1102	134.4372
2572.18644	132.4516	126.3803	117.7793	114.1382	134.485
2573.15089	132.4573	126.3866	117.7854	114.1411	134.5164
2574.11534	132.4549	126.3817	117.7784	114.1288	134.5237
2575.07979	132.4665	126.3867	117.7691	114.128	134.5542
2576.04424	132.4949	126.4009	117.7886	114.147	134.5995
2577.00869	132.5419	126.4463	117.838	114.1791	134.6437
2577.97314	132.567	126.4824	117.8597	114.1973	134.66
2578.93759	132.566	126.4753	117.8523	114.1928	134.668
2579.90204	132.5743	126.4692	117.8617	114.2021	134.6794
2580.86649	132.5937	126.5096	117.894	114.2287	134.6955
2581.83094	132.5979	126.5228	117.9034	114.2339	134.6861

2582.79539	132.6122	126.5135	117.9206	114.2474	134.6841
2583.75983	132.6483	126.5321	117.9469	114.2711	134.7109
2584.72428	132.6638	126.5559	117.9668	114.2896	134.7241
2585.68873	132.6823	126.5642	117.9896	114.3065	134.7275
2586.65318	132.6687	126.5474	117.9942	114.3024	134.7213
2587.61763	132.6589	126.5536	117.9959	114.3016	134.7203
2588.58208	132.6947	126.5812	118.0164	114.3286	134.7539
2589.54653	132.7227	126.5996	118.0429	114.356	134.7845
2590.51098	132.7237	126.6023	118.0465	114.3593	134.8003
2591.47543	132.7315	126.6003	118.0314	114.3471	134.8136
2592.43988	132.7404	126.6143	118.0306	114.3545	134.8562
2593.40433	132.7575	126.6355	118.0444	114.3775	134.9077
2594.36878	132.7959	126.6615	118.0706	114.3977	134.9345
2595.33323	132.8195	126.6718	118.0841	114.403	134.9441
2596.29768	132.8238	126.6718	118.0941	114.4019	134.9659
2597.26213	132.8406	126.697	118.1265	114.4244	134.9968
2598.22658	132.8526	126.7328	118.1599	114.4485	135.0093
2599.19103	132.8761	126.7537	118.1785	114.4687	135.0134
2600.15548	132.9	126.7551	118.1959	114.4906	135.0352
2601.11992	132.9225	126.7605	118.2223	114.5233	135.0598
2602.08437	132.9347	126.7729	118.2425	114.5383	135.0667
2603.04882	132.9401	126.7833	118.2553	114.5378	135.0584
2604.01327	132.932	126.7703	118.2492	114.532	135.0403
2604.97772	132.9271	126.7723	118.2449	114.5343	135.0469
2605.94217	132.9325	126.784	118.2513	114.544	135.0591
2606.90662	132.9491	126.7982	118.2601	114.5548	135.0799
2607.87107	132.9571	126.8086	118.2694	114.5564	135.1008
2608.83552	132.9749	126.822	118.2852	114.5713	135.1271
2609.79997	132.9986	126.8451	118.3059	114.591	135.1624
2610.76442	133.0191	126.8639	118.3226	114.5957	135.189
2611.72887	133.0259	126.8715	118.3364	114.5971	135.2048
2612.69332	133.0374	126.8865	118.341	114.6039	135.2199
2613.65777	133.0449	126.8944	118.3325	114.6045	135.2339
2614.62221	133.0478	126.8886	118.3337	114.6018	135.2367
2615.58666	133.057	126.8949	118.3369	114.6036	135.2379
2616.55111	133.096	126.9322	118.3635	114.6419	135.273
2617.51556	133.1171	126.9505	118.3913	114.6685	135.2993
2618.48001	133.1113	126.9386	118.4014	114.6603	135.2841
2619.44446	133.1211	126.9458	118.4201	114.6674	135.29
2620.40891	133.1367	126.9696	118.4384	114.6803	135.294
2621.37336	133.1346	126.972	118.4454	114.6888	135.2855
2622.33781	133.1283	126.9544	118.4423	114.6966	135.28
2623.30226	133.096	126.912	118.4218	114.6892	135.2491
2624.26671	133.0902	126.8898	118.4091	114.6791	135.2351
2625.23116	133.1092	126.9132	118.4204	114.6945	135.2635
2626.19561	133.1291	126.9274	118.4266	114.708	135.2901
2627.16006	133.1476	126.9428	118.4417	114.7195	135.3222
2628.12451	133.158	126.9416	118.4416	114.7161	135.3344
2629.08896	133.1856	126.9687	118.4552	114.7193	135.3687
2630.05341	133.231	127.0086	118.4911	114.7415	135.4277
2631.01785	133.2404	127.012	118.4943	114.7524	135.4387
2631.9823	133.2021	126.992	118.4711	114.7325	135.4076
2632.94675	133.159	126.948	118.418	114.697	135.3722
2633.9112	133.1984	126.9657	118.4431	114.7176	135.4141

2634.87565	133.2433	126.9913	118.4977	114.7405	135.4573
2635.8401	133.2159	126.9618	118.4754	114.728	135.4095
2636.80455	133.1544	126.9085	118.4256	114.6916	135.3367
2637.769	133.1761	126.9212	118.4523	114.701	135.3614
2638.73345	133.2166	126.9518	118.499	114.7411	135.4066
2639.6979	133.229	126.9685	118.5189	114.7523	135.4132
2640.66235	133.2372	127.0052	118.5479	114.7682	135.4179
2641.6268	133.243	127.0117	118.5663	114.7769	135.44
2642.59125	133.2481	126.9982	118.5737	114.7791	135.4529
2643.5557	133.256	126.9908	118.5686	114.7824	135.4654
2644.52015	133.2522	126.9898	118.5577	114.7768	135.4687
2645.48459	133.2491	126.9899	118.5603	114.7648	135.4691
2646.44904	133.255	126.9979	118.5647	114.757	135.4716
2647.41349	133.2662	127.0162	118.5639	114.765	135.4949
2648.37794	133.257	127.0138	118.5571	114.7707	135.5181
2649.34239	133.251	127.0094	118.5637	114.7617	135.5315
2650.30684	133.2535	127.0034	118.5626	114.7431	135.5308
2651.27129	133.2628	127.0114	118.5683	114.7426	135.5458
2652.23574	133.2817	127.0287	118.5873	114.7595	135.5724
2653.20019	133.2902	127.0256	118.5915	114.7636	135.5685
2654.16464	133.279	127.0103	118.5886	114.7618	135.5543
2655.12909	133.2831	127.0043	118.5984	114.7616	135.5575
2656.09354	133.2742	126.9922	118.5942	114.748	135.5456
2657.05799	133.2492	126.9814	118.5865	114.7431	135.5258
2658.02244	133.235	126.985	118.595	114.752	135.523
2658.98689	133.2247	126.9786	118.5922	114.7553	135.5146
2659.95134	133.23	126.9746	118.603	114.7678	135.5302
2660.91578	133.24	126.9756	118.6236	114.7722	135.5552
2661.88023	133.2227	126.9514	118.6122	114.7661	135.5485
2662.84468	133.2241	126.9438	118.5971	114.7664	135.5431
2663.80913	133.2196	126.9493	118.5956	114.7588	135.5438
2664.77358	133.2313	126.9672	118.627	114.7756	135.5719
2665.73803	133.2384	126.9807	118.6409	114.7875	135.6002
2666.70248	133.2357	126.9864	118.6279	114.781	135.6279
2667.66693	133.2257	126.9679	118.6286	114.7791	135.6375
2668.63138	133.2427	126.978	118.6424	114.8017	135.6549
2669.59583	133.2616	127.0045	118.6536	114.8105	135.6667
2670.56028	133.2624	126.9971	118.6454	114.8002	135.6693
2671.52473	133.1986	126.9281	118.5861	114.7564	135.6111
2672.48918	133.1382	126.8686	118.5237	114.719	135.5617
2673.45363	133.1896	126.9281	118.5852	114.7501	135.6299
2674.41808	133.1906	126.9488	118.6248	114.7778	135.639
2675.38253	133.1029	126.8618	118.5657	114.7441	135.5505
2676.34697	133.0527	126.7971	118.5119	114.7046	135.4783
2677.31142	133.079	126.8154	118.5258	114.716	135.489
2678.27587	133.0924	126.8325	118.5347	114.7471	135.5176
2679.24032	133.0356	126.7843	118.5006	114.7341	135.4728
2680.20477	133.0514	126.7852	118.5011	114.7233	135.4734
2681.16922	133.1996	126.9143	118.6325	114.8118	135.6016
2682.13367	133.2956	126.9988	118.7237	114.883	135.69
2683.09812	133.3104	127.0316	118.7447	114.8895	135.7298
2684.06257	133.3284	127.0521	118.7644	114.8891	135.7491
2685.02702	133.3333	127.0441	118.7767	114.8852	135.7568
2685.99147	133.3357	127.0488	118.781	114.8886	135.7734

2686.95592	133.3304	127.0502	118.7697	114.8876	135.7776
2687.92037	133.3292	127.0366	118.7616	114.886	135.7796
2688.88482	133.3471	127.0454	118.7737	114.8878	135.7957
2689.84926	133.3574	127.051	118.7877	114.8953	135.7819
2690.81371	133.3657	127.0621	118.8011	114.9095	135.7806
2691.77816	133.3587	127.0634	118.8086	114.9158	135.7869
2692.74261	133.3701	127.055	118.8094	114.9251	135.7854
2693.70706	133.3961	127.0533	118.8215	114.9453	135.7754
2694.67151	133.4077	127.0566	118.8435	114.954	135.7727
2695.63596	133.4128	127.0464	118.8497	114.9444	135.754
2696.60041	133.4128	127.0377	118.8479	114.9445	135.7397
2697.56486	133.4117	127.0324	118.8483	114.9559	135.733
2698.52931	133.451	127.0642	118.8708	114.9762	135.7618
2699.49376	133.5096	127.1188	118.9081	114.9953	135.7895
2700.45821	133.537	127.1447	118.9321	115.0079	135.7958
2701.42266	133.5591	127.1654	118.9534	115.0352	135.8163
2702.38711	133.5697	127.165	118.9545	115.0544	135.8206
2703.35156	133.6028	127.1729	118.9569	115.0709	135.834
2704.31601	133.6311	127.1847	118.9522	115.0679	135.849
2705.28046	133.672	127.2054	118.9787	115.0816	135.8748
2706.2449	133.7098	127.2049	118.9991	115.0969	135.8962
2707.20935	133.7119	127.1959	119.0044	115.0966	135.8965
2708.1738	133.6748	127.1607	118.9711	115.0786	135.8539
2709.13825	133.7022	127.1687	118.9691	115.0982	135.8625
2710.1027	133.7824	127.2368	119.0393	115.1504	135.9217
2711.06715	133.8327	127.2877	119.103	115.187	135.9421
2712.0316	133.8469	127.2924	119.1067	115.1961	135.9436
2712.99605	133.8349	127.2694	119.0885	115.1887	135.9158
2713.9605	133.8296	127.2528	119.0907	115.1933	135.9082
2714.92495	133.8303	127.2451	119.0924	115.1974	135.9022
2715.8894	133.8499	127.2792	119.1139	115.2108	135.9159
2716.85385	133.8491	127.2839	119.1268	115.2107	135.9239
2717.8183	133.8199	127.2576	119.1163	115.1921	135.9206
2718.78275	133.8241	127.267	119.1193	115.1905	135.9339
2719.74719	133.8204	127.2565	119.1052	115.1887	135.9126
2720.71164	133.7473	127.1486	119.0223	115.1339	135.8055
2721.67609	133.7758	127.1542	119.0287	115.1408	135.8141
2722.64054	133.9072	127.2808	119.1497	115.2267	135.9369
2723.60499	133.8606	127.2367	119.0974	115.2025	135.8917
2724.56944	133.7015	127.0719	118.9397	115.095	135.7452
2725.53389	133.6809	127.0326	118.8943	115.0605	135.7147
2726.49834	133.8767	127.2085	119.0626	115.1618	135.8879
2727.46279	134.0386	127.3687	119.2434	115.2805	136.0524
2728.42724	134.0811	127.4225	119.2975	115.3307	136.1089
2729.39169	134.0782	127.4304	119.2884	115.3241	136.1078
2730.35614	134.0756	127.4174	119.2795	115.3226	136.0892
2731.32059	134.082	127.4044	119.2935	115.3332	136.0882
2732.28504	134.0942	127.3976	119.3146	115.3378	136.0822
2733.24949	134.0873	127.3992	119.3196	115.3348	136.0828
2734.21394	134.0698	127.3941	119.3014	115.3327	136.0667
2735.17839	134.0188	127.3226	119.253	115.2997	136.0035
2736.14283	133.9615	127.2363	119.1776	115.2415	135.9245
2737.10728	134.0385	127.2897	119.2225	115.2691	135.9957
2738.07173	134.1419	127.3848	119.3057	115.3397	136.0919

2739.03618	134.1606	127.4012	119.3194	115.3538	136.1111
2740.00063	134.1632	127.3941	119.3181	115.3478	136.1199
2740.96508	134.1614	127.3853	119.3214	115.3418	136.1201
2741.92953	134.1571	127.3758	119.3344	115.3423	136.1161
2742.89398	134.1433	127.3598	119.3196	115.3344	136.1071
2743.85843	134.1544	127.3754	119.3345	115.343	136.1455
2744.82288	134.1485	127.3721	119.3438	115.3482	136.1511
2745.78733	134.0264	127.2586	119.2404	115.2965	136.0339
2746.75178	133.9383	127.1626	119.1359	115.2324	135.9383
2747.71623	134.0159	127.2198	119.2159	115.2777	135.9989
2748.68068	134.0166	127.2088	119.2244	115.2907	135.9988
2749.64513	134.06	127.2286	119.2326	115.3043	136.0232
2750.60957	134.1857	127.3575	119.3694	115.3779	136.1442
2751.57402	134.2584	127.4447	119.4686	115.4258	136.2204
2752.53847	134.2688	127.4502	119.4894	115.4364	136.2413
2753.50292	134.2532	127.4255	119.4752	115.4333	136.2286
2754.46737	134.2048	127.3805	119.4241	115.4082	136.1927
2755.43182	134.1995	127.3579	119.4049	115.4013	136.1844
2756.39627	134.2571	127.3968	119.4509	115.4286	136.2405
2757.36072	134.2665	127.4116	119.4571	115.443	136.26
2758.32517	134.2596	127.414	119.4472	115.4494	136.2677
2759.28962	134.2868	127.4401	119.4683	115.4583	136.2837
2760.25407	134.2886	127.4496	119.4923	115.4547	136.2854
2761.21852	134.2967	127.4559	119.514	115.4519	136.3036
2762.18297	134.3026	127.4555	119.5282	115.462	136.3008
2763.14742	134.3047	127.4687	119.539	115.4884	136.3095
2764.11187	134.2932	127.463	119.5401	115.4852	136.3047
2765.07631	134.2978	127.4498	119.541	115.4791	136.3035
2766.04076	134.3218	127.4593	119.5566	115.5012	136.3178
2767.00521	134.3216	127.4724	119.5748	115.5212	136.3286
2767.96966	134.3053	127.4578	119.5716	115.5214	136.321
2768.93411	134.3005	127.4367	119.5577	115.5115	136.3152
2769.89856	134.2903	127.451	119.5609	115.502	136.3263
2770.86301	134.2315	127.4128	119.5342	115.5012	136.2778
2771.82746	134.128	127.3076	119.4483	115.4555	136.1804
2772.79191	134.0296	127.1931	119.3615	115.3917	136.0772
2773.75636	133.9061	127.0673	119.2303	115.3038	135.9506
2774.72081	133.9729	127.127	119.2633	115.3191	136.0269
2775.68526	134.1639	127.3331	119.4618	115.4559	136.2413
2776.64971	134.2242	127.4284	119.5527	115.5182	136.317
2777.61416	134.2376	127.4427	119.5754	115.5237	136.3507
2778.57861	134.2632	127.4516	119.5999	115.5395	136.3858
2779.54306	134.2551	127.4413	119.6092	115.5404	136.3728
2780.50751	134.2348	127.429	119.5886	115.5287	136.3519
2781.47195	134.2169	127.422	119.5646	115.5261	136.3437
2782.4364	134.1917	127.4194	119.5608	115.5227	136.3418
2783.40085	134.1403	127.3887	119.5456	115.4928	136.3271
2784.3653	134.1128	127.3432	119.5269	115.4653	136.3178
2785.32975	134.0645	127.2853	119.4988	115.4387	136.2749
2786.2942	133.9367	127.1782	119.4316	115.3887	136.1689
2787.25865	133.7052	126.9633	119.2471	115.2543	135.9464
2788.2231	133.5927	126.8447	119.1193	115.1701	135.8243
2789.18755	133.6858	126.9095	119.1972	115.2289	135.9257
2790.152	133.659	126.8786	119.1943	115.2115	135.91

2791.11645	133.6656	126.8828	119.1916	115.1959	135.9134
2792.0809	133.7918	127.013	119.3212	115.2773	136.0528
2793.04535	133.7598	127.0084	119.3429	115.2751	136.0785
2794.0098	133.5681	126.8587	119.2095	115.1675	135.9397
2794.97424	133.4781	126.7797	119.1245	115.1076	135.8837
2795.93869	133.4268	126.7275	119.1159	115.0877	135.8627
2796.90314	133.2363	126.5451	118.9733	114.9791	135.6898
2797.86759	133.1973	126.4853	118.9038	114.9223	135.6468
2798.83204	133.3382	126.6162	119.0286	115.0012	135.7932
2799.79649	133.3764	126.6812	119.102	115.0475	135.8609
2800.76094	133.3402	126.6663	119.1063	115.0377	135.8498
2801.72539	133.2763	126.6153	119.0846	114.9952	135.8158
2802.68984	133.1813	126.5347	119.0304	114.9399	135.7555
2803.65429	133.0956	126.4662	118.9961	114.8993	135.7101
2804.61874	133.0009	126.3908	118.9538	114.8384	135.6565
2805.58319	132.8961	126.3164	118.8943	114.7719	135.582
2806.54764	132.7781	126.2187	118.819	114.7124	135.5011
2807.51209	132.5827	126.0382	118.6871	114.6097	135.3557
2808.47654	132.3187	125.8008	118.4808	114.452	135.1378
2809.44099	132.2319	125.7017	118.396	114.3667	135.0651
2810.40544	132.2938	125.7378	118.4799	114.398	135.1477
2811.36988	132.259	125.7077	118.487	114.3603	135.1384
2812.33433	132.1774	125.6497	118.4466	114.2961	135.0852
2813.29878	132.085	125.5752	118.4002	114.239	135.029
2814.26323	131.958	125.455	118.3289	114.1488	134.9532
2815.22768	131.8146	125.3199	118.2487	114.0491	134.8533
2816.19213	131.6703	125.183	118.1601	113.9661	134.7561
2817.15658	131.5143	125.0535	118.0641	113.88	134.6576
2818.12103	131.3203	124.8816	117.9511	113.7508	134.5083
2819.08548	131.138	124.7124	117.8412	113.6309	134.3627
2820.04993	130.9994	124.5988	117.7745	113.5495	134.2899
2821.01438	130.8004	124.4562	117.6723	113.4483	134.1889
2821.97883	130.5217	124.2359	117.5084	113.3056	134.0153
2822.94328	130.2517	124.0306	117.3398	113.1571	133.8652
2823.90773	129.9704	123.8372	117.1837	112.996	133.7334
2824.87218	129.6665	123.6468	117.0453	112.8339	133.6127
2825.83662	129.4088	123.4623	116.9079	112.6851	133.4737
2826.80107	129.2008	123.283	116.7828	112.5443	133.3199
2827.76552	128.9858	123.0763	116.6434	112.3945	133.1643
2828.72997	128.7325	122.83	116.4838	112.2139	132.9793
2829.69442	128.3967	122.5331	116.2721	111.9912	132.7617
2830.65887	128.0017	122.1785	116.0041	111.735	132.4641
2831.62332	127.6489	121.8473	115.7667	111.4818	132.1619
2832.58777	127.2306	121.4513	115.5085	111.189	131.8255
2833.55222	126.7249	120.9537	115.1447	110.8468	131.3963
2834.51667	126.3241	120.5356	114.8658	110.541	131.0548
2835.48112	125.8735	120.1101	114.6124	110.2405	130.6948
2836.44557	125.2383	119.5205	114.1888	109.8492	130.1403
2837.41002	124.6289	118.9025	113.7285	109.4206	129.5558
2838.37447	124.2513	118.466	113.4542	109.0977	129.2025
2839.33892	123.9638	118.153	113.32	108.8744	128.9997
2840.30337	123.543	117.7559	113.1152	108.5947	128.6857
2841.26782	123.027	117.2583	112.8118	108.2546	128.263
2842.23226	122.5807	116.7505	112.5189	107.9471	127.8445

2843.19671	122.2153	116.2851	112.2739	107.6827	127.4413
2844.16116	121.7733	115.7642	111.9599	107.3822	126.9864
2845.12561	121.1729	115.1133	111.5189	107.0186	126.4688
2846.09006	120.4586	114.3726	111.014	106.5889	125.9003
2847.05451	119.833	113.7395	110.571	106.2036	125.4262
2848.01896	119.2946	113.2223	110.2729	105.8822	125.0702
2848.98341	118.6158	112.6394	109.9124	105.4882	124.6821
2849.94786	117.7377	111.9642	109.402	104.9624	124.2134
2850.91231	116.8661	111.3428	108.9001	104.4313	123.7534
2851.87676	116.1611	110.8276	108.4886	103.9835	123.3179
2852.84121	115.5329	110.3686	108.1235	103.5764	122.8963
2853.80566	114.9642	109.9488	107.7767	103.1609	122.4902
2854.77011	114.8268	109.7346	107.6225	102.9538	122.1827
2855.73456	115.1215	109.7425	107.6902	102.9657	121.9621
2856.699	115.447	109.7676	107.7981	102.9766	121.7278
2857.66345	115.431	109.6097	107.7185	102.8552	121.3659
2858.6279	115.1124	109.3133	107.4495	102.5979	120.9164
2859.59235	114.8117	109.0405	107.2346	102.3105	120.5909
2860.5568	114.5162	108.7938	107.1063	102.0541	120.3168
2861.52125	114.191	108.5152	106.9167	101.7991	119.9483
2862.4857	114.0632	108.3172	106.7823	101.6214	119.5808
2863.45015	114.1191	108.1887	106.7538	101.529	119.3034
2864.4146	114.0296	107.9774	106.6561	101.3643	119.029
2865.37905	113.7656	107.6731	106.4474	101.1243	118.6777
2866.3435	113.4576	107.3589	106.2416	100.867	118.363
2867.30795	113.0508	107.0169	106.0236	100.5846	118.079
2868.2724	112.5953	106.6703	105.7664	100.3089	117.7969
2869.23685	112.1771	106.3163	105.5115	100.0405	117.4855
2870.20129	111.9979	106.0741	105.3581	99.88262	117.2335
2871.16574	112.2435	106.0483	105.3898	99.92882	117.0737
2872.13019	112.7046	106.1618	105.5336	100.1014	117.0023
2873.09464	113.1312	106.3275	105.7222	100.2681	117.0856
2874.05909	113.5102	106.5456	105.9954	100.4479	117.2972
2875.02354	113.8291	106.7621	106.2607	100.6247	117.4738
2875.98799	114.1007	106.9862	106.4575	100.7966	117.6292
2876.95244	114.3698	107.2178	106.6272	100.9843	117.8077
2877.91689	114.6023	107.4359	106.7811	101.1626	117.9777
2878.88134	114.7998	107.625	106.919	101.3212	118.1624
2879.84579	114.9401	107.7624	107.0104	101.4436	118.3151
2880.81024	115.045	107.8427	107.0652	101.5215	118.4368
2881.77469	115.0898	107.8853	107.0967	101.5717	118.5503
2882.73914	115.0661	107.8712	107.0951	101.5922	118.6113
2883.70359	115.0622	107.8395	107.072	101.5762	118.6107
2884.66804	115.2037	107.8129	107.0817	101.5602	118.5666
2885.63249	115.5214	107.834	107.1762	101.617	118.5345
2886.59693	115.7693	107.8031	107.2387	101.6506	118.4319
2887.56138	115.8402	107.6638	107.2057	101.577	118.2263
2888.52583	115.8726	107.4557	107.1393	101.4506	117.9765
2889.49028	115.9175	107.2219	107.0567	101.3124	117.681
2890.45473	115.8974	106.9148	106.9495	101.1236	117.3023
2891.41918	115.8184	106.5754	106.8125	100.8974	116.914
2892.38363	115.6996	106.2167	106.6303	100.669	116.5139
2893.34808	115.5348	105.8329	106.4319	100.4481	116.07
2894.31253	115.3009	105.4242	106.1664	100.1892	115.5865

2895.27698	115.214	105.1711	105.9943	99.99256	115.2631
2896.24143	115.3073	105.0609	106.0375	99.91724	115.095
2897.20588	115.3618	104.9433	106.0742	99.85081	114.9087
2898.17033	115.3308	104.7568	106.0208	99.74795	114.6899
2899.13478	115.2189	104.5192	105.8965	99.62316	114.4627
2900.09923	115.0773	104.2567	105.7485	99.48628	114.2539
2901.06367	114.9851	104.0653	105.6386	99.39169	114.1013
2902.02812	114.9113	103.9553	105.5456	99.30402	113.9184
2902.99257	114.9059	103.8738	105.477	99.23974	113.7599
2903.95702	115.0048	103.8119	105.4912	99.21082	113.6581
2904.92147	115.0493	103.7101	105.4869	99.14892	113.5116
2905.88592	114.9669	103.5192	105.3598	99.01079	113.263
2906.85037	114.8352	103.264	105.205	98.84357	112.9761
2907.81482	114.7098	102.9629	105.039	98.67531	112.6636
2908.77927	114.6106	102.6572	104.859	98.52348	112.3394
2909.74372	114.5285	102.3358	104.6851	98.36919	111.9902
2910.70817	114.3875	101.9649	104.5146	98.17161	111.6125
2911.67262	114.1519	101.5349	104.2565	97.91966	111.1417
2912.63707	114.0075	101.1633	104.0359	97.72825	110.715
2913.60152	113.9998	100.8814	103.9581	97.61109	110.4137
2914.56597	113.9217	100.5628	103.8591	97.46535	110.0867
2915.53042	113.7484	100.17	103.6588	97.2391	109.6718
2916.49487	113.6081	99.80463	103.4956	97.02596	109.3131
2917.45931	113.5058	99.50425	103.3516	96.82824	108.9911
2918.42376	113.5189	99.31534	103.3199	96.67931	108.7442
2919.38821	113.4981	99.10472	103.2971	96.52835	108.4661
2920.35266	113.3715	98.84685	103.1617	96.33969	108.1565
2921.31711	113.2135	98.59091	103.0138	96.13924	107.8655
2922.28156	113.0314	98.36765	102.8509	95.93038	107.5912
2923.24601	112.8557	98.17399	102.6967	95.72568	107.3221
2924.21046	112.7658	98.03263	102.6064	95.56708	107.1039
2925.17491	112.7358	97.93519	102.5649	95.4545	106.9152
2926.13936	112.6987	97.85924	102.5123	95.36076	106.7198
2927.10381	112.6367	97.75395	102.4144	95.25748	106.5099
2928.06826	112.5795	97.66458	102.2914	95.16184	106.2985
2929.03271	112.6214	97.64406	102.2318	95.07134	106.1182
2929.99716	112.7468	97.71049	102.3325	95.02637	106.0585
2930.96161	112.7795	97.70659	102.4085	94.96018	105.9489
2931.92605	112.7359	97.6472	102.3953	94.86464	105.7826
2932.8905	112.6264	97.55675	102.3309	94.72815	105.5621
2933.85495	112.544	97.46537	102.2801	94.59113	105.3679
2934.8194	112.4426	97.36165	102.2153	94.45055	105.1706
2935.78385	112.2396	97.20792	102.081	94.26179	104.9236
2936.7483	111.9667	97.01115	101.8997	94.03244	104.6366
2937.71275	111.6824	96.79781	101.7256	93.79301	104.3639
2938.6772	111.3751	96.55632	101.5272	93.52883	104.076
2939.64165	111.0318	96.26539	101.2844	93.2327	103.7444
2940.6061	110.6451	95.91027	101.0121	92.89041	103.3572
2941.57055	110.2265	95.51783	100.6821	92.54106	102.9444
2942.535	109.8498	95.15169	100.3471	92.20846	102.5224
2943.49945	109.5709	94.83118	100.0976	91.89549	102.1458
2944.4639	109.2782	94.45095	99.90862	91.55362	101.7485
2945.42834	108.9374	94.072	99.66622	91.19427	101.2996
2946.3928	108.7179	93.77048	99.45192	90.88457	100.911

2947.35724	108.5911	93.47953	99.35282	90.6063	100.5861
2948.32169	108.2993	93.11692	99.16512	90.26681	100.1667
2949.28614	107.8444	92.71756	98.9062	89.91574	99.75188
2950.25059	107.3027	92.30418	98.59225	89.59982	99.39446
2951.21504	106.8095	91.97407	98.25556	89.32714	99.11679
2952.17949	106.5044	91.74137	98.07689	89.08329	98.945
2953.14394	106.3228	91.57487	98.06123	88.92754	98.80973
2954.10839	106.097	91.4211	97.99596	88.79088	98.68929
2955.07284	105.8409	91.3235	97.9052	88.6898	98.6747
2956.03729	105.6287	91.30482	97.86325	88.67154	98.75661
2957.00174	105.4574	91.37138	97.86138	88.72374	98.96515
2957.96619	105.2506	91.46442	97.85991	88.77289	99.23211
2958.93064	105.0459	91.6322	97.8729	88.87378	99.5933
2959.89509	104.8473	91.88149	97.91866	89.04254	100.0496
2960.85954	104.6283	92.18273	97.97298	89.25652	100.5929
2961.82399	104.5218	92.59603	98.08634	89.50368	101.2723
2962.78843	104.6143	93.13331	98.38194	89.87664	102.0808
2963.75288	104.846	93.76213	98.74911	90.36332	102.9344
2964.71733	105.1911	94.50131	99.154	90.90364	103.8732
2965.68178	105.6238	95.28402	99.60466	91.48856	104.8622
2966.64623	106.1197	96.09809	100.0914	92.13222	105.9103
2967.61068	106.6532	96.95313	100.6201	92.81193	106.9835
2968.57513	107.2529	97.86094	101.1834	93.51606	108.0762
2969.53958	107.8682	98.7656	101.742	94.23183	109.1493
2970.50403	108.4615	99.64479	102.2817	94.95743	110.2124
2971.46848	109.0511	100.5034	102.8008	95.66236	111.2406
2972.43293	109.6263	101.3504	103.3318	96.34757	112.206
2973.39738	110.1909	102.1675	103.8079	96.9706	113.1031
2974.36183	110.7441	102.9337	104.2709	97.54682	114.0236
2975.32628	111.0751	103.5568	104.6946	98.04452	114.881
2976.29072	111.021	104.0038	104.8711	98.38847	115.5928
2977.25517	110.4822	104.2139	104.7549	98.47412	116.1374
2978.21962	109.1902	104.0311	104.2564	98.15968	116.5048
2979.18407	106.5753	103.1733	103.1572	97.25198	116.5894
2980.14852	102.1229	101.417	101.1761	95.51414	116.2189
2981.11297	97.03692	99.40237	98.75682	93.3636	115.7221
2982.07742	95.52947	99.1682	98.03729	92.71582	116.0844
2983.04187	99.92651	101.7877	100.4405	94.98408	117.7846
2984.00632	105.8377	105.0698	103.6869	98.12236	119.7702
2984.97077	109.952	107.4242	105.961	100.3619	121.2966
2985.93522	112.802	109.1625	107.5602	101.9672	122.5091
2986.89967	114.9333	110.5419	108.7578	103.1996	123.4892
2987.86412	116.4384	111.5939	109.6275	104.1337	124.3178
2988.82857	117.2661	112.2669	110.1347	104.7467	124.9868
2989.79302	117.6111	112.7308	110.3995	105.1335	125.5009
2990.75747	117.7339	113.1773	110.5648	105.3941	125.8732
2991.72192	117.932	113.6533	110.7695	105.6567	126.33
2992.68636	118.2207	114.1205	111.0953	105.962	126.8954
2993.65081	118.5027	114.5885	111.4564	106.2965	127.4165
2994.61526	118.7603	115.015	111.6951	106.584	127.8477
2995.57971	118.9981	115.351	111.8325	106.8254	128.2077
2996.54416	119.3914	115.767	112.0303	107.1526	128.6235
2997.50861	120.0393	116.3697	112.4588	107.6266	129.268
2998.47306	120.7048	117.0192	112.9657	108.1011	129.9091

2999.43751	121.3387	117.6249	113.3953	108.5247	130.4684
3000.40196	122.0333	118.2397	113.8216	108.9681	131.0281
3001.36641	122.7468	118.8374	114.2507	109.4223	131.538
3002.33086	123.4615	119.4114	114.6676	109.8881	131.991
3003.29531	124.3084	120.0897	115.2019	110.415	132.5156
3004.25976	125.1856	120.8094	115.7517	110.9328	133.0546
3005.22421	126.0052	121.4385	116.1905	111.4038	133.5613
3006.18865	126.7934	122.0053	116.6192	111.8941	134.0571
3007.1531	127.5457	122.5379	117.0362	112.3626	134.4953
3008.11755	128.1966	123.0039	117.3807	112.7677	134.7934
3009.082	128.7332	123.3907	117.6577	113.104	134.926
3010.04645	129.3159	123.8191	117.9337	113.3961	135.0943
3011.0109	129.951	124.2716	118.3056	113.743	135.3857
3011.97535	130.5238	124.6932	118.6925	114.1018	135.6196
3012.9398	131.1237	125.1143	118.942	114.3708	135.8981
3013.90425	131.7446	125.5154	119.2404	114.7218	136.3075
3014.8687	132.3004	125.9391	119.6335	115.133	136.666
3015.83315	132.821	126.3361	119.9299	115.4336	136.9641
3016.7976	133.354	126.7027	120.2111	115.7049	137.3245
3017.76205	133.7574	126.9953	120.4532	115.9384	137.5693
3018.7265	134.145	127.3006	120.6467	116.1273	137.777
3019.69095	134.6328	127.6769	120.954	116.3837	138.1088
3020.6554	135.0831	128.0484	121.2741	116.6527	138.4195
3021.61985	135.3702	128.3006	121.4871	116.858	138.6022
3022.58429	135.4504	128.3441	121.4745	116.8963	138.603
3023.54874	135.55	128.3827	121.4404	116.9151	138.5985
3024.51319	135.9113	128.6786	121.711	117.1164	138.8265
3025.47764	136.309	129.0525	122.065	117.3698	139.123
3026.44209	136.5545	129.2602	122.2161	117.5109	139.3213
3027.40654	136.6363	129.3205	122.2441	117.5974	139.376
3028.37099	136.6241	129.305	122.1858	117.5957	139.293
3029.33544	136.7122	129.3667	122.2692	117.6547	139.2701
3030.29989	136.8296	129.5241	122.5143	117.7912	139.2341
3031.26434	136.8018	129.5419	122.488	117.7403	139.0639
3032.22879	136.7759	129.4441	122.2725	117.6025	138.9975
3033.19324	136.7807	129.3657	122.2435	117.6416	139.0077
3034.15769	136.9098	129.487	122.3399	117.7318	139.078
3035.12214	137.2558	129.806	122.561	117.9101	139.4161
3036.08659	137.5502	130.0645	122.8018	118.1301	139.7654
3037.05104	137.6463	130.1613	122.8843	118.2394	139.8917
3038.01548	137.5402	130.063	122.7927	118.2139	139.7869
3038.97993	137.383	129.8861	122.5968	118.0894	139.5794
3039.94438	137.344	129.8094	122.5001	118.0177	139.4925
3040.90883	137.3422	129.7814	122.4795	117.9805	139.4725
3041.87328	137.4282	129.8227	122.5072	118.0061	139.5232
3042.83773	137.5908	129.9554	122.6398	118.1094	139.661
3043.80218	137.6208	129.9903	122.6645	118.136	139.6742
3044.76663	137.7771	130.1208	122.7535	118.2029	139.7862
3045.73108	138.1031	130.4195	123.0279	118.3936	140.0782
3046.69553	138.2927	130.615	123.2322	118.5371	140.2423
3047.65998	138.232	130.5899	123.2757	118.5612	140.1269
3048.62443	138.038	130.4282	123.1401	118.44	139.8558
3049.58888	137.939	130.2893	122.9629	118.3118	139.7213
3050.55333	138.0973	130.3788	123.0467	118.4189	139.8824

3051.51777	138.3785	130.6544	123.3075	118.6418	140.1684
3052.48222	138.3991	130.7103	123.3527	118.6915	140.1928
3053.44667	138.3181	130.6017	123.2596	118.627	140.0823
3054.41112	138.3946	130.6632	123.345	118.668	140.1163
3055.37557	138.3745	130.7067	123.4507	118.7045	140.0223
3056.34002	138.4457	130.782	123.4555	118.6638	140.018
3057.30447	138.7351	131.0002	123.579	118.7631	140.3558
3058.26892	138.911	131.1354	123.7433	118.9513	140.5922
3059.23337	138.9251	131.1668	123.8071	119.0025	140.6129
3060.19782	138.9074	131.1654	123.7729	118.972	140.6126
3061.16227	138.8565	131.1143	123.6766	118.9249	140.6034
3062.12672	138.8153	131.0394	123.6112	118.8947	140.5424
3063.09117	138.8707	131.0831	123.7321	118.9432	140.5039
3064.05562	138.8349	131.0998	123.7861	118.9188	140.3395
3065.02007	138.636	130.9244	123.5238	118.7214	140.1251
3065.98452	138.4422	130.7192	123.3888	118.6642	139.9433
3066.94897	138.5654	130.8121	123.4621	118.7141	140.0047
3067.91341	138.8909	131.064	123.6531	118.8919	140.3629
3068.87786	139.0522	131.2227	123.827	119.0909	140.6032
3069.84231	139.0771	131.28	123.8704	119.145	140.6453
3070.80676	139.1373	131.3452	123.9358	119.1925	140.7134
3071.77121	139.1868	131.3972	123.9995	119.2485	140.7799
3072.73566	139.1841	131.4075	123.9951	119.2579	140.7735
3073.70011	139.1264	131.3695	123.9472	119.2426	140.7123
3074.66456	138.9504	131.2142	123.8128	119.154	140.55
3075.62901	138.7093	130.9681	123.5895	118.9703	140.2787
3076.59346	138.5823	130.826	123.488	118.8597	140.1145
3077.55791	138.6233	130.8596	123.5299	118.8582	140.092
3078.52236	138.6509	130.9198	123.5768	118.87	140.0775
3079.48681	138.6943	130.987	123.5938	118.8615	140.125
3080.45126	138.8684	131.1435	123.7006	118.9437	140.3691
3081.4157	138.9488	131.2337	123.8195	119.0624	140.5053
3082.38015	138.851	131.1507	123.7072	119.0035	140.4161
3083.3446	138.8667	131.1302	123.6398	118.9832	140.4543
3084.30905	139.0649	131.3017	123.8156	119.1478	140.705
3085.2735	139.1789	131.4299	123.9518	119.2737	140.8424
3086.23795	139.248	131.5168	124.0037	119.3189	140.8974
3087.2024	139.3167	131.5875	124.0779	119.3882	140.9555
3088.16685	139.1842	131.4826	123.9882	119.3438	140.8485
3089.1313	139.053	131.3551	123.8635	119.2689	140.7311
3090.09575	139.2304	131.4881	123.9783	119.3613	140.8854
3091.0602	139.5451	131.7954	124.2745	119.5858	141.2188
3092.02465	139.7221	132.0199	124.4738	119.7385	141.4055
3092.9891	139.7814	132.1106	124.5596	119.7908	141.4418
3093.95355	139.8003	132.1592	124.6218	119.8122	141.4479
3094.918	139.7781	132.1873	124.7032	119.8444	141.4076
3095.88245	139.8038	132.2327	124.7051	119.7987	141.3929
3096.8469	139.7471	132.149	124.5487	119.7002	141.4272
3097.81134	139.5178	131.8851	124.3157	119.6026	141.3024
3098.77579	139.3886	131.7569	124.2258	119.5457	141.1502
3099.74024	139.5233	131.9091	124.357	119.5984	141.2184
3100.70469	139.8032	132.208	124.6183	119.7427	141.4639
3101.66914	139.9643	132.3838	124.7485	119.8192	141.6495
3102.63359	139.9971	132.4097	124.7573	119.8709	141.7442

3103.59804	140.0155	132.4123	124.7151	119.898	141.816
3104.56249	139.981	132.3576	124.6683	119.904	141.8283
3105.52694	139.8605	132.2355	124.611	119.882	141.7237
3106.49139	139.585	131.9733	124.4335	119.747	141.4289
3107.45584	139.3815	131.7812	124.2209	119.5784	141.1663
3108.42029	139.5179	131.8877	124.2888	119.6302	141.2767
3109.38474	139.784	132.1435	124.5735	119.8443	141.5312
3110.34919	139.8989	132.2862	124.7176	119.9533	141.645
3111.31364	139.8625	132.2753	124.7199	119.9639	141.6534
3112.27808	139.7211	132.1678	124.5986	119.8862	141.5342
3113.24253	139.4738	131.9482	124.4046	119.7418	141.2887
3114.20698	139.2615	131.7395	124.2816	119.6169	141.0347
3115.17143	139.2047	131.7168	124.2844	119.5578	140.8991
3116.13588	139.2877	131.8007	124.2495	119.4941	140.96
3117.10033	139.3208	131.8121	124.2401	119.5228	141.0743
3118.06478	139.272	131.769	124.2737	119.5745	141.0298
3119.02923	139.3334	131.8237	124.217	119.5281	141.0656
3119.99368	139.5561	131.9772	124.2964	119.6161	141.3622
3120.95813	139.8293	132.2209	124.6275	119.8754	141.6735
3121.92258	140.0507	132.505	124.9675	120.0817	141.808
3122.88703	140.2312	132.7086	125.0472	120.0954	141.9754
3123.85148	140.2824	132.7096	125.0196	120.1123	142.1287
3124.81593	140.2832	132.6991	125.0793	120.2244	142.1444
3125.78038	140.252	132.7056	125.1266	120.2776	142.0583
3126.74483	140.2038	132.6698	125.0553	120.2264	141.9832
3127.70927	140.0267	132.474	124.8439	120.1045	141.8394
3128.67372	139.9008	132.3199	124.694	120.0484	141.7174
3129.63817	140.091	132.4584	124.8241	120.1504	141.8723
3130.60262	140.2763	132.6208	125.0288	120.2713	142.0439
3131.56707	140.2753	132.6647	125.1777	120.3353	142.0268
3132.53152	140.2712	132.7462	125.3044	120.3853	141.9521
3133.49597	140.3243	132.8139	125.2522	120.3279	142.0082
3134.46042	140.2783	132.7165	125.1132	120.298	142.0706
3135.42487	140.1289	132.5479	125.0025	120.2555	141.998
3136.38932	139.8675	132.3185	124.7887	120.0934	141.7793
3137.35377	139.6793	132.1482	124.5808	119.9716	141.6028
3138.31822	139.6889	132.1431	124.5162	119.9383	141.5951
3139.28267	139.9386	132.3323	124.6907	120.0597	141.8268
3140.24712	140.2617	132.6079	124.9883	120.2724	142.1484
3141.21157	140.4348	132.7812	125.1807	120.4025	142.3101
3142.17602	140.4781	132.8443	125.2516	120.4359	142.3296
3143.14046	140.492	132.8646	125.2701	120.4295	142.3297
3144.10491	140.5025	132.8454	125.2646	120.4352	142.3227
3145.06936	140.478	132.8191	125.2335	120.4414	142.2722
3146.03381	140.4638	132.821	125.2412	120.4415	142.2417
3146.99826	140.4297	132.7795	125.2498	120.4505	142.1933
3147.96271	140.3717	132.7159	125.1959	120.4473	142.1212
3148.92716	140.2444	132.6123	125.0952	120.3952	142.0031
3149.89161	139.9796	132.4012	124.9088	120.256	141.7433
3150.85606	139.7487	132.1989	124.7146	120.1022	141.4791
3151.82051	139.7808	132.2076	124.7102	120.0948	141.4857
3152.78496	140.0378	132.3974	124.9045	120.2387	141.7421
3153.74941	140.2625	132.5856	125.1021	120.3886	141.9776
3154.71386	140.4247	132.7409	125.2494	120.4727	142.1326

3155.67831	140.5188	132.8238	125.3414	120.5085	142.2163
3156.64275	140.556	132.8648	125.3697	120.5505	142.2615
3157.6072	140.6149	132.9264	125.4065	120.5888	142.342
3158.57165	140.6733	132.9881	125.4646	120.6094	142.4207
3159.5361	140.7101	132.9976	125.4694	120.6089	142.4344
3160.50055	140.7423	132.9907	125.4688	120.6068	142.4057
3161.465	140.7547	132.9954	125.4752	120.6088	142.4063
3162.42945	140.7375	132.9913	125.4924	120.615	142.407
3163.3939	140.701	132.966	125.4873	120.5995	142.3693
3164.35835	140.713	132.9686	125.5051	120.6253	142.331
3165.3228	140.7614	132.9899	125.5504	120.665	142.3374
3166.28725	140.7757	132.9925	125.5782	120.6777	142.3254
3167.2517	140.7899	133.0095	125.6143	120.7038	142.308
3168.21615	140.8014	133.0154	125.6559	120.7287	142.2759
3169.1806	140.7817	133.0127	125.6701	120.7451	142.24
3170.14505	140.759	132.9817	125.6508	120.7348	142.2251
3171.1095	140.7686	132.9696	125.6461	120.7418	142.2318
3172.07395	140.7891	132.9813	125.6723	120.7551	142.2363
3173.03839	140.7985	132.9976	125.6884	120.7575	142.2337
3174.00284	140.8076	133.0265	125.686	120.7806	142.2574
3174.96729	140.8574	133.0643	125.7082	120.8003	142.3068
3175.93174	140.8962	133.0909	125.7493	120.798	142.3316
3176.89619	140.8327	133.0816	125.8269	120.814	142.2217
3177.86064	140.8277	133.1104	125.8529	120.7735	142.1294
3178.82509	140.8862	133.1334	125.7422	120.6769	142.2247
3179.78954	140.8841	133.0636	125.6992	120.7133	142.3173
3180.75399	140.8851	133.038	125.6923	120.7472	142.3157
3181.71844	140.9057	133.0569	125.6984	120.7557	142.3212
3182.68289	140.939	133.0621	125.7431	120.7776	142.3213
3183.64734	140.935	133.0647	125.8254	120.8199	142.2482
3184.61179	140.9461	133.1054	125.8988	120.8675	142.1643
3185.57624	140.9571	133.1062	125.8593	120.8356	142.1378
3186.54068	140.8756	133.0222	125.7699	120.8103	142.1162
3187.50513	140.7701	132.9367	125.6924	120.8059	142.0456
3188.46958	140.7875	132.953	125.7029	120.8239	142.0406
3189.43403	140.8723	132.9918	125.8145	120.879	142.0838
3190.39848	140.8585	132.9546	125.8318	120.8764	142.0318
3191.36293	140.8138	132.9228	125.79	120.8555	141.9779
3192.32738	140.8565	132.9506	125.7907	120.8613	142.0128
3193.29183	140.9263	132.9829	125.8411	120.8901	142.0487
3194.25628	140.9671	133.0192	125.8721	120.9025	142.0633
3195.22073	141.0206	133.0933	125.9445	120.9461	142.0896
3196.18518	141.0269	133.1156	125.9969	120.9574	142.0488
3197.14963	141.0088	133.1196	126.0455	120.9433	141.9539
3198.11408	141.0201	133.1399	125.9929	120.8678	141.9622
3199.07853	141.0056	133.0834	125.8979	120.8433	142.0229
3200.04298	140.9581	133.0351	125.8541	120.8641	142.0043
3201.00743	140.92	132.9941	125.8062	120.8501	141.9489
3201.97188	140.9544	132.9667	125.8316	120.8632	141.9421
3202.93633	140.969	132.9504	125.8678	120.8846	141.914
3203.90077	140.9326	132.9544	125.87	120.8993	141.8733
3204.86522	140.8556	132.8874	125.8189	120.8753	141.7912
3205.82967	140.8772	132.8813	125.8366	120.8821	141.7586
3206.79412	140.9821	132.966	125.9526	120.9518	141.7995

3207.75857	141.0243	133.0102	126.0525	121.0074	141.7729
3208.72302	140.9912	133.0034	126.13	121.0235	141.6284
3209.68747	140.9875	133.0408	126.124	120.9649	141.5339
3210.65192	141.0246	133.0367	126.046	120.92	141.5965
3211.61637	140.9787	132.9422	125.9955	120.9443	141.5999
3212.58082	140.8641	132.8595	125.9845	120.9394	141.461
3213.54527	140.8481	132.9077	126.042	120.9356	141.3523
3214.50972	140.9887	133.0201	126.0346	120.8712	141.434
3215.47417	141.0001	132.9669	125.9854	120.8662	141.5118
3216.43862	140.8991	132.8649	125.9233	120.8582	141.4613
3217.40307	140.7982	132.7708	125.8158	120.797	141.3905
3218.36751	140.8342	132.7928	125.8902	120.8455	141.3578
3219.33196	140.9566	132.9219	126.0545	120.8603	141.3569
3220.29641	141.0375	132.9607	126.0682	120.8273	141.4008
3221.26086	141.038	132.9012	126.0473	120.8687	141.4079
3222.22531	141.0267	132.8734	126.0357	120.8847	141.3761
3223.18976	141.0319	132.8539	126.0306	120.8847	141.3523
3224.15421	141.0549	132.8488	126.0522	120.9246	141.3165
3225.11866	141.0611	132.8365	126.0712	120.9394	141.2571
3226.08311	141.0398	132.8107	126.1127	120.9458	141.1517
3227.04756	141.0125	132.7843	126.1308	120.9202	141.0387
3228.01201	140.9715	132.7458	126.0855	120.8765	140.9596
3228.97646	140.8665	132.6399	126.0252	120.8755	140.8378
3229.94091	140.7083	132.5043	125.8886	120.7699	140.6733
3230.90536	140.4443	132.295	125.6567	120.5952	140.4624
3231.8698	140.2129	132.0903	125.4493	120.4832	140.1973
3232.83426	140.2846	132.1126	125.433	120.47	140.1747
3233.7987	140.5949	132.3069	125.5965	120.5763	140.4501
3234.76315	140.8349	132.4645	125.8136	120.7233	140.649
3235.7276	140.9195	132.5411	125.9564	120.8138	140.6606
3236.69205	140.9607	132.5873	125.9676	120.7831	140.6578
3237.6565	140.979	132.5774	125.9232	120.7476	140.71
3238.62095	140.9505	132.5413	125.9427	120.7701	140.702
3239.5854	140.9319	132.5319	125.9743	120.762	140.6346
3240.54985	140.9693	132.5207	125.9485	120.7198	140.5806
3241.5143	141.0155	132.5089	125.9585	120.7167	140.5544
3242.47875	140.9707	132.4511	125.9714	120.7155	140.4748
3243.4432	140.7681	132.3082	125.9491	120.7037	140.2211
3244.40765	140.5171	132.1589	125.8646	120.6129	139.8708
3245.3721	140.3727	132.0294	125.592	120.3781	139.658
3246.33655	140.3924	131.9322	125.4636	120.3266	139.7059
3247.301	140.631	132.0458	125.6746	120.5118	139.9007
3248.26544	140.835	132.1802	125.8839	120.6629	140.0332
3249.22989	140.9054	132.2219	125.9736	120.7147	140.0453
3250.19434	140.9321	132.2151	125.9961	120.7071	140.0042
3251.15879	140.9504	132.2094	126.0038	120.7016	139.9668
3252.12324	140.8959	132.1612	125.9922	120.6592	139.8705
3253.08769	140.69	132.0148	125.9613	120.6013	139.6331
3254.05214	140.487	131.858	125.7473	120.4089	139.3608
3255.01659	140.5604	131.8448	125.6028	120.2924	139.4159
3255.98104	140.7961	131.994	125.8225	120.4802	139.6541
3256.94549	140.9476	132.1215	125.9966	120.6086	139.7536
3257.90994	140.9867	132.1194	125.9733	120.5955	139.7456
3258.87439	140.9711	132.0723	125.9675	120.6056	139.696

3259.83884	140.9509	132.0435	125.9877	120.5909	139.6147
3260.80329	140.9537	132.0164	125.9395	120.5388	139.5481
3261.76774	140.9389	131.9433	125.9076	120.5271	139.5103
3262.73218	140.9087	131.8835	125.9168	120.5243	139.4172
3263.69663	140.8603	131.8534	125.9367	120.513	139.3155
3264.66108	140.8181	131.8044	125.9449	120.5084	139.2221
3265.62553	140.7761	131.7373	125.9082	120.4703	139.1324
3266.58998	140.6545	131.608	125.7991	120.4006	138.9991
3267.55443	140.3947	131.3616	125.5888	120.2715	138.7556
3268.51888	140.0583	131.0497	125.2993	120.0688	138.4
3269.48333	139.8713	130.8747	125.1017	119.9105	138.162
3270.44778	139.9836	130.9276	125.1429	119.9196	138.2
3271.41223	140.2528	131.0969	125.373	120.058	138.4028
3272.37668	140.3482	131.186	125.6086	120.1725	138.4024
3273.34113	140.2639	131.1423	125.5942	120.0852	138.2056
3274.30558	140.3506	131.1712	125.5058	119.9702	138.2482
3275.27003	140.5322	131.2758	125.7095	120.1254	138.4128
3276.23448	140.6912	131.4004	125.8641	120.2072	138.4315
3277.19893	140.7541	131.4059	125.7872	120.1507	138.4754
3278.16338	140.691	131.2747	125.7358	120.1656	138.4726
3279.12782	140.595	131.1528	125.6833	120.1394	138.357
3280.09227	140.6382	131.1547	125.6799	120.1215	138.3379
3281.05672	140.6915	131.1597	125.7352	120.1194	138.3624
3282.02117	140.6323	131.0843	125.7774	120.1256	138.2613
3282.98562	140.5533	131.0025	125.7548	120.0748	138.0701
3283.95007	140.5258	130.9428	125.6759	120.0147	137.9489
3284.91452	140.5541	130.9114	125.666	120.0213	137.9301
3285.87897	140.5268	130.8345	125.653	120.011	137.8695
3286.84342	140.4516	130.7604	125.6346	119.9798	137.7633
3287.80787	140.3837	130.6927	125.6448	119.9457	137.6221
3288.77232	140.2288	130.5529	125.4988	119.8107	137.4279
3289.73677	139.8901	130.2507	125.1972	119.5916	137.099
3290.70122	139.6587	130.0399	125.0265	119.4653	136.8168
3291.66567	139.7317	130.0857	125.0852	119.4692	136.8165
3292.63011	139.8132	130.1042	125.1183	119.476	136.8763
3293.59456	139.7529	129.9968	124.9715	119.3907	136.8173
3294.55901	139.7553	129.9349	124.9026	119.3464	136.8191
3295.52346	139.8456	129.9605	124.9804	119.3937	136.8828
3296.48791	140.0259	130.1041	125.1836	119.5052	136.9913
3297.45236	140.1824	130.2151	125.3228	119.5464	137.0336
3298.41681	140.22	130.2121	125.3137	119.5291	137.063
3299.38126	140.191	130.1365	125.2833	119.5445	137.038
3300.34571	140.0905	130.0117	125.2176	119.4842	136.916
3301.31016	139.8859	129.823	125.0757	119.3671	136.7309
3302.27461	139.5847	129.5654	124.8624	119.2316	136.4521
3303.23906	139.3093	129.2801	124.6041	119.0233	136.1102
3304.20351	139.2001	129.1222	124.4769	118.8814	135.9227
3305.16796	139.2356	129.1091	124.4932	118.8643	135.8848
3306.13241	139.3337	129.1569	124.6062	118.9209	135.9054
3307.09685	139.3058	129.1424	124.7185	118.9629	135.8042
3308.06131	139.3229	129.19	124.8164	118.9797	135.6968
3309.02575	139.6514	129.4326	124.9994	119.0591	135.8899
3309.9902	139.9362	129.6147	125.19	119.1979	136.1529
3310.95465	139.9976	129.6364	125.2503	119.2536	136.1904

3311.9191	139.9793	129.5916	125.2705	119.263	136.119
3312.88355	139.9747	129.5831	125.278	119.2452	136.0573
3313.848	140.0382	129.6095	125.2337	119.1825	136.1196
3314.81245	140.0726	129.564	125.2105	119.1683	136.1909
3315.7769	140.0557	129.493	125.2001	119.1647	136.1484
3316.74135	140.0373	129.4585	125.2144	119.1501	136.0877
3317.7058	140.0582	129.4742	125.2119	119.1566	136.1181
3318.67025	140.0448	129.4331	125.1708	119.1487	136.1062
3319.6347	139.9705	129.3524	125.1287	119.1033	136.028
3320.59915	139.9103	129.2785	125.1033	119.0568	135.9486
3321.5636	139.8197	129.1967	125.0557	119.0212	135.8665
3322.52805	139.6682	129.061	124.9906	118.9518	135.7188
3323.4925	139.4144	128.8049	124.7682	118.7911	135.4179
3324.45694	139.2584	128.6216	124.5536	118.6465	135.159
3325.42139	139.4361	128.7322	124.6884	118.6998	135.2307
3326.38584	139.7241	128.9756	125.0135	118.8951	135.4417
3327.35029	139.8266	129.0535	125.1119	118.9553	135.5229
3328.31474	139.7915	129.0164	125.0993	118.9504	135.5018
3329.27919	139.7653	128.9957	125.1004	118.9375	135.4542
3330.24364	139.8024	128.9978	125.0981	118.9117	135.4469
3331.20809	139.8362	128.9746	125.095	118.8782	135.4476
3332.17254	139.8334	128.9594	125.1013	118.8678	135.4532
3333.13699	139.7854	128.9256	125.103	118.8539	135.3919
3334.10144	139.672	128.8526	125.0347	118.7788	135.2339
3335.06589	139.4651	128.656	124.8084	118.5693	135.0082
3336.03034	139.2461	128.4291	124.6682	118.464	134.7761
3336.99479	139.1157	128.315	124.4502	118.3285	134.642
3337.95923	139.1621	128.2869	124.3282	118.2788	134.7405
3338.92368	139.3874	128.4324	124.5741	118.4608	134.9864
3339.88813	139.4983	128.5159	124.7594	118.5557	135.0621
3340.85258	139.3242	128.3532	124.6552	118.4884	134.9134
3341.81703	139.1874	128.1934	124.5023	118.3816	134.7651
3342.78148	139.3475	128.2937	124.5953	118.4093	134.8372
3343.74593	139.548	128.4684	124.7928	118.5496	134.9596
3344.71038	139.6255	128.5542	124.9161	118.6431	134.996
3345.67483	139.5983	128.5281	124.9519	118.6278	134.9201
3346.63928	139.5166	128.4254	124.8841	118.5735	134.7989
3347.60373	139.3055	128.2243	124.6994	118.4545	134.5799
3348.56818	138.9741	127.9191	124.3963	118.2193	134.2684
3349.53263	138.8306	127.7381	124.1976	118.0724	134.1075
3350.49708	139.0538	127.8883	124.3512	118.1523	134.2783
3351.46153	139.3496	128.1455	124.6425	118.3292	134.544
3352.42598	139.4994	128.2856	124.7923	118.4286	134.6557
3353.39043	139.5572	128.3284	124.8655	118.4515	134.6794
3354.35487	139.562	128.3324	124.9222	118.4462	134.6381
3355.31932	139.5477	128.3522	124.9518	118.4108	134.5344
3356.28377	139.5305	128.3337	124.8831	118.3182	134.4916
3357.24822	139.4377	128.2023	124.7298	118.2169	134.4548
3358.21267	139.2315	127.9781	124.5249	118.093	134.2945
3359.17712	139.0936	127.8361	124.3849	118.0058	134.1321
3360.14157	139.1906	127.9123	124.4718	118.0295	134.1611
3361.10602	139.3622	128.0688	124.6918	118.1573	134.2536
3362.07047	139.4651	128.1519	124.7491	118.1616	134.2756
3363.03492	139.3678	128.0341	124.669	118.1294	134.189

3363.99937	139.0589	127.7778	124.5091	118.0358	133.9073
3364.96382	138.7149	127.4659	124.2445	117.7958	133.5111
3365.92827	138.5478	127.2987	124.0713	117.6202	133.3025
3366.89272	138.4664	127.1942	124.0045	117.5827	133.2024
3367.85716	138.4344	127.1553	123.9458	117.5559	133.1705
3368.82161	138.5361	127.2114	123.9241	117.563	133.2607
3369.78606	138.8354	127.4322	124.1322	117.74	133.5535
3370.75051	139.145	127.7157	124.4258	117.9742	133.8807
3371.71496	139.3126	127.9164	124.6065	118.1063	134.0824
3372.67941	139.3961	128.0049	124.6905	118.1596	134.1894
3373.64386	139.3885	128.0115	124.6816	118.1608	134.2156
3374.60831	139.2722	127.9081	124.5445	118.0889	134.1309
3375.57276	139.2184	127.8614	124.4247	118.0338	134.0764
3376.53721	139.3843	128.032	124.5536	118.1406	134.2314
3377.50166	139.4979	128.2005	124.6965	118.2441	134.3691
3378.46611	139.4133	128.1467	124.6281	118.1912	134.3044
3379.43056	139.4551	128.1779	124.6185	118.2158	134.3442
3380.39501	139.731	128.4572	124.8734	118.4039	134.621
3381.35946	139.9328	128.6814	125.0896	118.549	134.8379
3382.32391	139.9731	128.7633	125.1917	118.6312	134.8727
3383.28836	139.9809	128.8178	125.2882	118.7115	134.8234
3384.2528	139.9509	128.8381	125.3188	118.7293	134.7458
3385.21725	139.916	128.8847	125.2778	118.7359	134.7712
3386.1817	139.9034	128.9041	125.1979	118.7761	134.8655
3387.14615	139.8743	128.8975	125.1597	118.8312	134.9513
3388.1106	139.7336	128.7625	125.0654	118.7867	134.8868
3389.07505	139.4439	128.4852	124.7713	118.5905	134.6285
3390.0395	139.2677	128.34	124.5689	118.4484	134.4566
3391.00395	139.327	128.4617	124.7245	118.5305	134.4845
3391.9684	139.5744	128.8394	125.136	118.8014	134.6488
3392.93285	139.9062	129.2931	125.2902	118.9022	135.0016
3393.8973	140.1146	129.4875	125.2526	118.9948	135.4477
3394.86175	140.3093	129.6856	125.4887	119.2989	135.8587
3395.8262	140.3435	129.8214	125.6975	119.4977	135.9099
3396.79065	140.1509	129.7363	125.5721	119.4236	135.6535
3397.7551	139.9022	129.5262	125.1514	119.1005	135.4595
3398.71954	139.7524	129.3284	124.944	119.0147	135.4308
3399.68399	139.7893	129.3373	124.9834	119.1193	135.4776
3400.64844	140.0069	129.5992	125.1916	119.3264	135.7068
3401.61289	140.4531	130.1317	125.6066	119.712	136.2266
3402.57734	140.9206	130.7004	126.0948	120.1377	136.7447
3403.54179	141.1596	131.0243	126.3406	120.3674	137.0213
3404.50624	141.2336	131.1459	126.4027	120.4527	137.1861
3405.47069	141.2518	131.2064	126.4722	120.551	137.2776
3406.43514	141.1162	131.1226	126.3641	120.5154	137.1785
3407.39959	140.9153	130.9209	126.125	120.3758	136.9646
3408.36404	141.0419	131.0633	126.2039	120.4692	137.1214
3409.32849	141.369	131.4611	126.5564	120.7565	137.521
3410.29294	141.3352	131.5269	126.5803	120.8252	137.5714
3411.25739	141.1307	131.3557	126.3459	120.6816	137.4072
3412.22184	141.2877	131.5114	126.4417	120.7601	137.5918
3413.18629	141.6813	131.9607	126.7881	121.0625	138.0216
3414.15073	142.0096	132.3705	127.0701	121.3394	138.4215
3415.11518	142.2438	132.6795	127.3062	121.5642	138.7443

3416.07963	142.3991	132.8873	127.4232	121.664	138.9615
3417.04408	142.5578	133.0367	127.5016	121.7352	139.1352
3418.00853	142.5547	133.0989	127.5317	121.7476	139.1234
3418.97298	142.3552	133.0183	127.5882	121.7376	138.8097
3419.93743	142.4412	133.2369	127.844	121.8125	138.6787
3420.90188	142.7928	133.6836	128.017	121.9119	138.9907
3421.86633	142.9247	133.8178	128.0214	122.069	139.3257
3422.83078	142.9352	133.7977	127.9673	122.1806	139.5084
3423.79523	142.9113	133.7092	127.8833	122.2301	139.5943
3424.75968	142.8406	133.6291	127.8509	122.2789	139.6081
3425.72413	142.6681	133.4697	127.7467	122.2133	139.4625
3426.68858	142.4392	133.2387	127.5316	122.0536	139.1954
3427.65303	142.3786	133.1524	127.4248	121.9764	139.0903
3428.61748	142.3273	133.0681	127.3133	121.9044	139.0134
3429.58192	142.3763	133.1298	127.3531	121.9674	139.048
3430.54637	142.7344	133.552	127.7366	122.2715	139.3913
3431.51082	142.8275	133.7016	127.8223	122.3465	139.5608
3432.47527	142.4835	133.3502	127.4532	122.0991	139.3093
3433.43972	142.1643	132.9811	127.0669	121.7724	138.985
3434.40417	142.2484	133.0312	127.1023	121.8065	139.0682
3435.36862	142.3744	133.1649	127.2477	121.9202	139.2136
3436.33307	142.5424	133.3353	127.374	122.0287	139.3691
3437.29752	143.0826	133.9258	127.8725	122.4711	139.9368
3438.26197	143.6686	134.6244	128.4376	122.9837	140.583
3439.22642	144.0128	135.0545	128.7122	123.2505	140.9635
3440.19087	144.1893	135.2574	128.9083	123.4145	141.115
3441.15532	144.1785	135.3284	129.1493	123.5627	141.015
3442.11977	144.22	135.4525	129.2808	123.614	140.8893
3443.08421	144.4634	135.6561	129.1807	123.5223	141.1133
3444.04866	144.5507	135.6444	129.1972	123.6197	141.3655
3445.01311	144.2855	135.4514	129.2551	123.614	141.0979
3445.97756	143.9186	135.3086	129.5532	123.6951	140.4582
3446.94201	144.1639	135.7868	129.8095	123.7648	140.32
3447.90646	144.5966	136.1372	129.4558	123.5842	140.9676
3448.87091	144.5902	135.9161	129.3119	123.8301	141.4666
3449.83536	144.5825	135.8455	129.3457	124.0377	141.6333
3450.79981	144.613	135.8737	129.3407	124.1093	141.7225
3451.76426	144.6612	135.9483	129.3718	124.1717	141.8323
3452.72871	144.7398	136.0168	129.4485	124.2437	141.9358
3453.69316	144.8168	136.1179	129.5074	124.2935	142.0385
3454.65761	144.8734	136.2385	129.6075	124.374	142.147
3455.62206	144.9816	136.392	129.6896	124.4277	142.2555
3456.58651	145.0016	136.4225	129.6298	124.3854	142.2792
3457.55096	144.6796	136.0793	129.3177	124.0824	141.9503
3458.51541	144.2212	135.5671	128.8564	123.611	141.4471
3459.47985	144.3217	135.6677	128.9449	123.6713	141.5148
3460.4443	144.8573	136.3628	129.6274	124.256	142.0483
3461.40875	145.163	136.8473	130.084	124.5953	142.3068
3462.3732	145.1681	136.8899	130.0507	124.5512	142.2617
3463.33765	145.059	136.69	129.7109	124.3156	142.2374
3464.3021	144.6864	136.1899	129.3216	124.086	142.0208
3465.26655	144.0599	135.507	128.803	123.6402	141.3471
3466.231	143.6871	135.1583	128.5791	123.3612	140.8474
3467.19545	143.6487	135.1521	128.4469	123.1936	140.7875

3468.1599	143.7411	135.2349	128.4235	123.2746	141.0366
3469.12435	144.2804	135.8454	129.0037	123.8875	141.712
3470.0888	145.0091	136.7208	129.7796	124.5949	142.5284
3471.05325	145.5423	137.3351	130.2142	125.0186	143.1333
3472.0177	145.7688	137.5639	130.3762	125.1962	143.4197
3472.98214	145.728	137.5589	130.391	125.2043	143.4221
3473.94659	145.6061	137.5094	130.4004	125.1665	143.2346
3474.91104	145.7338	137.7197	130.4464	125.1298	143.2811
3475.87549	145.8232	137.7923	130.3314	125.0677	143.4898
3476.83994	145.5022	137.3361	129.9668	124.8118	143.3136
3477.80439	144.9471	136.6374	129.3879	124.2576	142.7577
3478.76884	144.7837	136.4235	129.3016	124.0665	142.4548
3479.73329	145.3001	137.0834	130.072	124.607	142.7653
3480.69774	145.8167	137.9063	130.8311	125.1165	143.1134
3481.66219	146.0156	138.338	131.133	125.3138	143.2334
3482.62664	146.1391	138.4642	130.839	125.1306	143.4629
3483.59109	145.8754	137.996	130.3398	124.9221	143.5166
3484.55554	145.3869	137.3409	129.9436	124.7166	143.14
3485.51999	145.1415	137.0019	129.7064	124.4633	142.8349
3486.48444	145.2629	137.1442	130.0078	124.6154	142.8626
3487.44889	145.4067	137.4526	130.4148	124.8842	142.8922
3488.41334	145.5674	137.721	130.2904	124.7571	143.0543
3489.37778	145.5671	137.6327	130.0725	124.7078	143.3334
3490.34223	145.4385	137.4254	130.0223	124.7963	143.3378
3491.30668	145.4066	137.3795	129.932	124.6913	143.2882
3492.27113	145.3128	137.2257	129.7698	124.5339	143.2032
3493.23558	145.1938	137.0348	129.6483	124.386	143.0896
3494.20003	145.1954	137.0487	129.8181	124.4065	143.0111
3495.16448	145.0499	136.9749	129.8411	124.2933	142.7004
3496.12893	144.8376	136.7743	129.5519	124.0192	142.3866
3497.09338	145.0377	136.8507	129.3669	123.9081	142.6404
3498.05783	145.4116	137.0638	129.5876	124.1843	143.1984
3499.02228	145.6386	137.3009	129.9189	124.4494	143.4895
3499.98673	145.453	137.2253	129.9256	124.3001	143.2159
3500.95118	144.9582	136.8538	129.8094	124.0115	142.4857
3501.91563	144.8048	136.9352	130.117	123.9718	141.8171
3502.88008	145.1773	137.5457	130.5396	124.044	141.7904
3503.84453	145.5813	137.9047	130.3791	123.9769	142.3598
3504.80897	145.7238	137.7675	130.0699	124.1112	142.9763
3505.77342	145.8741	137.6341	129.9874	124.3334	143.4579
3506.73787	145.9549	137.5853	130.0981	124.5223	143.7371
3507.70232	145.7933	137.531	130.4796	124.6907	143.4471
3508.66677	145.5451	137.5724	130.8953	124.7405	142.7417
3509.63122	145.6381	137.8293	130.5287	124.1947	142.5672
3510.59567	145.5158	137.5442	129.9558	123.9191	142.8498
3511.56012	145.1161	137.0044	129.6121	123.9596	142.8176
3512.52457	144.9172	136.6862	129.3037	123.8412	142.777
3513.48902	145.145	136.7921	129.4201	123.9691	143.0861
3514.45347	145.43	137.0267	129.6245	124.1591	143.423
3515.41792	145.5367	137.1014	129.7074	124.2579	143.5446
3516.38237	145.577	137.135	129.8047	124.2812	143.5691
3517.34682	145.6489	137.2315	129.9733	124.3269	143.538
3518.31126	145.7079	137.3336	130.065	124.3344	143.4919
3519.27572	145.8449	137.4486	130.0155	124.2579	143.6585

3520.24016	145.8805	137.3775	129.9537	124.1966	143.84
3521.20461	145.4837	137.0806	130.1039	124.2111	143.3759
3522.16906	144.9434	136.913	130.312	124.1094	142.3668
3523.13351	145.1508	137.4207	130.3019	123.7638	142.0641
3524.09796	145.7785	137.9317	130.33	123.6929	142.7537
3525.06241	146.0834	138.056	130.6585	124.098	143.2729
3526.02686	146.05	138.0771	131.0177	124.4194	143.2122
3526.99131	146.033	138.252	131.2777	124.4627	142.9711
3527.95576	145.9956	138.2765	131.1559	124.2865	142.8873
3528.92021	145.9881	138.0961	130.8266	124.1959	143.0537
3529.88466	145.8615	137.7865	130.3943	124.0863	143.2623
3530.84911	145.678	137.5192	130.2185	124.1736	143.3961
3531.81356	145.6758	137.4497	129.9382	124.1211	143.6603
3532.77801	145.6981	137.3455	129.8272	124.2083	143.9531
3533.74246	145.5346	137.1936	129.7388	124.1534	143.9342
3534.7069	145.0815	136.8995	129.7408	124.1024	143.3814
3535.67135	144.9545	136.9202	129.9784	124.1015	142.8309
3536.6358	145.4869	137.392	129.9625	123.857	143.1976
3537.60025	145.7491	137.3756	129.7486	123.8245	143.8557
3538.5647	145.6294	137.1331	129.771	124.089	144.0225
3539.52915	145.5504	137.1024	129.7082	124.0796	144.02
3540.4936	145.4498	137.0344	129.5653	123.9807	143.9596
3541.45805	145.4473	137.0667	129.6071	123.9184	143.8776
3542.4225	145.5919	137.3312	130.1391	124.0914	143.7488
3543.38695	145.4423	137.4839	130.5152	124.0139	143.1992
3544.3514	145.1873	137.5374	130.8148	123.9508	142.4935
3545.31585	145.3588	137.8614	130.8843	123.6712	142.3534
3546.2803	145.4975	137.9506	131.0327	123.8228	142.5518
3547.24475	145.8524	138.1257	130.7231	123.8111	143.1245
3548.20919	146.2354	138.1447	130.2469	123.7842	144.1061
3549.17364	146.2245	137.8242	130.1999	124.1496	144.6273
3550.13809	146.0303	137.6092	130.3881	124.3649	144.5011
3551.10254	145.7435	137.6019	131.0533	124.6614	143.8053
3552.06699	145.7311	137.9913	131.1496	124.3724	143.3017
3553.03144	145.8068	138.0906	130.463	123.8088	143.6319
3553.99589	145.8359	137.8435	130.0526	123.8587	144.2464
3554.96034	145.9122	137.6781	129.9411	124.063	144.7253
3555.92479	145.8734	137.5643	130.1357	124.3633	144.8596
3556.88924	146.0225	137.7141	130.259	124.4158	145.0219
3557.85369	146.1906	137.8333	130.3154	124.3813	145.2228
3558.81814	145.852	137.6108	130.5157	124.4579	144.7974
3559.78259	145.6366	137.6862	130.5305	124.2772	144.2638
3560.74704	146.0859	138.1152	130.3122	123.8922	144.6246
3561.71149	146.5732	138.3731	130.8374	124.3045	145.1556
3562.67594	147.0656	138.8123	131.5206	124.6508	145.3489
3563.64039	147.8169	139.6036	132.1879	124.7896	145.7983
3564.60484	147.7657	139.8253	133.3737	125.2277	145.3309
3565.56928	147.1158	139.9731	135.0261	125.7047	143.4093
3566.53373	146.7125	140.6322	134.8162	124.4353	141.7405
3567.49818	145.8745	139.7966	133.2375	123.7117	141.6184
3568.46263	146.1284	139.3548	130.8895	122.9476	143.257
3569.42708	146.3712	138.6629	130.1261	123.3601	144.9806
3570.39153	146.302	138.1976	130.5926	124.3499	145.5318
3571.35598	146.3665	138.1164	130.4493	124.4032	145.9126

3572.32043	146.3231	137.9953	130.5241	124.5661	146.0508
3573.28488	146.2349	138.0638	130.7231	124.6613	145.8768
3574.24933	146.3475	138.3643	130.8638	124.6296	145.8742
3575.21378	146.4851	138.5275	130.7847	124.5257	146.0677
3576.17823	146.4624	138.4641	130.9339	124.746	146.1198
3577.14268	146.6207	138.5579	130.9431	124.7082	146.3048
3578.10713	146.5435	138.3601	130.8563	124.6247	146.4144
3579.07157	146.1523	138.0231	130.9367	124.7029	146.0149
3580.03602	146.0088	138.0221	130.5411	124.3114	145.8132
3581.00047	146.1248	138.0402	130.1396	124.1426	146.2075
3581.96492	146.2591	138.0555	130.4655	124.5151	146.4884
3582.92937	146.4251	138.2903	130.701	124.5773	146.5309
3583.89382	146.7346	138.5943	130.6386	124.3357	146.8094
3584.85827	146.7538	138.6735	131.5407	124.7514	146.631
3585.82272	146.4892	138.981	133.6027	125.6654	145.2983
3586.78717	146.6396	140.0783	134.1877	124.8979	143.9711
3587.75162	146.2101	139.8856	133.3137	124.0272	143.5547
3588.71607	146.4146	139.559	131.6272	123.6433	144.8645
3589.68052	146.6945	139.024	129.9959	123.2792	146.7314
3590.64497	146.4628	138.3301	130.173	124.1407	147.3239
3591.60942	146.2731	138.1464	130.7562	124.6844	147.1296
3592.57387	146.3861	138.5048	131.6759	125.0619	146.7007
3593.53831	146.7584	139.1365	131.6854	124.5472	146.6037
3594.50277	146.4294	138.952	132.0502	124.7761	146.132
3595.46721	146.6039	139.267	131.6569	124.3745	146.1219
3596.43166	146.7955	139.2274	130.8273	123.7622	146.8126
3597.39611	146.2336	138.4368	130.9006	124.2415	146.6666
3598.36056	146.1911	138.3441	131.0252	124.2729	146.4445
3599.32501	146.3021	138.435	131.2371	124.2146	146.4041
3600.28946	146.0915	138.3981	131.5223	124.4533	146.0574
3601.25391	146.1083	138.5105	130.733	123.8751	146.2267
3602.21836	146.1685	138.2949	130.3032	123.9072	146.8495
3603.18281	146.3871	138.2409	130.1503	124.1065	147.4173
3604.14726	146.8066	138.3419	130.2465	124.2922	148.0744
3605.11171	146.9719	138.5067	131.0568	124.7363	148.0967
3606.07616	146.8179	138.7937	132.5942	125.4111	147.1561
3607.04061	147.2355	139.8798	133.1627	125.0049	146.6152
3608.00506	146.9217	139.8842	133.2965	124.7371	146.1024
3608.96951	147.0689	140.0524	133.307	124.9893	146.2645
3609.93395	148.6598	141.2443	131.9737	123.9781	148.5074
3610.8984	148.2545	140.5424	133.0032	125.1319	148.5329
3611.86285	147.4803	140.3459	134.7238	126.264	146.7938
3612.8273	147.8564	141.5402	134.2007	124.9902	146.2933
3613.79175	147.7733	141.325	133.4376	124.4597	146.5617
3614.7562	148.2451	141.3119	133.0806	124.5451	147.413
3615.72065	148.7093	141.249	132.4893	124.3307	148.5431
3616.6851	147.9892	140.399	133.72	125.5935	147.9203
3617.64955	147.8162	140.8391	134.7138	125.6832	146.7414
3618.614	147.0886	140.6645	134.6524	124.9754	145.5608
3619.57845	146.3783	140.0549	133.3074	124.2341	145.1106
3620.5429	146.6565	139.76	131.1924	123.1734	146.3946
3621.50735	146.7574	139.1277	130.647	123.607	147.6056
3622.4718	146.5564	138.5117	130.3928	124.0565	148.1763
3623.43625	146.6414	138.4117	130.3974	124.3563	148.5762

3624.40069	147.0951	138.7139	130.7779	124.59	148.9384
3625.36514	147.7608	139.2793	131.8695	125.1303	149.2151
3626.32959	148.6107	140.2183	133.1464	125.378	149.4636
3627.29404	148.1098	140.2415	135.8773	126.7158	147.8705
3628.25849	146.6009	140.338	138.4663	127.411	143.9314
3629.22294	146.8342	141.6838	135.3536	123.9966	143.1935
3630.18739	148.0771	141.495	131.1951	122.2357	147.3327
3631.15184	147.9626	140.2181	130.9432	123.507	149.0743
3632.11629	147.1017	139.1126	131.5988	124.7679	148.667
3633.08074	146.3171	138.7219	132.1237	125.2401	147.4982
3634.04519	146.6905	139.3611	131.165	124.2693	147.7471
3635.00964	147.1717	139.3595	130.4284	124.0191	149.0026
3635.97409	147.0334	138.8849	130.8094	124.7656	149.2878
3636.93854	146.8529	138.812	131.3228	125.1963	148.93
3637.90299	147.1407	139.2306	131.5462	125.1575	148.8946
3638.86744	147.5589	139.501	131.3335	124.9488	149.4235
3639.83189	147.5652	139.304	131.4127	125.1665	149.6855
3640.79633	147.3189	139.1897	131.7334	125.3295	149.2855
3641.76078	147.2494	139.448	131.9256	125.2542	148.875
3642.72523	147.9365	140.168	131.775	124.9179	149.4641
3643.68968	148.8157	140.6097	131.9494	125.1062	150.591
3644.65413	149.4013	140.9192	133.1632	125.9915	150.9826
3645.61858	149.4048	141.3563	135.667	127.1616	149.8452
3646.58303	149.7756	143.0704	138.7217	127.8411	148.0397
3647.54748	150.7104	145.5685	139.0296	126.0311	147.526
3648.51193	149.1935	144.5532	138.7545	125.6916	146.1316
3649.47638	147.609	143.5241	138.3226	125.5595	143.9442
3650.44083	147.5483	143.2868	136.5397	124.5902	144.3325
3651.40528	148.8037	143.1115	133.1985	123.569	147.8887
3652.36973	149.1704	141.7782	131.6201	123.9208	150.4224
3653.33418	149.1427	140.8515	132.1871	125.2598	151.1924
3654.29862	148.6309	140.3047	133.0732	126.1117	150.6094
3655.26307	147.2261	139.729	134.5849	126.976	148.2558
3656.22752	147.1528	140.6436	133.5421	125.5681	147.4417
3657.19197	147.9497	141.0068	130.8432	123.7367	149.417
3658.15642	147.5304	139.8775	130.863	124.6413	149.9902
3659.12087	147.1265	139.2654	131.0862	125.2764	149.7758
3660.08532	147.3263	139.2906	131.1409	125.3161	150.0004
3661.04977	147.687	139.4027	131.2372	125.3654	150.423
3662.01422	147.8973	139.4775	131.3609	125.5574	150.6511
3662.97867	147.9839	139.6267	131.3722	125.6245	150.7489
3663.94312	148.0197	139.7845	131.4442	125.6432	150.8703
3664.90757	148.3612	140.0975	131.6169	125.6939	151.2221
3665.87202	149.0654	140.6031	132.0877	125.8888	151.8632
3666.83647	149.5196	141.0404	133.2748	126.4651	151.9604
3667.80092	149.4627	141.4973	135.7025	127.6585	150.8453
3668.76537	149.6267	142.8983	137.5986	127.7347	149.259
3669.72982	148.9324	143.2456	138.248	127.0665	147.3313
3670.69426	150.024	143.9514	136.0533	125.6395	148.7034
3671.65871	151.9671	144.266	132.9716	124.2291	152.6848
3672.62316	151.5067	142.975	134.1396	126.0908	153.2423
3673.58761	150.2789	142.2416	137.3583	128.4106	150.9168
3674.55206	149.0541	143.1124	141.5578	129.7151	146.2663
3675.51651	149.6461	145.7074	139.5713	126.0275	144.6527

3676.48096	150.7795	145.0412	133.8535	123.2849	149.473
3677.44541	149.9264	142.748	133.1149	124.3924	150.8596
3678.40986	148.5265	141.0811	133.8578	126.0154	150.0412
3679.37431	148.167	140.8382	133.2855	125.9077	149.8605
3680.33876	148.5227	140.7428	131.8315	125.0775	150.9789
3681.30321	148.4058	140.0884	131.4487	125.4433	151.6598
3682.26766	148.2958	139.8763	131.5771	125.9105	151.7143
3683.23211	148.3696	140.0174	131.7277	126.0609	151.637
3684.19656	148.8372	140.4949	131.9836	126.0639	151.8851
3685.161	149.4392	140.9056	132.1023	125.9192	152.5202
3686.12545	149.2691	140.694	132.9502	126.4271	152.1834
3687.0899	148.0549	140.207	135.0862	127.4967	149.8267
3688.05435	148.4745	141.8951	136.8292	127.4656	148.2954
3689.0188	150.3832	144.2351	135.0795	124.8623	149.9359
3689.98325	148.9858	142.5389	135.6813	125.8896	149.1185
3690.9477	148.3997	141.9279	135.0736	126.0473	148.6976
3691.91215	148.9019	141.6991	131.9017	124.4414	150.9092
3692.8766	148.3648	140.3763	131.2946	125.1665	151.773
3693.84105	147.9484	139.671	131.3046	125.7555	151.7471
3694.8055	147.819	139.3347	131.1073	125.7658	151.7665
3695.76995	147.8966	139.2963	131.2654	125.9459	151.8216
3696.7344	148.1124	139.4547	131.0817	125.8171	152.0574
3697.69885	148.3563	139.5207	130.9444	125.753	152.4907
3698.6633	148.6726	139.6581	131.2088	126.0006	152.9174
3699.62774	148.6828	139.8182	131.8943	126.3384	152.7019
3700.59219	147.8448	139.6141	133.3444	127.108	151.1295
3701.55664	147.9203	140.4942	133.6381	126.7624	150.3137
3702.52109	148.8041	141.1279	131.5718	125.0765	151.8382
3703.48554	148.5364	140.1233	131.0836	125.4461	152.6143
3704.44999	148.227	139.6629	131.3892	126.1458	152.5464
3705.41444	148.5396	140.052	131.5879	126.2311	152.6851
3706.37889	149.2735	140.6022	131.8264	126.2279	153.2709
3707.34334	149.4877	140.7296	132.7504	126.7041	153.2021
3708.30779	149.2779	140.9447	134.7821	127.6861	151.9678
3709.27224	150.3753	142.8016	135.93	127.3545	151.6096
3710.23669	150.6232	143.5239	136.0511	126.4217	151.1855
3711.20114	148.6322	142.2106	137.8309	127.611	148.5316
3712.16559	148.8548	143.1022	136.0092	126.102	148.7675
3713.13004	149.7406	143.0328	132.6509	124.4263	151.6334
3714.09449	149.3077	141.7746	132.9008	125.9176	152.1924
3715.05894	149.3597	141.6016	132.804	126.4615	152.6514
3716.02338	149.6158	141.55	132.5293	126.545	153.3902
3716.98783	149.4723	141.1861	132.8597	126.9389	153.3329
3717.95228	149.0682	140.8912	133.4803	127.3084	152.4715
3718.91673	149.5204	141.4757	133.234	126.7282	152.466
3719.88118	149.8839	141.6321	132.5004	125.9523	153.1784
3720.84563	148.7361	140.5898	133.4846	126.822	152.0078
3721.81008	148.2382	140.8122	134.2581	126.9125	150.5784
3722.77453	149.2897	142.1295	132.8742	125.1414	151.578
3723.73898	149.2009	141.5011	132.7416	125.4586	152.2468
3724.70343	148.4071	140.8024	133.5229	126.399	151.3856
3725.66788	147.7891	140.6543	133.5343	126.1811	150.4491
3726.63233	148.1091	140.9037	132.4844	125.5227	150.9095
3727.59678	148.9435	140.9583	131.1712	124.915	152.5287

3728.56123	149.2688	140.5909	131.4399	125.6698	153.5391
3729.52567	149.4668	140.5744	132.3376	126.4997	153.7376
3730.49012	149.1973	140.6953	134.0798	127.3626	152.5427
3731.45457	149.5362	141.9417	136.1227	128.0189	151.237
3732.41902	152.0243	145.0687	136.0676	126.6103	152.7818
3733.38347	151.2154	144.1396	136.7096	126.6612	152.2004
3734.34792	149.2112	142.9226	139.0984	128.1781	148.708
3735.31237	149.1401	144.2518	137.8757	125.7122	147.2128
3736.27682	148.9197	143.6555	135.109	124.4569	148.5565
3737.24127	148.9217	142.8429	133.3717	124.4385	149.8611
3738.20572	149.6592	142.6726	133.3166	125.2036	151.4493
3739.17017	150.2766	142.7638	133.5699	125.8169	152.5517
3740.13462	150.3636	142.7666	134.8149	127.043	152.5401
3741.09907	152.0343	144.3619	135.5366	127.2531	153.6878
3742.06352	153.0413	144.9075	136.0597	127.4246	154.849
3743.02797	150.8431	143.2148	139.2385	129.8104	151.9147
3743.99242	148.9083	143.5663	142.1684	130.8119	147.2872
3744.95687	152.1783	147.8676	136.2961	124.7082	150.2844
3745.92131	153.7159	147.3243	134.8773	124.5566	154.0567
3746.88576	153.2853	146.0766	137.0694	127.1269	153.9339
3747.85021	152.5351	145.5928	139.5907	128.9652	152.4966
3748.81466	152.7186	146.6541	142.3185	130.1923	151.1052
3749.77911	155.0722	149.668	141.1493	127.8911	152.4021
3750.74356	153.0741	147.7818	141.2422	127.8451	150.7092
3751.70801	150.9334	146.2084	141.6127	128.8508	148.2504
3752.67246	152.0355	146.7709	136.1588	125.5839	150.9913
3753.63691	152.2343	145.3553	134.1686	125.4905	153.5574
3754.60136	151.2789	143.6587	134.5924	126.7836	153.5054
3755.56581	150.5477	142.9015	135.4959	127.7991	152.7376
3756.53026	151.1643	143.8511	135.4924	127.4672	152.9919
3757.49471	151.2849	144.1104	135.0763	126.9798	153.3244
3758.45916	149.9458	143.0896	136.4292	128.075	151.5615
3759.42361	149.9549	143.6628	136.5155	127.7477	150.7488
3760.38805	150.9866	144.1696	133.9103	126.0471	152.9315
3761.3525	150.8588	143.1252	133.4	126.7642	154.1641
3762.31695	150.8697	142.8319	133.8141	127.5515	154.4171
3763.2814	150.9684	142.9208	134.2138	127.7589	154.3385
3764.24585	150.3877	142.5916	135.132	128.2106	153.1513
3765.2103	150.1494	142.9278	135.8273	128.3163	152.0978
3766.17475	151.2869	144.1983	134.3966	126.7885	153.4178
3767.1392	151.6159	143.8669	133.9232	126.8658	154.6633
3768.10365	150.556	142.7329	135.1567	128.1419	153.5234
3769.0681	149.4182	142.2937	136.6693	128.8698	151.359
3770.03255	150.0268	143.385	135.3625	127.2886	151.4641
3770.997	150.6528	143.2329	133.2627	126.1163	153.2231
3771.96145	150.2991	142.209	133.0752	126.8793	153.6895
3772.9259	149.9767	141.7609	132.9835	127.2629	153.8008
3773.89035	149.9256	141.6916	132.9446	127.3443	153.9114
3774.8548	150.1206	141.7704	132.9769	127.3759	154.1446
3775.81924	150.4341	141.937	133.2305	127.562	154.4815
3776.78369	150.5967	142.1503	133.731	127.8299	154.4928
3777.74814	150.0745	142.162	134.6275	128.2336	153.3699
3778.71259	149.3974	142.4057	135.7022	128.5676	151.8381
3779.67704	150.1528	143.642	134.6839	127.2729	152.3767

3780.64149	150.7535	143.5173	133.2013	126.4529	153.9574
3781.60594	150.6437	142.7097	133.4876	127.3869	154.4405
3782.57039	150.5708	142.5366	133.8763	127.8055	154.2941
3783.53484	150.1978	142.4225	134.6012	128.1699	153.3526
3784.49929	150.2009	142.7146	134.7478	127.8854	152.6174
3785.46374	150.4434	142.7856	133.8403	127.0771	153.0687
3786.42819	150.2229	142.1878	133.2424	127.1009	153.6547
3787.39264	149.9785	141.82	133.0735	127.3537	153.8139
3788.35709	149.7615	141.6735	132.9595	127.4132	153.7298
3789.32154	149.7412	141.7066	132.9061	127.4438	153.7093
3790.28599	149.9379	141.8078	132.9781	127.4947	153.9614
3791.25043	150.128	141.8684	133.1557	127.6086	154.2318
3792.21488	150.3614	142.0351	133.2748	127.6261	154.455
3793.17933	150.8371	142.3992	133.5232	127.6797	154.8309
3794.14378	151.1248	142.7244	134.2532	128.0292	154.828
3795.10823	150.6203	142.6462	135.8016	128.81	153.5503
3796.07268	150.7488	143.546	136.8463	128.8985	152.5831
3797.03713	152.2575	145.2783	135.7501	127.4697	153.9322
3798.00158	153.0544	145.4241	135.3561	127.4179	155.5353
3798.96603	152.9558	144.9871	136.5182	128.535	155.4961
3799.93048	151.7433	144.3762	139.2718	130.1456	153.0245
3800.89493	150.8654	145.153	141.3548	130.3146	149.8351
3801.85938	151.8744	146.671	137.896	126.8167	150.7425
3802.82383	152.8346	146.1647	135.2508	125.9361	153.6525
3803.78828	152.9424	145.0439	134.7937	126.9001	155.2042
3804.75272	152.217	143.8345	135.5607	128.1992	154.9227
3805.71718	150.5357	142.7282	137.506	129.5299	152.322
3806.68162	149.9315	143.264	137.4864	128.8132	150.4639
3807.64607	151.0434	144.3056	133.8481	125.9328	152.64
3808.61052	150.9297	143.2621	133.2082	126.4967	154.1265
3809.57497	150.5005	142.3948	133.5559	127.5222	154.2416
3810.53942	150.4819	142.1579	133.5445	127.6863	154.3772
3811.50387	150.8878	142.3465	133.7521	127.8584	154.797
3812.46832	151.6438	142.8835	134.2286	128.0967	155.5006
3813.43277	152.2062	143.5023	135.2255	128.5833	155.7827
3814.39722	151.4111	143.5171	137.2812	129.6042	153.966
3815.36167	150.477	144.0776	139.451	130.2469	151.1296
3816.32612	152.5817	146.7128	137.0949	127.2647	152.6492
3817.29057	153.9121	146.5571	135.1416	126.2538	155.7163
3818.25502	153.4716	145.2869	136.5622	128.2063	155.6294
3819.21947	152.7087	144.8428	138.9669	129.8261	153.8216
3820.18392	151.5122	145.1664	142.0465	130.8204	150.3887
3821.14836	151.796	146.7534	140.5074	128.2438	149.3777
3822.11281	152.9889	146.6062	135.5553	125.6038	152.9907
3823.07726	152.5354	144.7535	134.6185	126.5501	154.5542
3824.04171	151.9661	143.7656	135.0129	127.7063	154.6869
3825.00616	151.2817	143.24	135.505	128.2528	154.034
3825.97061	150.5995	143.0468	136.1785	128.587	152.8583
3826.93506	151.1693	143.829	135.4934	127.7642	153.1858
3827.89951	151.9651	144.1127	134.5961	127.3307	154.7292
3828.86396	152.0407	143.7036	134.6677	127.9393	155.4835
3829.82841	151.4115	143.1923	135.463	128.6687	154.7326
3830.79286	150.8612	143.3021	136.8966	129.3462	153.2727
3831.75731	152.1646	144.973	136.3288	128.195	154.0846

3832.72176	152.8399	145.1698	135.3384	127.4478	155.6095
3833.68621	151.7143	143.9322	136.8568	129.0262	154.3995
3834.65065	152.2647	144.8685	137.6205	129.1783	153.8886
3835.6151	154.0265	146.4907	137.1312	128.0037	155.177
3836.57955	153.0257	145.4328	139.4392	129.6685	153.7277
3837.544	152.8093	146.1357	140.9128	130.1107	152.0983
3838.50845	153.6748	147.4595	138.0942	126.9689	152.8148
3839.4729	152.2739	145.8456	138.1062	127.5067	151.9322
3840.43735	152.1736	145.6442	137.646	127.6111	152.0885
3841.4018	152.7395	145.6332	135.731	126.856	154.0467
3842.36625	151.2341	143.7502	135.9518	128.0018	153.5009
3843.3307	150.2601	143.1161	136.3229	128.6154	152.3208
3844.29515	150.8413	143.8077	134.409	127.0496	153.3711
3845.2596	151.1048	143.4232	133.8263	127.2717	154.6628
3846.22405	151.3489	143.2051	134.2189	128.1044	155.3079
3847.1885	151.7666	143.457	134.6766	128.4846	155.6945
3848.15295	152.1367	143.8361	135.4119	128.8077	155.6583
3849.1174	153.1983	144.9251	136.6003	129.2134	155.9232
3850.08185	154.2764	146.0927	138.1343	129.582	156.1773
3851.04629	154.2272	146.4797	141.3828	131.2732	154.9867
3852.01074	154.714	148.4976	144.6378	131.9846	152.8116
3852.97519	153.2172	148.8406	145.9593	130.8463	148.9507
3853.93964	152.3231	147.8758	141.834	128.6506	149.3245
3854.90409	153.7371	147.5906	135.0184	125.0945	154.1743
3855.86854	152.3393	145.2362	135.6434	126.8619	154.0325
3856.83299	151.3722	144.2687	136.0083	127.9593	153.2135
3857.79744	151.7728	144.4043	134.5655	127.1862	154.349
3858.76189	152.1325	143.8815	134.3504	127.6648	155.6627
3859.72634	152.0558	143.4459	135.2296	128.6387	155.6254
3860.69079	151.8292	143.5647	136.6868	129.4989	154.6922
3861.65524	152.7547	145.1134	137.3981	129.3227	154.7497
3862.61969	153.3762	145.9589	137.1067	128.4424	155.3124
3863.58414	151.7799	144.7117	138.5397	129.541	153.4047
3864.54859	151.1443	144.9613	138.9064	129.4678	151.8719
3865.51303	152.9233	146.4657	135.9922	127.1615	154.4362
3866.47748	153.99	146.1113	135.221	127.4715	156.9396
3867.44193	153.5908	145.1988	136.9291	129.33	156.5906
3868.40638	152.2489	144.6557	139.6442	130.878	153.8284
3869.37083	151.6233	145.6843	141.0985	130.4841	150.8822
3870.33528	153.0916	147.3898	137.2886	126.81	152.7893
3871.29973	153.6913	146.515	135.3542	126.4871	155.6155
3872.26418	152.4974	144.776	136.2549	128.2338	155.0376
3873.22863	150.9265	143.6896	137.8125	129.6813	152.7693
3874.19308	151.172	144.6028	136.6496	128.2972	152.4494
3875.15753	151.9937	144.6353	134.069	126.7282	154.7572
3876.12198	151.9544	143.6588	134.1182	127.7435	155.7954
3877.08643	152.3434	143.6495	134.7056	128.5047	156.3599
3878.05088	152.5118	143.8282	135.6278	129.0644	156.2754
3879.01533	151.651	143.6529	137.6987	130.215	154.3299
3879.97977	151.6084	144.75	138.7717	130.1315	152.7459
3880.94423	153.1565	146.4991	136.2353	127.502	154.5359
3881.90867	153.0597	145.4934	135.4341	127.6738	155.8877
3882.87312	152.5846	144.6569	136.1009	128.8124	155.7384
3883.83757	151.9004	144.2258	136.5287	128.9896	154.6477

3884.80202	150.5939	143.3885	137.9282	129.8484	152.4779
3885.76647	151.2057	144.515	136.6594	128.519	152.5129
3886.73092	152.5595	145.2216	133.7769	126.523	155.2573
3887.69537	152.5864	144.2898	134.2684	127.8046	156.3139
3888.65982	152.6212	143.9069	135.0242	128.72	156.3831
3889.62427	151.9777	143.4863	136.3106	129.4201	155.0276
3890.58872	151.0591	143.4359	137.7724	129.8997	152.841
3891.55317	151.7178	144.9435	136.4501	128.1565	152.996
3892.51762	152.0547	144.9203	134.7893	127.1477	154.5503
3893.48207	151.6124	143.8956	135.0022	128.1415	154.9238
3894.44652	151.8173	143.7576	134.7338	128.2615	155.4663
3895.41097	152.445	143.9365	134.8501	128.5462	156.4314
3896.37541	152.8714	144.1321	135.5553	129.1438	156.8577
3897.33986	152.6522	144.2961	136.95	129.8734	155.9762
3898.30431	152.347	144.783	138.5788	130.3073	154.4419
3899.26876	153.5235	146.491	138.1605	129.2482	154.9605
3900.23321	153.8481	146.4464	137.1535	128.3408	155.5915
3901.19766	153.1539	145.4172	138.8174	129.8939	154.5487
3902.16211	153.5787	146.2402	138.2332	128.8265	154.3539
3903.12656	152.5642	145.4376	138.1533	128.6759	153.6372
3904.09101	151.6602	145.0383	137.9495	128.849	152.6254
3905.05546	151.6421	145.0478	136.0192	127.4748	153.1071
3906.01991	151.9311	144.5984	135.1115	127.5547	154.3714
3906.98436	152.0142	143.9693	134.2749	127.8426	155.5049
3907.94881	151.6743	143.3007	134.1658	128.4892	155.8313
3908.91326	151.4367	143.0343	134.166	128.7057	155.7615
3909.8777	151.3173	142.9174	134.1543	128.6881	155.7478
3910.84215	151.3524	142.9264	134.2379	128.7032	155.8522
3911.8066	151.6096	143.0673	134.4271	128.8512	156.0711
3912.77105	152.0346	143.3422	134.6127	128.9654	156.4074
3913.7355	152.4513	143.6742	134.8869	129.067	156.7661
3914.69995	152.3763	143.7251	135.4479	129.3109	156.4627
3915.6644	151.6992	143.5188	136.4254	129.7095	155.059
3916.62885	151.8109	144.116	136.648	129.3122	154.3128
3917.5933	152.5793	144.7978	135.2391	128.0155	155.3238
3918.55775	152.1209	144.0207	135.1834	128.4315	155.448
3919.5222	151.7099	143.6665	135.8067	129.1928	154.8297
3920.48665	152.309	144.2577	134.9363	128.3846	155.5858
3921.4511	152.4758	144.0111	134.6536	128.3603	156.4307
3922.41555	152.1232	143.5353	135.4819	129.1406	155.9991
3923.38	151.7161	143.5467	136.2609	129.3967	154.8524
3924.34445	151.6583	143.9198	136.2873	129.0329	154.1496
3925.3089	152.2323	144.3791	135.1528	128.2047	155.0521
3926.27335	152.5168	144.1298	134.5372	128.2599	156.2448
3927.23779	152.3612	143.6916	134.9572	129.0135	156.4255
3928.20224	152.2679	143.6984	135.5317	129.3527	156.0358
3929.16669	152.4487	144.0913	135.9696	129.2884	155.8097
3930.13114	152.4942	144.3575	136.0292	128.9938	155.6134
3931.09559	151.8268	143.8671	136.2802	129.1601	154.7832
3932.06004	151.5154	143.7986	136.0231	128.9437	154.2538
3933.02449	151.621	143.9129	134.702	127.9563	154.8068
3933.98894	151.6075	143.5312	134.2909	128.1574	155.4619
3934.95339	151.794	143.4126	134.3129	128.5206	155.8915
3935.91784	151.8544	143.2567	134.4084	128.7545	156.1138

3936.88229	151.7552	143.1227	134.5467	128.919	156.039
3937.84674	151.7882	143.2045	134.6203	128.897	155.9555
3938.81119	152.1019	143.4579	134.5897	128.7904	156.1965
3939.77564	152.4384	143.6301	134.7546	128.9316	156.606
3940.74008	152.1906	143.4661	135.2515	129.2359	156.1983
3941.70453	151.5629	143.2215	136.0768	129.6292	155.0048
3942.66898	151.7569	143.7989	135.8427	129.0022	154.6883
3943.63343	152.3719	144.2149	134.8478	128.2183	155.6877
3944.59788	152.5621	144.0112	134.8506	128.7078	156.4674
3945.56233	152.4645	143.8195	135.1762	129.1447	156.5007
3946.52678	152.1708	143.6703	135.7503	129.499	155.9202
3947.49123	152.282	144.0109	135.8558	129.2335	155.5315
3948.45568	152.2484	144.0852	135.6176	128.8485	155.4059
3949.42013	152.0133	143.9042	135.6764	129.0682	155.261
3950.38458	152.2601	144.1144	135.1682	128.7579	155.7105
3951.34903	152.2619	143.8354	134.8112	128.7412	156.2226
3952.31348	152.0471	143.5007	134.9448	129.0986	156.2035
3953.27793	152.1336	143.5258	134.8345	128.9903	156.2329
3954.24238	152.1626	143.4582	134.7401	128.9885	156.374
3955.20683	152.0473	143.3704	134.7764	129.1177	156.325
3956.17128	151.9936	143.4224	134.8428	129.1487	156.1627
3957.13572	152.1636	143.5905	134.8784	129.099	156.2267
3958.10017	152.367	143.6726	134.8844	129.1097	156.437
3959.06462	152.4041	143.6286	134.9176	129.184	156.5345
3960.02907	152.2138	143.5064	135.0351	129.2539	156.3296
3960.99352	151.9318	143.3835	135.2361	129.3236	155.9161
3961.95797	151.9238	143.518	134.9739	129.0022	155.8233
3962.92242	152.0429	143.5072	134.6309	128.7779	156.1422
3963.88687	152.043	143.3558	134.727	129.0882	156.3196
3964.85132	152.0728	143.3285	134.7322	129.167	156.4036
3965.81577	152.1413	143.3089	134.7267	129.176	156.5302
3966.78022	152.2092	143.3394	134.8135	129.25	156.5862
3967.74467	152.2017	143.3707	134.9813	129.3422	156.448
3968.70912	152.2832	143.5143	135.0516	129.325	156.3588
3969.67357	152.4128	143.6578	134.9248	129.1945	156.4838
3970.63802	152.3529	143.5644	134.9323	129.2603	156.5087
3971.60246	152.3142	143.5876	135.1338	129.386	156.4362
3972.56691	152.3947	143.755	135.1711	129.301	156.4728
3973.53136	152.3499	143.7022	135.1458	129.2762	156.4637
3974.49581	152.1451	143.5078	135.0587	129.211	156.2643
3975.46026	152.0069	143.3984	134.8927	129.1196	156.1403
3976.42471	152.1735	143.5234	134.7523	129.0875	156.4133
3977.38916	152.3411	143.5684	134.7779	129.1959	156.7011
3978.35361	152.3903	143.5133	134.8862	129.359	156.7456
3979.31806	152.3925	143.5287	134.9532	129.4134	156.7052
3980.28251	152.2605	143.4826	134.9273	129.3585	156.5987
3981.24696	152.0676	143.3515	134.8723	129.3037	156.3865
3982.21141	152.0626	143.3497	134.773	129.2283	156.3218
3983.17586	152.1803	143.3857	134.7023	129.2076	156.4442
3984.14031	152.2651	143.3816	134.826	129.3167	156.6059
3985.10476	152.328	143.4469	134.9005	129.3962	156.6809
3986.0692	152.4574	143.5676	134.9585	129.455	156.8113
3987.03365	152.5376	143.6306	135.0036	129.4931	156.9299
3987.9981	152.5121	143.6347	135.0851	129.5159	156.8898

3988.96255	152.4088	143.5981	135.2145	129.5419	156.6789
3989.927	152.3886	143.6086	135.2579	129.4887	156.5269
3990.89145	152.4908	143.6636	135.1095	129.3627	156.6508
3991.8559	152.5629	143.6616	135.0401	129.3918	156.8589
3992.82035	152.5343	143.6109	135.1239	129.4981	156.8703
3993.7848	152.4386	143.5442	135.2063	129.5478	156.7115
3994.74925	152.4416	143.6307	135.2123	129.5102	156.6555
3995.7137	152.5243	143.7304	135.0289	129.3378	156.7785
3996.67815	152.5484	143.6912	134.9689	129.3896	156.8988
3997.6426	152.5432	143.6643	135.0192	129.4469	156.9637
3998.60705	152.5201	143.6088	135.039	129.4285	156.96
3999.5715	152.5661	143.6125	135.0616	129.4884	156.9676
4000.53595	152.6572	143.6999	135.1426	129.5805	157.0347

Figure 2. TGA curves of PPAs & Figure 3. DTG curves of PPAs

PPU				PPSA				PPSI				PPST				PPSY			
Time	Temp	DTA	TGA	Time	Temp	DTA	TGA	Time	Temp	DTA	TGA	Time	Temp	DTA	TGA	Time	Temp	DTA	TGA
sec	C	uV	mg	sec	C	uV	mg	sec	C	uV	mg	sec	C	uV	mg	sec	C	uV	mg
0	29.53559	-0.67094	1.00012	0	29.31251	-3.32511	1	0	32.08892	-1.57854	0.99993	0	29.00771	-0.92767	1.0002	0	29.74359	-3.942	0.9999
1	29.55943	-0.66642	1.00019	1	29.32418	-3.32341	0.99992	1	32.13668	-1.58623	0.99983	1	29.03096	-0.94014	1.00027	1	29.75079	-3.93769	0.99992
2	29.54162	-0.65435	1.00021	2	29.3451	-3.32701	1	2	32.13289	-1.59324	0.99983	2	29.06793	-0.94255	1.00017	2	29.75585	-3.92801	1.00002
3	29.54328	-0.65367	1.00012	3	29.35726	-3.32111	1.00006	3	32.1395	-1.59698	0.99993	3	29.04224	-0.95107	1.00006	3	29.72306	-3.92096	1
4	29.55349	-0.65298	1.00008	4	29.32876	-3.32201	0.99994	4	32.12024	-1.60453	0.99993	4	29.05178	-0.9531	1.00014	4	29.74281	-3.92042	0.9999
5	29.58277	-0.65488	1.00015	5	29.34948	-3.32431	0.99986	5	32.16402	-1.6169	0.99986	5	29.06948	-0.97002	1.00022	5	29.74758	-3.91394	0.9999
6	29.57178	-0.64765	1.00017	6	29.3593	-3.33015	0.99991	6	32.17005	-1.63047	0.99986	6	29.11161	-0.97683	1.00014	6	29.76626	-3.9086	0.99998
7	29.56429	-0.65003	1.00006	7	29.38946	-3.32627	1	7	32.17773	-1.6359	1	7	29.09332	-0.98836	1	7	29.73659	-3.8986	1
8	29.58744	-0.64986	1	8	29.36183	-3.32746	0.99994	8	32.16003	-1.64715	1	8	29.11657	-0.9955	1.00003	8	29.75731	-3.90121	0.99992
9	29.62091	-0.65409	1.00004	9	29.388	-3.32979	0.99986	9	32.21451	-1.66155	0.99989	9	29.12844	-1.01005	1.00011	9	29.78543	-3.89383	0.9999
10	29.625	-0.64763	1.00008	10	29.41953	-3.33781	0.99991	10	32.22346	-1.67384	0.99986	10	29.1943	-1.0177	1.00008	10	29.815	-3.88486	0.99998
11	29.6321	-0.65118	1	11	29.45679	-3.32992	1.00005	11	32.25382	-1.68126	0.99993	11	29.18204	-1.01914	0.99994	11	29.79671	-3.86715	1.00002
12	29.66673	-0.64399	0.99996	12	29.43898	-3.32176	1.00005	12	32.2438	-1.68385	0.99993	12	29.21989	-1.01722	0.99991	12	29.82599	-3.85755	0.99991
13	29.7075	-0.63602	1.00005	13	29.48218	-3.31308	0.99991	13	32.29808	-1.69331	0.99975	13	29.241	-1.01992	1.00002	13	29.86812	-3.83487	0.99985
14	29.74028	-0.61604	1.00013	14	29.5101	-3.29843	0.99994	14	32.33398	-1.69186	0.99968	14	29.32107	-1.00694	1.00002	14	29.9011	-3.80512	0.99991
15	29.73843	-0.59723	1.00007	15	29.57227	-3.27848	1.00005	15	32.37533	-1.68726	0.99975	15	29.32107	-0.98779	0.99988	15	29.90723	-3.7606	0.99993
16	29.78533	-0.57113	1.00001	16	29.57042	-3.24384	0.99999	16	32.37153	-1.66874	0.99978	16	29.3773	-0.96346	0.99983	16	29.93457	-3.71844	0.99985
17	29.83261	-0.54076	1.00003	17	29.60982	-3.21049	0.9999	17	32.43526	-1.6587	0.99964	17	29.39481	-0.93439	0.99993	17	29.99051	-3.66544	0.99977
18	29.88193	-0.4922	1.00007	18	29.65671	-3.16906	0.9999	18	32.4911	-1.62915	0.99954	18	29.49356	-0.90259	0.99995	18	30.03565	-3.60348	0.99981
19	29.88836	-0.44596	0.99999	19	29.72024	-3.11917	1.00001	19	32.52963	-1.59842	0.99962	19	29.50524	-0.84874	0.99985	19	30.05676	-3.52553	0.99987
20	29.94877	-0.39294	0.99987	20	29.72705	-3.05439	0.99998	20	32.55113	-1.55262	0.99974	20	29.55641	-0.79898	0.99976	20	30.08245	-3.4491	0.99979
21	29.99674	-0.33278	0.99985	21	29.77784	-2.99015	0.99984	21	32.60542	-1.51185	0.99966	21	29.58803	-0.73965	0.99984	21	30.16242	-3.36487	0.9997
22	30.06523	-0.25828	0.99991	22	29.84283	-2.9173	0.99972	22	32.67371	-1.45489	0.99959	22	29.69135	-0.67583	0.99987	22	30.20445	-3.26988	0.99974
23	30.07778	-0.1781	0.99985	23	29.9048	-2.8376	0.99975	23	32.72323	-1.3935	0.99966	23	29.71139	-0.59481	0.99976	23	30.24209	-3.15818	0.9998
24	30.14247	-0.09783	0.99975	24	29.93953	-2.73819	0.99972	24	32.7604	-1.31735	0.9998	24	29.74404	-0.51686	0.99964	24	30.27663	-3.04776	0.99976
25	30.20882	-0.0064	0.99977	25	29.98049	-2.64046	0.99952	25	32.8032	-1.24526	0.99969	25	29.81724	-0.4273	0.9997	25	30.35563	-2.93071	0.99966
26	30.28656	0.00255	0.99983	26	30.05443	-2.53549	0.9994	26	32.8967	-1.16139	0.99955	26	29.91453	-0.33615	0.99975	26	30.40982	-2.80721	0.99968
27	30.29823	0.20372	0.9998	27	30.13216	-2.42427	0.99945	27	32.95488	-1.07123	0.99954	27	29.95889	-0.22567	0.99969	27	30.46819	-2.6648	0.99976
28	30.37032	0.31144	0.99969	28	30.18061	-2.29542	0.99948	28	33.00352	-0.96576	0.99968	28	30.01882	-0.12053	0.99958	28	30.49067	-2.52129	0.99973
29	30.44426	0.42918	0.99967	29	30.21826	-2.16825	0.99934	29	33.04652	-0.86558	0.99957	29	30.0732	-0.00632	0.9996	29	30.58796	-2.3765	0.99963
30	30.5218	0.55265	0.99972	30	30.30358	-2.0346	0.99925	30	33.15237	-0.75417	0.9994	30	30.18003	0.1127	0.99968	30	30.64895	-2.22153	0.99963
31	30.5643	0.68936	0.99974	31	30.37771	-1.89176	0.99927	31	33.20996	-0.63706	0.99939	31	30.24219	0.25029	0.99963	31	30.71093	-2.0532	0.99969
32	30.62415	0.8227	0.99962	32	30.44387	-1.73928	0.99933	32	33.27836	-0.50712	0.99949	32	30.29483	0.38077	0.99951	32	30.74507	-1.88393	0.99968
33	30.7084	0.9639	0.99958	33	30.48668	-1.58216	0.99924	33	33.31863	-0.37402	0.99949	33	30.36779	0.52391	0.99954	33	30.84713	-1.71167	0.99958
34	30.79703	1.10966	0.99964	34	30.57628	-1.42179	0.99912	34	33.43139	-0.24055	0.99935	34	30.46479	0.66621	0.99958	34	30.91319	-1.53158	0.99956
35	30.84713	1.27351	0.99967	35	30.66296	-1.25411	0.99918	35	33.49969	-0.09814	0.99931	35	30.54651	0.82805	0.99958	35	30.99763	-1.3439	0.99962
36	30.91173	1.43022	0.99959	36	30.74537	-1.07449	0.99923	36	33.57304	0.05858	0.99937	36	30.6402	0.98226	0.99944	36	31.03626	-1.14783	0.99966
37	31.00079	1.59339	0.99955	37	30.78321	-0.89465	0.99914	37	33.61926	0.21434	0.99937	37	30.6761	1.15093	0.99947	37	31.13549	-0.95929	0.99959
38	31.09696	1.76246	0.99962	38	30.88614	-0.70789	0.99902	38	33.74242	0.37263	0.99919	38	30.77942	1.31458	0.99957	38	31.21634	-0.75311	0.99953
39	31.16341	1.94534	0.9997	39	30.97701	-0.51856	0.99902	39	33.81276	0.5392	0.99912	39	30.88069	1.49551	0.9996	39	31.30205	-0.54699	0.99957
40	31.22743	2.1237	0.99966	40	31.0671	-0.31672	0.99913	40	33.90528	0.7145	0.99918	40	30.92769	1.67421	0.99948	40	31.34885	-0.32878	0.99963
41	31.2608	2.30817	0.99962	41	31.11389	-0.11182	0.9991	41	33.9513	0.89552	0.99921	41	31.02264	1.85902	0.99945	41	31.44992	-0.11961	0.99952
42	31.42317	2.49411	0.99967	42	31.22266	0.09224	0.99895	42	34.07281	1.06983	0.99914	42	31.12596	2.04113	0.99955	42	31.54595	0.10749	0.99942
43	31.50966	2.69568	0.99971	43	31.31314	0.30811	0.99895	43	34.16611	1.25932	0.9991	43	31.23482	2.23821	0.99958	43	31.62816	0.33125	0.99944
44	31.5622	2.89307	0.99963	44	31.41559	0.52438	0.999	44	34.26194	1.44901	0.9992	44	31.29154	2.43324	0.99947	44	31.69373	0.56635	0.99944
45	31.67622	3.09512	0.99953	45	31.47035	0.75116	0.999	45	34.31506	1.6513	0.99933	45	31.39301	2.63778	0.99938	45	31.78567	0.79315	0.99935
46	31.77633	3.30094	0.99958	46	31.57261	0.96819	0.99885	46	34.42655	1.84312	0.99925	46	31.4868	2.83566	0.99949	46	31.90163	1.03268	0.99927
47	31.86836	3.51629	0.99964	47	31.68205	1.19878	0.99879	47	34.53172	2.05043	0.99915	47	31.61502	3.04871	0.99954	47	31.99124	1.27273	0.99927
48	31.93695	3.73095	0.99966	48	31.79083	1.4302	0.99884	48	34.62531	2.25562	0.99921	48	31.67058	3.26181	0.99942	48	32.06187	1.52148	0.9993
49	32.05078	3.94554	0.99963	49	31.85309	1.6712	0.99887	49	34.70226	2.47149	0.99928	49	31.78012	3.478	0.99934	49	32.15361	1.76134	0.99928
50	32.1503	4.16459	0.99969	50	31.95903	1.90182	0.99875	50	34.80792	2.6796	0.99916	50	31.88052	3.69278	0.99939	50	32.28631	2.01454	0.9992
51	32.26121	4.38942	0.99984	51	32.07733	2.14722	0.99872	51	34.92739	2.89928	0.99902	51	32.01186	3.91386	0.99944	51	32.36774	2.2672	0.99921
52	32.32036	4.61907	0.99985	52	32.18173	2.39259	0.99882	52	35.02215	3.11802	0.99905	52	32.07247	4.14135	0.9993	52	32.45579	2.52794	0.99929
53	32.43896	4.84183	0.99977	53	32.25907	2.64588	0.99889	53	35.11292	3.34791	0.99918	53	32.19389	4.36471	0.99918	53	32.54432	2.781	

107	39.45167	17.7698	0.99886	107	39.30321	16.59148	0.99824	107	42.16017	16.34105	0.99979	107	39.34465	17.09856	0.99781	107	39.58554	17.02079	0.9991
108	39.58943	17.98169	0.99886	108	39.49545	16.81209	0.99848	108	42.32838	16.54529	0.99799	108	39.47803	17.306	0.99778	108	39.71308	17.25848	0.99895
109	39.73078	18.19764	0.99893	109	39.63117	17.05432	0.99845	109	42.48988	16.76493	0.99819	109	39.62864	17.53232	0.99778	109	39.85979	17.48098	0.99891
110	39.85717	18.40268	0.99895	110	39.76542	17.27138	0.99853	110	42.62803	16.98837	0.99876	110	39.72213	17.72673	0.99776	110	39.98286	17.71385	0.99901
111	40.05281	18.61021	0.99888	111	39.88703	17.51928	0.99881	111	42.7686	17.19414	0.99869	111	39.93218	17.90992	0.99765	111	40.1718	17.92888	0.999
112	40.18668	18.81403	0.99886	112	40.07723	17.73955	0.99877	112	42.92651	17.38892	0.99837	112	40.07908	18.09295	0.99745	112	40.3184	18.16114	0.99894
113	40.33621	19.02233	0.99891	113	40.22803	17.96282	0.99834	113	43.11223	17.9515	0.99795	113	40.23367	18.28057	0.99766	113	40.45743	18.37873	0.99891
114	40.45919	19.22184	0.99895	114	40.37338	18.18079	0.99847	114	43.23884	17.79433	0.99788	114	40.34604	18.48775	0.99801	114	40.58799	18.60306	0.99891
115	40.65279	19.42001	0.99899	115	40.50267	18.39721	0.99858	115	43.3929	18.00174	0.99766	115	40.54791	18.65801	0.99827	115	40.76866	18.81419	0.99886
116	40.78656	19.61755	0.99886	116	40.68382	18.61368	0.99829	116	43.53698	18.18869	0.99724	116	40.68868	18.85379	0.99845	116	40.92996	19.03196	0.99872
117	40.94455	19.81815	0.99893	117	40.83958	18.82828	0.99803	117	43.72709	18.38589	0.99713	117	40.84512	19.05935	0.99831	117	41.05877	19.24343	0.99857
118	41.05955	20.01327	0.99897	118	40.98483	19.03219	0.99778	118	43.85989	18.58161	0.99726	118	40.96683	19.26938	0.99863	118	41.20607	19.45837	0.99849
119	41.25734	20.20187	0.99888	119	41.12317	19.25001	0.99776	119	44.00912	18.78149	0.99753	119	41.15898	19.46956	0.99876	119	41.37807	19.65683	0.99844
120	41.40395	20.39272	0.99882	120	41.29887	19.46025	0.99744	120	44.1465	18.97306	0.99772	120	41.2909	19.65873	0.99883	120	41.54579	19.86627	0.9983
121	41.55659	20.58338	0.99886	121	41.46524	19.67228	0.99707	121	44.34711	19.16154	0.99781	121	41.46485	19.8612	0.99856	121	41.67908	20.06577	0.99817
122	41.6818	20.77329	0.99889	122	41.60446	19.8716	0.99698	122	44.48438	19.35002	0.99797	122	41.57868	20.05214	0.99841	122	41.82997	20.27189	0.99817
123	41.87813	20.95004	0.99881	123	41.74932	20.08087	0.99714	123	44.64092	19.54459	0.99817	123	41.77958	20.22303	0.99846	123	41.98924	20.46054	0.9982
124	42.01968	21.13567	0.99873	124	41.91033	20.27167	0.99738	124	44.77187	19.73035	0.99823	124	41.9294	20.40212	0.99828	124	42.17388	20.66091	0.99816
125	42.18303	21.31356	0.99878	125	42.10306	20.46855	0.99746	125	44.98648	19.90899	0.99805	125	42.08244	20.56295	0.9982	125	42.29676	20.85412	0.99807
126	42.30386	21.4979	0.99885	126	42.22778	20.6576	0.99757	126	45.11811	20.09006	0.99797	126	42.21621	20.74175	0.99833	126	42.45281	21.05089	0.99805
127	42.49153	21.66556	0.99879	127	42.3887	20.85226	0.9977	127	45.2835	20.26603	0.99796	127	42.40543	20.90784	0.99832	127	42.61052	21.23421	0.9981
128	42.6505	21.8428	0.99873	128	42.53648	21.03585	0.99772	128	45.41231	20.44619	0.99789	128	42.56566	21.07748	0.99829	128	42.80596	21.42559	0.99808
129	42.80344	22.01263	0.99874	129	42.72726	21.22519	0.99763	129	45.61827	20.61093	0.99771	129	42.71957	21.24228	0.99823	129	42.92106	21.61198	0.99799
130	42.93711	22.18871	0.99881	130	42.86356	21.40907	0.99757	130	45.76255	20.7841	0.99756	130	42.85441	21.41787	0.99814	130	43.09287	21.80085	0.99799
131	43.1168	22.34889	0.99879	131	43.027	21.60082	0.99759	131	45.92151	20.9533	0.99773	131	43.03537	21.5826	0.99816	131	43.23724	21.97819	0.99804
132	43.28851	22.51873	0.99869	132	43.16583	21.77602	0.99758	132	46.05315	21.12647	0.99796	132	43.20495	21.75034	0.99799	132	43.44009	22.15998	0.99806
133	43.43814	22.67971	0.99868	133	43.37627	21.95553	0.99749	133	46.26378	21.28169	0.99798	133	43.35204	21.91188	0.99801	133	43.56656	22.33886	0.99797
134	43.58339	22.84819	0.99875	134	43.5005	22.13541	0.9974	134	46.40684	21.4512	0.99787	134	43.49749	22.07983	0.99806	134	43.73964	22.51736	0.99793
135	43.75073	23.02023	0.99877	135	43.66852	22.31291	0.99745	135	46.56556	21.60706	0.99786	135	43.67406	22.22865	0.99797	135	43.87691	22.68805	0.99798
136	43.93081	23.16273	0.99869	136	43.81007	22.48174	0.99752	136	46.70546	21.77118	0.99802	136	43.85337	22.39216	0.99799	136	44.08734	22.86002	0.99797
137	44.07995	23.31557	0.99868	137	44.01798	22.65227	0.99743	137	46.89576	21.91776	0.99794	137	43.99142	22.54334	0.99809	137	44.20533	23.03397	0.99787
138	44.22559	23.47733	0.99875	138	44.14796	22.82162	0.99734	138	47.06728	22.07661	0.9977	138	44.15253	22.69536	0.99822	138	44.38155	23.20194	0.99783
139	44.38271	23.62178	0.99878	139	44.32473	22.98801	0.99736	139	47.21836	22.22475	0.99769	139	44.32288	22.83732	0.99818	139	44.52553	23.36719	0.99788
140	44.58011	23.77663	0.9987	140	44.45111	23.15255	0.99746	140	47.36109	22.37853	0.99771	140	44.50082	22.98852	0.99796	140	44.73013	23.53113	0.99789
141	44.71592	23.92442	0.99868	141	44.67214	23.31357	0.99746	141	47.54739	22.51416	0.99773	141	44.64626	23.13003	0.9979	141	44.85611	23.69622	0.99783
142	44.87976	24.07555	0.99871	142	44.80436	23.48013	0.99731	142	47.72348	22.66557	0.99766	142	44.81214	23.27559	0.99789	142	45.03084	23.85655	0.99777
143	45.02792	24.2145	0.99875	143	44.9749	23.63763	0.99727	143	47.8701	22.79445	0.99758	143	44.96225	23.41004	0.99791	143	45.16029	24.01784	0.99784
144	45.23252	24.36028	0.99866	144	45.11101	23.7977	0.99741	144	48.2008	22.94033	0.99768	144	45.16656	23.55479	0.99769	144	45.37943	24.16835	0.99789
145	45.37301	24.50225	0.9986	145	45.32621	23.95015	0.99743	145	48.19163	23.06642	0.9977	145	45.2942	23.69572	0.99768	145	45.52399	24.33062	0.99783
146	45.53985	24.64546	0.99867	146	45.4629	24.11024	0.99734	146	48.37979	23.20095	0.99755	146	45.4629	23.87349	0.99778	146	45.68092	24.47843	0.99776
147	45.67762	24.77883	0.99871	147	45.63121	24.2575	0.99733	147	48.52699	23.32884	0.99744	147	45.61626	23.96773	0.99793	147	45.83639	24.62953	0.9978
148	45.8932	24.91472	0.99864	148	45.77403	24.41204	0.99743	148	48.69169	23.45258	0.99747	148	45.8216	24.10579	0.99793	148	46.03807	24.7758	0.99785
149	46.02961	25.04915	0.99858	149	45.97989	24.55342	0.99748	149	48.84609	23.56404	0.99756	149	45.9508	24.23676	0.99792	149	46.18205	24.92817	0.99777
150	46.1982	25.18432	0.99863	150	46.13244	24.70711	0.99739	150	49.04086	23.68089	0.99745	150	46.13467	24.36875	0.99799	150	46.3382	25.0695	0.99768
151	46.33615	25.31334	0.99869	151	46.29024	24.84802	0.9973	151	49.18028	23.79312	0.99737	151	46.28197	24.49403	0.99812	151	46.4989	25.21432	0.99768
152	46.55399	25.44226	0.99862	152	46.43811	24.99201	0.99735	152	49.34547	23.90162	0.99746	152	46.48948	24.62031	0.99809	152	46.6932	25.35098	0.99775
153	46.68824	25.57244	0.99854	153	46.643	25.12319	0.99739	153	49.49266	23.99882	0.99759	153	46.6218	24.74542	0.998	153	46.84954	25.49746	0.99773
154	46.86248	25.7003	0.99857	154	46.80275	25.26859	0.99733	154	49.69899	24.09552	0.99755	154	46.79555	24.87038	0.99794	154	47.00355	25.63034	0.99766
155	46.99869	25.8247	0.99863	155	46.95248	25.40039	0.99729	155	49.83045	24.1831	0.99747	155	46.9372	24.98879	0.99796	155	47.16466	25.76709	0.99766
156	47.21759	25.94467	0.9986	156	47.11748	25.53781	0.99743	156	50.00051	24.26935	0.99753	156	47.16009	25.10589	0.99795	156	47.36284	25.89475	0.99773
157	47.35943	26.06781	0.99852	157	47.30583	25.66152	0.99759	157	50.13448	24.33898	0.99766	157	47.28209	25.22421	0.99784	157	47.52881	26.03362	0.99773
158	47.53095	26.18621	0.99855	158	47.47871	25.79704	0.99758	158	50.34822	24.40504	0.99758	158	47.46363	25.33525	0.9978	158	47.67182	26.15881	0.99764
159	47.66589	26.30827	0.99863	159	47.62357	25.92209	0.99752	159	50.48472	24.46349	0.99747	159	47.60829	25.44721	0.9979	159	47.8		

220	57.64053	23.12064	0.99818	220	57.49538	18.2891	0.99678	220	60.55529	12.38668	0.99691	220	57.55726	17.79173	0.99727	220	58.0077	26.28925	0.99718
221	57.78257	22.36751	0.99821	221	57.65279	17.61257	0.99669	221	60.69762	12.74546	0.99676	221	57.7206	17.32482	0.99729	221	58.17786	25.93673	0.99712
222	57.95945	21.59174	0.99825	222	57.8354	16.95286	0.99668	222	60.89531	13.11536	0.99668	222	57.88113	16.86801	0.99737	222	58.33508	25.57663	0.99717
223	58.06734	20.78877	0.99818	223	58.00235	16.30845	0.99676	223	61.06887	13.48198	0.99681	223	58.01607	16.41064	0.99733	223	58.46875	25.15668	0.99723
224	58.22212	19.97071	0.99816	224	58.13875	15.69117	0.99684	224	61.28563	13.85883	0.99684	224	58.21025	15.95998	0.99724	224	58.614	24.71282	0.99718
225	58.36923	19.13077	0.99821	225	58.29684	15.08951	0.99674	225	61.43087	14.23417	0.99672	225	58.37127	15.51795	0.99724	225	58.79534	24.24995	0.99712
226	58.55573	18.29787	0.99827	226	58.48315	14.51204	0.99665	226	61.62672	14.61033	0.99668	226	58.53675	15.0929	0.99737	226	58.94575	23.76066	0.99717
227	58.65865	17.46761	0.9982	227	58.66011	13.96541	0.99673	227	61.78967	14.98144	0.9968	227	58.66994	14.67624	0.99738	227	59.07631	23.25372	0.99723
228	58.82697	16.64914	0.99816	228	58.80906	13.45866	0.99678	228	62.01237	15.34581	0.99683	228	58.86802	14.27434	0.99729	228	59.2204	22.70985	0.99718
229	58.97727	15.82256	0.99821	229	58.95703	12.97695	0.99666	229	62.16229	15.716	0.99668	229	59.02864	13.88981	0.99726	229	59.40369	22.154	0.99712
230	59.15978	15.02073	0.99825	230	59.15278	12.53562	0.99656	230	62.34908	16.07663	0.99666	230	59.20473	13.53087	0.99736	230	59.54767	21.5732	0.99711
231	59.27634	14.24137	0.99821	231	59.32323	12.13183	0.99658	231	62.51894	16.42379	0.99669	231	59.33471	13.1961	0.99741	231	59.69098	20.97943	0.99719
232	59.4425	13.47332	0.99814	232	59.48307	11.77796	0.99666	232	62.73667	16.76455	0.99675	232	59.53318	12.87947	0.99729	232	59.81901	20.35994	0.99718
233	59.57598	12.72118	0.9982	233	59.63533	11.46047	0.99659	233	62.8937	17.10923	0.99664	233	59.70781	12.5973	0.9972	233	60.00639	19.72318	0.9971
234	59.76511	11.98193	0.99827	234	59.84129	11.18881	0.99647	234	63.07758	17.4373	0.99653	234	59.88137	12.3455	0.99728	234	60.14998	19.07317	0.99711
235	59.88448	11.26768	0.99822	235	60.01261	10.96311	0.99649	235	63.24335	17.76277	0.99655	235	60.02575	12.13067	0.99733	235	60.28891	18.41584	0.99721
236	60.04297	10.55711	0.99818	236	60.19308	10.79193	0.99663	236	63.45923	18.07695	0.99668	236	60.2318	11.97577	0.99723	236	60.41966	17.74153	0.99726
237	60.19483	9.86037	0.99821	237	60.33892	10.66447	0.99659	237	63.6221	18.393	0.9966	237	60.40128	11.79393	0.9972	237	60.61531	17.06031	0.9972
238	60.38143	9.17623	0.99828	238	60.53314	10.58119	0.99647	238	63.79527	18.69321	0.99645	238	60.58602	11.674	0.99733	238	60.75113	16.37992	0.99717
239	60.51044	8.51295	0.99824	239	60.73498	10.54578	0.99646	239	63.97087	18.99251	0.99648	239	60.73459	11.60202	0.99743	239	60.90844	15.70501	0.99727
240	60.67291	7.85798	0.99816	240	60.91788	10.56811	0.99651	240	64.17479	19.2762	0.99646	240	60.9314	11.55153	0.99736	240	61.03812	15.03245	0.9973
241	60.82478	7.2269	0.99816	241	61.07373	10.629	0.9965	241	64.34757	19.56895	0.99663	241	61.12101	11.54826	0.99728	241	61.23864	14.36849	0.99724
242	61.02149	6.61789	0.99821	242	61.29331	10.73477	0.99638	242	64.51461	19.84157	0.99648	242	61.30255	11.57611	0.99732	242	61.39177	13.72138	0.99717
243	61.17326	6.0474	0.99818	243	61.46697	10.88238	0.99634	243	64.69577	20.11284	0.9965	243	61.45364	11.64655	0.99734	243	61.55502	13.10049	0.99721
244	61.33086	5.5074	0.99821	244	61.66193	11.07734	0.99645	244	64.89121	20.37114	0.9966	244	61.64783	11.73534	0.99731	244	61.68295	12.50297	0.99726
245	61.5019	5.01139	0.99812	245	61.81322	11.30916	0.99647	245	65.07791	20.63135	0.99659	245	61.85252	11.8662	0.99719	245	61.89485	11.92796	0.99719
246	61.7026	4.56076	0.99819	246	62.02735	11.56771	0.99638	246	65.2362	20.88051	0.99641	246	62.01791	12.02254	0.99721	246	62.05478	11.39678	0.99715
247	61.85836	4.17351	0.99822	247	62.21444	11.86029	0.99634	247	65.41473	21.12468	0.99636	247	62.19225	12.21305	0.99728	247	62.22504	10.90043	0.99719
248	62.02599	3.83503	0.99816	248	62.40346	12.17887	0.99641	248	65.61737	21.35572	0.99649	248	62.37622	12.41895	0.99727	248	62.3627	10.45273	0.99722
249	62.2083	3.55847	0.99814	249	62.55212	12.52149	0.99649	249	65.80893	21.59264	0.99648	249	62.58549	12.65549	0.99713	249	62.57352	10.03518	0.99715
250	62.40298	3.3404	0.9982	250	62.76907	12.86995	0.99637	250	65.94991	21.81494	0.99633	250	62.75516	12.90773	0.9971	250	62.73651	9.67476	0.99709
251	62.58384	3.19376	0.99822	251	62.95674	13.24103	0.99628	251	66.13923	22.03741	0.99629	251	62.92522	13.1884	0.99717	251	62.91929	9.35541	0.9971
252	62.74621	3.09873	0.99813	252	63.14451	13.61655	0.99635	252	66.32825	22.24487	0.99635	252	63.10267	13.4709	0.99716	252	63.05996	9.09281	0.99716
253	62.93854	3.06589	0.99811	253	63.30027	14.00227	0.99643	253	66.52925	22.45902	0.99641	253	63.32128	13.77479	0.99702	253	63.274	8.85944	0.99709
254	63.14246	3.08787	0.99814	254	63.50321	14.38686	0.99636	254	66.7529	22.68882	0.99626	254	63.48005	14.08647	0.99695	254	63.45281	8.68883	0.99701
255	63.33442	3.17489	0.99817	255	63.69214	14.77912	0.99624	255	66.8574	22.86246	0.99618	255	63.6614	14.41174	0.99706	255	63.62594	8.55714	0.997
256	63.49455	3.30685	0.99809	256	63.87796	15.16374	0.99629	256	67.03748	23.04836	0.99627	256	63.85273	14.7327	0.99707	256	63.78622	8.47734	0.99706
257	63.6902	3.49115	0.99803	257	64.03372	15.55545	0.99639	257	67.25259	23.23769	0.99636	257	64.05123	15.06569	0.99698	257	63.99208	8.4309	0.99703
258	63.88905	3.72022	0.99806	258	64.22897	15.92987	0.99636	258	67.38733	23.425	0.99625	258	64.2103	15.39783	0.99698	258	64.18432	8.43816	0.99694
259	64.09005	3.9997	0.99811	259	64.43415	16.31141	0.99626	259	67.57704	23.60265	0.99618	259	64.39777	15.73564	0.9971	259	64.35973	8.48361	0.99693
260	64.25155	4.31136	0.99803	260	64.60568	16.68138	0.99628	260	67.75917	23.77293	0.99627	260	64.55684	16.06245	0.9972	260	64.526	8.57919	0.99701
261	64.44739	4.64646	0.99793	261	64.77671	17.05246	0.99642	261	67.96267	23.94514	0.99639	261	64.78644	16.39388	0.99712	261	64.7234	8.70023	0.997
262	64.64041	5.04421	0.99796	262	64.96048	17.40495	0.99641	262	68.10785	24.11084	0.99628	262	64.93928	16.72067	0.99705	262	64.92516	8.87149	0.99696
263	64.84802	5.46031	0.99799	263	65.16411	17.76033	0.99631	263	68.30029	24.26917	0.99617	263	65.12208	17.04639	0.99713	263	65.09581	9.0717	0.99693
264	64.99414	5.89471	0.99795	264	65.33806	18.10463	0.9963	264	68.46538	24.42495	0.99626	264	65.2866	17.36087	0.99725	264	65.27385	9.31552	0.99701
265	65.20293	6.34382	0.99788	265	65.51192	18.44782	0.99638	265	68.67533	24.57233	0.99638	265	65.51435	17.67651	0.99719	265	65.4621	9.57452	0.99702
266	65.39819	6.80805	0.9979	266	65.68391	18.77145	0.9964	266	68.82398	24.72665	0.99631	266	65.66213	17.98486	0.9971	266	65.64869	9.87175	0.99695
267	65.60803	7.28787	0.99797	267	65.8996	19.09617	0.99628	267	68.9959	24.8678	0.99616	267	65.85748	18.2892	0.99715	267	65.84162	10.18755	0.99691
268	65.75883	7.774	0.99794	268	66.06937	19.40844	0.99624	268	69.17355	25.00675	0.99619	268	66.00633	18.58598	0.99725	268	66.02822	10.53095	0.99696
269	65.96178	8.2607	0.9979	269	66.2372	19.7094	0.99632	269	69.38223	25.13702	0.99631	269	66.23573	18.87533	0.99716	269	66.20713	10.8804	0.99699
270	66.14759	8.74876	0.99791	270	66.40628	20.0136	0.99634	270	69.53263	25.27052	0.99627	270	66.3915	19.16173	0.99702	270	66.42778	11.25042	0.99693
271	66.35783	9.23704	0.99798	271	66.63121	20.30711	0.99622	271	69.70396	25.4001	0.99609	271	66.57887	19.43876	0.99698	271	66.58918	11.62743	0.99686
272	66.50687	9.72695	0.99794	272	66.78657	20.59055	0.99613	272	69.88258	25.52399	0.99605	272	66.72762	19.71048	0.997	272	66.77471	12.01728	0.99694
273	66.69455	10.20441	0.9978																

333	77.47911	25.65492	0.99727	333	77.60471	28.94565	0.99538	333	80.59933	28.96417	0.99528	333	77.53837	27.73962	0.99598	333	77.73167	26.33954	0.99642
334	77.63419	25.76035	0.9973	334	77.79794	28.99453	0.99528	334	80.78535	28.9779	0.9952	334	77.71669	27.78454	0.99605	334	77.91506	26.4349	0.99644
335	77.85971	25.86164	0.99722	335	77.94814	29.04416	0.99527	335	80.96767	28.98868	0.99529	335	77.88489	27.83488	0.99616	335	78.11314	26.52726	0.99649
336	78.01332	25.96114	0.99718	336	78.15829	29.09137	0.99535	336	81.11059	29.00555	0.99539	336	78.04572	27.87695	0.99609	336	78.25995	26.6259	0.99648
337	78.19292	26.06213	0.99725	337	78.31375	29.14451	0.99531	337	81.29173	29.00045	0.99527	337	78.2329	27.91927	0.99603	337	78.43555	26.7131	0.9964
338	78.33865	26.15861	0.9973	338	78.47739	29.18942	0.99519	338	81.483	29.0191	0.99523	338	78.41279	27.95737	0.99607	338	78.6132	26.79826	0.99639
339	78.55454	26.24795	0.99724	339	78.65717	29.23394	0.99515	339	81.65822	29.02832	0.99528	339	78.58314	28.00311	0.99618	339	78.81216	26.87805	0.99645
340	78.71292	26.33731	0.99719	340	78.84971	29.27474	0.99526	340	81.81038	29.04129	0.99538	340	78.7279	28.04107	0.99612	340	78.97083	26.96696	0.99644
341	78.89465	26.42931	0.99727	341	79.01043	29.32251	0.99528	341	81.98569	29.04389	0.99527	341	78.92919	28.07544	0.99603	341	79.13564	27.0454	0.99638
342	79.03047	26.51512	0.99732	342	79.17232	29.36048	0.99519	342	82.17812	29.05152	0.99515	342	79.10207	28.11042	0.99602	342	79.31056	27.1226	0.99635
343	79.25336	26.59079	0.99725	343	79.34714	29.40097	0.99518	343	82.36034	29.05655	0.99521	343	79.27583	28.15032	0.99615	343	79.51019	27.19373	0.99642
344	79.40746	26.67453	0.99721	344	79.5462	29.43451	0.99531	344	82.51221	29.06763	0.99527	344	79.42254	28.18183	0.99611	344	79.66557	27.27524	0.99642
345	79.58589	26.7511	0.99726	345	79.71587	29.47912	0.99533	345	82.67293	29.06794	0.99519	345	79.62548	28.21388	0.99597	345	79.82609	27.34294	0.99635
346	79.73007	26.83114	0.99733	346	79.86597	29.51112	0.99521	346	82.87977	29.07118	0.99505	346	79.79496	28.24286	0.99593	346	80.01298	27.41026	0.99633
347	79.94274	26.89723	0.99731	347	80.04898	29.54691	0.99512	347	83.05196	29.07324	0.99507	347	79.97368	28.27689	0.99601	347	80.20094	27.4749	0.99636
348	80.10404	26.97079	0.99725	348	80.24551	29.57678	0.99522	348	83.21249	29.07866	0.9952	348	80.11086	28.31019	0.99603	348	80.36788	27.54401	0.9964
349	80.28587	27.03713	0.99724	349	80.41478	29.61389	0.99527	349	83.37331	29.07686	0.99512	349	80.31409	28.33776	0.99591	349	80.52628	27.6042	0.99629
350	80.42636	27.11224	0.99729	350	80.56529	29.64245	0.99515	350	83.57829	29.07622	0.99501	350	80.48347	28.36121	0.99588	350	80.71258	27.66423	0.99622
351	80.63514	27.16696	0.99725	351	80.74945	29.67138	0.99503	351	83.74612	29.07459	0.99503	351	80.66267	28.3889	0.99598	351	80.90083	27.7202	0.99628
352	80.80919	27.23372	0.99717	352	80.93381	29.69739	0.99514	352	83.9189	29.07733	0.99516	352	80.80306	28.41732	0.99603	352	81.07858	27.7841	0.99633
353	80.97341	27.29397	0.99714	353	81.11642	29.73035	0.99524	353	84.06142	29.07635	0.99515	353	81.00746	28.43486	0.99593	353	81.21858	27.83836	0.99627
354	81.13053	27.35817	0.99718	354	81.25739	29.75691	0.99512	354	84.23731	29.07192	0.995	354	81.17207	28.46049	0.99587	354	81.41247	27.88853	0.9962
355	81.329	27.40884	0.99715	355	81.44214	29.77925	0.99503	355	84.44688	29.06746	0.99499	355	81.35429	28.48049	0.99592	355	81.59469	27.93828	0.99622
356	81.50508	27.4677	0.99707	356	81.62796	29.79812	0.99505	356	84.61305	29.07237	0.99512	356	81.50041	28.5072	0.99597	356	81.77282	27.99341	0.99625
357	81.6696	27.51961	0.99702	357	81.81514	29.8281	0.99513	357	84.76093	29.06749	0.99511	357	81.69178	28.5193	0.99588	357	81.91856	28.0409	0.99618
358	81.82886	27.57448	0.9971	358	81.95144	29.84724	0.99506	358	84.97457	29.06226	0.9949	358	81.87362	28.54206	0.99579	358	82.11362	28.08674	0.99612
359	82.01556	27.61857	0.99709	359	82.14739	29.86643	0.99494	359	85.13451	29.05778	0.99485	359	82.04601	28.5584	0.99583	359	82.25833	28.12885	0.99609
360	82.20361	27.67121	0.99701	360	82.3224	29.88267	0.99493	360	85.3144	29.05611	0.99495	360	82.19019	28.58062	0.99594	360	82.4736	28.17678	0.99613
361	82.36103	27.71555	0.99696	361	82.51572	29.90333	0.99501	361	85.46306	29.05302	0.99501	361	82.38204	28.589	0.99584	361	82.6132	28.22007	0.9961
362	82.52729	27.76676	0.99702	362	82.65552	29.92225	0.99497	362	85.66512	29.04576	0.99486	362	82.56951	28.60807	0.99573	362	82.80661	28.2558	0.99604
363	82.71088	27.8	0.99705	363	82.84027	29.93226	0.99488	363	85.83576	29.04374	0.99478	363	82.73734	28.62018	0.99575	363	82.99097	28.29386	0.99603
364	82.90555	27.84737	0.99699	364	83.02366	29.94954	0.9949	364	86.01896	29.03987	0.99491	364	82.8927	28.63851	0.99582	364	83.17454	28.33445	0.99609
365	83.05615	27.88599	0.99692	365	83.21842	29.9664	0.995	365	86.1535	29.03894	0.99497	365	83.07376	28.64531	0.99573	365	83.31153	28.37344	0.9961
366	83.23225	27.93079	0.99698	366	83.34645	29.98386	0.99503	366	86.36511	29.02759	0.99485	366	83.26357	28.65891	0.99562	366	83.51233	28.39956	0.99605
367	83.39909	27.96424	0.99701	367	83.53822	29.99366	0.9949	367	86.54121	29.02655	0.99478	367	83.4344	28.66724	0.99561	367	83.69086	28.43656	0.99603
368	83.60232	28.00201	0.99691	368	83.72024	30.00859	0.99487	368	86.7168	29.02025	0.99487	368	83.58413	28.68575	0.99571	368	83.87142	28.46881	0.99612
369	83.7506	28.0358	0.99686	369	83.90839	30.01886	0.99494	369	86.85875	29.02104	0.99496	369	83.75993	28.68821	0.9957	369	84.01643	28.50455	0.99616
370	83.92318	28.07439	0.99692	370	84.05199	30.03483	0.99497	370	87.06373	29.0077	0.99488	370	83.96442	28.70153	0.99559	370	84.19831	28.52762	0.99611
371	84.09119	28.09669	0.99697	371	84.23304	30.04111	0.99484	371	87.23807	29.00509	0.99477	371	84.11883	28.70863	0.99561	371	84.38676	28.5588	0.99607
372	84.30329	28.13289	0.9969	372	84.41789	30.04662	0.99481	372	87.41563	29.00967	0.99483	372	84.28354	28.72248	0.99571	372	84.56712	28.58539	0.99614
373	84.44075	28.1624	0.99684	373	84.60945	30.0553	0.99488	373	87.57078	29.00985	0.99496	373	84.457	28.72229	0.99575	373	84.71151	28.61679	0.99614
374	84.62589	28.19346	0.99689	374	84.75918	30.06683	0.99496	374	87.75555	29.00942	0.99484	374	84.65449	28.73284	0.99564	374	84.89412	28.63508	0.99603
375	84.78574	28.21703	0.99698	375	84.92953	30.06854	0.99487	375	87.94205	29.00730	0.9947	375	84.81162	28.73653	0.9956	375	85.09132	28.66804	0.99596
376	84.99783	28.24678	0.99694	376	85.12479	30.07279	0.9948	376	88.10783	29.00915	0.99472	376	84.98041	28.74806	0.99573	376	85.26381	28.68188	0.996
377	85.14366	28.27296	0.99688	377	85.30594	30.07723	0.99488	377	88.263	29.00673	0.99485	377	85.14006	28.74682	0.99578	377	85.41898	28.70922	0.99605
378	85.3285	28.30157	0.99691	378	85.45897	30.08564	0.99496	378	88.44045	29.00476	0.99474	378	85.35759	28.75506	0.99566	378	85.59634	28.72512	0.99599
379	85.47794	28.32163	0.997	379	85.63058	30.08667	0.99483	379	88.63444	29.00429	0.99462	379	85.50596	28.75726	0.9956	379	85.78444	28.74665	0.9959
380	85.7018	28.34642	0.99699	380	85.82661	30.08822	0.99474	380	88.79575	29.00301	0.99465	380	85.67971	28.76326	0.99565	380	85.96175	28.76442	0.99595
381	85.84102	28.37014	0.99693	381	85.99804	30.0894	0.99476	381	88.95773	29.00257	0.99481	381	85.83956	28.7604	0.99574	381	86.11955	28.78769	0.99601
382	86.02402	28.39147	0.99693	382	86.16635	30.09798	0.99487	382	89.11787	29.00768	0.9948	382	86.05651	28.76435	0.99566	382	86.28572	28.79942	0.99592
383	86.17121	28.40941	0.99702	383	86.3224	30.09792	0.9948	383	89.32792	29.00776	0.99466	383	86.19943	28.76584	0.99554	383	86.48935	28.81638	0.99582
384	86.39177	28.42739	0.99703	384	86.53304	30.09632	0.99471	384	89.48095	28.8848	0.99465	384	86.37834	28.77011	0.99559	384	86.65989	28.83133	0.99585
385	86.53876	28.45009	0.99697	385	86.70766	30.09577	0.9947	385	89.64634	28.87546	0.99481	385	86.52923	28.76667	0.99566	385	86.81828	28.85186</	

446	97.07555	28.37714	0.99668	446	97.29172	29.42827	0.99376	446	100.2019	27.71915	0.99381	446	97.07379	28.06648	0.99484	446	97.37947	28.56828	0.99535
447	97.22945	28.36451	0.99661	447	97.47277	29.40586	0.99377	447	100.3616	27.69874	0.99399	447	97.26506	28.04596	0.99494	447	97.53756	28.55301	0.99544
448	97.41245	28.35213	0.99659	448	97.62124	29.3893	0.99381	448	100.5612	27.67141	0.99396	448	97.40652	28.03411	0.99496	448	97.74683	28.53458	0.99547
449	97.60528	28.33918	0.99666	449	97.8345	29.36548	0.99382	449	100.7296	27.65591	0.99381	449	97.57307	28.01453	0.99482	449	97.89917	28.52358	0.99539
450	97.76571	28.335	0.99671	450	97.98674	29.351	0.99373	450	100.8916	27.6295	0.99373	450	97.76289	27.99566	0.99479	450	98.06934	28.50529	0.99538
451	97.9167	28.31928	0.99663	451	98.15836	29.33132	0.99369	451	101.0504	27.61129	0.99383	451	97.93674	27.97732	0.99486	451	98.22082	28.49056	0.99546
452	98.10378	28.30784	0.99658	452	98.30157	29.31401	0.99377	452	101.2524	27.58275	0.99392	452	98.09045	27.96288	0.99488	452	98.3184	28.47084	0.99551
453	98.28075	28.29415	0.99664	453	98.51492	29.28882	0.99382	453	101.4245	27.56715	0.99381	453	98.25662	27.94405	0.99479	453	98.57787	28.46045	0.99545
454	98.45714	28.28702	0.99669	454	98.67545	29.27638	0.99373	454	101.5748	27.54337	0.99373	454	98.44662	27.92337	0.99473	454	98.74851	28.44034	0.9954
455	98.60111	28.27502	0.99663	455	98.83451	29.25235	0.99364	455	101.7427	27.52369	0.99379	455	98.62223	27.90399	0.99472	455	98.90408	28.42536	0.99545
456	98.78431	28.26173	0.99655	456	98.99932	29.23472	0.99368	456	101.9373	27.49397	0.99388	456	98.78236	27.8915	0.99482	456	99.10799	28.40477	0.99551
457	98.96751	28.2466	0.9966	457	99.20606	29.20992	0.99376	457	102.1137	27.47675	0.99377	457	98.93141	27.87092	0.99473	457	99.26453	28.39248	0.99542
458	99.14768	28.23989	0.99665	458	99.36813	29.19582	0.99367	458	102.2621	27.44972	0.99362	458	99.13299	27.84927	0.99467	458	99.4341	28.36926	0.99534
459	99.28233	28.22534	0.99661	459	99.52837	29.16968	0.99357	459	102.4417	27.43123	0.99368	459	99.30538	27.82901	0.99472	459	99.59491	28.35478	0.99537
460	99.47214	28.21151	0.99654	460	99.68568	29.15465	0.99357	460	102.6142	27.40104	0.99374	460	99.46066	27.81547	0.99477	460	99.79277	28.33292	0.99543
461	99.6492	28.19725	0.99654	461	99.88678	29.12694	0.99361	461	102.8111	27.38129	0.9937	461	99.61593	27.79518	0.99476	461	99.95779	28.32025	0.99538
462	99.8299	28.18757	0.99661	462	100.0598	29.11328	0.99358	462	102.9531	27.35617	0.99359	462	99.8177	27.77393	0.9947	462	100.1211	28.29944	0.99529
463	99.96675	28.17319	0.99657	463	100.207	29.09086	0.99346	463	103.1277	27.33618	0.99358	463	99.98251	27.75211	0.99469	463	100.2839	28.28045	0.99531
464	100.1542	28.15752	0.99648	464	100.3754	29.07194	0.99345	464	103.3066	27.30815	0.9937	464	100.1515	27.73448	0.99479	464	100.4886	28.25626	0.99536
465	100.3318	28.1421	0.99648	465	100.5688	29.0462	0.99353	465	103.5072	27.28271	0.99366	465	100.296	27.71579	0.99478	465	100.6449	28.24551	0.99536
466	100.5194	28.12639	0.99655	466	100.7431	29.03212	0.99352	466	103.6403	27.26338	0.99351	466	100.5014	27.69207	0.99466	466	100.8021	28.22908	0.99527
467	100.6485	28.11556	0.99652	467	100.892	29.01004	0.9934	467	103.8259	27.24348	0.9935	467	100.667	27.66885	0.99466	467	100.977	28.20206	0.99527
468	100.8341	28.0914	0.99646	468	101.0691	28.992	0.99342	468	103.9926	27.214	0.9936	468	100.8341	27.6526	0.99473	468	101.1648	28.1782	0.99532
469	101.0171	28.07688	0.99644	469	101.2559	28.96435	0.99352	469	104.1972	27.19272	0.99362	469	100.9761	27.63205	0.99475	469	101.3391	28.16572	0.99534
470	101.1961	28.05882	0.99649	470	101.441	28.95007	0.99357	470	104.3344	27.17	0.99351	470	101.1833	27.60834	0.99464	470	101.487	28.14366	0.99527
471	101.3367	28.04442	0.99652	471	101.5841	28.92778	0.99348	471	104.5183	27.15044	0.99343	471	101.3458	27.58675	0.99457	471	101.6588	28.12306	0.99524
472	101.5193	28.02086	0.99644	472	101.758	28.91029	0.99344	472	104.6776	27.12129	0.99352	472	101.5185	27.56921	0.99467	472	101.8526	28.09797	0.99532
473	101.6964	28.00661	0.9964	473	101.9394	28.88432	0.99357	473	104.8492	27.0983	0.99361	473	101.6603	27.5498	0.99477	473	102.0354	28.08369	0.99535
474	101.8836	27.98461	0.99647	474	102.1311	28.86788	0.99363	474	105.0257	27.08026	0.99351	474	101.8654	27.52298	0.99466	474	102.1741	28.06022	0.99529
475	102.0282	27.97203	0.99652	475	102.2658	28.84542	0.9935	475	105.2086	27.0543	0.99343	475	102.0299	27.50212	0.99462	475	102.3571	28.04069	0.99526
476	102.1969	27.94886	0.99646	476	102.4495	28.82671	0.99341	476	105.3745	27.02929	0.99349	476	102.2052	27.48321	0.99475	476	102.539	28.01629	0.99534
477	102.3867	27.92954	0.99639	477	102.6288	28.80055	0.99349	477	105.5799	27.00419	0.99357	477	102.3408	27.4617	0.99483	477	102.7221	27.9988	0.99537
478	102.5657	27.90977	0.99643	478	102.8205	28.78131	0.99357	478	105.7206	26.98687	0.99347	478	102.5549	27.43282	0.99476	478	102.8657	27.97625	0.99528
479	102.7099	27.89584	0.9965	479	102.9553	28.76042	0.99344	479	105.9032	26.95951	0.99335	479	102.7138	27.41119	0.9947	479	103.0502	27.95766	0.99522
480	102.8785	27.87196	0.99644	480	103.1392	28.74103	0.99335	480	106.0857	26.93875	0.99345	480	102.8852	27.38691	0.9948	480	103.2256	27.93275	0.99527
481	103.0758	27.85181	0.99637	481	103.3142	28.7137	0.9934	481	106.2679	26.91253	0.99354	481	103.03	27.36802	0.99493	481	103.4188	27.91402	0.99531
482	103.2458	27.83031	0.99642	482	103.5231	28.69355	0.99353	482	106.4196	26.89518	0.99346	482	103.2321	27.33781	0.99487	482	103.5495	27.894	0.99524
483	103.4024	27.81622	0.99648	483	103.648	28.67397	0.99347	483	106.5903	26.86746	0.99335	483	103.3991	27.31776	0.99478	483	103.7359	27.87143	0.99518
484	103.5634	27.79237	0.99643	484	103.8351	28.64959	0.99338	484	106.7555	26.84506	0.99337	484	103.5765	27.29114	0.99483	484	103.9216	27.8446	0.99521
485	103.7614	27.77112	0.99637	485	104.0098	28.62523	0.9934	485	106.9576	26.81911	0.9935	485	103.7182	27.27716	0.9949	485	104.1111	27.82641	0.99529
486	103.9332	27.74918	0.99638	486	104.2059	28.60214	0.9935	486	107.1105	26.80006	0.99346	486	103.918	27.24438	0.99481	486	104.2485	27.80254	0.99524
487	104.0926	27.73454	0.99646	487	104.3401	28.58381	0.99347	487	107.278	26.77225	0.99324	487	104.095	27.22512	0.99467	487	104.437	27.7792	0.99517
488	104.246	27.71221	0.99641	488	104.5205	28.55871	0.99334	488	107.4501	26.74794	0.99326	488	104.2549	27.20103	0.99466	488	104.6066	27.75532	0.99517
489	104.4542	27.68921	0.99633	489	104.692	28.53455	0.99339	489	107.6417	26.72102	0.99336	489	104.41	27.18209	0.99476	489	104.8024	27.73307	0.99522
490	104.6187	27.66671	0.99634	490	104.8938	28.50886	0.9935	490	107.8047	26.70251	0.99335	490	104.6083	27.15154	0.99473	490	104.9418	27.71135	0.99516
491	104.7857	27.65042	0.99642	491	105.0375	28.49242	0.99346	491	107.9606	26.67663	0.99324	491	104.7779	27.13131	0.99464	491	105.1209	27.68632	0.99505
492	104.9356	27.62666	0.99637	492	105.2079	28.46657	0.99334	492	108.1279	26.65144	0.99316	492	104.9461	27.1054	0.99466	492	105.3053	27.66719	0.99505
493	105.1355	27.60692	0.99629	493	105.3896	28.44283	0.9933	493	108.3257	26.62228	0.99325	493	105.1053	27.08775	0.99479	493	105.4999	27.63816	0.9951
494	105.3046	27.58365	0.99628	494	105.5882	28.41828	0.99331	494	108.4909	26.60585	0.99328	494	105.2834	27.05772	0.99483	494	105.6335	27.61928	0.9951
495	105.4806	27.56711	0.99636	495	105.7364	28.40105	0.99337	495	108.6366	26.57741	0.99317	495	105.4746	27.03788	0.99472	495	105.8142	27.59165	0.99501
496	105.6196	27.54741	0.99637	496	105.9039	28.37763	0.99323	496	108.8157	26.55254	0.99316	496	105.6284	27.01458	0.99465	496	105.9955	27.56798	0.995
497	105.8304	27.52203	0.99631	497	106.0869	28.35337	0.99316	497	109.0019	26.52352	0.99325	497	105.7892	26.99947	0.99478	497	106.186	27.54249	0.99508
498	105.9976	27.50069	0.99628	498	106.274	28.32729	0.99326	498	109.1804	26.50402	0.99331	498	105.9704	26.96981	0.99483	498	106.3357	2	

559	116.4369	26.09424	0.9958	559	116.7488	26.87667	0.99247	559	119.6759	25.05257	0.99241	559	116.44	25.46924	0.99426	559	116.856	26.04516	0.99481
560	116.6071	26.06891	0.99578	560	116.9246	26.85806	0.99249	560	119.8274	25.0403	0.99251	560	116.621	25.44896	0.99436	560	117.0019	26.01583	0.99488
561	116.7623	26.05057	0.99581	561	117.0657	26.84333	0.99254	561	120.0006	25.01841	0.99243	561	116.7646	25.42347	0.99432	561	117.215	25.99139	0.99482
562	116.9634	26.02136	0.99584	562	117.289	26.8099	0.99245	562	120.196	25.00285	0.99235	562	116.9524	25.39872	0.99421	562	117.3545	25.96584	0.99473
563	117.133	26.00447	0.99578	563	117.4299	26.7927	0.9923	563	120.3659	24.98641	0.99238	563	117.124	25.37664	0.9942	563	117.5275	25.94125	0.99477
564	117.2878	25.97963	0.99576	564	117.6074	26.76994	0.99232	564	120.5215	24.97428	0.99225	564	117.3101	25.35446	0.99427	564	117.6773	25.90932	0.99482
565	117.4406	25.96299	0.99581	565	117.7528	26.75096	0.9924	565	120.6869	24.95368	0.99242	565	117.4446	25.33472	0.99427	565	117.896	25.88236	0.99478
566	117.6386	25.93288	0.99586	566	117.9693	26.72528	0.99236	566	120.8863	24.93858	0.99228	566	117.6314	25.30726	0.99415	566	118.0298	25.85506	0.99471
567	117.8168	25.91785	0.99582	567	118.1186	26.7077	0.99224	567	121.0532	24.91948	0.99227	567	117.8099	25.28678	0.99409	567	118.2073	25.83	0.99473
568	117.9649	25.89185	0.99577	568	118.2973	26.68573	0.99226	568	121.2175	24.90777	0.99224	568	117.9876	25.26496	0.99419	568	118.3524	25.79825	0.9948
569	118.1353	25.87392	0.99583	569	118.4338	26.66788	0.99237	569	121.3776	24.88803	0.99232	569	118.1306	25.24797	0.99421	569	118.5701	25.76946	0.99479
570	118.3161	25.84483	0.99589	570	118.6502	26.64002	0.99238	570	121.581	24.86665	0.99214	570	118.3171	25.22028	0.99409	570	118.7127	25.74204	0.99469
571	118.498	25.8288	0.99585	571	118.8073	26.62431	0.99229	571	121.7473	24.84888	0.99213	571	118.494	25.20128	0.99403	571	118.8901	25.71462	0.99469
572	118.643	25.80371	0.99579	572	118.9731	26.59762	0.99226	572	121.9172	24.83416	0.99226	572	118.6733	25.17902	0.9941	572	119.0316	25.68634	0.99474
573	118.8103	25.78603	0.99582	573	119.1218	26.58063	0.99236	573	122.0709	24.81398	0.99225	573	118.8194	25.16303	0.99415	573	119.2508	25.65235	0.99471
574	118.9927	25.7564	0.99587	574	119.3333	26.55152	0.99238	574	122.2823	24.79287	0.9921	574	118.9935	25.13709	0.99403	574	119.3873	25.63166	0.99461
575	119.1855	25.7369	0.99585	575	119.4905	26.53609	0.99223	575	122.4136	24.77346	0.99202	575	119.1871	25.11714	0.99389	575	119.565	25.59745	0.99456
576	119.3215	25.71419	0.99579	576	119.6541	26.51102	0.99217	576	122.6233	24.7594	0.99215	576	119.3553	25.09724	0.99399	576	119.711	25.57184	0.9946
577	119.4963	25.69517	0.99578	577	119.8116	26.49451	0.99222	577	122.7663	24.74039	0.99217	577	119.5024	25.082	0.99401	577	119.9198	25.53693	0.99461
578	119.6662	25.66592	0.99587	578	120.0142	26.4658	0.99226	578	122.9279	24.71946	0.99196	578	119.6764	25.05405	0.99395	578	120.0697	25.51313	0.99453
579	119.8625	25.6445	0.99587	579	120.1863	26.44982	0.99217	579	123.1405	24.69985	0.99191	579	119.87	25.03662	0.99386	579	120.2447	25.48145	0.9945
580	120.0056	25.62213	0.99578	580	120.3465	26.42747	0.99211	580	123.3177	24.68682	0.99204	580	120.0339	25.0142	0.99391	580	120.3887	25.45337	0.9946
581	120.1841	25.60094	0.99576	581	120.5011	26.41106	0.99218	581	123.5011	24.66979	0.99206	581	120.1944	24.99564	0.99404	581	120.5998	25.41893	0.99463
582	120.3477	25.57138	0.99583	582	120.6953	26.3823	0.99226	582	123.6743	24.64931	0.99195	582	120.3548	24.97187	0.99397	582	120.7554	25.39477	0.99457
583	120.5498	25.55117	0.99583	583	120.8711	26.36829	0.99222	583	123.8396	24.63178	0.99187	583	120.5573	24.95268	0.99386	583	120.9148	25.3674	0.9945
584	120.6858	25.52827	0.99575	584	121.0247	26.34467	0.9921	584	124.0158	24.61818	0.99203	584	120.721	24.93055	0.99388	584	121.0732	25.33697	0.99455
585	120.8605	25.50811	0.99574	585	121.1914	26.32922	0.99218	585	124.1602	24.60414	0.99213	585	120.8801	24.915	0.99395	585	121.2806	25.30307	0.99459
586	121.026	25.47911	0.99583	586	121.3755	26.30051	0.99226	586	124.3174	24.58374	0.99198	586	121.0408	24.8881	0.99392	586	121.4375	25.28113	0.99445
587	121.2336	25.45699	0.99584	587	121.5632	26.28485	0.9922	587	124.4568	24.56853	0.99187	587	121.2511	24.86842	0.99375	587	121.5989	25.24884	0.99442
588	121.365	25.43328	0.99578	588	121.7132	26.26203	0.9921	588	124.7154	24.55127	0.99193	588	121.404	24.84573	0.99369	588	121.7581	25.22345	0.99445
589	121.5505	25.41008	0.99574	589	121.8777	26.24447	0.99215	589	124.8585	24.54919	0.99202	589	121.573	24.82813	0.99376	589	121.9505	25.18997	0.9945
590	121.704	25.38528	0.99579	590	122.0638	26.2158	0.99225	590	125.0378	24.5164	0.99191	590	121.728	24.80105	0.99378	590	122.1213	25.16861	0.99446
591	121.9126	25.35954	0.99578	591	122.2587	26.19814	0.99219	591	125.2519	24.50167	0.9918	591	121.9312	24.78099	0.99363	591	122.2759	25.13618	0.99438
592	122.0546	25.3398	0.9957	592	122.3966	26.17535	0.9921	592	125.4072	24.48301	0.99185	592	122.0866	24.75742	0.9936	592	122.4379	25.10999	0.99439
593	122.2358	25.31347	0.99564	593	122.571	26.15803	0.99209	593	125.5547	24.46854	0.99202	593	122.2583	24.73842	0.9937	593	122.6361	25.07365	0.99446
594	122.3927	25.28994	0.99569	594	122.754	26.13084	0.99217	594	125.7501	24.4413	0.99194	594	122.4032	24.71366	0.99377	594	122.8105	25.05242	0.99446
595	122.6017	25.26381	0.99572	595	122.942	26.11125	0.99216	595	125.9231	24.4256	0.99183	595	122.6256	24.69181	0.99366	595	122.9534	25.0203	0.99439
596	122.7417	25.24594	0.99566	596	123.0843	26.09079	0.99204	596	126.1001	24.40311	0.99182	596	122.7748	24.67267	0.99359	596	123.1291	24.99326	0.99441
597	122.9187	25.21824	0.99562	597	123.2632	26.07302	0.99203	597	126.2615	24.38793	0.99191	597	122.9468	24.65442	0.9937	597	123.3127	24.96038	0.99445
598	123.0872	25.19159	0.99565	598	123.429	26.04771	0.99211	598	126.4429	24.3598	0.99183	598	123.0971	24.63047	0.99377	598	123.4962	24.93942	0.9945
599	123.2814	25.16715	0.99572	599	123.6336	26.03052	0.99213	599	126.6305	24.34053	0.99165	599	123.3172	24.61073	0.99368	599	123.6432	24.91002	0.99441
600	123.4299	25.14683	0.9957	600	123.7704	26.00973	0.99198	600	126.796	24.31772	0.99161	600	123.4622	24.59039	0.99359	600	123.8128	24.88601	0.99441
601	123.6014	25.12015	0.99563	601	123.9502	25.99208	0.99192	601	126.9482	24.30062	0.9917	601	123.6405	24.5711	0.99364	601	123.9933	24.85311	0.99446
602	123.7632	25.09602	0.99565	602	124.1203	25.96649	0.99202	602	127.1261	24.27038	0.99172	602	123.7849	24.55005	0.99374	602	124.1835	24.83268	0.99447
603	123.9656	25.06899	0.99572	603	124.3302	25.94852	0.99204	603	127.3236	24.25222	0.99158	603	123.9999	24.52733	0.99365	603	124.3163	24.80682	0.99439
604	124.1237	25.05062	0.99571	604	124.4634	25.93166	0.99195	604	127.477	24.22748	0.99153	604	124.1514	24.50887	0.99356	604	124.5021	24.78223	0.99436
605	124.2853	25.02264	0.99563	605	124.6489	25.91284	0.99188	605	127.6429	24.21003	0.99157	605	124.3254	24.48918	0.99358	605	124.6859	24.75209	0.99441
606	124.4585	25.00114	0.99563	606	124.81	25.89025	0.99196	606	127.8114	24.18224	0.99175	606	124.4721	24.46928	0.99366	606	124.8732	24.73074	0.99443
607	124.6506	24.97486	0.9957	607	125.0215	25.86732	0.992	607	128.0105	24.16246	0.99164	607	124.6973	24.44363	0.99362	607	125.0129	24.70571	0.99436
608	124.809	24.9571	0.99569	608	125.1577	25.8518	0.99186	608	128.1673	24.13827	0.9916	608	124.8442	24.42952	0.99353	608	125.1923	24.68461	0.99434
609	124.9748	24.93118	0.99561	609	125.3342	25.82965	0.99174	609	128.3287	24.12073	0.99173	609	125.0178	24.40503	0.99355	609	125.3648	24.65443	0.99437
610	125.1467	24.90883	0.99559	610	125.5011	25.80535	0.99173	610	128.4972	24.0913	0.99182	610	125.1663	24.38957	0.99365	610	125.5674	24.63398	0.99443
611	125.3382	24.88145	0.99566	611	125.7113	25.78125	0.99175	611	128.7047	24.07302	0.99171	611	125.3814	24.36156	0.99364	611	125.7004	24.61263	

672	135.7744	23.39381	0.99514	672	136.1553	24.36753	0.99009	672	139.1871	22.44643	0.99057	672	135.8534	23.03952	0.99274	672	136.2003	23.32091	0.99388
673	135.9492	23.36655	0.9954	673	136.3223	24.34883	0.99103	673	139.3368	22.42286	0.9905	673	136.0141	23.02361	0.99282	673	136.3739	23.29415	0.99383
674	136.0978	23.33475	0.99563	674	136.4744	24.32394	0.99103	674	139.5002	22.39961	0.99038	674	136.1647	22.99785	0.99273	674	136.5748	23.27608	0.99377
675	136.3029	23.31397	0.99537	675	136.6818	24.29851	0.9909	675	139.6605	22.36156	0.99041	675	136.362	22.97317	0.99264	675	136.7286	23.25581	0.99378
676	136.4639	23.30359	0.99529	676	136.8448	24.27417	0.9909	676	139.8588	22.32707	0.99054	676	136.5358	22.94674	0.99266	676	136.8933	23.24012	0.99384
677	136.6367	23.28761	0.99538	677	137.0101	24.25576	0.99097	677	140.0205	22.30227	0.99049	677	136.6954	22.92764	0.99277	677	137.057	23.2145	0.99383
678	136.7808	23.27232	0.99528	678	137.1586	24.22986	0.99099	678	140.1814	22.26914	0.99031	678	136.848	22.90132	0.9927	678	137.2585	23.19609	0.99375
679	136.9708	23.25329	0.99498	679	137.3706	24.20405	0.99082	679	140.3403	22.23816	0.99034	679	137.0403	22.87638	0.99261	679	137.4175	23.17254	0.99372
680	137.1462	23.23161	0.99469	680	137.5272	24.17969	0.99075	680	140.5396	22.20302	0.9905	680	137.2116	22.84849	0.99266	680	137.5868	23.15697	0.99378
681	137.3207	23.1993	0.99484	681	137.6949	24.15819	0.99086	681	140.7096	22.17875	0.99045	681	137.3827	22.8288	0.99276	681	137.7429	23.13303	0.99377
682	137.4521	23.16539	0.99484	682	137.8416	24.13497	0.99085	682	140.8584	22.14328	0.99031	682	137.5258	22.80448	0.99273	682	137.9501	23.11109	0.99369
683	137.6519	23.12521	0.99475	683	138.0508	24.10802	0.99076	683	141.0294	22.11391	0.99027	683	137.7244	22.7758	0.99258	683	138.1027	23.08918	0.99368
684	137.8389	23.10022	0.99465	684	138.2062	24.08219	0.99069	684	141.2199	22.07864	0.99039	684	137.9001	22.74933	0.9926	684	138.2692	23.07071	0.99377
685	138.0002	23.06405	0.99468	685	138.3794	24.0613	0.9908	685	141.3905	22.05644	0.99035	685	138.0652	22.73034	0.99268	685	138.4268	23.04367	0.99381
686	138.154	23.04495	0.9946	686	138.5249	24.03696	0.99082	686	141.5373	22.0228	0.99013	686	138.2103	22.70508	0.99267	686	138.6383	23.02443	0.99374
687	138.3365	23.00664	0.99442	687	138.7376	24.00879	0.99073	687	141.7116	21.99532	0.99006	687	138.414	22.67751	0.99255	687	138.7887	23.001	0.9937
688	138.5364	22.98908	0.99442	688	138.8985	23.98462	0.99063	688	141.8919	21.96661	0.99018	688	138.5747	22.65183	0.99252	688	138.9646	22.98005	0.99373
689	138.6901	22.97966	0.99445	689	139.0683	23.96237	0.99068	689	142.0774	21.93702	0.99021	689	138.7494	22.62969	0.99262	689	139.1102	22.95534	0.99375
690	138.8433	22.96537	0.99466	690	139.2091	23.94073	0.99073	690	142.2171	21.90606	0.99003	690	138.8874	22.6086	0.99269	690	139.239	22.93199	0.99364
691	139.0253	22.93753	0.99477	691	139.424	23.91003	0.99061	691	142.3904	21.88003	0.98999	691	139.0882	22.57913	0.9926	691	139.48	22.90992	0.99356
692	139.2162	22.91802	0.99476	692	139.5778	23.89051	0.99052	692	142.5742	21.84283	0.99008	692	139.2578	22.55432	0.99257	692	139.6505	22.89043	0.99359
693	139.3951	22.90652	0.99475	693	139.7518	23.86426	0.99057	693	142.7637	21.82065	0.99017	693	139.4381	22.5322	0.99264	693	139.7988	22.86449	0.99364
694	139.5385	22.9142	0.99462	694	139.8945	23.84671	0.99065	694	142.9	21.79134	0.98999	694	139.5717	22.51109	0.99266	694	140.0194	22.8406	0.99358
695	139.7023	22.88933	0.99488	695	140.0981	23.81163	0.99058	695	143.0844	21.76359	0.98991	695	139.7785	22.48102	0.99254	695	140.1621	22.8188	0.99351
696	139.9133	22.87491	0.99491	696	140.2628	23.79121	0.99048	696	143.251	21.73043	0.99	696	139.9475	22.45845	0.99248	696	140.3444	22.79792	0.99355
697	140.0607	22.84125	0.99456	697	140.4316	23.76433	0.99051	697	143.4464	21.70391	0.99006	697	140.1193	22.43248	0.9925	697	140.488	22.77341	0.9936
698	140.2463	22.82047	0.99477	698	140.5747	23.74402	0.99059	698	143.5848	21.67644	0.98992	698	140.2614	22.41442	0.99255	698	140.7047	22.74657	0.99358
699	140.3921	22.79651	0.99497	699	140.7811	23.70989	0.99057	699	143.7609	21.64838	0.98977	699	140.455	22.38347	0.99251	699	140.8555	22.72705	0.99351
700	140.6211	22.76902	0.99495	700	140.9512	23.68766	0.99045	700	143.9325	21.61647	0.98986	700	140.6301	22.36299	0.99243	700	141.0356	22.70181	0.99351
701	140.7693	22.74079	0.99487	701	141.1159	23.65929	0.99047	701	144.1329	21.58991	0.98996	701	140.8042	22.33872	0.99247	701	141.1739	22.68026	0.99356
702	140.9357	22.71265	0.99469	702	141.2728	23.63828	0.99058	702	144.2616	21.56356	0.98985	702	140.946	22.32108	0.99258	702	141.3965	22.65125	0.99357
703	141.0925	22.6954	0.99512	703	141.4652	23.60546	0.99057	703	144.4443	21.53151	0.9897	703	141.1372	22.28911	0.99248	703	141.5492	22.63324	0.99349
704	141.3009	22.66481	0.9952	704	141.6363	23.58137	0.99045	704	144.6165	21.50195	0.98973	704	141.3199	22.26896	0.99237	704	141.7162	22.60699	0.99346
705	141.4578	22.63461	0.99505	705	141.8019	23.55141	0.99041	705	144.8107	21.47108	0.98985	705	141.483	22.245	0.99236	705	141.8646	22.58761	0.99354
706	141.6426	22.60197	0.99522	706	141.959	23.5212	0.99052	706	144.9353	21.44802	0.98977	706	141.6382	22.22424	0.99244	706	142.0798	22.5662	0.99353
707	141.782	22.57397	0.99526	707	142.1477	23.49834	0.99051	707	145.1325	21.41795	0.98963	707	141.8246	22.19349	0.99245	707	142.237	22.53606	0.99347
708	141.9924	22.55636	0.99544	708	142.3325	23.47572	0.99033	708	145.2973	21.38793	0.98962	708	142.0075	22.17228	0.99234	708	142.4062	22.50966	0.99342
709	142.1363	22.55161	0.99521	709	142.4865	23.44834	0.99027	709	145.4968	21.35685	0.98978	709	142.1724	22.14563	0.99233	709	142.559	22.48892	0.9935
710	142.3233	22.52535	0.99511	710	142.6495	23.42839	0.99035	710	145.6429	21.33552	0.98977	710	142.333	22.12723	0.99243	710	142.7629	22.45525	0.99353
711	142.4559	22.51076	0.99518	711	142.8364	23.39467	0.99039	711	145.8088	21.30613	0.98962	711	142.502	22.0995	0.99245	711	142.9343	22.43288	0.99344
712	142.6953	22.48927	0.99504	712	143.0258	23.37277	0.99024	712	145.9808	21.27685	0.98965	712	142.6971	22.07404	0.99231	712	143.0899	22.40677	0.99348
713	142.8469	22.47763	0.99492	713	143.1776	23.34732	0.99012	713	146.1724	21.24594	0.98977	713	142.853	22.04759	0.99225	713	143.2454	22.38481	0.99341
714	143.0182	22.44455	0.9948	714	143.3506	23.32642	0.9902	714	146.3244	21.22269	0.9898	714	143.0162	22.02679	0.99232	714	143.4513	22.35662	0.99343
715	143.1676	22.41017	0.99458	715	143.5212	23.29704	0.99028	715	146.491	21.19277	0.98965	715	143.1903	21.99616	0.99234	715	143.6214	22.33609	0.99334
716	143.3923	22.39345	0.99455	716	143.7224	23.27682	0.99018	716	146.6653	21.16683	0.98961	716	143.3877	21.9747	0.9922	716	143.7826	22.30108	0.99328
717	143.5345	22.38291	0.9943	717	143.8644	23.2546	0.99012	717	146.8508	21.1357	0.9897	717	143.5367	21.94736	0.99213	717	143.9468	22.28066	0.99333
718	143.7088	22.35334	0.99418	718	144.0396	23.23564	0.99017	718	147.0099	21.11271	0.98969	718	143.7105	21.92591	0.99226	718	144.1345	22.24565	0.99338
719	143.8556	22.34928	0.99468	719	144.2099	23.20824	0.99027	719	147.1639	21.08438	0.98958	719	143.8776	21.89651	0.99233	719	144.3182	22.22269	0.99334
720	144.0761	22.32096	0.99472	720	144.4137	23.18936	0.99024	720	147.3432	21.05624	0.98947	720	144.0818	21.8745	0.99225	720	144.4721	22.19387	0.99329
721	144.2315	22.31452	0.99447	721	144.5539	23.16666	0.99012	721	147.5301	21.02494	0.98953	721	144.2306	21.84876	0.99219	721	144.6335	22.17192	0.99335
722	144.3953	22.28183	0.99452	722	144.7352	23.14901	0.99017	722	147.689	21.02494	0.98956	722	144.3992	21.82761	0.99226	722	144.8222	22.13713	0.9934
723	144.5426	22.25112	0.99438	723	144.8986	23.1221	0.99024	723	147.8401	20.97281	0.98941	723	144.5635	21.79592	0.99233	723	145.0069	22.11414	0.99338
724	144.7601	22.21653	0.99426	724	145.1033	23.10203	0.99021	724	148.0193	20.9433	0.98933	724	144.7747	21.77276	0.99224	724	145.154		

785	155.2267	20.37727	0.9947	785	155.5633	21.62451	0.98896	785	158.3912	19.23393	0.98875	785	155.2803	20.31116	0.99134	785	155.571	20.24231	0.99272
786	155.3997	20.36624	0.99475	786	155.7139	21.60306	0.98901	786	158.5701	19.2089	0.98854	786	155.4233	20.2902	0.99136	786	155.7648	20.20727	0.99265
787	155.5552	20.34558	0.99467	787	155.8789	21.57493	0.98889	787	158.7379	19.18169	0.98853	787	155.6043	20.25903	0.99127	787	155.9339	20.17959	0.9926
788	155.7194	20.29428	0.99451	788	156.0706	21.54594	0.98882	788	158.8879	19.16094	0.98855	788	155.7894	20.23681	0.99127	788	156.1151	20.14847	0.99268
789	155.9145	20.245	0.99455	789	156.2461	21.52187	0.98893	789	159.0662	19.12694	0.98884	789	155.9705	20.2114	0.99137	789	156.2536	20.12263	0.99269
790	156.0742	20.22583	0.99416	790	156.3959	21.50259	0.98901	790	159.2562	19.10278	0.98816	790	156.1196	20.19237	0.99142	790	156.4318	20.08508	0.9926
791	156.2234	20.20931	0.994	791	156.5623	21.4756	0.98886	791	159.4196	19.07518	0.98811	791	156.2922	20.16086	0.9913	791	156.6158	20.05573	0.99254
792	156.4042	20.18335	0.9935	792	156.751	21.44911	0.98874	792	159.577	19.05337	0.98821	792	156.4823	20.13649	0.99124	792	156.7947	20.02377	0.99259
793	156.5823	20.14445	0.99332	793	156.9248	21.42348	0.98879	793	159.7306	19.02254	0.98809	793	156.657	20.11076	0.99128	793	156.9318	19.99741	0.99263
794	156.7505	20.12185	0.99333	794	157.0804	21.40428	0.98884	794	159.9362	18.99841	0.98791	794	156.806	20.08974	0.9913	794	157.1104	19.95798	0.99254
795	156.9025	20.07246	0.99308	795	157.2385	21.37617	0.98871	795	160.0976	18.96771	0.98787	795	156.9781	20.05819	0.99119	795	157.2907	19.92773	0.99248
796	157.0721	20.01159	0.99351	796	157.439	21.3489	0.98856	796	160.2605	18.94764	0.98793	796	157.17	20.03276	0.99107	796	157.4598	19.8947	0.99251
797	157.2537	19.96885	0.99385	797	157.6113	21.32467	0.98861	797	160.42	18.91463	0.98785	797	157.3373	20.00701	0.99112	797	157.6082	19.86595	0.99257
798	157.4449	19.91239	0.99389	798	157.7698	21.30635	0.98869	798	160.6199	18.89059	0.98764	798	157.4989	19.98565	0.99122	798	157.779	19.82707	0.99248
799	157.5961	19.87891	0.99378	799	157.9279	21.28062	0.98866	799	160.7727	18.86322	0.98759	799	157.6559	19.95548	0.99115	799	157.9677	19.79206	0.99242
800	157.7655	19.83975	0.99351	800	158.1264	21.25506	0.98856	800	160.9372	18.84069	0.98765	800	157.8565	19.92867	0.99104	800	158.1364	19.75625	0.99243
801	157.9486	19.81305	0.9935	801	158.2928	21.22807	0.98855	801	161.0968	18.80878	0.98764	801	158.025	19.9015	0.99109	801	158.2858	19.72538	0.99249
802	158.13	19.78702	0.99329	802	158.4579	21.2038	0.98866	802	161.31	18.78253	0.9875	802	158.1826	19.88072	0.99116	802	158.4502	19.68262	0.99242
803	158.2693	19.74278	0.99282	803	158.6087	21.18199	0.98865	803	161.4546	18.75629	0.98742	803	158.345	19.84959	0.99112	803	158.648	19.64634	0.99235
804	158.4473	19.6931	0.9923	804	158.8102	21.15379	0.98856	804	161.6318	18.73255	0.98755	804	158.5527	19.82425	0.99098	804	158.8051	19.6106	0.99233
805	158.6242	19.66316	0.99258	805	158.9775	21.12769	0.98858	805	161.7799	18.70324	0.98764	805	158.7089	19.79792	0.99097	805	158.9646	19.57807	0.99241
806	158.8032	19.62626	0.9933	806	159.1438	21.10849	0.98866	806	161.9904	18.6776	0.98749	806	158.8765	19.77539	0.99108	806	159.1241	19.53631	0.99238
807	158.9462	19.59864	0.99355	807	159.2869	21.08328	0.98865	807	162.1434	18.6523	0.98738	807	159.031	19.74468	0.99104	807	159.3229	19.50088	0.99229
808	159.128	19.57961	0.99328	808	159.497	21.05506	0.98853	808	162.3168	18.62912	0.98744	808	159.2348	19.71635	0.99087	808	159.4784	19.46336	0.99231
809	159.2961	19.54701	0.99312	809	159.6616	21.02991	0.98849	809	162.4166	18.6044	0.9875	809	159.3923	19.68991	0.99081	809	159.642	19.43101	0.99238
810	159.494	19.52421	0.99351	810	159.8351	21.00898	0.98854	810	162.6794	18.57647	0.98739	810	159.5655	19.66566	0.99088	810	159.7939	19.39299	0.99238
811	159.6263	19.50463	0.99389	811	159.9828	20.98466	0.98853	811	162.8274	18.55341	0.98724	811	159.7101	19.63613	0.9909	811	160.004	19.35656	0.99229
812	159.8046	19.45813	0.99352	812	160.1817	20.95809	0.98838	812	163	18.52922	0.98733	812	159.9229	19.6051	0.99078	812	160.1589	19.32157	0.99225
813	159.9887	19.41123	0.99357	813	160.345	20.93337	0.98829	813	163.1475	18.50278	0.98743	813	160.0786	19.57892	0.99075	813	160.3203	19.28952	0.99228
814	160.1654	19.37127	0.99389	814	160.5248	20.91154	0.98837	814	163.3631	18.47781	0.98735	814	160.2517	19.55306	0.99082	814	160.4731	19.25262	0.99229
815	160.3178	19.32477	0.99422	815	160.6626	20.8908	0.98839	815	163.5143	18.45594	0.9872	815	160.401	19.52149	0.99087	815	160.6784	19.21747	0.99219
816	160.4812	19.30998	0.99433	816	160.8687	20.86128	0.98827	816	163.6929	18.43166	0.98719	816	160.6143	19.49331	0.99073	816	160.8327	19.18241	0.99212
817	160.6506	19.26972	0.99424	817	161.0327	20.83933	0.98823	817	163.8538	18.41381	0.98729	817	160.7658	19.46573	0.99066	817	161.0051	19.15222	0.9922
818	160.8491	19.23868	0.99428	818	161.2038	20.81639	0.98831	818	164.0463	18.38348	0.98717	818	160.9439	19.43821	0.99074	818	161.152	19.11744	0.99223
819	160.9928	19.2203	0.99414	819	161.3439	20.79794	0.98839	819	164.2063	18.36474	0.98699	819	161.0828	19.41005	0.99079	819	161.3599	19.08168	0.99219
820	161.1589	19.19046	0.99384	820	161.553	20.76701	0.98832	820	164.3739	18.33871	0.98695	820	161.3015	19.3765	0.99067	820	161.5119	19.0501	0.99216
821	161.3444	19.16634	0.99363	821	161.7168	20.74781	0.98823	821	164.5204	18.31826	0.98704	821	161.4504	19.35043	0.99058	821	161.6837	19.01942	0.99224
822	161.5283	19.13739	0.99357	822	161.8917	20.72193	0.98828	822	164.7292	18.28775	0.98703	822	161.6252	19.32252	0.9906	822	161.8238	18.98468	0.99229
823	161.6926	19.10274	0.99375	823	162.0396	20.70528	0.98833	823	164.893	18.26765	0.98688	823	161.7718	19.29621	0.99065	823	162.041	18.94856	0.99224
824	161.8395	19.0751	0.99382	824	162.2296	20.67368	0.98823	824	165.0588	18.23977	0.98684	824	161.9892	19.26262	0.99056	824	162.1924	18.919	0.99218
825	162.0212	19.04698	0.99355	825	162.4095	20.65297	0.98811	825	165.2154	18.22106	0.98694	825	162.138	19.23888	0.99044	825	162.3686	18.8894	0.99223
826	162.211	19.00111	0.99347	826	162.5768	20.62812	0.9881	826	165.4099	18.1952	0.98689	826	162.3154	19.20862	0.99046	826	162.5083	18.85687	0.99229
827	162.3673	18.97595	0.99346	827	162.7257	20.60841	0.98815	827	165.5884	18.16876	0.98671	827	162.464	19.18576	0.99054	827	162.7172	18.82068	0.99222
828	162.5165	18.94973	0.99346	828	162.9183	20.57474	0.98811	828	165.7449	18.14554	0.98666	828	162.6738	19.15145	0.99053	828	162.8734	18.79227	0.99212
829	162.7058	18.90642	0.99301	829	163.0992	20.55605	0.98802	829	165.988	18.12617	0.98663	829	162.8344	19.1294	0.99044	829	163.0497	18.75969	0.99213
830	162.8783	18.87703	0.99283	830	163.2587	20.52754	0.98801	830	166.0897	18.0945	0.98661	830	163.0056	19.09916	0.99046	830	163.1868	18.73319	0.99219
831	163.0477	18.84846	0.99285	831	163.419	20.50663	0.98812	831	166.2715	18.0743	0.98647	831	163.1558	19.07863	0.99056	831	163.401	18.69244	0.99214
832	163.1948	18.80664	0.9929	832	163.5976	20.47341	0.98811	832	166.4168	18.04784	0.98639	832	163.3628	19.04315	0.99055	832	163.5609	18.66684	0.99208
833	163.3969	18.7738	0.99272	833	163.784	20.45018	0.98799	833	166.5809	18.02882	0.98648	833	163.527	19.02394	0.99041	833	163.7275	18.63315	0.99207
834	163.5651	18.72861	0.9926	834	163.9526	20.42186	0.98793	834	166.7619	17.99643	0.98661	834	163.6898	18.99383	0.9904	834	163.8721	18.6086	0.99215
835	163.7397	18.71066	0.99269	835	164.1083	20.40147	0.98798	835	166.9446	17.97399	0.9865	835	163.8511	18.97062	0.9905	835	164.0808	18.56893	0.99214
836	163.8804	18.66641	0.99307	836	164.2854	20.36642	0.98797	836	167.0983	17.94676	0.98638	836	164.0477	18.93846	0.99052	836	164.2437	18.5424	0.99203
837	164.0815	18.61501	0.99312	837	164.4813	20.34373	0.98782	837	167.2621	17.92618	0.98648	837	164.2204	18.91592	0.99043	837	164.4118	18.5106	0.

898	174.4515	16.52446	0.99224	898	174.9498	18.77226	0.98655	898	177.6937	16.3341	0.98456	898	174.7096	17.17399	0.9894	898	174.7949	16.7882	0.99129
899	174.622	16.48686	0.99202	899	175.0869	18.74933	0.9864	899	177.8681	16.3091	0.98459	899	174.8561	17.14431	0.98939	899	174.9686	16.76388	0.99125
900	174.7832	16.44982	0.99186	900	175.2713	18.72464	0.98631	900	178.07	16.2879	0.98465	900	175.0555	17.11237	0.98924	900	175.1529	16.73562	0.9913
901	174.9275	16.42497	0.99203	901	175.4403	18.69845	0.98633	901	178.2106	16.26349	0.98457	901	175.2322	17.08073	0.98924	901	175.3323	16.71656	0.99135
902	175.1329	16.3841	0.99233	902	175.6378	18.67218	0.98643	902	178.3555	16.23807	0.98442	902	175.4023	17.05516	0.98934	902	175.4712	16.69171	0.99129
903	175.3053	16.35312	0.99229	903	175.7731	18.65209	0.98639	903	178.5318	16.21365	0.98441	903	175.5462	17.02684	0.98936	903	175.6401	16.66532	0.99124
904	175.4537	16.32136	0.99211	904	175.9489	18.62222	0.98627	904	178.7447	16.18658	0.9845	904	175.7445	16.99691	0.98924	904	175.8397	16.63908	0.99128
905	175.6056	16.27487	0.99211	905	176.1266	18.59377	0.98627	905	178.9023	16.16595	0.98446	905	175.9098	16.96653	0.98921	905	176.0116	16.6191	0.99135
906	175.8204	16.22629	0.99206	906	176.3225	18.56585	0.98637	906	179.0665	16.13832	0.98432	906	176.0868	16.9416	0.98931	906	176.1556	16.59403	0.99131
907	175.9835	16.18137	0.99208	907	176.457	18.54513	0.98631	907	179.2358	16.11343	0.98427	907	176.2284	16.9167	0.9893	907	176.3396	16.56786	0.9912
908	176.1296	16.1447	0.99192	908	176.6345	18.51413	0.98619	908	179.4278	16.08584	0.98437	908	176.4221	16.88256	0.98918	908	176.5158	16.54052	0.99122
909	176.2968	16.11356	0.99178	909	176.8104	18.48786	0.98615	909	179.5909	16.06741	0.98436	909	176.5931	16.85634	0.98912	909	176.7026	16.51969	0.99127
910	176.4726	16.06665	0.9917	910	176.9983	18.45879	0.98625	910	179.7447	16.03965	0.98421	910	176.7665	16.82837	0.9892	910	176.8433	16.49542	0.99122
911	176.6516	16.05368	0.99179	911	177.1464	18.43743	0.9863	911	179.9233	16.01307	0.98417	911	176.9067	16.80356	0.98922	911	177.0212	16.46808	0.99114
912	176.7925	16.04278	0.9918	912	177.3152	18.41146	0.98621	912	180.1129	15.98749	0.98426	912	177.1097	16.76491	0.9891	912	177.201	16.44261	0.99113
913	176.9783	16.0307	0.99176	913	177.4912	18.38321	0.9862	913	180.279	15.96701	0.98425	913	177.2815	16.73954	0.98904	913	177.3873	16.42007	0.99119
914	177.1433	15.99479	0.99175	914	177.6831	18.3532	0.98631	914	180.4344	15.93846	0.9841	914	177.4552	16.71086	0.98909	914	177.5248	16.39752	0.99122
915	177.3339	15.9611	0.99165	915	177.8316	18.33349	0.9863	915	180.6101	15.91342	0.98399	915	177.6032	16.68694	0.98911	915	177.7059	16.36811	0.99114
916	177.4744	15.91925	0.99182	916	177.9928	18.30357	0.98615	916	180.7938	15.88557	0.98408	916	177.7886	16.65264	0.98896	916	177.8847	16.34353	0.99111
917	177.6372	15.8934	0.99193	917	178.1815	18.27405	0.98606	917	180.9697	15.8643	0.98407	917	177.9643	16.62689	0.98887	917	178.0622	16.31782	0.99116
918	177.8198	15.87016	0.99187	918	178.3639	18.2441	0.9861	918	181.1112	15.83797	0.98389	918	178.1357	16.597	0.98886	918	178.2082	16.29253	0.99114
919	178.018	15.84087	0.99174	919	178.5189	18.2229	0.98613	919	181.2932	15.80983	0.98378	919	178.2824	16.57518	0.98897	919	178.3817	16.26532	0.99104
920	178.1558	15.8028	0.99176	920	178.6806	18.19312	0.986	920	181.4777	15.78105	0.98381	920	178.4675	16.5405	0.98891	920	178.5697	16.23971	0.99101
921	178.336	15.78469	0.992	921	178.8688	18.16335	0.98594	921	181.6488	15.76096	0.98383	921	178.653	16.51475	0.98882	921	178.7531	16.21265	0.99104
922	178.506	15.76204	0.99192	922	179.0488	18.13678	0.98602	922	181.7918	15.73284	0.98372	922	178.8096	16.48433	0.98884	922	178.911	16.1905	0.99106
923	178.6994	15.73259	0.99157	923	179.2093	18.11669	0.98607	923	181.9804	15.70382	0.98361	923	178.9684	16.45935	0.98894	923	179.0671	16.15759	0.99101
924	178.8304	15.69184	0.9913	924	179.3623	18.09032	0.986	924	182.1611	15.67384	0.98363	924	179.1543	16.4229	0.98893	924	179.2549	16.12903	0.99099
925	178.9963	15.64138	0.99129	925	179.554	18.06265	0.98594	925	182.3449	15.65106	0.98376	925	179.339	16.39518	0.98881	925	179.4301	16.1005	0.99104
926	179.1681	15.60314	0.99134	926	179.7324	18.03584	0.98596	926	182.4838	15.62345	0.98366	926	179.5005	16.36342	0.98878	926	179.5812	16.0749	0.99108
927	179.3725	15.57281	0.99136	927	179.8959	18.01481	0.98603	927	182.6667	15.594	0.98357	927	179.6556	16.33756	0.98882	927	179.7516	16.04215	0.99097
928	179.5086	15.5397	0.99107	928	180.0475	17.98814	0.98597	928	182.8475	15.56507	0.98359	928	179.8303	16.29851	0.98879	928	179.9386	16.01298	0.99089
929	179.69	15.5136	0.99137	929	180.2436	17.96144	0.98585	929	183.0349	15.54124	0.98365	929	180.0258	16.26877	0.98867	929	180.1172	15.98093	0.99092
930	179.8661	15.48356	0.99149	930	180.4144	17.93098	0.98584	930	183.1661	15.51561	0.98354	930	180.1818	16.23567	0.98858	930	180.2712	15.95764	0.99093
931	180.0826	15.46043	0.99172	931	180.5871	17.91007	0.98589	931	183.352	15.48556	0.98336	931	180.3419	16.20848	0.98866	931	180.4319	15.92429	0.99087
932	180.2059	15.43274	0.99166	932	180.733	17.88347	0.98583	932	183.5312	15.45874	0.98335	932	180.5123	16.18084	0.98865	932	180.6303	15.89424	0.99078
933	180.3837	15.42483	0.99167	933	180.9312	17.85376	0.98568	933	183.7127	15.43114	0.98341	933	180.7084	16.14116	0.98854	933	180.8008	15.86538	0.9908
934	180.5368	15.38228	0.99172	934	181.1019	17.82262	0.98564	934	183.8553	15.40857	0.9834	934	180.8575	16.10806	0.98847	934	180.957	15.84131	0.99085
935	180.7446	15.34451	0.99166	935	181.276	17.80162	0.98572	935	184.0433	15.37876	0.98325	935	181.0268	16.08041	0.98852	935	181.1149	15.81142	0.99081
936	180.8915	15.31353	0.991	936	181.4166	17.77565	0.98568	936	184.2186	15.35186	0.98324	936	181.1878	16.04409	0.98859	936	181.3141	15.78103	0.99072
937	181.0723	15.2833	0.99094	937	181.6215	17.7456	0.98553	937	184.407	15.32281	0.98337	937	181.396	16.01475	0.98845	937	181.4783	15.75279	0.99071
938	181.2083	15.24407	0.9913	938	181.7836	17.72023	0.9855	938	184.5506	15.30207	0.9834	938	181.548	15.98241	0.98839	938	181.6444	15.72679	0.99079
939	181.4284	15.20262	0.99114	939	181.9635	17.69606	0.98557	939	184.727	15.27217	0.98328	939	181.7142	15.95434	0.98844	939	181.7974	15.6998	0.99078
940	181.5529	15.18317	0.99085	940	182.1077	17.67333	0.98559	940	184.9111	15.24505	0.98317	940	181.8778	15.91817	0.98851	940	181.9954	15.66917	0.99072
941	181.7384	15.15033	0.99069	941	182.3024	17.6441	0.98547	941	185.0848	15.21492	0.98327	941	182.0864	15.88732	0.98842	941	182.1642	15.64079	0.99071
942	181.9087	15.10492	0.9911	942	182.4775	17.62023	0.98538	942	185.2343	15.19207	0.98326	942	182.2258	15.85671	0.98831	942	182.3264	15.61625	0.99077
943	182.1038	15.08218	0.99146	943	182.6594	17.59517	0.98546	943	185.4048	15.1625	0.98308	943	182.4075	15.82796	0.98835	943	182.4772	15.58638	0.99076
944	182.2742	15.05133	0.99098	944	182.7962	17.57453	0.98551	944	185.5837	15.13437	0.98296	944	182.5591	15.79402	0.98842	944	182.6903	15.55517	0.99068
945	182.43	15.02453	0.9907	945	182.9666	17.54427	0.98535	945	185.765	15.10434	0.98305	945	182.7694	15.76341	0.98839	945	182.8442	15.5269	0.99063
946	182.5922	14.99691	0.99091	946	183.17	17.52311	0.98524	946	185.9184	15.08172	0.98308	946	182.9132	15.73377	0.9883	946	183.0197	15.5005	0.99071
947	182.7979	14.97296	0.99129	947	183.3465	17.49836	0.98528	947	186.075	15.05239	0.9829	947	183.095	15.70753	0.98832	947	183.1647	15.47271	0.99074
948	182.9461	14.92221	0.9914	948	183.4933	17.47912	0.98531	948	186.2731	15.02371	0.98279	948	183.2435	15.67202	0.98842	948	183.3697	15.44138	0.99065
949	183.1104	14.9466	0.99134	949	183.6826	17.44992	0.98521	949	186.4518	14.99456	0.98285	949	183.465	15.64043	0.98839	949	183.5341	15.40985	0.99061
950	183.2862	14.91231	0.99123	950	183.8586	17.42866	0.98509	950	186.6069	14.97285	0.98291	950	183.6048	15.61289	0.98824	950	183.7109	15.3843	0.9906

1011	193.7108	13.18811	0.98861	1011	194.3514	15.80519	0.98371	1011	197.0708	13.30848	0.98082	1011	194.0539	13.80345	0.98713	1011	194.151	13.66941	0.98976
1012	193.8834	13.1499	0.98864	1012	194.4932	15.77685	0.98356	1012	197.2192	13.28599	0.98095	1012	194.2226	13.77145	0.98701	1012	194.3185	13.64189	0.98978
1013	194.0609	13.11699	0.98837	1013	194.6624	15.751	0.98352	1013	197.4174	13.24986	0.9809	1013	194.412	13.74126	0.98695	1013	194.5176	13.60973	0.98981
1014	194.1939	13.08632	0.9883	1014	194.8442	15.71528	0.98357	1014	197.5882	13.22471	0.98072	1014	194.5859	13.71026	0.987	1014	194.6813	13.58757	0.98975
1015	194.4069	13.04115	0.98799	1015	195.0385	15.69059	0.98356	1015	197.7579	13.1924	0.98071	1015	194.743	13.68718	0.98707	1015	194.8379	13.55751	0.98966
1016	194.5824	13.02166	0.98783	1016	195.1752	15.66119	0.98341	1016	197.9055	13.16937	0.98081	1016	194.9012	13.65729	0.98698	1016	195.0133	13.52932	0.98966
1017	194.7602	13.00022	0.9879	1017	195.3601	15.63344	0.98335	1017	198.1011	13.15159	0.98076	1017	195.1019	13.62656	0.98692	1017	195.2051	13.49844	0.98971
1018	194.8942	13.00681	0.9879	1018	195.5257	15.60102	0.98345	1018	198.2795	13.10548	0.98055	1018	195.2691	13.59717	0.98697	1018	195.3711	13.47675	0.98967
1019	195.092	12.97146	0.98795	1019	195.7281	15.57616	0.9835	1019	198.4385	13.07466	0.98047	1019	195.4237	13.57344	0.98704	1019	195.5273	13.44524	0.98958
1020	195.2445	12.96174	0.98806	1020	195.8669	15.54722	0.98338	1020	198.5988	13.04939	0.98057	1020	195.5806	13.54357	0.98701	1020	195.6975	13.41791	0.98959
1021	195.4365	12.93454	0.98815	1021	196.0452	15.52233	0.98332	1021	198.7864	13.01409	0.98055	1021	195.7845	13.51188	0.98689	1021	195.8851	13.3857	0.98965
1022	195.5676	12.90831	0.98832	1022	196.2105	15.48989	0.98339	1022	198.9686	12.98801	0.98041	1022	195.9479	13.4814	0.98688	1022	196.063	13.36447	0.98964
1023	195.7589	12.88103	0.98812	1023	196.4165	15.46246	0.98344	1023	199.1306	12.95701	0.98029	1023	196.1142	13.45585	0.98693	1023	196.2107	13.33492	0.98954
1024	195.9294	12.84428	0.98811	1024	196.5486	15.43967	0.98329	1024	199.2925	12.93471	0.98039	1024	196.2654	13.42569	0.9869	1024	196.3887	13.30909	0.98949
1025	196.1023	12.80783	0.98803	1025	196.7356	15.4109	0.9832	1025	199.4646	12.89584	0.98044	1025	196.4669	13.39333	0.98672	1025	196.5756	13.28149	0.98953
1026	196.2549	12.79326	0.98807	1026	196.9009	15.3804	0.98328	1026	199.6593	12.87423	0.98027	1026	196.632	13.36182	0.98666	1026	196.7528	13.26189	0.98954
1027	196.4315	12.75484	0.98798	1027	197.1034	15.35162	0.98335	1027	199.8152	12.84228	0.98015	1027	196.8006	13.33598	0.98676	1027	196.897	13.23695	0.98946
1028	196.6259	12.74365	0.98775	1028	197.2435	15.33008	0.98326	1028	199.9793	12.81757	0.98021	1028	196.9466	13.30579	0.98676	1028	197.0718	13.21263	0.98941
1029	196.7806	12.69724	0.98774	1029	197.4217	15.29968	0.98314	1029	200.1494	12.78318	0.98027	1029	197.1582	13.27142	0.98661	1029	197.2562	13.18334	0.98944
1030	196.9453	12.65912	0.98753	1030	197.5854	15.27225	0.98319	1030	200.3485	12.75665	0.98019	1030	197.3131	13.24236	0.98658	1030	197.4431	13.15897	0.98948
1031	197.1159	12.62021	0.98742	1031	197.7901	15.24092	0.98326	1031	200.4968	12.72529	0.98008	1031	197.4848	13.21479	0.98668	1031	197.5909	13.13201	0.98939
1032	197.3082	12.59137	0.98732	1032	197.9355	15.21919	0.98315	1032	200.6693	12.69788	0.9801	1032	197.6281	13.18474	0.98675	1032	197.763	13.10721	0.98935
1033	197.4685	12.56456	0.98699	1033	198.1047	15.1896	0.983	1033	200.8338	12.66959	0.9802	1033	197.8384	13.15122	0.98664	1033	197.9418	13.07285	0.98936
1034	197.6162	12.54274	0.98655	1034	198.275	15.16184	0.98301	1034	201.0382	12.63578	0.98005	1034	197.9985	13.12179	0.98658	1034	198.1269	13.04936	0.98944
1035	197.7952	12.51058	0.98681	1035	198.4759	15.13057	0.98306	1035	201.1863	12.6071	0.97991	1035	198.1761	13.0936	0.98668	1035	198.2692	13.02017	0.98939
1036	197.9867	12.4893	0.98686	1036	198.6214	15.10649	0.98303	1036	201.3622	12.57776	0.9799	1036	198.3155	13.06532	0.98672	1036	198.4615	12.99356	0.98935
1037	198.1459	12.4607	0.98693	1037	198.7932	15.07649	0.98288	1037	201.515	12.542	0.98002	1037	198.5265	13.03112	0.98663	1037	198.6319	12.96088	0.9894
1038	198.3154	12.4236	0.98687	1038	198.9672	15.04824	0.9829	1038	201.7306	12.51173	0.97995	1038	198.6833	13.00431	0.98652	1038	198.8245	12.93402	0.98944
1039	198.4715	12.37379	0.98694	1039	199.1614	15.01761	0.98303	1039	201.8682	12.48118	0.97993	1039	198.8566	12.97394	0.98659	1039	198.9613	12.91009	0.98939
1040	198.6717	12.3417	0.98721	1040	199.3194	14.99422	0.98305	1040	202.0474	12.45219	0.97986	1040	199.0024	12.94682	0.98667	1040	199.1395	12.88035	0.9893
1041	198.8232	12.29667	0.98739	1041	199.4798	14.96567	0.98296	1041	202.2008	12.41806	0.97998	1041	199.2007	12.91038	0.9866	1041	199.3201	12.84964	0.9893
1042	198.9917	12.25692	0.98729	1042	199.6561	14.93651	0.98295	1042	202.4113	12.38733	0.97997	1042	199.3662	12.8846	0.98652	1042	199.5161	12.82192	0.98935
1043	199.1414	12.20387	0.98709	1043	199.8555	14.907	0.98306	1043	202.5557	12.35755	0.97976	1043	199.5413	12.85187	0.98653	1043	199.6503	12.79932	0.98933
1044	199.3568	12.16531	0.98701	1044	200.0078	14.88591	0.98308	1044	202.736	12.32858	0.97972	1044	199.6882	12.82863	0.98661	1044	199.8315	12.77006	0.98924
1045	199.5067	12.13522	0.98706	1045	200.1698	14.85594	0.98293	1045	202.8846	12.29826	0.97981	1045	199.8881	12.79006	0.98655	1045	200.0106	12.74003	0.98924
1046	199.6715	12.10701	0.98694	1046	200.3475	14.82889	0.98284	1046	203.1048	12.25616	0.9798	1046	200.0592	12.76107	0.98664	1046	200.1991	12.71092	0.98931
1047	199.829	12.06838	0.98682	1047	200.5333	14.79964	0.98288	1047	203.2525	12.2303	0.97962	1047	200.2258	12.73174	0.98664	1047	200.3447	12.69021	0.9893
1048	200.0358	12.02871	0.98697	1048	200.7024	14.77864	0.98291	1048	203.425	12.19408	0.97958	1048	200.3738	12.70613	0.98647	1048	200.5183	12.66114	0.98922
1049	200.174	11.99747	0.98702	1049	200.8572	14.74885	0.98276	1049	203.5792	12.16434	0.97964	1049	200.5737	12.66692	0.98646	1049	200.6997	12.63106	0.98919
1050	200.3627	11.9782	0.98723	1050	201.0352	14.71834	0.98266	1050	203.7872	12.12846	0.97966	1050	200.7455	12.63955	0.98635	1050	200.8858	12.60238	0.98925
1051	200.5003	11.95672	0.9874	1051	201.2236	14.68794	0.98271	1051	203.9393	12.10284	0.97948	1051	200.9065	12.60683	0.98631	1051	201.0347	12.5795	0.98928
1052	200.7162	11.93324	0.98731	1052	201.3914	14.66376	0.98276	1052	204.1126	12.06819	0.9794	1052	201.0634	12.58014	0.98636	1052	201.2011	12.54771	0.9892
1053	200.8726	11.91439	0.98731	1053	201.542	14.63121	0.98264	1053	204.2684	12.04032	0.97946	1053	201.2495	12.54155	0.98632	1053	201.3901	12.51754	0.98913
1054	201.0379	11.89497	0.98707	1054	201.7304	14.599	0.98255	1054	204.4698	12.00488	0.97952	1054	201.4296	12.51085	0.98621	1054	201.5761	12.48755	0.98919
1055	201.1882	11.85009	0.98686	1055	201.9103	14.56691	0.98257	1055	204.6331	11.97825	0.97937	1055	201.5902	12.47648	0.98612	1055	201.7235	12.46493	0.9892
1056	201.4026	11.81044	0.9866	1056	202.082	14.53958	0.98261	1056	204.7966	11.94461	0.97923	1056	201.7441	12.44782	0.98614	1056	201.8944	12.43257	0.98911
1057	201.545	11.77387	0.98619	1057	202.2276	14.50897	0.98252	1057	204.9564	11.91502	0.97932	1057	201.9347	12.40621	0.98616	1057	202.0765	12.40516	0.98905
1058	201.7318	11.71892	0.98608	1058	202.4203	14.47635	0.98237	1058	205.158	11.87745	0.97941	1058	202.1209	12.37705	0.98604	1058	202.2593	12.37485	0.98908
1059	201.8705	11.66989	0.9862	1059	202.5953	14.44409	0.9824	1059	205.3238	11.85269	0.9793	1059	202.2718	12.34205	0.98601	1059	202.4185	12.35169	0.98912
1060	202.081	11.61243	0.98616	1060	202.7764	14.41766	0.9825	1060	205.4826	11.81863	0.97915	1060	202.4402	12.31346	0.98606	1060	202.5739	12.32151	0.98905
1061	202.2236	11.59	0.9865	1061	202.9143	14.38744	0.98241	1061	205.6431	11.7909	0.97922	1061	202.6221	12.2744	0.98607	1061	202.7632	12.28946	0.98907
1062	202.4085	11.54342	0.98667	1062	203.1039	14.35512	0.98231	1062	205.833	11.75373	0.9793	1062	202.807	12.24569	0.98598				

1124	212.9701	9.52998	0.9843	1124	213.7667	12.35226	0.98078	1124	216.4831	9.82272	0.97704	1124	213.4204	10.47125	0.98478	1124	213.6116	10.42633	0.98796
1125	213.1579	9.48834	0.98437	1125	213.924	12.31592	0.98074	1125	216.6271	9.79352	0.97696	1125	213.6048	10.43585	0.98464	1125	213.7634	10.39615	0.98799
1126	213.3249	9.45797	0.98435	1126	214.0909	12.28783	0.98085	1126	216.7956	9.75614	0.97678	1126	213.7884	10.40648	0.9846	1126	213.9757	10.363	0.98796
1127	213.4816	9.42927	0.98421	1127	214.2657	12.24869	0.98087	1127	216.9759	9.71885	0.9767	1127	213.9632	10.37899	0.98468	1127	214.1302	10.33887	0.98786
1128	213.6509	9.39122	0.98415	1128	214.4571	12.21817	0.98075	1128	217.1645	9.68055	0.97679	1128	214.1051	10.35526	0.98472	1128	214.3061	10.30557	0.98779
1129	213.8334	9.35636	0.98404	1129	214.6116	12.18462	0.98065	1129	217.3114	9.64935	0.97679	1129	214.2933	10.32117	0.98463	1129	214.4498	10.28149	0.98785
1130	214.0209	9.32441	0.9841	1130	214.7764	12.15779	0.98068	1130	217.4838	9.61042	0.97667	1130	214.4734	10.29576	0.98457	1130	214.6605	10.24339	0.98786
1131	214.1689	9.29671	0.98392	1131	214.9483	12.11855	0.98069	1131	217.6652	9.5758	0.97663	1131	214.6512	10.26605	0.98464	1131	214.8186	10.22054	0.98776
1132	214.3345	9.27098	0.98391	1132	215.1446	12.09076	0.98058	1132	217.8465	9.53624	0.97676	1132	214.7998	10.24556	0.98472	1132	214.9837	10.18881	0.98769
1133	214.5239	9.23837	0.98385	1133	215.2887	12.05682	0.98045	1133	218.0001	9.50505	0.97682	1133	214.9742	10.21164	0.98466	1133	215.1413	10.16287	0.98775
1134	214.708	9.2099	0.98389	1134	215.4653	12.02773	0.98051	1134	218.1653	9.46629	0.97667	1134	215.1637	10.18711	0.98451	1134	215.3488	10.12674	0.98778
1135	214.8517	9.18	0.98399	1135	215.6294	11.99236	0.98055	1135	218.3468	9.42882	0.97659	1135	215.3327	10.1598	0.98453	1135	215.5063	10.10238	0.9877
1136	215.0221	9.15179	0.98397	1136	215.8342	11.96145	0.98049	1136	218.5347	9.39009	0.97665	1136	215.4802	10.13803	0.98461	1136	215.6744	10.07062	0.98765
1137	215.2024	9.11174	0.98414	1137	215.9776	11.92872	0.98037	1137	218.6869	9.3597	0.97668	1137	215.6596	10.10542	0.98449	1137	215.8321	10.0452	0.98769
1138	215.396	9.07966	0.98413	1138	216.1572	11.90032	0.98039	1138	218.848	9.32113	0.97649	1138	215.8496	10.08228	0.98437	1138	216.0293	10.00715	0.98772
1139	215.5342	9.04372	0.98409	1139	216.3128	11.86432	0.98046	1139	219.0373	9.28417	0.97638	1139	216.0151	10.05059	0.98442	1139	216.2021	9.9328	0.98765
1140	215.71	9.01627	0.98408	1140	216.5205	11.83369	0.9804	1140	219.2109	9.2472	0.97644	1140	216.1714	10.03542	0.9845	1140	216.3597	9.95002	0.98759
1141	215.8872	8.97566	0.98394	1141	216.6659	11.80013	0.98028	1141	219.3766	9.21685	0.97647	1141	216.3423	10.0048	0.98443	1141	216.5229	9.9238	0.98762
1142	216.0772	8.94289	0.98398	1142	216.8421	11.77176	0.98024	1142	219.5394	9.18109	0.97632	1142	216.5342	9.98075	0.98432	1142	216.7135	9.88558	0.98767
1143	216.2093	8.91699	0.98386	1143	216.9977	11.73514	0.98032	1143	219.7198	9.14443	0.97621	1143	216.7019	9.95464	0.98431	1143	216.8909	9.86074	0.98763
1144	216.397	8.88174	0.9837	1144	217.2069	11.70318	0.98028	1144	219.9012	9.10542	0.9763	1144	216.8634	9.93488	0.98441	1144	217.038	9.82601	0.98755
1145	216.5738	8.85083	0.98377	1145	217.3476	11.67047	0.98013	1145	220.0708	9.07479	0.97639	1145	217.0246	9.90392	0.98435	1145	217.2098	9.79773	0.98758
1146	216.7606	8.82084	0.98392	1146	217.5332	11.63692	0.98007	1146	220.2167	9.03826	0.97631	1146	217.2281	9.87904	0.98421	1146	217.3969	9.7591	0.98761
1147	216.8955	8.79262	0.98395	1147	217.6831	11.60356	0.98018	1147	220.4067	9.00075	0.97621	1147	217.3798	9.8544	0.98414	1147	217.5814	9.731	0.98757
1148	217.0773	8.76292	0.98391	1148	217.896	11.56911	0.98014	1148	220.5844	8.96323	0.97623	1148	217.5476	9.83248	0.98419	1148	217.7285	9.6961	0.98748
1149	217.2498	8.72964	0.98371	1149	218.0381	11.53971	0.98002	1149	220.7568	8.9322	0.97629	1149	217.7077	9.80287	0.98416	1149	217.9013	9.66808	0.98746
1150	217.4481	8.69354	0.9837	1150	218.2142	11.50572	0.97993	1150	220.9039	8.89669	0.97618	1150	217.9095	9.77814	0.98401	1150	218.0813	9.62921	0.98753
1151	217.5811	8.66772	0.9836	1151	218.369	11.4721	0.97997	1151	221.0976	8.86137	0.97599	1151	218.0597	9.75103	0.98395	1151	218.2753	9.59979	0.98751
1152	217.7578	8.62676	0.98321	1152	218.5851	11.43543	0.97999	1152	221.2663	8.82512	0.97595	1152	218.2376	9.72718	0.98402	1152	218.4124	9.56799	0.98742
1153	217.9454	8.58877	0.98296	1153	218.7266	11.40647	0.97987	1153	221.4465	8.79306	0.97601	1153	218.3838	9.69894	0.98404	1153	218.5913	9.53663	0.98742
1154	218.1216	8.5501	0.98272	1154	218.9026	11.37125	0.97981	1154	221.597	8.75994	0.976	1154	218.5968	9.67074	0.98393	1154	218.7679	9.49829	0.98745
1155	218.2701	8.52776	0.98266	1155	219.0608	11.33728	0.97989	1155	221.7823	8.72294	0.97585	1155	218.7523	9.64418	0.98387	1155	218.9596	9.46891	0.98744
1156	218.4369	8.49253	0.98254	1156	219.2648	11.30055	0.97996	1156	221.9574	8.68761	0.97581	1156	218.9254	9.62004	0.98397	1156	219.0996	9.43462	0.98736
1157	218.6191	8.45378	0.98253	1157	219.4144	11.27292	0.97987	1157	222.1398	8.65287	0.9759	1157	219.0762	9.59066	0.98401	1157	219.281	9.40381	0.98733
1158	218.7999	8.41919	0.98255	1158	219.5838	11.23655	0.97975	1158	222.2802	8.6278	0.97589	1158	219.2889	9.56379	0.98392	1158	219.4486	9.36722	0.98741
1159	218.9502	8.3925	0.9827	1159	219.746	11.20336	0.97977	1159	222.4676	8.5894	0.97581	1159	219.4347	9.53717	0.98384	1159	219.6601	9.33492	0.98744
1160	219.1188	8.36554	0.98263	1160	219.9492	11.1645	0.97982	1160	222.6433	8.5592	0.97563	1160	219.6146	9.51366	0.98386	1160	219.787	9.30353	0.98738
1161	219.305	8.31881	0.98261	1161	220.1104	11.13654	0.97977	1161	222.8202	8.52491	0.97573	1161	219.7569	9.48593	0.98396	1161	219.9657	9.27224	0.98731
1162	219.4834	8.27059	0.9827	1162	220.2695	11.09806	0.97955	1162	222.9738	8.49435	0.97575	1162	219.9222	9.45833	0.98389	1162	220.1399	9.23588	0.98736
1163	219.6329	8.24194	0.98268	1163	220.4337	11.06396	0.97954	1163	223.1497	8.45416	0.97568	1163	220.121	9.4336	0.98378	1163	220.3426	9.20237	0.98738
1164	219.7975	8.20153	0.98255	1164	220.6315	11.02623	0.97962	1164	223.3131	8.42032	0.97566	1164	220.2988	9.4071	0.98377	1164	220.4753	9.17282	0.98727
1165	219.988	8.15985	0.98255	1165	220.7956	10.99612	0.97955	1165	223.5052	8.3837	0.97562	1165	220.4404	9.38187	0.98385	1165	220.6602	9.13956	0.98717
1166	220.1568	8.11038	0.98254	1166	220.955	10.96561	0.97943	1166	223.6603	8.35099	0.97572	1166	220.6615	9.34891	0.98381	1166	220.8225	9.10504	0.9872
1167	220.3202	8.08098	0.98273	1167	221.1222	10.92169	0.97942	1167	223.8377	8.30845	0.97553	1167	220.8076	9.32721	0.98367	1167	221.0269	9.06719	0.98724
1168	220.4758	8.04513	0.98253	1168	221.3157	10.88143	0.97956	1168	224.0275	8.27408	0.97539	1168	220.981	9.29673	0.98366	1168	221.1676	9.0362	0.98717
1169	220.66	8.01092	0.98228	1169	221.4901	10.8515	0.97955	1169	224.1976	8.23749	0.97545	1169	221.1336	9.27108	0.98373	1169	221.3441	9.00032	0.98709
1170	220.8401	7.96578	0.98221	1170	221.6379	10.81416	0.97946	1170	224.3498	8.20657	0.97551	1170	221.3431	9.23747	0.98375	1170	221.5128	8.96393	0.98712
1171	221.0062	7.93599	0.98225	1171	221.8092	10.77683	0.97942	1171	224.5164	8.16573	0.97543	1171	221.4975	9.21198	0.98364	1171	221.7151	8.92537	0.9872
1172	221.1359	7.88985	0.98209	1172	222.0016	10.73639	0.9795	1172	224.7105	8.13063	0.97528	1172	221.6681	9.17757	0.98357	1172	221.86	8.89564	0.98717
1173	221.3361	7.83947	0.98182	1173	222.1745	10.70594	0.97949	1173	224.8772	8.09351	0.97534	1173	221.8163	9.15037	0.98365	1173	222.0327	8.85956	0.98707
1174	221.5173	7.78927	0.98189	1174	222.3249	10.6662	0.97934	1174	225.0464	8.06376	0.9754	1174	222.0258	9.11409	0.98367	1174	222.2086	8.82374	0.98708
1175	221.6781	7.73912	0.98202	1175	222.5033	10.62992	0.97925	1175	225.2194	8.02457	0.97532	1175	222.1863	9.08845	0.98352	1175	222.403	8.78692	0.98713
1176	221.841	7.68492	0.98193	1176	222.68	10.58705	0.97932	1176	225.3989	7.									

1237	232.2338	5.40182	0.97983	1237	233.1526	8.36989	0.97721	1237	235.9083	5.92235	0.97264	1237	232.8028	7.35114	0.98194	1237	233.0316	6.56631	0.98579
1238	232.4233	5.35904	0.97984	1238	233.3324	8.32845	0.97722	1238	236.062	5.89553	0.9725	1238	232.9954	7.21654	0.98177	1238	233.1808	6.52896	0.98582
1239	232.591	5.32679	0.9797	1239	233.4766	8.29603	0.9773	1239	236.2321	5.85872	0.97242	1239	233.1663	7.28196	0.98173	1239	233.3857	6.48753	0.98574
1240	232.7575	5.28667	0.97956	1240	233.6548	8.25163	0.97724	1240	236.3842	5.82816	0.97255	1240	233.3432	7.25456	0.98176	1240	233.5476	6.44844	0.98565
1241	232.9159	5.24673	0.97958	1241	233.8427	8.21634	0.97709	1241	236.5809	5.78552	0.9726	1241	233.4867	7.22312	0.98172	1241	233.7184	6.41427	0.98571
1242	233.107	5.19937	0.97959	1242	234.0061	8.17566	0.97711	1242	236.7515	5.75334	0.97246	1242	233.6824	7.18838	0.9816	1242	233.8616	6.3797	0.98574
1243	233.2824	5.16407	0.97943	1243	234.1665	8.14259	0.97724	1243	236.9152	5.71237	0.97238	1243	233.8558	7.15427	0.98157	1243	234.0691	6.33732	0.9857
1244	233.4405	5.12323	0.97935	1244	234.3399	8.09915	0.97718	1244	237.0684	5.67869	0.97247	1244	234.0289	7.12734	0.98165	1244	234.2278	6.30144	0.98563
1245	233.6091	5.08338	0.97934	1245	234.5311	8.0654	0.97703	1245	237.2408	5.63088	0.97253	1245	234.1716	7.09723	0.98169	1245	234.4036	6.26542	0.98565
1246	233.7842	5.04534	0.97941	1246	234.6917	8.02895	0.97697	1246	237.4149	5.59392	0.97238	1246	234.3686	7.06335	0.9816	1246	234.5501	6.2302	0.9857
1247	233.9735	5.01171	0.97937	1247	234.8538	7.9972	0.97707	1247	237.5929	5.55089	0.97227	1247	234.5315	7.03452	0.98151	1247	234.7542	6.18918	0.98563
1248	234.1297	4.97351	0.97923	1248	235.0153	7.95618	0.97703	1248	237.7584	5.51248	0.97237	1248	234.7111	7.00213	0.98156	1248	234.9167	6.15328	0.98557
1249	234.2881	4.94271	0.97919	1249	235.2163	7.92008	0.97686	1249	237.9396	5.46431	0.97236	1249	234.8536	6.97578	0.98158	1249	235.0902	6.11512	0.98556
1250	234.4626	4.89983	0.97918	1250	235.3727	7.88615	0.97679	1250	238.1223	5.42503	0.97218	1250	235.0439	6.93864	0.98146	1250	235.2324	6.08294	0.98562
1251	234.6561	4.86422	0.9792	1251	235.5409	7.85231	0.97687	1251	238.2802	5.38044	0.97203	1251	235.2196	6.90855	0.98137	1251	235.435	6.03997	0.98555
1252	234.8034	4.82352	0.97909	1252	235.7011	7.80857	0.97686	1252	238.4444	5.3432	0.97206	1252	235.3995	6.87601	0.98139	1252	235.6026	6.00649	0.98547
1253	234.9721	4.78886	0.97911	1253	235.9019	7.77432	0.97674	1253	238.6151	5.29248	0.97208	1253	235.5381	6.84831	0.98141	1253	235.7698	5.96927	0.98546
1254	235.1387	4.74615	0.9791	1254	236.0591	7.73619	0.97665	1254	238.8093	5.25285	0.9719	1254	235.7036	6.80927	0.98132	1254	235.9206	5.93798	0.98552
1255	235.3285	4.70971	0.97906	1255	236.2266	7.7033	0.9767	1255	238.9573	5.20861	0.97175	1255	235.9103	6.78025	0.98121	1255	236.115	5.89612	0.98547
1256	235.5187	4.66922	0.97896	1256	236.3814	7.66206	0.97669	1256	239.1257	5.16772	0.97178	1256	236.0757	6.74499	0.98128	1256	236.2873	5.86312	0.98537
1257	235.6572	4.63521	0.97886	1257	236.5916	7.62287	0.97654	1257	239.297	5.11745	0.97183	1257	236.2287	6.71785	0.98136	1257	236.4534	5.82627	0.98534
1258	235.8154	4.59157	0.97885	1258	236.7482	7.58593	0.97645	1258	239.4911	5.07866	0.97172	1258	236.4095	6.67747	0.98129	1258	236.6097	5.79805	0.98537
1259	236.0244	4.55303	0.97873	1259	236.915	7.55135	0.9765	1259	239.6385	5.03414	0.97154	1259	236.59	6.647	0.98121	1259	236.7994	5.75698	0.98537
1260	236.1691	4.51255	0.97859	1260	237.0649	7.5089	0.97652	1260	239.8151	4.99485	0.97153	1260	236.7564	6.60996	0.98125	1260	236.9844	5.72687	0.98526
1261	236.3414	4.47506	0.97864	1261	237.2765	7.46956	0.97642	1261	239.9707	4.94654	0.97163	1261	236.9109	6.58371	0.98133	1261	237.1439	5.69176	0.98522
1262	236.4989	4.42745	0.97867	1262	237.4249	7.43111	0.9763	1262	240.1736	4.90559	0.97155	1262	237.0855	6.54326	0.98129	1262	237.2999	5.66361	0.98527
1263	236.7087	4.38828	0.97869	1263	237.6036	7.39159	0.97633	1263	240.3239	4.86057	0.97137	1263	237.2784	6.50997	0.98112	1263	237.4831	5.62304	0.98527
1264	236.8484	4.35032	0.97857	1264	237.7516	7.35353	0.97637	1264	240.4981	4.82024	0.97133	1264	237.4395	6.47505	0.98108	1264	237.6675	5.5935	0.98516
1265	237.0313	4.31092	0.97853	1265	237.9631	7.31083	0.97625	1265	240.6549	4.77662	0.97135	1265	237.5995	6.44609	0.98116	1265	237.8218	5.55721	0.9851
1266	237.1754	4.2687	0.97858	1266	238.1137	7.27452	0.9761	1266	240.8664	4.72958	0.97127	1266	237.7718	6.40606	0.98115	1266	237.9935	5.52797	0.98511
1267	237.3393	4.22669	0.97853	1267	238.2879	7.23613	0.97609	1267	241.1003	4.68743	0.97106	1267	237.9607	6.3749	0.98098	1267	238.1594	5.49824	0.98512
1268	237.5294	4.19298	0.97841	1268	238.4311	7.19916	0.97614	1268	241.3236	4.64441	0.97098	1268	238.118	6.33792	0.98095	1268	238.3334	5.45861	0.98502
1269	237.7054	4.15716	0.9783	1269	238.6481	7.15648	0.97608	1269	241.3394	4.59982	0.97104	1269	238.2881	6.30631	0.98102	1269	238.5046	5.42313	0.98493
1270	237.8654	4.11807	0.97831	1270	238.8032	7.12169	0.97593	1270	241.5436	4.55555	0.97099	1270	238.4498	6.26607	0.98101	1270	238.6749	5.39269	0.98495
1271	238.0774	4.06801	0.9783	1271	238.9735	7.08126	0.97586	1271	241.6877	4.51688	0.97085	1271	238.649	6.23257	0.98087	1271	238.8467	5.35078	0.98496
1272	238.2165	4.03599	0.97818	1272	239.1221	7.04582	0.97591	1272	241.8688	4.47238	0.97077	1272	238.8052	6.19417	0.98078	1272	239.0496	5.31853	0.98488
1273	238.3944	3.99285	0.978	1273	239.3254	7.00382	0.97585	1273	242.0134	4.42961	0.97086	1273	238.9703	6.16204	0.98083	1273	239.1899	5.28116	0.98477
1274	238.5471	3.95321	0.97794	1274	239.4867	6.96959	0.97567	1274	242.2253	4.38232	0.97085	1274	239.1303	6.12119	0.98087	1274	239.3633	5.24834	0.98477
1275	238.7461	3.90792	0.97794	1275	239.6604	6.92648	0.97561	1275	242.3796	4.34478	0.97067	1275	239.3349	6.08614	0.98076	1275	239.5237	5.20706	0.98484
1276	238.9031	3.87158	0.97776	1276	239.8061	6.89428	0.97566	1276	242.547	4.29797	0.97056	1276	239.4842	6.04923	0.9807	1276	239.7248	5.16894	0.98476
1277	239.0689	3.82692	0.97768	1277	240.0082	6.84826	0.97565	1277	242.7077	4.25461	0.97059	1277	239.6594	6.01562	0.98077	1277	239.869	5.1305	0.98465
1278	239.225	3.78279	0.97765	1278	240.1784	6.81325	0.97547	1278	242.9116	4.20638	0.97064	1278	239.8152	5.97658	0.98082	1278	240.0495	5.09413	0.98463
1279	239.4311	3.73421	0.9777	1279	240.3355	6.77319	0.97541	1279	243.0667	4.16598	0.97047	1279	240.0199	5.94216	0.98075	1279	240.198	5.05107	0.98468
1280	239.5884	3.69784	0.97768	1280	240.494	6.74093	0.97549	1280	243.2324	4.11921	0.97035	1280	240.1705	5.90598	0.98064	1280	240.4092	5.01294	0.98465
1281	239.7473	3.6496	0.97752	1281	240.6975	6.69615	0.97548	1281	243.3892	4.07742	0.97034	1281	240.3471	5.87437	0.98063	1281	240.5512	4.97342	0.98453
1282	239.9079	3.60878	0.97757	1282	240.8642	6.66208	0.97536	1282	243.5888	4.02821	0.9704	1282	240.494	5.83694	0.98065	1282	240.7285	4.93588	0.98453
1283	240.1092	3.56289	0.97764	1283	241.0264	6.61964	0.97526	1283	243.7523	3.98835	0.97025	1283	240.7064	5.80312	0.98056	1283	240.8847	4.89097	0.9846
1284	240.2737	3.5285	0.97752	1284	241.1886	6.58807	0.97531	1284	243.9076	3.94395	0.97007	1284	240.8486	5.76868	0.98045	1284	241.0952	4.85211	0.98455
1285	240.4356	3.48214	0.97746	1285	241.3724	6.54144	0.97533	1285	244.0724	3.90308	0.97003	1285	241.0289	5.73502	0.98044	1285	241.314	4.81377	0.98445
1286	240.5954	3.44237	0.97738	1286	241.558	6.5063	0.97515	1286	244.2636	3.85473	0.97009	1286	241.1804	5.69698	0.98048	1286	241.4152	4.7718	0.98442
1287	240.7873	3.395	0.97735	1287	241.715	6.46363	0.97503	1287	244.4333	3.81681	0.97001	1287	241.3873	5.66112	0.98045	1287	241.5671	4.73006	0.98447
1288	240.9611	3.35799	0.97721	1288	241.877	6.42892	0.975	1288	244.5896	3.76983	0.96983	1288	241.5343	5.62574	0.98034	1288	241.7762	4.68606	0.98449
1289	241.1057	3.30996	0.977	1289	242.0556	6.38432	0.97499	1289	244.7602	3.72872	0.96982	1289	241.7177	5.58815	0.98033	1289			

1350	251.5185	0.67645	0.97341	1350	252.5017	3.79532	0.97112	1350	255.2148	1.20996	0.96507	1350	252.1334	3.24498	0.97791	1350	252.2591	1.86379	0.9817
1351	251.6999	0.62667	0.9732	1351	252.69	3.75068	0.9712	1351	255.3964	1.16676	0.96492	1351	252.3245	3.2047	0.97777	1351	252.4064	1.82077	0.98161
1352	251.8766	0.58027	0.97313	1352	252.8324	3.70946	0.97114	1352	255.5813	1.12559	0.96495	1352	252.5012	3.16058	0.97773	1352	252.5956	1.77599	0.98151
1353	252.0566	0.53172	0.97313	1353	253.0134	3.66075	0.97093	1353	255.7293	1.08787	0.96491	1353	252.6638	3.12574	0.97778	1353	252.7705	1.73269	0.98148
1354	252.2049	0.49349	0.97316	1354	253.1908	3.61349	0.97084	1354	255.896	1.04356	0.96469	1354	252.8181	3.08284	0.97769	1354	252.9356	1.69636	0.98152
1355	252.3842	0.44957	0.97298	1355	253.3782	3.56692	0.97086	1355	256.0833	0.99873	0.96458	1355	253.0159	3.04099	0.97752	1355	253.0899	1.65306	0.98141
1356	252.5674	0.39306	0.97286	1356	253.5242	3.52705	0.97077	1356	256.2615	0.95568	0.96464	1356	253.1793	2.99873	0.97749	1356	253.281	1.61133	0.98129
1357	252.7496	0.35053	0.97286	1357	253.6903	3.47918	0.97056	1357	256.4158	0.91896	0.96463	1357	253.351	2.96285	0.97751	1357	253.4497	1.56783	0.98124
1358	252.89	0.30966	0.97278	1358	253.8763	3.43127	0.97041	1358	256.5797	0.87478	0.96445	1358	253.5002	2.92185	0.97739	1358	253.6233	1.53108	0.98124
1359	253.0677	0.26139	0.9726	1359	254.0554	3.38612	0.9704	1359	256.7647	0.831	0.96434	1359	253.6901	2.87629	0.97722	1359	253.7652	1.49256	0.98117
1360	253.2534	0.21673	0.97238	1360	254.2053	3.34785	0.97037	1360	256.9487	0.78725	0.96432	1360	253.8632	2.83371	0.97713	1360	253.9532	1.44862	0.98103
1361	253.425	0.1702	0.9723	1361	254.3746	3.30051	0.97016	1361	257.1079	0.75254	0.96428	1361	254.0332	2.7953	0.97718	1361	254.1255	1.40553	0.98098
1362	253.5769	0.13217	0.97231	1362	254.5579	3.25535	0.97004	1362	257.2606	0.70984	0.9641	1362	254.1797	2.75346	0.97714	1362	254.2958	1.37042	0.981
1363	253.7407	0.08134	0.97217	1363	254.7342	3.20818	0.97001	1363	257.4509	0.66458	0.96392	1363	254.3793	2.7083	0.97703	1363	254.4391	1.33058	0.98097
1364	253.9269	0.0332	0.97215	1364	254.8918	3.17041	0.97	1364	257.6288	0.61792	0.96391	1364	254.5405	2.66399	0.97696	1364	254.634	1.28608	0.98082
1365	254.105	-0.01644	0.97212	1365	255.0541	3.12515	0.96982	1365	257.7926	0.57981	0.96391	1365	254.7157	2.62532	0.97701	1365	254.7956	1.24483	0.98076
1366	254.2605	-0.05913	0.97212	1366	255.2429	3.07928	0.9697	1366	257.9443	0.53486	0.96369	1366	254.8601	2.58382	0.977	1366	254.9728	1.20175	0.98077
1367	254.4232	-0.11005	0.97208	1367	255.4217	3.03286	0.96966	1367	258.1405	0.48836	0.96351	1367	255.055	2.53607	0.97686	1367	255.1216	1.16145	0.98075
1368	254.617	-0.1587	0.97193	1368	255.576	2.99562	0.96968	1368	258.3074	0.44211	0.96343	1368	255.2226	2.49165	0.97674	1368	255.3055	1.11239	0.98058
1369	254.7878	-0.2055	0.97191	1369	255.7341	2.95071	0.96953	1369	258.4801	0.40039	0.96342	1369	255.3965	2.45006	0.97676	1369	255.4807	1.07008	0.98048
1370	254.9415	-0.24852	0.97181	1370	255.928	2.90486	0.96939	1370	258.6282	0.35454	0.96321	1370	255.5378	2.40936	0.97676	1370	255.6562	1.02172	0.98047
1371	255.1026	-0.29809	0.97175	1371	256.0987	2.85782	0.96935	1371	258.8164	0.3055	0.96296	1371	255.7355	2.3591	0.97661	1371	255.7976	0.982	0.98045
1372	255.2952	-0.34634	0.97168	1372	256.2667	2.81812	0.96934	1372	258.9949	0.25672	0.96284	1372	255.9047	2.31591	0.97651	1372	255.9808	0.9306	0.98032
1373	255.4646	-0.38981	0.97164	1373	256.418	2.77307	0.96922	1373	259.1672	0.21398	0.96284	1373	256.0771	2.27176	0.97652	1373	256.1589	0.88688	0.98024
1374	255.628	-0.43586	0.97162	1374	256.6097	2.72628	0.96904	1374	259.3107	0.16492	0.96269	1374	256.2255	2.23248	0.97654	1374	256.3265	0.84047	0.98023
1375	255.7781	-0.48536	0.97159	1375	256.7831	2.67976	0.96895	1375	259.5059	0.11494	0.96241	1375	256.4159	2.18221	0.97642	1375	256.4785	0.79933	0.98021
1376	255.9747	-0.53636	0.97141	1376	256.9554	2.63867	0.96894	1376	259.6742	0.06458	0.96229	1376	256.5841	2.13926	0.97628	1376	256.6556	0.74793	0.98013
1377	256.148	-0.58491	0.97135	1377	257.1011	2.59453	0.96882	1377	259.8519	0.0175	0.96235	1377	256.7578	2.09432	0.97624	1377	256.836	0.70513	0.97998
1378	256.3112	-0.62817	0.97131	1378	257.298	2.54753	0.96859	1378	259.9981	-0.03223	0.96228	1378	256.9045	2.0551	0.97632	1378	257.0053	0.65997	0.97993
1379	256.4626	-0.68034	0.97119	1379	257.4676	2.50088	0.96847	1379	260.1889	-0.08231	0.96203	1379	257.0893	2.00287	0.9762	1379	257.1573	0.6186	0.97991
1380	256.6607	-0.73006	0.97101	1380	257.6432	2.45912	0.9684	1380	260.3558	-0.13193	0.96188	1380	257.2713	1.96045	0.97603	1380	257.333	0.56979	0.97978
1381	256.8255	-0.78212	0.97085	1381	257.7885	2.41396	0.96828	1381	260.5373	-0.18258	0.96191	1381	257.4353	1.91693	0.97599	1381	257.5273	0.52507	0.97963
1382	256.9969	-0.82789	0.97084	1382	257.9784	2.36656	0.96805	1382	260.6791	-0.22761	0.9619	1382	257.5879	1.87813	0.97607	1382	257.6847	0.48125	0.97959
1383	257.1467	-0.87767	0.97076	1383	258.1472	2.32072	0.96793	1383	260.8655	-0.28226	0.96165	1383	257.7115	1.8274	0.97601	1383	257.8437	0.44064	0.97958
1384	257.3402	-0.92987	0.97051	1384	258.3268	2.27553	0.96792	1384	261.0473	-0.3302	0.96147	1384	257.9529	1.78653	0.97584	1384	258.0074	0.38977	0.9795
1385	257.5084	-0.97683	0.97039	1385	258.4693	2.23454	0.96789	1385	261.2195	-0.37956	0.96146	1385	258.1157	1.74004	0.97577	1385	258.2044	0.34583	0.97937
1386	257.6793	-1.02306	0.97036	1386	258.6624	2.18386	0.96768	1386	261.3649	-0.42475	0.96145	1386	258.2757	1.70107	0.9758	1386	258.3601	0.2978	0.97929
1387	257.8176	-1.07175	0.97034	1387	258.8358	2.14084	0.96756	1387	261.5476	-0.47492	0.96123	1387	258.4478	1.65117	0.97573	1387	258.5301	0.25502	0.97928
1388	258.0209	-1.12814	0.97022	1388	259.0074	2.0952	0.96755	1388	261.7276	-0.52645	0.96102	1388	258.6402	1.60801	0.97554	1388	258.6816	0.20552	0.97924
1389	258.1928	-1.17601	0.97008	1389	259.1548	2.05356	0.96752	1389	261.9025	-0.57772	0.96094	1389	258.8015	1.56156	0.97542	1389	258.882	0.16018	0.97909
1390	258.3604	-1.22643	0.97011	1390	259.3495	2.00138	0.96731	1390	262.0574	-0.62079	0.9609	1390	258.9601	1.52145	0.97547	1390	259.0439	0.11493	0.97899
1391	258.5057	-1.2745	0.97009	1391	259.5196	1.95734	0.96713	1391	262.2251	-0.67442	0.96061	1391	259.1318	1.47047	0.9754	1391	259.2072	0.07319	0.97896
1392	258.6975	-1.32929	0.96995	1392	259.693	1.90936	0.96713	1392	262.415	-0.72337	0.96033	1392	259.328	1.42989	0.97523	1392	259.3654	0.02671	0.97892
1393	258.8711	-1.37817	0.96983	1393	259.8429	1.86669	0.96715	1393	262.5865	-0.77349	0.96022	1393	259.4738	1.38364	0.97509	1393	259.5749	-0.01729	0.97877
1394	259.049	-1.43046	0.96974	1394	260.0215	1.81405	0.96694	1394	262.7393	-0.81851	0.96018	1394	259.6464	1.34406	0.97508	1394	259.7223	-0.06145	0.97865
1395	259.1915	-1.47067	0.96972	1395	260.2033	1.76864	0.96676	1395	262.9084	-0.87348	0.95996	1395	259.8099	1.29553	0.97505	1395	259.8931	-0.10271	0.97862
1396	259.3778	-1.52782	0.9696	1396	260.376	1.71819	0.96673	1396	263.1075	-0.92308	0.95971	1396	260.0083	1.25305	0.97485	1396	260.0435	-0.14864	0.9786
1397	259.5558	-1.57929	0.96942	1397	260.5261	1.67339	0.96672	1397	263.2658	-0.97	0.95963	1397	260.1626	1.20692	0.97468	1397	260.2478	-0.19498	0.97847
1398	259.7194	-1.63334	0.96934	1398	260.7051	1.61927	0.96657	1398	263.4287	-1.01756	0.95963	1398	260.3345	1.1647	0.9747	1398	260.401	-0.23984	0.97835
1399	259.8723	-1.68186	0.96932	1399	260.8897	1.57116	0.96634	1399	263.5878	-1.07083	0.95948	1399	260.4888	1.11331	0.97467	1399	260.5735	-0.28279	0.97832
1400	260.0502	-1.73934	0.96918	1400	261.0519	1.52023	0.96627	1400	263.7855	-1.1212	0.95923	1400	260.6494	1.06702	0.97452	1400	260.7135	-0.33231	0.97832
1401	260.237	-1.78854	0.96902	1401	261.2138	1.47199	0.96623	1401	263.9475	-1.17405	0.95915	1401	260.8398	1.02197	0.97438	1401	260.928	-0.38301	0.97817
1402	260.3966	-1.84609	0.96892	1402	261.3866	1.4174	0.96609	1402	264.1144	-1.21592	0.95918	1402	261.0159	0.97714	0.97435	1402	261.0797		

1463	270.7727	-5.28747	0.96102	1463	271.7777	-1.8876	0.95644	1463	274.566	-4.27434	0.94804	1463	271.4061	-1.98466	0.96802	1463	271.4628	-3.60019	0.97115
1464	270.9483	-5.34779	0.96086	1464	271.9866	-1.95091	0.95629	1464	274.7254	-4.3259	0.94793	1464	271.5898	-2.03869	0.96788	1464	271.6212	-3.66001	0.97095
1465	271.1031	-5.41879	0.96072	1465	272.1242	-2.00835	0.956	1465	274.9184	-4.38665	0.94775	1465	271.7665	-2.09405	0.96785	1465	271.7965	-3.71864	0.9708
1466	271.3173	-5.4841	0.96052	1466	272.3038	-2.0728	0.95577	1466	275.091	-4.4379	0.9474	1466	271.9299	-2.14299	0.96778	1466	271.9791	-3.78146	0.97075
1467	271.4502	-5.54583	0.96023	1467	272.4638	-2.13609	0.95564	1467	275.2471	-4.49564	0.94708	1467	272.0812	-2.1957	0.96756	1467	272.1552	-3.83489	0.97063
1468	271.6321	-5.61288	0.96003	1468	272.6676	-2.1978	0.9555	1468	275.4157	-4.54662	0.947	1468	272.2716	-2.25122	0.96734	1468	272.3039	-3.89356	0.97041
1469	271.7878	-5.67617	0.95993	1469	272.8105	-2.25224	0.95521	1469	275.5986	-4.6097	0.94689	1469	272.4518	-2.30715	0.96727	1469	272.4743	-3.95071	0.97024
1470	271.994	-5.74533	0.95973	1470	272.9851	-2.31531	0.95489	1470	275.7824	-4.66467	0.94657	1470	272.6094	-2.35437	0.96724	1470	272.6588	-4.01219	0.97016
1471	272.138	-5.80332	0.95948	1471	273.1404	-2.37437	0.95474	1471	275.9321	-4.72298	0.94632	1471	272.7674	-2.41018	0.96702	1471	272.8387	-4.06441	0.97005
1472	272.3149	-5.86635	0.95934	1472	273.3411	-2.43956	0.95456	1472	276.0946	-4.77694	0.94621	1472	272.9552	-2.46463	0.96676	1472	272.9761	-4.12235	0.96979
1473	272.4653	-5.92769	0.95922	1473	273.4941	-2.49538	0.95425	1473	276.278	-4.84207	0.94613	1473	273.1277	-2.52168	0.96667	1473	273.157	-4.18021	0.96956
1474	272.6711	-5.99402	0.95902	1474	273.6606	-2.55939	0.95393	1474	276.4684	-4.89633	0.94581	1474	273.2936	-2.57085	0.96667	1474	273.337	-4.24034	0.96947
1475	272.8218	-6.0506	0.95877	1475	273.8245	-2.62227	0.95375	1475	276.6127	-4.95661	0.94543	1475	273.4446	-2.62574	0.96647	1475	273.5159	-4.2933	0.96935
1476	272.9914	-6.11539	0.95855	1476	274.023	-2.68766	0.9536	1476	276.7885	-5.01191	0.94521	1476	273.6346	-2.68187	0.96619	1476	273.6601	-4.35417	0.96913
1477	273.148	-6.1743	0.95849	1477	274.1764	-2.74587	0.95334	1477	276.9571	-5.07651	0.9451	1477	273.8072	-2.73941	0.96605	1477	273.8355	-4.41044	0.96892
1478	273.3505	-6.24151	0.95831	1478	274.3419	-2.81205	0.95308	1478	277.1489	-5.13459	0.94479	1478	273.9753	-2.78709	0.96599	1478	274.0125	-4.47493	0.96882
1479	273.5037	-6.30143	0.95811	1479	274.5046	-2.875	0.95293	1479	277.2967	-5.19785	0.94436	1479	274.121	-2.84075	0.96587	1479	274.2059	-4.53094	0.96873
1480	273.6731	-6.36893	0.95792	1480	274.6911	-2.94167	0.95281	1480	277.4965	-5.25467	0.94412	1480	274.3192	-2.8982	0.96562	1480	274.3364	-4.59101	0.96849
1481	273.8303	-6.4271	0.95774	1481	274.8602	-2.99992	0.9526	1481	277.6331	-5.32372	0.94397	1481	274.4871	-2.95285	0.96545	1481	274.5178	-4.65125	0.96826
1482	274.0231	-6.49423	0.95764	1482	275.0155	-3.06594	0.95226	1482	277.8391	-5.38724	0.94365	1482	274.66	-3.00172	0.96542	1482	274.6924	-4.71558	0.96812
1483	274.191	-6.55504	0.95746	1483	275.1841	-3.13013	0.95202	1483	277.9793	-5.4491	0.94342	1483	274.8071	-3.05528	0.96532	1483	274.8796	-4.77497	0.96799
1484	274.3411	-6.62014	0.9572	1484	275.3727	-3.19633	0.95187	1484	278.1556	-5.51142	0.94322	1484	274.9992	-3.10959	0.96507	1484	275.016	-4.83448	0.96779
1485	274.503	-6.68142	0.95714	1485	275.5627	-3.25518	0.95164	1485	278.3146	-5.57984	0.94274	1485	275.1647	-3.16492	0.96488	1485	275.1998	-4.89616	0.96754
1486	274.6977	-6.75253	0.957	1486	275.6933	-3.32218	0.95129	1486	278.5197	-5.64363	0.94245	1486	275.3415	-3.21506	0.96481	1486	275.3663	-4.95272	0.9674
1487	274.8625	-6.81361	0.95683	1487	275.872	-3.38664	0.951	1487	278.6595	-5.70976	0.94204	1487	275.4847	-3.2655	0.9647	1487	275.5594	-5.02058	0.96729
1488	275.0228	-6.8834	0.95653	1488	276.0519	-3.4539	0.95088	1488	278.8465	-5.77585	0.94172	1488	275.6841	-3.32345	0.96447	1488	275.7002	-5.07634	0.96709
1489	275.189	-6.94582	0.95633	1489	276.2293	-3.51327	0.95068	1489	278.9927	-5.84461	0.94157	1489	275.847	-3.37628	0.96425	1489	275.8738	-5.14013	0.96684
1490	275.3714	-7.01579	0.95621	1490	276.3776	-3.58065	0.95033	1490	279.1999	-5.91291	0.94136	1490	276.0215	-3.43126	0.96419	1490	276.0519	-5.20336	0.96668
1491	275.5506	-7.07806	0.95598	1491	276.5513	-3.64386	0.95004	1491	279.3419	-5.97825	0.94094	1491	276.1637	-3.48333	0.96407	1491	276.243	-5.26675	0.96657
1492	275.6965	-7.148	0.95569	1492	276.7238	-3.71242	0.94986	1492	279.5185	-6.05076	0.94062	1492	276.36	-3.54574	0.96379	1492	276.385	-5.32592	0.96637
1493	275.8718	-7.21021	0.95545	1493	276.9131	-3.77438	0.94966	1493	279.6758	-6.11879	0.94048	1493	276.5268	-3.60006	0.96351	1493	276.557	-5.39186	0.96611
1494	276.0492	-7.28129	0.95537	1494	277.0479	-3.84058	0.94931	1494	279.8331	-6.19061	0.94026	1494	276.7029	-3.6589	0.96337	1494	276.7308	-5.4568	0.96592
1495	276.2351	-7.34423	0.95521	1495	277.2291	-3.90747	0.94897	1495	280.0307	-6.25562	0.93984	1495	276.8505	-3.70945	0.96325	1495	276.9155	-5.52462	0.96579
1496	276.3679	-7.4134	0.95488	1496	277.406	-3.98057	0.94881	1496	280.2033	-6.32846	0.93946	1496	277.0364	-3.77461	0.96297	1496	277.0685	-5.58604	0.96561
1497	276.5511	-7.48027	0.95468	1497	277.5912	-4.04499	0.94864	1497	280.3602	-6.39877	0.93924	1497	277.2127	-3.82833	0.96267	1497	277.2332	-5.653	0.96536
1498	276.7206	-7.55	0.95456	1498	277.7321	-4.11362	0.94827	1498	280.5576	-6.47136	0.93906	1498	277.3825	-3.88685	0.96258	1498	277.408	-5.72026	0.96514
1499	276.9128	-7.61205	0.95436	1499	277.9156	-4.18381	0.94792	1499	280.7197	-6.53707	0.93864	1499	277.5334	-3.93866	0.96249	1499	277.5931	-5.78979	0.96505
1500	277.0752	-7.68066	0.95407	1500	278.0855	-4.25674	0.94774	1500	280.884	-6.60829	0.93829	1500	277.7182	-4.00135	0.96227	1500	277.7451	-5.84885	0.96489
1501	277.2318	-7.7443	0.9538	1501	278.2771	-4.32637	0.94759	1501	281.0412	-6.67709	0.93808	1501	277.8977	-4.05387	0.96199	1501	277.9077	-5.9169	0.96463
1502	277.4023	-7.81378	0.95362	1502	278.4113	-4.39291	0.94725	1502	281.2394	-6.74839	0.93783	1502	278.0629	-4.11169	0.96179	1502	278.0953	-5.98516	0.9644
1503	277.5991	-7.87681	0.95344	1503	278.587	-4.46571	0.94685	1503	281.4018	-6.81006	0.93748	1503	278.2209	-4.16309	0.9617	1503	278.2726	-6.05273	0.96427
1504	277.7302	-7.94108	0.95311	1504	278.7624	-4.53849	0.94658	1504	281.5816	-6.88139	0.93699	1504	278.3943	-4.22569	0.9615	1504	278.4323	-6.11185	0.96413
1505	277.9128	-8.00837	0.95286	1505	278.9541	-4.61061	0.94643	1505	281.7267	-6.94857	0.93674	1505	278.5809	-4.28102	0.96117	1505	278.5914	-6.17742	0.96387
1506	278.0747	-8.08059	0.95272	1506	279.0927	-4.67761	0.94612	1506	281.9212	-7.02068	0.93652	1506	278.7435	-4.34125	0.96097	1506	278.7718	-6.24299	0.96362
1507	278.2711	-8.14997	0.95256	1507	279.2685	-4.74965	0.94571	1507	282.0885	-7.08378	0.93614	1507	278.9019	-4.39633	0.96086	1507	278.9512	-6.31027	0.96346
1508	278.4147	-8.21947	0.95234	1508	279.4449	-4.82321	0.94539	1508	282.2436	-7.15556	0.93569	1508	279.0756	-4.46147	0.96066	1508	279.1149	-6.37038	0.96331
1509	278.5895	-8.29171	0.95207	1509	279.6312	-4.89769	0.94522	1509	282.4062	-7.22177	0.93537	1509	279.2702	-4.51952	0.96035	1509	279.2586	-6.43602	0.96305
1510	278.7506	-8.3597	0.95191	1510	279.813	-4.96774	0.94493	1510	282.5913	-7.29527	0.93515	1510	279.4161	-4.5812	0.9601	1510	279.4515	-6.50551	0.96276
1511	278.9541	-8.43432	0.95173	1511	279.9472	-5.0407	0.94455	1511	282.7741	-7.3598	0.93484	1511	279.5874	-4.63794	0.96001	1511	279.6245	-6.57383	0.9626
1512	279.0984	-8.49987	0.95148	1512	280.1252	-5.11471	0.94423	1512	282.916	-7.43035	0.93435	1512	279.7529	-4.70408	0.95984	1512	279.7918	-6.6414	0.96245
1513	279.2657	-8.572	0.9512	1513	280.3148	-5.19145	0.94403	1513	283.0899	-7.49738	0.93403	1513	279.9478	-4.76433	0.95954	1513	279.9438	-6.71198	0.96223
1514	279.4393	-8.63887	0.95102	1514	280.4582	-5.25759	0.9438	1514	283.264	-7.57185	0.93385	1514	280.102	-4.82749	0.95929	1514	280.1363	-6.78561	0.96194
1515	279.6354	-8.70835	0.95083	1515	280.6201	-5.33427	0.94345	1515	283.4501	-7.63729	0.93361	1515	280.2702	-4.88628	0.95917	1515	280.3015	-6.85855	

1576	289.9646	-12.85227	0.93395	1576	290.957	-9.7991	0.92037	1576	293.8186	-11.65431	0.90925	1576	290.6364	-8.68861	0.94338	1576	290.6433	-11.37156	0.9454
1577	290.1407	-12.92255	0.9336	1577	291.1583	-9.87179	0.91983	1577	293.9767	-11.71405	0.90883	1577	290.8156	-8.7478	0.94302	1577	290.8003	-11.44801	0.94504
1578	290.2812	-12.99247	0.93327	1578	291.3178	-9.93898	0.91929	1578	294.1376	-11.7828	0.90827	1578	291.0028	-8.80788	0.94283	1578	290.957	-11.51949	0.94478
1579	290.475	-13.06205	0.93285	1579	291.4935	-10.00901	0.91888	1579	294.3197	-11.8524	0.90772	1579	291.1496	-8.86076	0.94252	1579	291.1339	-11.60056	0.94449
1580	290.6409	-13.1361	0.93242	1580	291.6357	-10.07198	0.91851	1580	294.4975	-11.92505	0.90736	1580	291.3162	-8.92161	0.94211	1580	291.3255	-11.67467	0.94411
1581	290.8205	-13.20356	0.93215	1581	291.8354	-10.14809	0.91796	1581	294.6611	-11.98578	0.90702	1581	291.4935	-8.98146	0.94177	1581	291.4726	-11.75252	0.94372
1582	290.9583	-13.26863	0.93182	1582	292.0077	-10.21183	0.91742	1582	294.8141	-12.05458	0.90639	1582	291.6762	-9.04311	0.94155	1582	291.6404	-11.8247	0.94346
1583	291.1556	-13.33963	0.93137	1583	292.1682	-10.27947	0.91696	1583	295.0026	-12.12081	0.90585	1583	291.8342	-9.09583	0.9413	1583	291.8044	-11.90641	0.94317
1584	291.3241	-13.40584	0.931	1584	292.3221	-10.34064	0.91662	1584	295.1733	-12.18533	0.90538	1584	291.991	-9.15784	0.94091	1584	291.9986	-11.98116	0.94275
1585	291.493	-13.47664	0.9307	1585	292.5164	-10.41225	0.9161	1585	295.342	-12.24257	0.90496	1585	292.1728	-9.21861	0.94055	1585	292.1484	-12.06082	0.94235
1586	291.6435	-13.53831	0.93041	1586	292.6838	-10.474	0.9155	1586	295.4939	-12.30268	0.90441	1586	292.3559	-9.28139	0.9403	1586	292.3284	-12.13576	0.94206
1587	291.8295	-13.60632	0.93008	1587	292.8511	-10.54047	0.91501	1587	295.6798	-12.36469	0.90378	1587	292.5118	-9.33564	0.94002	1587	292.4826	-12.21698	0.94178
1588	292.0001	-13.66835	0.92971	1588	293.0055	-10.59789	0.91467	1588	295.8547	-12.42609	0.90329	1588	292.669	-9.39644	0.93961	1588	292.6861	-12.29183	0.94139
1589	292.1787	-13.73459	0.92944	1589	293.1877	-10.66677	0.9142	1589	296.032	-12.48084	0.90287	1589	292.8522	-9.45586	0.93919	1589	292.8279	-12.36795	0.94099
1590	292.3261	-13.79138	0.9292	1590	293.3705	-10.72628	0.91363	1590	296.1742	-12.53887	0.90232	1590	293.0266	-9.516	0.93894	1590	293.0026	-12.44194	0.94068
1591	292.5035	-13.85355	0.92883	1591	293.5322	-10.78758	0.91312	1591	296.3651	-12.59809	0.90169	1591	293.1959	-9.56888	0.93869	1591	293.1599	-12.52179	0.94042
1592	292.6873	-13.90962	0.92846	1592	293.6871	-10.84291	0.91277	1592	296.5389	-12.65679	0.90112	1592	293.347	-9.62694	0.9383	1592	293.3634	-12.59359	0.94006
1593	292.8542	-13.9688	0.92813	1593	293.8648	-10.90801	0.91234	1593	296.7145	-12.71299	0.90078	1593	293.5333	-9.68705	0.93791	1593	293.5023	-12.66644	0.93963
1594	293.0078	-14.02212	0.9278	1594	294.0547	-10.96443	0.91177	1594	296.8591	-12.7673	0.90026	1594	293.707	-9.74524	0.93763	1594	293.6821	-12.73995	0.93929
1595	293.1822	-14.08192	0.92741	1595	294.2094	-11.02545	0.91122	1595	297.048	-12.82839	0.89957	1595	293.8776	-9.79853	0.93741	1595	293.8342	-12.81106	0.93902
1596	293.3648	-14.13227	0.92696	1596	294.3766	-11.08024	0.91082	1596	297.2196	-12.88814	0.89905	1596	294.0214	-9.85472	0.93705	1596	294.0413	-12.88257	0.9387
1597	293.5322	-14.18888	0.92663	1597	294.5429	-11.1429	0.91042	1597	297.4018	-12.94192	0.89863	1597	294.2137	-9.91193	0.93661	1597	294.1872	-12.95042	0.93826
1598	293.6895	-14.24068	0.9264	1598	294.7368	-11.19856	0.90985	1598	297.5627	-12.99518	0.89814	1598	294.3853	-9.96964	0.9363	1598	294.3619	-12.92099	0.93789
1599	293.8508	-14.29949	0.92603	1599	294.8998	-11.25963	0.90927	1599	297.7233	-13.05805	0.89751	1599	294.5567	-10.02101	0.93605	1599	294.5108	-13.08783	0.93763
1600	294.0476	-14.35348	0.92562	1600	295.0571	-11.31302	0.90877	1600	297.9021	-13.11226	0.89692	1600	294.7019	-10.07064	0.93572	1600	294.725	-13.1578	0.93728
1601	294.21	-14.4107	0.92531	1601	295.2174	-11.37665	0.90844	1601	298.0826	-13.16968	0.89654	1601	294.896	-10.1339	0.93525	1601	294.8669	-13.22198	0.93686
1602	294.3691	-14.47097	0.92506	1602	295.422	-11.43186	0.9079	1602	298.2263	-13.22186	0.89612	1602	295.0609	-10.19	0.93489	1602	295.0407	-13.29339	0.93645
1603	294.5337	-14.53768	0.92472	1603	295.628	-11.49057	0.9073	1603	298.4059	-13.28283	0.89553	1603	295.2412	-10.24382	0.93467	1603	295.1962	-13.35969	0.93615
1604	294.7037	-14.59453	0.92431	1604	295.7398	-11.54531	0.90681	1604	298.5926	-13.33564	0.89501	1604	295.3785	-10.29534	0.93436	1604	295.3948	-13.42918	0.93581
1605	294.8873	-14.65411	0.92396	1605	295.8983	-11.60683	0.9064	1605	298.7666	-13.38993	0.89462	1605	295.5707	-10.35654	0.93392	1605	295.5487	-13.49319	0.93534
1606	295.057	-14.7024	0.92371	1606	296.0986	-11.66304	0.90583	1606	298.9171	-13.44106	0.89424	1606	295.7412	-10.40951	0.93356	1606	295.7175	-13.56395	0.93493
1607	295.2066	-14.76018	0.92334	1607	296.2482	-11.7213	0.90521	1607	299.0843	-13.49698	0.89361	1607	295.9181	-10.46443	0.93331	1607	295.8715	-13.6321	0.93463
1608	295.4134	-14.80797	0.92297	1608	296.4249	-11.77512	0.90475	1608	299.2731	-13.55126	0.89299	1608	296.0613	-10.51418	0.933	1608	296.072	-13.70306	0.93431
1609	295.5703	-14.85784	0.92264	1609	296.5751	-11.83647	0.90434	1609	299.4471	-13.60492	0.89254	1609	296.2489	-10.57395	0.93253	1609	296.2337	-13.76671	0.93387
1610	295.7398	-14.89672	0.92231	1610	296.7856	-11.89316	0.90383	1610	299.6029	-13.65275	0.89208	1610	296.4227	-10.62526	0.93212	1610	296.3963	-13.83656	0.93344
1611	295.8872	-14.93883	0.92194	1611	296.9292	-11.94861	0.90326	1611	299.7687	-13.70191	0.89146	1611	296.5969	-10.67969	0.93184	1611	296.5579	-13.90002	0.93312
1612	296.096	-14.98492	0.92155	1612	297.1034	-12.00701	0.90277	1612	299.966	-13.7614	0.8908	1612	296.7488	-10.72799	0.93153	1612	296.753	-13.96893	0.93281
1613	296.2497	-15.0276	0.92114	1613	297.2529	-12.06713	0.90234	1613	300.1308	-13.81503	0.89034	1613	296.9226	-10.78675	0.93106	1613	296.9168	-14.02678	0.93237
1614	296.4202	-15.06475	0.92087	1614	297.4629	-12.12796	0.90185	1614	300.2924	-13.86294	0.88996	1614	297.1069	-10.83954	0.93065	1614	297.0758	-14.09263	0.93192
1615	296.5708	-15.1084	0.92054	1615	297.6047	-12.18376	0.9012	1615	300.4518	-13.91198	0.88937	1615	297.2756	-10.89508	0.93034	1615	297.2395	-14.15241	0.93158
1616	296.7246	-15.15296	0.92011	1616	297.7817	-12.24488	0.90065	1616	300.646	-13.96883	0.88871	1616	297.4272	-10.94685	0.93007	1616	297.4281	-14.21844	0.93128
1617	296.9321	-15.19997	0.91976	1617	297.9287	-12.30483	0.90025	1617	300.8151	-14.02211	0.88819	1617	297.6032	-11.01014	0.92965	1617	297.6021	-14.27489	0.93087
1618	297.1058	-15.24642	0.91943	1618	298.1391	-12.37029	0.89973	1618	300.9851	-14.07708	0.88777	1618	297.789	-11.06289	0.92918	1618	297.754	-14.33569	0.93043
1619	297.2437	-15.28647	0.91917	1619	298.2919	-12.42847	0.89913	1619	301.1306	-14.124	0.88722	1619	297.9505	-11.12114	0.92885	1619	297.9208	-14.39221	0.93009
1620	297.4506	-15.33847	0.91873	1620	298.467	-12.49132	0.89853	1620	301.3354	-14.17931	0.88648	1620	298.1147	-11.17469	0.92854	1620	298.1027	-14.45444	0.9298
1621	297.6131	-15.38471	0.91832	1621	298.6151	-12.55202	0.8981	1621	301.4967	-14.23243	0.88593	1621	298.2758	-11.23732	0.92815	1621	298.2846	-14.50859	0.92943
1622	297.787	-15.43494	0.91804	1622	298.8201	-12.61654	0.89761	1622	301.6643	-14.2821	0.88554	1622	298.4711	-11.29291	0.92766	1622	298.4306	-14.56881	0.92899
1623	297.9314	-15.47987	0.91775	1623	298.9737	-12.67156	0.89698	1623	301.8162	-14.33637	0.88502	1623	298.6313	-11.35054	0.9273	1623	298.6072	-14.62491	0.92861
1624	298.1346	-15.53594	0.91736	1624	299.1381	-12.73569	0.89635	1624	302.0174	-14.3892	0.88433	1624	298.7953	-11.40245	0.92699	1624	298.7799	-14.68922	0.92828
1625	298.2916	-15.58344	0.91695	1625	299.2985	-12.79318	0.89592	1625	302.1769	-14.44383	0.88374	1625	298.9553	-11.46272	0.92661	1625	298.9665	-14.7472	0.92794
1626	298.4653	-15.63772	0.91662	1626	299.4922	-12.85721	0.89546	1626	302.3151	-14.49114	0.88328	1626	299.1569	-11.51778	0.92614	1626	299.111	-14.80192	0.92742
1627	298.6121	-15.68751	0.91635	1627	299.6581	-12.91132	0.89487	1627	302.4968	-14.54377	0.88273	1627	299.3086	-11.57248	0.92575	1627	299.2878	-14	

1689	309.1414	-19.71988	0.88988	1689	310.1546	-16.31866	0.85785	1689	313.0991	-17.35422	0.84589	1689	309.841	-15.03802	0.89824	1689	309.8347	-18.33275	0.90013
1690	309.3438	-19.78787	0.88942	1690	310.333	-16.36765	0.85707	1690	313.3016	-17.39371	0.84513	1690	310.0052	-15.09575	0.89777	1690	310.0075	-18.39627	0.89969
1691	309.4767	-19.85396	0.88888	1691	310.5144	-16.4145	0.85639	1691	313.4438	-17.43567	0.8444	1691	310.1987	-15.15463	0.89738	1691	310.1638	-18.45059	0.89926
1692	309.6555	-19.92039	0.88839	1692	310.6978	-16.4613	0.85756	1692	313.6188	-17.4722	0.84388	1692	310.3554	-15.20702	0.89689	1692	310.3227	-18.51213	0.89876
1693	309.8187	-19.98861	0.88798	1693	310.8434	-16.50144	0.85505	1693	313.7786	-17.51744	0.84339	1693	310.5145	-15.26706	0.89629	1693	310.5167	-18.57402	0.89821
1694	310.0219	-20.05341	0.88754	1694	311.0162	-16.54953	0.85425	1694	313.9774	-17.55776	0.8427	1694	310.6867	-15.32398	0.89576	1694	310.6822	-18.63468	0.89775
1695	310.1607	-20.11304	0.88698	1695	311.1954	-16.59577	0.85348	1695	314.126	-17.60005	0.84194	1695	310.8797	-15.38434	0.89537	1695	310.8496	-18.6876	0.89733
1696	310.3377	-20.17616	0.88647	1696	311.3784	-16.64005	0.85288	1696	314.3025	-17.63783	0.84145	1696	311.0376	-15.43613	0.89482	1696	310.9998	-18.74478	0.89682
1697	310.4948	-20.24515	0.88607	1697	311.5288	-16.67842	0.8522	1697	314.4529	-17.68308	0.84096	1697	311.1976	-15.49725	0.89414	1697	311.1979	-18.80384	0.89626
1698	310.6993	-20.31373	0.88558	1698	311.6895	-16.72378	0.85143	1698	314.664	-17.72432	0.84027	1698	311.3702	-15.55142	0.89359	1698	311.3701	-18.85948	0.89574
1699	310.8372	-20.37585	0.885	1699	311.8755	-16.76907	0.85068	1699	314.8114	-17.76559	0.83954	1699	311.5557	-15.61085	0.89317	1699	311.5315	-18.9095	0.89529
1700	311.0117	-20.44754	0.8844	1700	312.0524	-16.81235	0.85011	1700	314.9856	-17.80685	0.83892	1700	311.7252	-15.66094	0.89265	1700	311.68	-18.96291	0.89479
1701	311.1723	-20.5162	0.88392	1701	312.2062	-16.84905	0.84954	1701	315.1384	-17.84811	0.83843	1701	311.8708	-15.71728	0.89202	1701	311.8785	-19.01864	0.89419
1702	311.3666	-20.58692	0.88351	1702	312.3706	-16.89321	0.84888	1702	315.3517	-17.89077	0.83774	1702	312.051	-15.77383	0.89144	1702	312.0388	-19.07251	0.89368
1703	311.5164	-20.65129	0.88299	1703	312.5557	-16.93422	0.84808	1703	315.4928	-17.92764	0.83694	1703	312.2347	-15.82963	0.891	1703	312.2101	-19.12109	0.89324
1704	311.686	-20.7233	0.88244	1704	312.7329	-16.97881	0.84751	1704	315.6703	-17.9675	0.83632	1704	312.4002	-15.87694	0.89051	1704	312.3568	-19.17209	0.89278
1705	311.8413	-20.79168	0.88198	1705	312.8948	-17.01477	0.84694	1705	315.8196	-18.00379	0.8358	1705	312.5509	-15.93138	0.88985	1705	312.5519	-19.22685	0.89219
1706	312.0387	-20.86563	0.88155	1706	313.0489	-17.05715	0.8462	1706	316.0262	-18.0443	0.83517	1706	312.7298	-15.98497	0.88924	1706	312.7181	-19.2814	0.89165
1707	312.1978	-20.93171	0.88103	1707	313.2328	-17.09992	0.84546	1707	316.1809	-18.07949	0.83438	1707	312.9048	-16.03993	0.8888	1707	312.8919	-19.3326	0.8912
1708	312.3586	-21.00489	0.88047	1708	313.4105	-17.14717	0.84486	1708	316.3528	-18.11837	0.83368	1708	313.0834	-16.08758	0.88833	1708	313.0319	-19.38425	0.89072
1709	312.5206	-21.07657	0.87996	1709	313.5725	-17.18416	0.84429	1709	316.5058	-18.1516	0.83313	1709	313.2276	-16.13992	0.88767	1709	313.2285	-19.44339	0.89014
1710	312.715	-21.14649	0.87951	1710	313.7207	-17.22858	0.84354	1710	316.7065	-18.2262	0.8325	1710	313.4037	-16.19486	0.88704	1710	313.3949	-19.49844	0.88955
1711	312.8738	-21.20909	0.87901	1711	313.9138	-17.27494	0.84275	1711	316.8684	-18.22634	0.83171	1711	313.5853	-16.25235	0.88655	1711	313.566	-19.55507	0.88909
1712	313.0318	-21.2784	0.87845	1712	314.0801	-17.32112	0.84209	1712	317.035	-18.26804	0.83095	1712	313.764	-16.30167	0.88608	1712	313.7118	-19.60725	0.88865
1713	313.2045	-21.34661	0.87795	1713	314.2515	-17.36375	0.84152	1713	317.192	-18.304	0.83036	1713	313.9024	-16.35588	0.88545	1713	313.9029	-19.66684	0.88808
1714	313.3868	-21.41246	0.87748	1714	314.3964	-17.41006	0.84078	1714	317.3848	-18.34713	0.82973	1714	314.0898	-16.41438	0.88479	1714	314.0728	-19.71916	0.88752
1715	313.5519	-21.47212	0.87697	1715	314.5856	-17.4586	0.83998	1715	317.5543	-18.38397	0.82897	1715	314.26	-16.47122	0.88427	1715	314.2437	-19.77672	0.88702
1716	313.7031	-21.53988	0.87626	1716	314.7598	-17.51155	0.83929	1716	317.7102	-18.42901	0.82821	1716	314.4435	-16.52453	0.8838	1716	314.3927	-19.82876	0.88657
1717	313.8731	-21.60949	0.87574	1717	314.9355	-17.55705	0.83872	1717	317.874	-18.4667	0.82766	1717	314.583	-16.57814	0.88325	1717	314.5737	-19.8894	0.88599
1718	314.0588	-21.67448	0.87527	1718	315.0761	-17.60674	0.83804	1718	318.0629	-18.51477	0.82713	1718	314.7607	-16.63597	0.88259	1718	314.7535	-19.94451	0.88539
1719	314.2345	-21.73233	0.87479	1719	315.2657	-17.66135	0.83724	1719	318.2441	-18.55165	0.82641	1719	314.9381	-16.69111	0.88204	1719	314.9174	-20.00551	0.88486
1720	314.3753	-21.80259	0.87417	1720	315.4364	-17.71275	0.83653	1720	318.3916	-18.59493	0.82561	1720	315.1249	-16.74511	0.8816	1720	315.0728	-20.06146	0.8844
1721	314.5535	-21.87048	0.87367	1721	315.6118	-17.76266	0.83596	1721	318.563	-18.63063	0.82499	1721	315.2596	-16.79619	0.88105	1721	315.2503	-20.12596	0.88383
1722	314.7322	-21.94018	0.87324	1722	315.7531	-17.81409	0.8353	1722	318.7398	-18.67272	0.82425	1722	315.4372	-16.85571	0.88036	1722	315.4343	-20.1898	0.88321
1723	314.9094	-22.00693	0.8727	1723	315.9445	-17.87126	0.83447	1723	318.9272	-18.71457	0.82381	1723	315.6188	-16.91092	0.87976	1723	315.5963	-20.24804	0.88265
1724	315.0523	-22.07667	0.8721	1724	316.1114	-17.92196	0.83373	1724	319.0759	-18.75614	0.82304	1724	315.7919	-16.96651	0.87926	1724	315.7582	-20.30477	0.88217
1725	315.2264	-22.14872	0.87154	1725	316.2922	-17.97531	0.8331	1725	319.2516	-18.79347	0.82242	1725	315.9425	-17.01873	0.87871	1725	315.924	-20.37121	0.8816
1726	315.4046	-22.22631	0.87103	1726	316.4368	-18.02245	0.83245	1726	319.4226	-18.83911	0.82129	1726	316.1126	-17.07823	0.87803	1726	316.1172	-20.43145	0.88094
1727	315.5911	-22.29534	0.87055	1727	316.6162	-18.08218	0.83162	1727	319.6159	-18.87585	0.82131	1727	316.2942	-17.13525	0.87737	1727	316.2735	-20.49306	0.88037
1728	315.7253	-22.37113	0.86995	1728	316.8021	-18.13266	0.83082	1728	319.7604	-18.91584	0.82055	1728	316.4673	-17.19199	0.87685	1728	316.4343	-20.54956	0.87987
1729	315.9055	-22.44394	0.86939	1729	316.9729	-18.18289	0.83019	1729	319.9325	-18.95286	0.81989	1729	316.6242	-17.24302	0.87632	1729	316.597	-20.61347	0.87933
1730	316.0771	-22.52041	0.86892	1730	317.119	-18.22969	0.82957	1730	320.1015	-18.99805	0.81933	1730	316.7828	-17.30189	0.87563	1730	316.7963	-20.67029	0.8787
1731	316.2672	-22.59178	0.8684	1731	317.2997	-18.28704	0.82877	1731	320.2984	-19.03387	0.81871	1731	316.9738	-17.35826	0.87498	1731	316.9484	-20.73002	0.87812
1732	316.4062	-22.66381	0.86776	1732	317.4821	-18.33214	0.82797	1732	320.4402	-19.0735	0.81791	1732	317.1431	-17.41355	0.87443	1732	317.1184	-20.78387	0.87762
1733	316.5864	-22.73429	0.86712	1733	317.6471	-18.38116	0.82734	1733	320.6196	-19.10964	0.81719	1733	317.2996	-17.4643	0.87393	1733	317.2744	-20.84589	0.87709
1734	316.7509	-22.81074	0.86656	1734	317.8045	-18.42471	0.82671	1734	320.7802	-19.15067	0.81659	1734	317.4605	-17.52152	0.87322	1734	317.4766	-20.90587	0.87645
1735	316.9442	-22.88442	0.866	1735	317.9743	-18.47541	0.82594	1735	320.9839	-19.18772	0.81597	1735	317.6566	-17.57897	0.87251	1735	317.6508	-20.96579	0.87585
1736	317.0826	-22.95197	0.86534	1736	318.1647	-18.52103	0.82512	1736	321.1294	-19.224	0.81518	1736	317.8229	-17.63533	0.87193	1736	317.8006	-21.01777	0.87535
1737	317.2565	-23.03034	0.86467	1737	318.3327	-18.56623	0.82446	1737	321.3037	-19.26154	0.81448	1737	317.9862	-17.68739	0.87143	1737	317.9493	-21.08115	0.87482
1738	317.4256	-23.10198	0.86408	1738	318.4847	-18.60707	0.82386	1738	321.462	-19.30038	0.81393	1738	318.1396	-17.74184	0.87078	1738	318.1587	-21.13975	0.87418
1739	317.6175	-23.17774	0.86356	1739	318.6513	-18.65559	0.82312	1739	321.6656	-19.34059	0.8133	1739	318.3332	-17.79724	0.87006	1739	318.307	-21.19668	0.87355
1740	317.762	-23.24951	0.86296	1740	318.8516	-18.69881	0.82232	1740	321.8062	-19.37377	0.81254	1740	318.4984	-17.85322					

1802	328.2304	-27.82878	0.82129	1802	329.3706	-21.27797	0.77596	1802	332.3046	-21.60412	0.77099	1802	328.9694	-21.04407	0.82858	1802	329.0089	-24.82922	0.83262
1803	328.4179	-27.90095	0.82044	1803	329.532	-21.31904	0.77511	1803	332.4875	-21.63456	0.77023	1803	329.1336	-21.08829	0.82795	1803	329.1926	-24.88182	0.83198
1804	328.5903	-27.92765	0.81967	1804	329.6872	-21.35362	0.77442	1804	332.656	-21.66888	0.76957	1804	329.3192	-21.13918	0.82734	1804	329.3727	-24.92666	0.8313
1805	328.7631	-28.0418	0.81901	1805	329.8871	-21.39644	0.77374	1805	332.8423	-21.69919	0.76905	1805	329.4915	-21.18074	0.82657	1805	329.5186	-24.97886	0.83053
1806	328.9042	-28.11086	0.81826	1806	330.0564	-21.42894	0.77286	1806	332.9854	-21.72761	0.76832	1806	329.6451	-21.22864	0.82581	1806	329.6877	-25.0294	0.82983
1807	329.0919	-28.18713	0.81747	1807	330.2085	-21.46819	0.772	1807	333.1589	-21.76347	0.76753	1807	329.8071	-21.26941	0.82515	1807	329.8676	-25.08533	0.82919
1808	329.2634	-28.25401	0.81668	1808	330.3699	-21.49883	0.77129	1808	333.3387	-21.79718	0.76687	1808	329.9997	-21.31956	0.82457	1808	330.0512	-25.13294	0.82852
1809	329.4359	-28.32564	0.816	1809	330.5605	-21.53905	0.77063	1809	333.5229	-21.82733	0.76635	1809	330.1757	-21.35719	0.82383	1809	330.1936	-25.18779	0.82774
1810	329.5824	-28.39417	0.81529	1810	330.7333	-21.56845	0.76978	1810	333.6599	-21.85408	0.76566	1810	330.3198	-21.40299	0.82304	1810	330.3716	-25.23946	0.827
1811	329.7626	-28.47138	0.81444	1811	330.8842	-21.60292	0.76892	1811	333.8384	-21.88525	0.76486	1811	330.4893	-21.44371	0.82235	1811	330.5407	-25.29639	0.82634
1812	329.9401	-28.54283	0.81363	1812	331.0506	-21.62984	0.76821	1812	334.0123	-21.91503	0.7642	1812	330.6714	-21.49215	0.82175	1812	330.7285	-25.34456	0.82563
1813	330.1125	-28.61579	0.81293	1813	331.2287	-21.66752	0.76752	1813	334.194	-21.94299	0.76365	1813	330.8498	-21.53144	0.82106	1813	330.8675	-25.39826	0.82485
1814	330.257	-28.68214	0.8122	1814	331.4183	-21.69539	0.76673	1814	334.3422	-21.96607	0.76299	1814	330.9947	-21.57443	0.82024	1814	331.0435	-25.45115	0.82409
1815	330.4322	-28.76239	0.81135	1815	331.569	-21.72582	0.76584	1815	334.5085	-21.99541	0.76216	1815	331.1638	-21.61583	0.81956	1815	331.2096	-25.51136	0.8234
1816	330.623	-28.83675	0.8105	1816	331.7321	-21.75097	0.7651	1816	334.6905	-22.02469	0.76147	1816	331.3419	-21.66399	0.81898	1816	331.4087	-25.56737	0.82274
1817	330.7873	-28.91256	0.80973	1817	331.9054	-21.78486	0.76445	1817	334.87	-22.05493	0.76094	1817	331.5312	-21.70153	0.81829	1817	331.5422	-25.62205	0.82194
1818	330.9408	-28.98499	0.80899	1818	332.0944	-21.80936	0.76368	1818	335.0202	-22.07774	0.76032	1818	331.6692	-21.73973	0.8175	1818	331.7245	-25.68152	0.82118
1819	331.1022	-29.06637	0.80815	1819	332.2363	-21.83636	0.76282	1819	335.1873	-22.10837	0.75949	1819	331.8413	-21.77717	0.81679	1819	331.8874	-25.73931	0.82047
1820	331.2931	-29.14194	0.80726	1820	332.4129	-21.8622	0.76211	1820	335.3719	-22.13778	0.75876	1820	332.0194	-21.82063	0.81616	1820	332.0848	-25.79544	0.81979
1821	331.4597	-29.21984	0.80647	1821	332.5778	-21.89104	0.76145	1821	335.5472	-22.16821	0.75824	1821	332.2113	-21.85602	0.8155	1821	332.2247	-25.84331	0.81901
1822	331.618	-29.29195	0.80569	1822	332.7719	-21.91466	0.76068	1822	335.7069	-22.19077	0.75765	1822	332.3485	-21.89186	0.81468	1822	332.3399	-25.89708	0.81821
1823	331.7759	-29.37191	0.80484	1823	332.9161	-21.9393	0.75986	1823	335.8651	-22.22012	0.75682	1823	332.5317	-21.92397	0.81388	1823	332.5647	-25.94726	0.8175
1824	331.9739	-29.44608	0.80396	1824	333.0911	-21.96069	0.75906	1824	336.0451	-22.25027	0.75606	1824	332.6922	-21.96091	0.81322	1824	332.7548	-26.00029	0.81684
1825	332.1328	-29.52201	0.80313	1825	333.2509	-21.98844	0.75824	1825	336.2266	-22.28276	0.75547	1825	332.889	-21.99444	0.81259	1825	332.9016	-26.04457	0.8161
1826	332.2918	-29.59256	0.80236	1826	333.459	-22.00966	0.75766	1826	336.3867	-22.30657	0.75492	1826	333.0291	-22.02167	0.8118	1826	333.0761	-26.09737	0.81528
1827	332.4493	-29.66271	0.80153	1827	333.5953	-22.02937	0.75681	1827	336.5372	-22.33594	0.75415	1827	333.2002	-22.05427	0.81101	1827	333.2442	-26.14983	0.81455
1828	332.6513	-29.73786	0.80062	1828	333.7741	-22.0484	0.75604	1828	336.7279	-22.36281	0.75336	1828	333.3665	-22.08564	0.81037	1828	333.4342	-26.20203	0.81387
1829	332.8048	-29.80742	0.79981	1829	333.9315	-22.06599	0.75538	1829	336.9024	-22.39014	0.75273	1829	333.5649	-22.11774	0.80977	1829	333.5801	-26.24652	0.81313
1830	332.9731	-29.87727	0.79906	1830	334.1342	-22.08434	0.7547	1830	337.0725	-22.42408	0.75218	1830	333.7016	-22.14188	0.80906	1830	333.7501	-26.29931	0.81229
1831	333.1241	-29.94908	0.79825	1831	334.2775	-22.09499	0.75384	1831	337.2221	-22.45488	0.75145	1831	333.8774	-22.17321	0.80826	1831	333.9239	-26.35045	0.81152
1832	333.3226	-30.00739	0.79732	1832	334.4552	-22.11041	0.75307	1832	337.4126	-22.48186	0.75062	1832	334.0084	-22.20395	0.8076	1832	334.1112	-26.40147	0.81084
1833	333.4797	-30.07351	0.79649	1833	334.6096	-22.12365	0.75239	1833	337.585	-22.5111	0.74999	1833	334.2343	-22.23627	0.80705	1833	334.2654	-26.44377	0.8101
1834	333.6467	-30.13287	0.79572	1834	334.8152	-22.14012	0.75173	1834	337.7613	-22.53364	0.74944	1834	334.3839	-22.26177	0.80634	1834	334.4263	-26.49041	0.80925
1835	333.7923	-30.19769	0.79491	1835	334.9631	-22.14824	0.75091	1835	337.9024	-22.55762	0.74875	1835	334.5504	-22.29567	0.80552	1835	334.5626	-26.53544	0.80843
1836	333.9387	-30.26623	0.794	1836	335.1313	-22.16397	0.75011	1836	338.092	-22.5831	0.74799	1836	334.7163	-22.32865	0.80478	1836	334.7876	-26.58167	0.80775
1837	334.1599	-30.32822	0.79311	1837	335.2925	-22.17731	0.74948	1837	338.2684	-22.60629	0.74733	1837	334.9048	-22.36492	0.80418	1837	334.9459	-26.61602	0.80701
1838	334.3235	-30.39108	0.79232	1838	335.4919	-22.19237	0.74885	1838	338.4416	-22.62626	0.74684	1838	335.0508	-22.39625	0.80346	1838	335.0997	-26.65912	0.80619
1839	334.4659	-30.45513	0.79151	1839	335.6445	-22.20127	0.74805	1839	338.585	-22.64759	0.74625	1839	335.2113	-22.43636	0.80261	1839	335.2791	-26.70244	0.80536
1840	334.6697	-30.52053	0.79057	1840	335.8132	-22.21757	0.7472	1840	338.7718	-22.67377	0.74545	1840	335.386	-22.47732	0.80188	1840	335.4562	-26.74807	0.80464
1841	334.8294	-30.59437	0.78966	1841	335.9755	-22.23103	0.74651	1841	338.9432	-22.69195	0.74476	1841	335.5685	-22.52229	0.80127	1841	335.6269	-26.78787	0.80394
1842	335.0024	-30.66153	0.78883	1842	336.1695	-22.25019	0.74588	1842	339.1269	-22.7148	0.7442	1842	335.7254	-22.55938	0.80059	1842	335.7779	-26.83594	0.80311
1843	335.1411	-30.7298	0.788	1843	336.3336	-22.26608	0.74512	1843	339.2665	-22.73173	0.74362	1843	335.8826	-22.60512	0.79979	1843	335.9566	-26.88556	0.80229
1844	335.3393	-30.80727	0.78705	1844	336.49	-22.2793	0.74426	1844	339.4517	-22.75978	0.74278	1844	336.0584	-22.64998	0.79902	1844	336.1336	-26.93778	0.80157
1845	335.5023	-30.87594	0.78613	1845	336.6577	-22.29524	0.74349	1845	339.6331	-22.78919	0.74206	1845	336.2384	-22.69612	0.79842	1845	336.3072	-26.98831	0.80085
1846	335.6722	-30.94861	0.7853	1846	336.8503	-22.3183	0.74283	1846	339.8091	-22.80286	0.7415	1846	336.4021	-22.73349	0.79779	1846	336.4535	-27.04122	0.80002
1847	335.8176	-31.01322	0.78449	1847	337.016	-22.33166	0.74209	1847	339.9536	-22.82097	0.74091	1847	336.5537	-22.77479	0.79697	1847	336.6377	-27.09643	0.79916
1848	336.0122	-31.08373	0.78354	1848	337.1691	-22.35517	0.74124	1848	340.126	-22.8486	0.74012	1848	336.7339	-22.81573	0.79617	1848	336.8121	-27.15291	0.79838
1849	336.1777	-31.15186	0.7826	1849	337.3441	-22.37446	0.74047	1849	340.3151	-22.87246	0.73939	1849	336.9124	-22.85428	0.79554	1849	336.987	-27.20416	0.79764
1850	336.3458	-31.21746	0.78177	1850	337.5264	-22.3995	0.73984	1850	340.4854	-22.89758	0.73883	1850	337.0745	-22.88508	0.79489	1850	337.1313	-27.26024	0.79679
1851	336.5001	-31.2735	0.78102	1851	337.7045	-22.41612	0.73913	1851	340.6383	-22.92103	0.73825	1851	337.2234	-22.92036	0.79409	1851	337.3146	-27.31688	0.79591
1852	336.6794	-31.34189	0.78009	1852	337.8539	-22.43982	0.7383	1852	340.8038	-22.95118	0.73745	1852	337.4077	-22.95363	0.79327	1852	337.4903	-27.37095	0.79511
1853	336.8618	-31.40239	0.77911	1853	338.0265	-22.45974	0.73753	1853	340.99	-22.98039	0.73672	1853	337.5768	-22.98					

1915	347.3683	-33.71383	0.71784	1915	348.6202	-23.74683	0.69306	1915	351.5635	-24.81688	0.69674	1915	348.0166	-24.6366	0.74967	1915	348.1967	-28.98442	0.7427
1916	347.5491	-33.71005	0.71678	1916	348.7874	-23.76787	0.69243	1916	351.7221	-24.85299	0.69612	1916	348.1788	-24.65715	0.74909	1916	348.351	-28.99465	0.74192
1917	347.7012	-33.69933	0.7158	1917	348.9479	-23.78618	0.69186	1917	351.8805	-24.88637	0.69566	1917	348.3472	-24.68547	0.74846	1917	348.5579	-28.99681	0.74103
1918	347.9076	-33.69423	0.71473	1918	349.1048	-23.80749	0.69112	1918	352.0689	-24.92728	0.69511	1918	348.5405	-24.70586	0.74772	1918	348.7072	-28.99443	0.74017
1919	348.062	-33.67957	0.71358	1919	349.2952	-23.83092	0.69035	1919	352.2406	-24.9606	0.69438	1919	348.6893	-24.72872	0.74698	1919	348.8812	-28.98663	0.73939
1920	348.2273	-33.67	0.71248	1920	349.4667	-23.85333	0.68972	1920	352.4026	-24.9886	0.69379	1920	348.861	-24.74728	0.7464	1920	349.0306	-28.98281	0.73861
1921	348.3798	-33.65644	0.71148	1921	349.6349	-23.86942	0.68918	1921	352.5651	-25.02784	0.6933	1921	349.0178	-24.7695	0.74585	1921	349.2339	-28.98121	0.7377
1922	348.5916	-33.64431	0.71042	1922	349.7999	-23.89211	0.68849	1922	352.7337	-25.06761	0.69271	1922	349.2201	-24.78612	0.74512	1922	349.4634	-28.97836	0.73684
1923	348.7497	-33.61765	0.70926	1923	349.9816	-23.9159	0.68775	1923	352.9246	-25.09889	0.69195	1923	349.3664	-24.80391	0.7444	1923	349.5658	-28.98002	0.73606
1924	348.9103	-33.60223	0.70815	1924	350.1512	-23.93792	0.68712	1924	353.1082	-25.13488	0.69126	1924	349.536	-24.81842	0.7438	1924	349.7071	-28.98322	0.7353
1925	349.0688	-33.58679	0.70714	1925	350.3191	-23.95601	0.68658	1925	353.2436	-25.16386	0.69077	1925	349.6915	-24.84039	0.74322	1925	349.9182	-28.99231	0.73445
1926	349.2705	-33.58106	0.70612	1926	350.4676	-23.97753	0.68592	1926	353.4081	-25.19295	0.69018	1926	349.8984	-24.85563	0.74253	1926	350.0779	-28.9953	0.73357
1927	349.4399	-33.56372	0.70497	1927	350.6633	-23.99951	0.68518	1927	353.6051	-25.23556	0.68942	1927	350.0402	-24.87293	0.74177	1927	350.245	-29.00127	0.73279
1928	349.5988	-33.55009	0.70383	1928	350.8258	-24.0226	0.68447	1928	353.7573	-25.27208	0.68873	1928	350.2189	-24.88787	0.74111	1928	350.3926	-28.99902	0.73207
1929	349.7589	-33.53032	0.70279	1929	351.0012	-24.04264	0.68389	1929	353.9284	-25.30494	0.68817	1929	350.3742	-24.9081	0.74053	1929	350.5945	-29.00741	0.73124
1930	349.9492	-33.51821	0.70178	1930	351.1437	-24.06506	0.68324	1930	354.0877	-25.34407	0.68765	1930	350.5786	-24.92488	0.73985	1930	350.7547	-29.00523	0.73036
1931	350.1251	-33.49957	0.70065	1931	351.3348	-24.0948	0.68247	1931	354.2881	-25.3783	0.68692	1931	350.72	-24.93866	0.73905	1931	350.925	-29.00879	0.72958
1932	350.2698	-33.47111	0.6995	1932	351.5055	-24.12048	0.68173	1932	354.4365	-25.41417	0.68619	1932	350.9003	-24.95722	0.73834	1932	351.0754	-29.0025	0.72884
1933	350.4448	-33.44935	0.69844	1933	351.679	-24.14614	0.6811	1933	354.6112	-25.44747	0.68564	1933	351.0429	-24.97502	0.73776	1933	351.2697	-29.00897	0.72803
1934	350.6279	-33.43563	0.69743	1934	351.8208	-24.16957	0.6805	1934	354.7602	-25.48278	0.68512	1934	351.2542	-24.99627	0.73713	1934	351.4406	-29.00594	0.72713
1935	350.8089	-33.41556	0.69633	1935	352.0171	-24.2029	0.67973	1935	354.9747	-25.52547	0.68439	1935	351.3981	-25.01018	0.73637	1935	351.6008	-29.00307	0.72633
1936	350.9559	-33.39702	0.69516	1936	352.1831	-24.22629	0.67902	1936	355.1135	-25.55827	0.68363	1936	351.5712	-25.03121	0.73565	1936	351.7547	-28.996	0.72561
1937	351.1368	-33.37828	0.69408	1937	352.3582	-24.2536	0.67841	1937	355.2895	-25.59219	0.68304	1937	351.7219	-25.0484	0.73508	1937	351.944	-28.99866	0.72483
1938	351.3037	-33.36241	0.69304	1938	352.5405	-24.27322	0.67785	1938	355.4367	-25.62797	0.68252	1938	351.9283	-25.07039	0.73447	1938	352.1165	-28.9944	0.72394
1939	351.4941	-33.33611	0.69194	1939	352.6847	-24.30383	0.6771	1939	355.6453	-25.66626	0.68182	1939	352.0761	-25.08475	0.73373	1939	352.2767	-28.99822	0.72308
1940	351.6346	-33.31906	0.69078	1940	352.865	-24.32769	0.67636	1940	355.7919	-25.69892	0.68106	1940	352.2473	-25.10754	0.73302	1940	352.4381	-28.99891	0.72236
1941	351.8126	-33.30799	0.68967	1941	353.0378	-24.35312	0.67576	1941	355.9752	-25.73445	0.6804	1941	352.4046	-25.12408	0.73244	1941	352.6113	-29.00952	0.72159
1942	351.9836	-33.3003	0.68863	1942	353.1828	-24.3746	0.67522	1942	356.1158	-25.76711	0.67992	1942	352.6022	-25.14787	0.73186	1942	352.798	-29.0153	0.72071
1943	352.1785	-33.28676	0.68751	1943	353.3626	-24.40604	0.6745	1943	356.3255	-25.80979	0.67929	1943	352.7654	-25.16079	0.73115	1943	352.9533	-29.0271	0.71989
1944	352.319	-33.27677	0.68633	1944	353.546	-24.42931	0.67376	1944	356.4796	-25.84105	0.67853	1944	352.923	-25.18317	0.73041	1944	353.1217	-29.03389	0.71915
1945	352.4997	-33.26698	0.68522	1945	353.7079	-24.4577	0.67313	1945	356.6466	-25.87192	0.67791	1945	353.0818	-25.20071	0.72983	1945	353.295	-29.04797	0.7184
1946	352.6553	-33.26214	0.68418	1946	353.8669	-24.47995	0.67262	1946	356.7987	-25.91229	0.67742	1946	353.278	-25.22217	0.72926	1946	353.489	-29.05322	0.71756
1947	352.8591	-33.25058	0.6831	1947	354.0359	-24.51224	0.6719	1947	357.0005	-25.95548	0.67679	1947	353.4394	-25.2352	0.72855	1947	353.6315	-29.05996	0.71672
1948	352.9953	-33.24129	0.68194	1948	354.2256	-24.53892	0.67114	1948	357.162	-25.98846	0.67603	1948	353.596	-25.25689	0.72778	1948	353.8064	-29.06242	0.71596
1949	353.1824	-33.23658	0.6808	1949	354.3886	-24.56859	0.67048	1949	357.3259	-26.02584	0.67538	1949	353.7603	-25.27383	0.72717	1949	353.9687	-29.07031	0.71523
1950	353.3331	-33.23175	0.67978	1950	354.5498	-24.59328	0.66991	1950	357.4811	-26.05872	0.67492	1950	353.9451	-25.29804	0.72665	1950	354.1659	-29.07149	0.71437
1951	353.5382	-33.22944	0.67872	1951	354.7073	-24.62881	0.66925	1951	357.6177	-26.09738	0.67429	1951	354.1181	-25.31394	0.72596	1951	354.3195	-29.0741	0.71351
1952	353.6776	-33.24602	0.67753	1952	354.907	-24.65801	0.66854	1952	357.8456	-26.13009	0.67354	1952	354.2689	-25.33859	0.72525	1952	354.4934	-29.07303	0.71273
1953	353.8586	-33.26076	0.67637	1953	355.0631	-24.69031	0.66768	1953	358.0074	-26.1648	0.67288	1953	354.439	-25.36103	0.72462	1953	354.6491	-29.07903	0.71199
1954	354.0217	-33.27267	0.67527	1954	355.2283	-24.71761	0.66674	1954	358.168	-26.19407	0.67235	1954	354.6233	-25.38896	0.72407	1954	354.8565	-29.07602	0.71118
1955	354.2189	-33.28123	0.6742	1955	355.3847	-24.75446	0.66651	1955	358.3354	-26.23544	0.67177	1955	354.8033	-25.40697	0.72344	1955	354.9987	-29.07511	0.71028
1956	354.3669	-33.27921	0.673	1956	355.5852	-24.7834	0.66568	1956	358.5355	-26.26538	0.67107	1956	354.9423	-25.43349	0.72267	1956	355.1803	-29.07357	0.7095
1957	354.5429	-33.28239	0.67179	1957	355.7375	-24.81333	0.665	1957	358.6858	-26.30177	0.67024	1957	355.1148	-25.45435	0.72202	1957	355.3328	-29.07753	0.70876
1958	354.6997	-33.27565	0.67071	1958	355.9102	-24.83969	0.66446	1958	358.8596	-26.33291	0.66972	1958	355.2889	-25.48483	0.72146	1958	355.5416	-29.07542	0.70795
1959	354.902	-33.26514	0.66965	1959	356.0612	-24.87131	0.66388	1959	359.0259	-26.3742	0.66923	1959	355.475	-25.50612	0.72083	1959	355.6816	-29.07375	0.70707
1960	355.0551	-33.24557	0.66851	1960	356.2678	-24.90064	0.66314	1960	359.2137	-26.40693	0.66847	1960	355.6173	-25.53502	0.72006	1960	355.8641	-29.07695	0.70625
1961	355.2193	-33.23609	0.66736	1961	356.4244	-24.92868	0.66243	1961	359.3635	-26.44557	0.66774	1961	355.7911	-25.55781	0.71938	1961	356.0143	-29.07893	0.70549
1962	355.3867	-33.21548	0.66628	1962	356.5918	-24.95536	0.66191	1962	359.5327	-26.47886	0.66719	1962	355.9622	-25.59013	0.7188	1962	356.2239	-29.08446	0.70468
1963	355.5836	-33.20689	0.66525	1963	356.7404	-24.98609	0.66134	1963	359.6982	-26.51994	0.66667	1963	356.1577	-25.61335	0.7182	1963	356.3765	-29.08214	0.70378
1964	355.7388	-33.19198	0.66412	1964	356.9506	-25.0177	0.66057	1964	359.8945	-26.557	0.66594	1964	356.293	-25.63906	0.71746	1964	356.5452	-29.08814	0.70292
1965	355.9044	-33.19081	0.66292	1965	357.0985	-25.04596	0.65983	1965	360.0424	-26.59636	0.66511	1965	356.4747	-25.66493	0.71675	1965	356.6975	-29.08943	0.70218
1966	356.0674	-33.18907	0.66179	1966	357.2743	-25.07496	0.65923	1966	360.2187	-26.6355	0.66445	1966	356.6393	-25.69318	0.71622				

2028	366.6269	-34.62156	0.58928	2028	367.7752	-27.66594	0.614	2028	370.7085	-29.46361	0.61781	2028	367.1342	-27.69075	0.67399	2028	367.4434	-29.69685	0.65447
2029	366.8124	-34.66835	0.58815	2029	367.9413	-27.72113	0.61326	2029	370.8855	-29.51532	0.61705	2029	367.3068	-27.72854	0.67333	2029	367.5852	-29.71678	0.65367
2030	366.9575	-34.70882	0.58693	2030	368.1437	-27.77078	0.61243	2030	371.0661	-29.55863	0.61619	2030	367.4465	-27.77185	0.67262	2030	367.762	-29.73815	0.65282
2031	367.1245	-34.75687	0.58561	2031	368.2786	-27.82327	0.61149	2031	371.2109	-29.60678	0.61516	2031	367.6502	-27.81807	0.67177	2031	367.9327	-29.76325	0.65208
2032	367.3069	-34.80363	0.58435	2032	368.4602	-27.87585	0.61061	2032	371.3551	-29.65391	0.61422	2032	367.8121	-27.86221	0.67097	2032	368.1244	-29.79075	0.65138
2033	367.4884	-34.85337	0.5832	2033	368.6177	-27.93259	0.60984	2033	371.5008	-29.70642	0.61339	2033	367.9797	-27.90229	0.67034	2033	368.2614	-29.81348	0.65062
2034	367.6463	-34.89597	0.58204	2034	368.8226	-27.9879	0.60904	2034	371.742	-29.75015	0.61256	2034	368.1233	-27.94396	0.66963	2034	368.4008	-29.84441	0.64975
2035	367.8067	-34.94753	0.58075	2035	369.0624	-28.03853	0.60813	2035	371.8838	-29.80036	0.61156	2035	368.2885	-27.99047	0.66878	2035	368.602	-29.87596	0.64895
2036	367.9852	-34.9982	0.57946	2036	369.1425	-28.09342	0.60722	2036	372.0645	-29.84624	0.6106	2036	368.4839	-28.03169	0.66793	2036	368.7999	-29.90674	0.64823
2037	368.1673	-35.04952	0.57829	2037	369.2951	-28.14563	0.60648	2037	372.2321	-29.89652	0.60908	2037	368.6596	-28.07429	0.66719	2037	368.9481	-29.93319	0.64743
2038	368.3288	-35.09568	0.57711	2038	369.4999	-28.20085	0.60571	2038	372.4229	-29.94132	0.60901	2038	368.8051	-28.11081	0.66648	2038	369.1191	-29.96421	0.64655
2039	368.4842	-35.14592	0.57582	2039	369.6437	-28.24926	0.60477	2039	372.5638	-29.98492	0.60798	2039	369.0042	-28.15999	0.66563	2039	369.2937	-29.99458	0.64572
2040	368.6699	-35.19425	0.57449	2040	369.8152	-28.3031	0.60383	2040	372.7445	-30.03142	0.60694	2040	369.1714	-28.19901	0.66476	2040	369.4788	-30.0259	0.645
2041	368.8441	-35.23764	0.57328	2041	369.9755	-28.35417	0.60301	2041	372.9086	-30.07668	0.60607	2041	369.3395	-28.2407	0.66402	2041	369.6332	-30.04871	0.64422
2042	369.0082	-35.27657	0.57212	2042	370.1732	-28.40852	0.60221	2042	373.1064	-30.12317	0.60524	2042	369.4859	-28.28888	0.66333	2042	369.7932	-30.07971	0.64337
2043	369.163	-35.32106	0.57085	2043	370.3225	-28.45643	0.60125	2043	373.2445	-30.1601	0.60418	2043	369.6794	-28.33131	0.66248	2043	369.9758	-30.10728	0.64253
2044	369.344	-35.363	0.56954	2044	370.4943	-28.51117	0.60024	2044	373.421	-30.20737	0.60308	2044	369.8483	-28.37045	0.66161	2044	370.1568	-30.1357	0.64179
2045	369.5194	-35.40663	0.56831	2045	370.6531	-28.56284	0.59945	2045	373.5884	-30.2496	0.60214	2045	370.0129	-28.41724	0.66081	2045	370.3104	-30.15705	0.64101
2046	369.6956	-35.44631	0.56716	2046	370.8463	-28.61819	0.59865	2046	373.7805	-30.29368	0.60128	2046	370.1698	-28.45659	0.66008	2046	370.4699	-30.18437	0.64012
2047	369.837	-35.49035	0.5659	2047	371.0086	-28.66725	0.59768	2047	373.9262	-30.3314	0.60025	2047	370.349	-28.5008	0.65925	2047	370.6556	-30.2113	0.63926
2048	370.0229	-35.53914	0.56458	2048	371.1664	-28.7204	0.59666	2048	374.0966	-30.37655	0.59911	2048	370.528	-28.5513	0.6583	2048	370.8301	-30.23934	0.63835
2049	370.1992	-35.58943	0.56336	2049	371.3274	-28.77258	0.59575	2049	374.2644	-30.42019	0.59807	2049	370.6952	-28.59814	0.65747	2049	370.9966	-30.26261	0.63774
2050	370.3742	-35.63658	0.56223	2050	371.5245	-28.82901	0.59493	2050	374.4359	-30.46653	0.59717	2050	370.8504	-28.6376	0.65679	2050	371.1473	-30.29214	0.63689
2051	370.517	-35.68532	0.56101	2051	371.6847	-28.87696	0.59396	2051	374.6128	-30.50591	0.59614	2051	371.0279	-28.68921	0.65599	2051	371.3329	-30.323	0.63603
2052	370.7048	-35.73928	0.5597	2052	371.8386	-28.93489	0.59291	2052	374.7751	-30.55209	0.59493	2052	371.2157	-28.72975	0.65506	2052	371.5053	-30.35399	0.63527
2053	370.8735	-35.78859	0.55851	2053	372.0078	-28.98821	0.59197	2053	374.9473	-30.59893	0.59387	2053	371.3643	-28.77575	0.65422	2053	371.679	-30.3787	0.63453
2054	371.054	-35.83728	0.55739	2054	372.1896	-29.04516	0.59111	2054	375.1352	-30.649	0.59294	2054	371.5323	-28.81647	0.6535	2054	371.8236	-30.40851	0.63368
2055	371.1953	-35.88212	0.55618	2055	372.3627	-29.09625	0.59018	2055	375.2855	-30.69263	0.59194	2055	371.7015	-28.86353	0.65271	2055	372.0129	-30.4404	0.6328
2056	371.3745	-35.93696	0.55487	2056	372.518	-29.15368	0.58912	2056	375.4511	-30.74377	0.59076	2056	371.8938	-28.90471	0.65172	2056	372.1841	-30.46961	0.63202
2057	371.5522	-35.98527	0.55358	2057	372.6849	-29.20606	0.58813	2057	375.6234	-30.79423	0.58966	2057	372.0559	-28.94899	0.65077	2057	372.3583	-30.49615	0.63126
2058	371.7133	-36.03432	0.55235	2058	372.8676	-29.26435	0.58725	2058	375.8004	-30.84417	0.58873	2058	372.2168	-28.98758	0.65	2058	372.5082	-30.5261	0.63039
2059	371.8745	-36.08171	0.55106	2059	373.0506	-29.31291	0.58628	2059	375.9695	-30.89621	0.58776	2059	372.3722	-29.03382	0.64921	2059	372.6929	-30.55766	0.62949
2060	372.0529	-36.13569	0.54965	2060	373.1892	-29.36902	0.5852	2060	376.1246	-30.94773	0.58659	2060	372.5764	-29.07424	0.64825	2060	372.864	-30.5883	0.62863
2061	372.2364	-36.18368	0.54823	2061	373.3677	-29.42094	0.58418	2061	376.2968	-30.9987	0.58546	2061	372.7219	-29.11837	0.64729	2061	373.0486	-30.61636	0.62785
2062	372.4045	-36.23253	0.5469	2062	373.5424	-29.48052	0.58329	2062	376.4618	-31.05172	0.58446	2062	372.8975	-29.15857	0.64644	2062	373.1826	-30.64397	0.62701
2063	372.5573	-36.28006	0.54555	2063	373.7252	-29.5314	0.58235	2063	376.6352	-31.09614	0.58342	2063	373.0515	-29.20776	0.64562	2063	373.3706	-30.68018	0.62606
2064	372.7224	-36.32444	0.54411	2064	373.8668	-29.5871	0.58125	2064	376.7994	-31.14682	0.58218	2064	373.2546	-29.24845	0.64464	2064	373.5417	-30.71085	0.6252
2065	372.9096	-36.38486	0.54268	2065	374.043	-29.64211	0.5802	2065	376.963	-31.1985	0.58094	2065	373.4003	-29.29295	0.64366	2065	373.7231	-30.74003	0.62442
2066	373.0861	-36.43651	0.54135	2066	374.2122	-29.70386	0.57926	2066	377.1339	-31.25067	0.57991	2066	373.5754	-29.3357	0.64278	2066	373.8683	-30.77313	0.6236
2067	373.2134	-36.48502	0.54003	2067	374.4081	-29.7598	0.57832	2067	377.3344	-31.2979	0.57887	2067	373.7236	-29.38298	0.64193	2067	374.0515	-30.81152	0.62267
2068	373.3953	-36.53837	0.5386	2068	374.5485	-29.8136	0.57718	2068	377.4769	-31.34997	0.57767	2068	373.9333	-29.42951	0.64098	2068	374.2252	-30.84296	0.62173
2069	373.591	-36.59089	0.5372	2069	374.7246	-29.87242	0.57607	2069	377.6534	-31.401	0.57647	2069	374.0766	-29.47452	0.63997	2069	374.4023	-30.87611	0.62093
2070	373.7588	-36.64275	0.53587	2070	374.894	-29.92997	0.57508	2070	377.8333	-31.45299	0.57536	2070	374.2509	-29.52104	0.63903	2070	374.5559	-30.90484	0.62009
2071	373.9167	-36.69169	0.53456	2071	375.0868	-29.98683	0.57408	2071	378.0193	-31.49684	0.57433	2071	374.3986	-29.56952	0.63819	2071	374.728	-30.94274	0.61914
2072	374.0747	-36.74809	0.53308	2072	375.2722	-30.03705	0.57295	2072	378.152	-31.54589	0.57312	2072	374.608	-29.62031	0.63723	2072	374.9143	-30.97368	0.61822
2073	374.261	-36.80558	0.53163	2073	375.4066	-30.09503	0.57178	2073	378.3377	-31.59718	0.57185	2073	374.7549	-29.66442	0.63619	2073	375.0857	-31.00599	0.61738
2074	374.4375	-36.86342	0.53027	2074	375.5672	-30.14966	0.57067	2074	378.514	-31.64687	0.57101	2074	374.9306	-29.71691	0.63526	2074	375.2339	-31.03421	0.61656
2075	374.6007	-36.9137	0.52894	2075	375.7628	-30.20878	0.56968	2075	378.6985	-31.69426	0.56964	2075	375.0832	-29.76341	0.63441	2075	375.403	-31.07011	0.6156
2076	374.7441	-36.96933	0.52752	2076	375.9092	-30.25998	0.56854	2076	378.8427	-31.73743	0.56841	2076	375.2846	-29.81763	0.63348	2076	375.5908	-31.10242	0.61461
2077	374.9433	-37.02589	0.52603	2077	376.0777	-30.31874	0.56732	2077	379.019	-31.78645	0.5671	2077	375.4379	-29.86334	0.63242	2077	375.7613	-31.13849	0.61371
2078	375.109	-37.07858	0.52465	2078	376.247	-30.37816	0.56621	2078	379.1901	-31.83453	0.56582	2078	375.605	-29.91684	0.63138	2078	375.9197	-31.17001	0.61283
2079	375.2769	-37.12336	0.52336	2079	376.4364	-30.43948	0.56522	2079	379.3771	-31.88245	0.56468	2079	375.7588	-29.96813	0.63048				

2141	385.8091	-39.22639	0.43425	2141	386.9281	-34.33828	0.47603	2141	389.8821	-35.08779	0.46509	2141	386.271	-33.87611	0.54785	2141	386.5804	-34.35776	0.53596
2142	385.9651	-39.25695	0.43275	2142	387.0767	-34.40086	0.47428	2142	390.0274	-35.13752	0.46317	2142	386.4497	-33.9562	0.54627	2142	386.7589	-34.41512	0.53428
2143	386.1664	-39.28387	0.43111	2143	387.2499	-34.47278	0.47232	2143	390.2118	-35.19803	0.46101	2143	386.5935	-34.0337	0.54453	2143	386.9138	-34.47881	0.53264
2144	386.324	-39.3092	0.42953	2144	387.4338	-34.53827	0.4704	2144	390.3878	-35.24948	0.45885	2144	386.7671	-34.11713	0.54265	2144	387.0734	-34.53602	0.53111
2145	386.4918	-39.33266	0.42805	2145	387.608	-34.6028	0.46855	2145	390.5562	-35.30606	0.45689	2145	386.9457	-34.19788	0.54088	2145	387.2571	-34.60613	0.52952
2146	386.6419	-39.36289	0.42651	2146	387.7572	-34.664	0.46674	2146	390.7083	-35.35466	0.45497	2146	387.1287	-34.28143	0.53919	2146	387.4351	-34.66587	0.52778
2147	386.494	-39.39054	0.4249	2147	387.9261	-34.73461	0.46476	2147	390.8795	-35.41421	0.4528	2147	387.274	-34.35664	0.53742	2147	387.5887	-34.7307	0.52604
2148	387.0008	-39.41782	0.42334	2148	388.1152	-34.79842	0.46278	2148	391.0663	-35.46644	0.45058	2148	387.4435	-34.44251	0.53548	2148	387.7528	-34.7894	0.52442
2149	387.1717	-39.44175	0.42184	2149	388.278	-34.86361	0.46088	2149	391.2301	-35.52338	0.44855	2149	387.6314	-34.52548	0.53358	2149	387.9176	-34.85942	0.52278
2150	387.3218	-39.47004	0.42038	2150	388.4382	-34.92449	0.45903	2150	391.3861	-35.57505	0.44666	2150	387.8012	-34.60735	0.53181	2150	388.113	-34.92481	0.52098
2151	387.5269	-39.50048	0.41878	2151	388.5996	-34.99267	0.45705	2151	391.5467	-35.63712	0.44436	2151	387.9554	-34.68516	0.53001	2151	388.2634	-34.99397	0.51919
2152	387.6806	-39.52659	0.4172	2152	388.7932	-35.05691	0.45493	2152	391.74	-35.69366	0.4421	2152	388.1199	-34.76748	0.528	2152	388.4257	-35.06137	0.51751
2153	387.8554	-39.55069	0.4157	2153	388.9599	-35.12088	0.45295	2153	391.8933	-35.75050	0.43997	2153	388.3054	-34.85018	0.52601	2153	388.5883	-35.14021	0.51579
2154	388.0004	-39.57429	0.4142	2154	389.1216	-35.18112	0.45102	2154	392.0553	-35.81059	0.43792	2154	388.4771	-34.93239	0.52413	2154	388.7862	-35.21486	0.51395
2155	388.2101	-39.60455	0.4126	2155	389.2717	-35.24569	0.44895	2155	392.2099	-35.87621	0.43569	2155	388.635	-35.00938	0.52222	2155	388.9312	-35.29533	0.51207
2156	388.3656	-39.63103	0.41099	2156	389.4694	-35.31245	0.44668	2156	392.4035	-35.9381	0.43332	2156	388.7889	-35.09238	0.52023	2156	389.1056	-35.37878	0.51025
2157	388.5383	-39.6591	0.40941	2157	389.6327	-35.378	0.44476	2157	392.5615	-36.00227	0.43109	2157	388.9811	-35.17753	0.51814	2157	389.26	-35.46688	0.50845
2158	388.685	-39.68579	0.40791	2158	389.7975	-35.44204	0.44281	2158	392.726	-36.06483	0.42896	2158	389.1545	-35.26278	0.51618	2158	389.463	-35.55444	0.50658
2159	388.836	-39.71859	0.40627	2159	389.946	-35.50854	0.44077	2159	392.8745	-36.13292	0.4267	2159	389.3123	-35.34062	0.51427	2159	389.6043	-35.64464	0.50458
2160	389.045	-39.74546	0.4046	2160	390.1483	-35.58073	0.43856	2160	393.0779	-36.20072	0.42423	2160	389.4672	-35.42483	0.51223	2160	389.7788	-35.73548	0.50268
2161	389.2148	-39.78092	0.40296	2161	390.3042	-35.65189	0.43641	2161	393.2336	-36.26911	0.42189	2161	389.6606	-35.50959	0.51011	2161	389.9281	-35.83243	0.50082
2162	389.3625	-39.80592	0.40137	2162	390.4735	-35.71809	0.43437	2162	393.3957	-36.33321	0.41973	2162	389.8246	-35.59315	0.50804	2162	390.1374	-35.92517	0.49888
2163	389.5546	-39.84368	0.39973	2163	390.6174	-35.78804	0.43225	2163	393.5475	-36.40194	0.4175	2163	389.9925	-35.67003	0.50608	2163	390.2746	-36.01867	0.49689
2164	389.7319	-39.87211	0.398	2164	390.8189	-35.86204	0.42998	2164	393.7454	-36.46949	0.41507	2164	390.1385	-35.75042	0.50398	2164	390.4571	-36.11657	0.49491
2165	389.8875	-39.90642	0.39623	2165	390.981	-35.93303	0.42774	2165	393.8988	-36.5357	0.4127	2165	390.3323	-35.83518	0.50175	2165	390.5971	-36.21478	0.49303
2166	390.0476	-39.93714	0.39475	2166	391.1495	-35.9991	0.42565	2166	394.0694	-36.59844	0.41051	2166	390.498	-35.91967	0.4996	2166	390.8079	-36.31706	0.49107
2167	390.2325	-39.9747	0.39309	2167	391.2907	-36.06784	0.4235	2167	394.2107	-36.65978	0.40824	2167	390.6672	-35.99582	0.49759	2167	390.9541	-36.41093	0.48988
2168	390.407	-40.0053	0.39134	2168	391.4924	-36.1438	0.42118	2168	394.4122	-36.72691	0.40577	2168	390.811	-36.07646	0.49546	2168	391.127	-36.51374	0.48892
2169	390.5667	-40.04153	0.38967	2169	391.6549	-36.211	0.41885	2169	394.5738	-36.78761	0.40331	2169	391.0084	-36.16224	0.49318	2169	391.2748	-36.61332	0.48696
2170	390.7316	-40.07717	0.38802	2170	391.8286	-36.27942	0.41667	2170	394.7409	-36.84798	0.40097	2170	391.1704	-36.2423	0.49097	2170	391.479	-36.71182	0.48294
2171	390.8994	-40.10978	0.38634	2171	391.9735	-36.34179	0.41445	2171	394.8832	-36.90734	0.39864	2171	391.3476	-36.32232	0.48888	2171	391.6296	-36.81603	0.48078
2172	391.0889	-40.14456	0.38456	2172	392.1617	-36.41565	0.41212	2172	395.0313	-36.9684	0.3961	2172	391.494	-36.39957	0.48673	2172	391.7954	-36.92172	0.47866
2173	391.2441	-40.1824	0.38277	2173	392.332	-36.47993	0.40974	2173	395.2484	-37.02722	0.39353	2173	391.6839	-36.48624	0.48441	2173	391.9522	-37.02559	0.47667
2174	391.4074	-40.21452	0.38109	2174	392.5023	-36.54673	0.40747	2174	395.4172	-37.07867	0.39133	2174	391.8502	-36.56599	0.4821	2174	392.1529	-37.13597	0.47463
2175	391.5707	-40.25632	0.37934	2175	392.6467	-36.6063	0.40527	2175	395.5656	-37.12624	0.38876	2175	392.0274	-36.64533	0.47995	2175	392.3095	-37.23467	0.47243
2176	391.7659	-40.29194	0.3775	2176	392.8354	-36.67939	0.40286	2176	395.7475	-37.18204	0.38622	2176	392.1657	-36.72112	0.47777	2176	392.4667	-37.34257	0.47024
2177	391.9184	-40.33273	0.37571	2177	393.0158	-36.74209	0.40043	2177	395.9238	-37.22736	0.38358	2177	392.3538	-36.80656	0.47538	2177	392.625	-37.44494	0.46814
2178	392.0856	-40.36979	0.374	2178	393.1769	-36.81016	0.39808	2178	396.0822	-37.27461	0.38111	2178	392.5304	-36.88207	0.47301	2178	392.8147	-37.55869	0.46602
2179	392.2477	-40.41509	0.37224	2179	393.3322	-36.87123	0.39581	2179	396.2386	-37.3139	0.37872	2179	392.6998	-36.96116	0.47075	2179	392.9908	-37.66302	0.46376
2180	392.4468	-40.45641	0.3704	2180	393.508	-36.9414	0.39338	2180	396.4151	-37.36177	0.37614	2180	392.8484	-37.0324	0.46849	2180	393.1409	-37.77483	0.46149
2181	392.5937	-40.5008	0.36857	2181	393.6914	-37.00523	0.39083	2181	396.5975	-37.40081	0.37347	2181	393.0257	-37.11435	0.4661	2181	393.3023	-37.88084	0.45931
2182	392.7678	-40.5429	0.3668	2182	393.8527	-37.06964	0.38837	2182	396.776	-37.4444	0.3709	2182	393.2052	-37.19015	0.46362	2182	393.4853	-38.00072	0.45715
2183	392.9125	-40.59015	0.36503	2183	394.011	-37.12797	0.38602	2183	396.92	-37.47861	0.36846	2183	393.3761	-37.26847	0.46128	2183	393.6618	-38.10852	0.45488
2184	393.123	-40.63358	0.36315	2184	394.1779	-37.19579	0.38353	2184	397.0886	-37.52334	0.36585	2184	393.5234	-37.34069	0.459	2184	393.8075	-38.22355	0.45256
2185	393.2637	-40.67675	0.36125	2185	394.3708	-37.25688	0.38092	2185	397.2802	-37.55874	0.36311	2185	393.7001	-37.42323	0.45622	2185	393.9838	-38.33463	0.45032
2186	393.4426	-40.72136	0.35942	2186	394.526	-37.31836	0.37841	2186	397.437	-37.59606	0.36051	2186	393.8872	-37.49824	0.45399	2186	394.1941	-38.45444	0.44808
2187	393.5893	-40.76932	0.35763	2187	394.6886	-37.37579	0.37597	2187	397.6008	-37.62653	0.358	2187	394.0486	-37.576	0.45151	2187	394.3392	-38.55544	0.44577
2188	393.7466	-40.81638	0.35573	2188	394.851	-37.4438	0.37348	2188	397.7564	-37.66541	0.35543	2188	394.2098	-37.64805	0.44912	2188	394.4836	-38.68593	0.44335
2189	393.9499	-40.86041	0.3538	2189	395.048	-37.50172	0.37082	2189	397.9157	-37.6973	0.35262	2189	394.375	-37.72902	0.44664	2189	394.6552	-38.80074	0.441
2190	394.1247	-40.90733	0.35196	2190	395.1955	-37.56342	0.36819	2190	398.1071	-37.72824	0.34988	2190	394.5707	-37.80272	0.444	2190	394.8213	-38.92189	0.43872
2191	394.2688	-40.95311	0.35015	2191	395.3702	-37.62244	0.3657	2191	398.2752	-37.75771	0.34734	2191	394.7231	-37.8784	0.44147	2191	395.0172	-39.03571	0.43634
2192	394.4793	-41.00406	0.34827	2192	395.5186	-37.68712	0.36315	2192	398.4293	-37.79327	0.3447	2192	394.8937	-37.94688	0.43902	2192	395.1548	-39	

2254	404.9795	-43.96831	0.21337	2254	405.9573	-41.56907	0.17618	2254	408.901	-38.88541	0.16698	2254	405.4345	-41.05277	0.2597	2254	405.5016	-49.53465	0.26607
2255	405.1197	-44.00085	0.21095	2255	406.1462	-41.64771	0.17274	2255	409.0933	-38.87802	0.16407	2255	405.6224	-41.0806	0.25673	2255	405.6807	-49.66843	0.2632
2256	405.2995	-44.03283	0.20852	2256	406.2833	-41.73054	0.1692	2256	409.2423	-38.87469	0.16109	2256	405.7921	-41.09751	0.25364	2256	405.8503	-49.7984	0.26038
2257	405.4481	-44.06438	0.2062	2257	406.4586	-41.81151	0.16581	2257	409.4135	-38.86478	0.15828	2257	405.9455	-41.12346	0.25045	2257	406.0262	-49.91721	0.25763
2258	405.6655	-44.09788	0.20387	2258	406.6245	-41.89778	0.16247	2258	409.5791	-38.85637	0.1556	2258	406.1195	-41.14285	0.24738	2258	406.1706	-50.03262	0.25475
2259	405.7994	-44.12283	0.20143	2259	406.8162	-41.97581	0.159	2259	409.778	-38.85329	0.15276	2259	406.2995	-41.16982	0.24444	2259	406.349	-50.1443	0.25186
2260	405.9641	-44.15464	0.19901	2260	406.958	-42.05433	0.15543	2260	409.9192	-38.84491	0.14984	2260	406.4763	-41.18382	0.24142	2260	406.5253	-50.24956	0.24902
2261	406.1276	-44.18662	0.19669	2261	407.1323	-42.12872	0.15198	2261	410.0985	-38.83324	0.147	2261	406.6287	-41.20329	0.23827	2261	406.7033	-50.34371	0.24623
2262	406.3282	-44.21694	0.19436	2262	407.2941	-42.20707	0.14864	2262	410.2505	-38.82496	0.14432	2262	406.7997	-41.21867	0.23523	2262	406.845	-50.43275	0.24345
2263	406.4789	-44.24005	0.19194	2263	407.4955	-42.27782	0.14522	2263	410.4553	-38.81276	0.14158	2263	406.9779	-41.23598	0.23229	2263	407.0296	-50.51934	0.24044
2264	406.6476	-44.26944	0.18948	2264	407.6333	-42.34436	0.14166	2264	410.5973	-38.79684	0.13867	2264	407.1639	-41.24399	0.22935	2264	407.2045	-50.59647	0.23759
2265	406.8076	-44.29527	0.18712	2265	407.8124	-42.40849	0.13821	2265	410.7745	-38.78511	0.13586	2265	407.3051	-41.25649	0.22622	2265	407.3848	-50.66586	0.23483
2266	406.9994	-44.32665	0.18481	2266	407.9694	-42.47096	0.13487	2266	410.9254	-38.77177	0.13315	2266	407.4822	-41.26232	0.22315	2266	407.5276	-50.7248	0.23202
2267	407.1601	-44.34831	0.18239	2267	408.1724	-42.52731	0.13151	2267	411.1311	-38.76162	0.13044	2267	407.6585	-41.27352	0.22024	2267	407.7025	-50.78455	0.22912
2268	407.3203	-44.38002	0.17993	2268	408.3195	-42.57546	0.12798	2268	411.2751	-38.74103	0.12753	2268	407.8494	-41.27421	0.21731	2268	407.8821	-50.83418	0.22631
2269	407.4793	-44.40855	0.17751	2269	408.4959	-42.62022	0.1245	2269	411.4486	-38.72884	0.12472	2269	407.9931	-41.27667	0.21421	2269	408.063	-50.88064	0.22357
2270	407.6704	-44.44393	0.17516	2270	408.649	-42.65799	0.12113	2270	411.602	-38.71305	0.12211	2270	408.1715	-41.27754	0.21111	2270	408.2057	-50.91721	0.22082
2271	407.836	-44.46829	0.1728	2271	408.8528	-42.69058	0.11779	2271	411.8048	-38.70059	0.11947	2271	408.3416	-41.28083	0.20817	2271	408.3798	-50.95723	0.21796
2272	407.987	-44.5034	0.17036	2272	408.9991	-42.70744	0.11434	2272	411.9587	-38.68048	0.11669	2272	408.5374	-41.27983	0.20526	2272	408.5614	-50.9897	0.21515
2273	408.1579	-44.53055	0.16801	2273	409.1722	-42.72311	0.11095	2273	412.1278	-38.66385	0.11395	2273	408.6726	-41.27538	0.20221	2273	408.7396	-51.01763	0.21245
2274	408.3439	-44.56256	0.16573	2274	409.3375	-42.72656	0.10767	2274	412.2815	-38.6431	0.11142	2274	408.8531	-41.27564	0.19914	2274	408.8919	-51.03506	0.20974
2275	408.5168	-44.58263	0.16338	2275	409.5342	-42.72179	0.10448	2275	412.4787	-38.62592	0.10887	2275	409.0235	-41.27336	0.19626	2275	409.0619	-51.05191	0.20692
2276	408.6729	-44.60653	0.161	2276	409.6889	-42.70186	0.10111	2276	412.6394	-38.60911	0.10617	2276	409.2112	-41.27113	0.19343	2276	409.2461	-51.06355	0.20413
2277	408.844	-44.61984	0.15864	2277	409.8583	-42.67719	0.09778	2277	412.7971	-38.57104	0.10343	2277	409.356	-41.26112	0.19047	2277	409.4236	-51.06667	0.20145
2278	409.0211	-44.63639	0.15633	2278	410.0207	-42.6418	0.09461	2278	412.9615	-38.53991	0.10092	2278	409.5266	-41.25709	0.18745	2278	409.5825	-51.0574	0.19878
2279	409.2094	-44.63934	0.15398	2279	410.2181	-42.59949	0.09152	2279	413.1558	-38.51297	0.09842	2279	409.6957	-41.25104	0.18456	2279	409.7371	-51.04924	0.19602
2280	409.3464	-44.64088	0.15154	2280	410.3871	-42.53847	0.08841	2280	413.3254	-38.47222	0.09581	2280	409.8997	-41.24661	0.18179	2280	409.9293	-51.03421	0.19329
2281	409.5179	-44.63799	0.14916	2281	410.5442	-42.47134	0.08524	2281	413.4831	-38.43603	0.09314	2281	410.0404	-41.23481	0.17894	2281	410.1038	-51.01402	0.19065
2282	409.6862	-44.64166	0.14689	2282	410.7174	-42.39148	0.08227	2282	413.648	-38.39022	0.09067	2282	410.2055	-41.22911	0.17597	2282	410.2624	-50.98293	0.18805
2283	409.8804	-44.63948	0.14457	2283	410.9153	-42.30157	0.07944	2283	413.8328	-38.34989	0.0883	2283	410.3876	-41.22239	0.17311	2283	410.4204	-50.95589	0.18536
2284	410.0191	-44.64302	0.14217	2284	411.0918	-42.18648	0.07653	2284	414.0173	-38.29614	0.08577	2284	410.5676	-41.21653	0.17037	2284	410.6092	-50.92447	0.18262
2285	410.1987	-44.65014	0.13978	2285	411.2471	-42.06209	0.07356	2285	414.1649	-38.24441	0.08309	2285	410.7202	-41.2036	0.16757	2285	410.7786	-50.89155	0.18001
2286	410.3608	-44.66255	0.13752	2286	411.4278	-41.91276	0.07073	2286	414.3341	-38.1858	0.08062	2286	410.8855	-41.19368	0.16466	2286	410.9533	-50.84803	0.17739
2287	410.5575	-44.67477	0.13523	2287	411.6151	-41.74652	0.06807	2287	414.5145	-38.13048	0.07829	2287	411.0598	-41.18263	0.16188	2287	411.1016	-50.8069	0.17476
2288	410.7002	-44.68676	0.13283	2288	411.8036	-41.55301	0.06541	2288	414.7034	-38.06305	0.07589	2288	411.2424	-41.17071	0.15908	2288	411.2977	-50.76399	0.17204
2289	410.8772	-44.70204	0.13042	2289	411.9574	-41.34217	0.06269	2289	414.8443	-37.99333	0.07335	2289	411.4086	-41.15143	0.15636	2289	411.4681	-50.71729	0.16941
2290	411.039	-44.71602	0.12817	2290	412.1341	-41.10822	0.06009	2290	415.0271	-37.91637	0.07095	2290	411.5651	-41.13263	0.15351	2290	411.6384	-50.68822	0.16687
2291	411.2398	-44.73045	0.12591	2291	412.3186	-40.86488	0.05771	2291	415.1962	-37.83959	0.06878	2291	411.7428	-41.11513	0.15068	2291	411.7857	-50.60032	0.16427
2292	411.3805	-44.73626	0.12356	2292	412.5152	-40.59807	0.05533	2292	415.3948	-37.75305	0.06659	2292	411.9257	-41.09565	0.14804	2292	411.9841	-50.53863	0.16162
2293	411.5563	-44.74603	0.12122	2293	412.6541	-40.32294	0.05287	2293	415.5386	-37.66017	0.06429	2293	412.0945	-41.06631	0.1454	2293	412.149	-50.47085	0.15904
2294	411.7211	-44.75106	0.11895	2294	412.843	-40.03575	0.05055	2294	415.7199	-37.56218	0.06196	2294	412.2469	-41.0415	0.14263	2294	412.3282	-50.39652	0.15655
2295	411.9157	-44.75785	0.11678	2295	413.0193	-39.74789	0.04837	2295	415.8825	-37.4616	0.0599	2295	412.4305	-41.01271	0.13988	2295	412.4746	-50.31548	0.15405
2296	412.0674	-44.75189	0.11445	2296	413.2194	-39.44626	0.0463	2296	416.0906	-37.35826	0.05784	2296	412.6059	-40.98207	0.13729	2296	412.6662	-50.23516	0.15147
2297	412.2345	-44.75028	0.11213	2297	413.369	-39.14104	0.04415	2297	416.2272	-37.24293	0.05561	2297	412.7809	-40.94911	0.13479	2297	412.8395	-50.14436	0.14896
2298	412.3986	-44.74397	0.10988	2298	413.5578	-38.83209	0.04208	2298	416.4103	-37.13054	0.05345	2298	412.9312	-40.90231	0.13213	2298	413.0196	-50.05022	0.14656
2299	412.5957	-44.73844	0.10769	2299	413.7243	-38.52429	0.04021	2299	416.5721	-37.01384	0.05156	2299	413.1077	-40.86141	0.12946	2299	413.1675	-49.94364	0.14417
2300	412.7521	-44.71883	0.10542	2300	413.9306	-38.21463	0.0384	2300	416.7726	-36.89701	0.04967	2300	413.2885	-40.81884	0.1269	2300	413.3584	-49.84261	0.14167
2301	412.9189	-44.70332	0.10307	2301	414.0786	-37.89853	0.0365	2301	416.9209	-36.77233	0.04765	2301	413.4669	-40.76976	0.12443	2301	413.5393	-49.72347	0.13921
2302	413.0898	-44.68152	0.10082	2302	414.2612	-37.58851	0.03468	2302	417.0983	-36.65156	0.04562	2302	413.6103	-40.71898	0.12184	2302	413.7117	-49.60036	0.13688
2303	413.2727	-44.65618	0.09863	2303	414.4338	-37.27619	0.03304	2303	417.2582	-36.52902	0.04384	2303	413.7964	-40.67134	0.1192	2303	413.8692	-49.4631	0.13456
2304	413.4427	-44.61694	0.0964	2304	414.636	-36.96879	0.03154	2304	417.4606	-36.40816	0.04212	2304	413.9771	-40.61664	0.11676	2304	414.0507	-49.32642	0.13215
2305	413.5987	-44.58038	0.09412	2305	414.7852	-36.65692	0.02998	2305	417.6179	-36.27653	0.04026	2305	414.155						

2367	424.3704	-32.56935	0.0102	2367	425.3908	-30.78026	-1.36E-04	2367	428.1932	-32.43202	-0.00344	2367	424.8945	-32.09921	0.01466	2367	425.0802	-33.87426	0.02623
2368	424.5501	-32.44103	0.00979	2368	425.5627	-30.83372	-3.70E-04	2368	428.36	-32.4807	-0.00369	2368	425.0399	-31.94253	0.01414	2368	425.2451	-33.71668	0.02525
2369	424.7305	-32.32433	0.00951	2369	425.7393	-30.88469	-5.17E-04	2369	428.5369	-32.53015	-0.0039	2369	425.2539	-31.79272	0.01348	2369	425.4038	-33.55817	0.02439
2370	424.8936	-32.21004	0.00922	2370	425.9108	-30.93954	-5.25E-04	2370	428.7144	-32.58202	-0.00395	2370	425.4079	-31.64191	0.01282	2370	425.6001	-33.41095	0.02348
2371	425.0487	-32.11399	0.00883	2371	426.0514	-30.99584	-5.60E-04	2371	428.8736	-32.62777	-0.00406	2371	425.5817	-31.50157	0.0123	2371	425.7725	-33.25546	0.02248
2372	425.2301	-32.02642	0.00848	2372	426.2191	-31.06257	-7.66E-04	2372	429.0305	-32.68032	-0.00434	2372	425.7305	-31.36062	0.01189	2372	425.9352	-33.10626	0.02156
2373	425.4094	-31.94893	0.00823	2373	426.3965	-31.13282	-8.85E-04	2373	429.2048	-32.7356	-0.00456	2373	425.9385	-31.23554	0.01139	2373	426.1012	-32.95099	0.02078
2374	425.5798	-31.87458	0.00799	2374	426.5635	-31.20991	-9.65E-04	2374	429.3847	-32.79637	-0.00457	2374	426.096	-31.10772	0.01081	2374	426.2877	-32.80955	0.01997
2375	425.7296	-31.81473	0.00766	2375	426.7153	-31.2892	-8.72E-04	2375	429.5435	-32.84829	-0.00461	2375	426.2693	-30.99357	0.0104	2375	426.467	-32.65945	0.01907
2376	425.9123	-31.76491	0.00733	2376	426.8693	-31.37757	-0.00105	2376	429.695	-32.91157	-0.00482	2376	426.4177	-30.87772	0.01009	2376	426.6261	-32.51458	0.01821
2377	426.0873	-31.72194	0.00709	2377	427.0535	-31.47247	-0.0012	2377	429.8787	-32.97739	-0.00501	2377	426.6202	-30.78008	0.00968	2377	426.7892	-32.36649	0.01751
2378	426.2597	-31.67954	0.00695	2378	427.2214	-31.57116	-0.00121	2378	430.0533	-33.04282	-0.00502	2378	426.7895	-30.67996	0.00921	2378	426.9681	-32.23344	0.0168
2379	426.4032	-31.65012	0.0067	2379	427.3709	-31.66522	-0.00118	2379	430.222	-33.10698	-0.00503	2379	426.9448	-30.59169	0.0088	2379	427.1604	-32.0937	0.016
2380	426.5893	-31.6302	0.00643	2380	427.5249	-31.76936	-0.00136	2380	430.3726	-33.1767	-0.00521	2380	427.1056	-30.5058	0.00854	2380	427.3097	-31.96081	0.01522
2381	426.7568	-31.61423	0.00623	2381	427.7161	-31.87208	-0.00157	2381	430.5472	-33.2478	-0.00542	2381	427.3012	-30.43742	0.00823	2381	427.4836	-31.82498	0.01454
2382	426.9364	-31.60102	0.00613	2382	427.8749	-31.97626	-0.0016	2382	430.723	-33.322	-0.0055	2382	427.4722	-30.3624	0.00782	2382	427.6545	-31.70134	0.01391
2383	427.0783	-31.59493	0.00595	2383	428.0357	-32.07572	-0.00158	2383	430.8989	-33.39063	-0.0055	2383	427.6316	-30.29914	0.00746	2383	427.8531	-31.57533	0.01317
2384	427.2536	-31.60209	0.00571	2384	428.1833	-32.17838	-0.0017	2384	431.0365	-33.46587	-0.00562	2384	427.7915	-30.23615	0.00727	2384	428.0027	-31.45416	0.01243
2385	427.4323	-31.61522	0.00554	2385	428.3704	-32.28207	-0.00188	2385	431.2207	-33.54342	-0.00583	2385	427.9708	-30.18947	0.00704	2385	428.1805	-31.32894	0.0118
2386	427.6162	-31.63284	0.00542	2386	428.5326	-32.38564	-0.00194	2386	431.3903	-33.62311	-0.00591	2386	428.1612	-30.1382	0.00671	2386	428.3389	-31.21645	0.01124
2387	427.7498	-31.65221	0.00528	2387	428.696	-32.48334	-0.00184	2387	431.5673	-33.69967	-0.00585	2387	428.3107	-30.09626	0.00637	2387	428.5424	-31.09853	0.01062
2388	427.9323	-31.68587	0.00502	2388	428.8338	-32.5834	-0.00185	2388	431.71	-33.77669	-0.00596	2388	428.4718	-30.05327	0.00618	2388	428.6845	-30.98698	0.00997
2389	428.1057	-31.71989	0.00485	2389	429.0282	-32.68598	-0.002	2389	431.8929	-33.85941	-0.00614	2389	428.6476	-30.0259	0.00603	2389	428.8651	-30.87431	0.00943
2390	428.2813	-31.75438	0.00476	2390	429.1914	-32.78417	-0.00203	2390	432.0644	-33.94038	-0.00626	2390	428.8377	-29.9637	0.00573	2390	429.0219	-30.77211	0.00895
2391	428.4282	-31.79289	0.00462	2391	429.3539	-32.87864	-0.00198	2391	432.2483	-34.01856	-0.0062	2391	428.9881	-29.97514	0.00542	2391	429.2246	-30.66802	0.00842
2392	428.5965	-31.84104	0.00443	2392	429.4943	-32.97398	-0.00202	2392	432.3867	-34.09444	-0.00627	2392	429.1564	-29.95303	0.00525	2392	429.3664	-30.56866	0.00786
2393	428.7718	-31.88894	0.00427	2393	429.6829	-33.07242	-0.00225	2393	432.5577	-34.17788	-0.00649	2393	429.3213	-29.94608	0.00516	2393	429.5487	-30.47231	0.00734
2394	428.951	-31.94057	0.00422	2394	429.8425	-33.16652	-0.0024	2394	432.7401	-34.258	-0.0066	2394	429.5152	-29.93803	0.00494	2394	429.6957	-30.37921	0.00689
2395	429.1001	-31.99077	0.0042	2395	430.0217	-33.26032	-0.00238	2395	432.9159	-34.33782	-0.00658	2395	429.6584	-29.93884	0.00463	2395	429.909	-30.29208	0.00643
2396	429.2618	-32.05127	0.00402	2396	430.1617	-33.34629	-0.00242	2396	433.0606	-34.41489	-0.00662	2396	429.834	-29.93848	0.00446	2396	430.0585	-30.20001	0.00591
2397	429.4358	-32.11321	0.0039	2397	430.342	-33.44066	-0.00259	2397	433.2293	-34.49928	-0.00687	2397	429.884	-29.95058	0.00437	2397	430.2298	-30.11994	0.00544
2398	429.6259	-32.17503	0.00388	2398	430.5129	-33.52709	-0.00274	2398	433.4076	-34.58018	-0.00705	2398	430.1947	-29.96404	0.00418	2398	430.3882	-30.03979	0.00506
2399	429.7977	-32.23329	0.00382	2399	430.68	-33.61305	-0.00269	2399	433.5809	-34.66339	-0.00699	2399	430.3315	-29.97878	0.00392	2399	430.5919	-29.96711	0.00467
2400	429.9381	-32.30006	0.00367	2400	430.8259	-33.69332	-0.00267	2400	433.7352	-34.7434	-0.00703	2400	430.5092	-30.00041	0.00375	2400	430.742	-29.89274	0.00419
2401	430.1229	-32.36608	0.00354	2401	431.0033	-33.78181	-0.00282	2401	433.8929	-34.82786	-0.00721	2401	430.6666	-30.02689	0.00369	2401	430.9101	-29.82895	0.00377
2402	430.2954	-32.4346	0.00347	2402	431.1792	-33.85852	-0.00294	2402	434.079	-34.91397	-0.00736	2402	430.8669	-30.05583	0.0036	2402	431.0689	-29.76858	0.00342
2403	430.4621	-32.49576	0.00345	2403	431.344	-33.93791	-0.00298	2403	434.2579	-35.00151	-0.00733	2403	431.0095	-30.08419	0.00335	2403	431.2636	-29.71949	0.00309
2404	430.6064	-32.56415	0.00333	2404	431.4932	-34.00941	-0.00295	2404	434.4068	-35.08713	-0.00734	2404	431.1882	-30.12087	0.00323	2404	431.4237	-29.66551	0.00267
2405	430.7934	-32.63721	0.00319	2405	431.6583	-34.09007	-0.00313	2405	434.5589	-35.16921	-0.00756	2405	431.3402	-30.156	0.0032	2405	431.5829	-29.62681	0.00227
2406	430.9668	-32.70864	0.00316	2406	431.8473	-34.16317	-0.00331	2406	434.7493	-35.25687	-0.00772	2406	431.5415	-30.19521	0.00314	2406	431.7435	-29.58903	0.00198
2407	431.1287	-32.77531	0.00316	2407	432.0115	-34.23811	-0.00334	2407	434.9179	-35.34654	-0.00778	2407	431.687	-30.22934	0.00294	2407	431.9341	-29.56552	0.00174
2408	431.2739	-32.84822	0.00308	2408	432.1635	-34.30742	-0.00333	2408	435.0802	-35.42784	-0.00779	2408	431.8538	-30.27211	0.00275	2408	432.1071	-29.53784	0.0014
2409	431.4656	-32.9246	0.00296	2409	432.3259	-34.38318	-0.00342	2409	435.2116	-35.51721	-0.00794	2409	432.0133	-30.31262	0.00271	2409	432.2574	-29.52501	0.00105
2410	431.628	-33.00234	0.00289	2410	432.4719	-34.4537	-0.00357	2410	435.3416	-35.60571	-0.00808	2410	432.2131	-30.35818	0.00265	2410	432.4256	-29.51305	7.87E-04
2411	431.8066	-33.07649	0.00293	2411	432.6747	-34.52496	-0.00358	2411	435.583	-35.69765	-0.00812	2411	432.3615	-30.39569	0.00237	2411	432.6065	-29.51294	5.81E-04
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2413	432.1294	-33.23797	0.00274	2413	432.9914	-34.65857	-0.00362	2413	435.8963	-35.87336	-0.00814	2413	432.6906	-30.48975	0.00203	2413	432.9319	-29.51947	-4.72E-05
2414	432.3008	-33.32143	0.00268	2414	433.1867	-34.72483	-0.00379	2414	436.0685	-35.96406	-0.00832	2414	432.8832	-30.54224	0.00199	2414	433.1	-29.52629	-2.92E-04
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2417	432.7988	-33.57352	0.00249	2417	433.653	-34.91	-0.00382	2417	436.5705	-36.22748	-0.00852	2417	433.3656	-30.69233	0.00156	2417	433.6019	-29.59433	-0.00102
2418	432.9702	-33.65768	0.00241	2418	433.8537	-34.97484	-0.00399	2418	436.7247	-36.31628	-0.00874	2418	433.5565	-30.75					

2480	443.3662	-39.03893	-3.69E-04	2480	444.2854	-38.50538	-0.00679	2480	447.1881	-40.99916	-0.0128	2480	444.0014	-35.38973	-0.00175	2480	444.1649	-35.38793	-0.00743
2481	443.5377	-39.12983	-3.18E-04	2481	444.4331	-38.5594	-0.00688	2481	447.3528	-41.0662	-0.01295	2481	444.1576	-35.46524	-0.00165	2481	444.3366	-35.4927	-0.00745
2482	443.6821	-39.21811	-3.01E-04	2482	444.6075	-38.60863	-0.00686	2482	447.5241	-41.13702	-0.01292	2482	444.3099	-35.54653	-0.00174	2482	444.52	-35.58953	-0.00746
2483	443.871	-39.31854	-4.05E-04	2483	444.7567	-38.66275	-0.00676	2483	447.6709	-41.20235	-0.01283	2483	444.4993	-35.62986	-0.00189	2483	444.6568	-35.68742	-0.00756
2484	444.0442	-39.40905	-4.86E-04	2484	444.9642	-38.71417	-0.00685	2484	447.8615	-41.27747	-0.01294	2484	444.6701	-35.71345	-0.00186	2484	444.8344	-35.78811	-0.00767
2485	444.2113	-39.5049	-4.91E-04	2485	445.1041	-38.7663	-0.00697	2485	448.0274	-41.34223	-0.01312	2485	444.8294	-35.79179	-0.00179	2485	445.01	-35.88832	-0.00769
2486	444.3593	-39.5936	-4.58E-04	2486	445.2809	-38.81942	-0.00697	2486	448.1998	-41.41247	-0.01313	2486	444.9787	-35.87595	-0.00185	2486	445.1881	-35.98441	-0.00768
2487	444.5393	-39.69275	-5.21E-04	2487	445.4293	-38.87589	-0.00687	2487	448.3513	-41.4744	-0.01307	2487	445.1711	-35.96008	-0.002	2487	445.3189	-36.08181	-0.00774
2488	444.7116	-39.78144	-6.03E-04	2488	445.6405	-38.9335	-0.00694	2488	448.527	-41.54639	-0.01322	2488	445.3352	-36.04528	-0.002	2488	445.5032	-36.18605	-0.00787
2489	444.8791	-39.87238	-5.70E-04	2489	445.7806	-38.98628	-0.00708	2489	448.7062	-41.60947	-0.01344	2489	445.5029	-36.12609	-0.00196	2489	445.6744	-36.2839	-0.00787
2490	445.0353	-39.95734	-5.16E-04	2490	445.9551	-39.04389	-0.00709	2490	448.8685	-41.67564	-0.01344	2490	445.6505	-36.21175	-0.00202	2490	445.8547	-36.38444	-0.00784
2491	445.1981	-40.05083	-5.62E-04	2491	446.1015	-39.10022	-0.00701	2491	449.0209	-41.73569	-0.01338	2491	445.835	-36.30001	-0.00219	2491	445.9933	-36.4824	-0.00788
2492	445.3883	-40.13735	-6.25E-04	2492	446.308	-39.16151	-0.00702	2492	449.1937	-41.80676	-0.01339	2492	446.0017	-36.38834	-0.00228	2492	446.1675	-36.58222	-0.00799
2493	445.5477	-40.22535	-6.10E-04	2493	446.4608	-39.21213	-0.00717	2493	449.3836	-41.86816	-0.01351	2493	446.1755	-36.47389	-0.00226	2493	446.3422	-36.68173	-0.00797
2494	445.7105	-40.3084	-5.37E-04	2494	446.6322	-39.27234	-0.00721	2494	449.5356	-41.93309	-0.01348	2494	446.3119	-36.56146	-0.00229	2494	446.5307	-36.77869	-0.00799
2495	445.8694	-40.40048	-5.63E-04	2495	446.7807	-39.32525	-0.00713	2495	449.7007	-41.99314	-0.01332	2495	446.5026	-36.65409	-0.00243	2495	446.671	-36.87015	-0.00792
2496	446.0623	-40.48518	-6.43E-04	2496	446.9789	-39.38544	-0.00717	2496	449.8621	-42.05995	-0.0133	2496	446.6678	-36.7431	-0.0025	2496	446.8428	-36.96649	-0.00803
2497	446.2196	-40.5719	-6.78E-04	2497	447.1395	-39.43525	-0.00731	2497	450.0547	-42.12196	-0.01341	2497	446.8425	-36.83376	-0.00242	2497	447.0212	-37.06027	-0.00806
2498	446.3852	-40.65493	-7.13E-04	2498	447.2987	-39.49287	-0.00744	2498	450.2095	-42.18651	-0.01342	2498	446.9864	-36.91879	-0.00237	2498	447.1953	-37.15208	-0.00802
2499	446.5344	-40.74335	-7.56E-04	2499	447.461	-39.54574	-0.00738	2499	450.3792	-42.25356	-0.01329	2499	447.1722	-37.00813	-0.00249	2499	447.3445	-37.23842	-0.00805
2500	446.7351	-40.83134	-8.97E-04	2500	447.6498	-39.6036	-0.00737	2500	450.5282	-42.31305	-0.0133	2500	447.3403	-37.09116	-0.00258	2500	447.5122	-37.33017	-0.00817
2501	446.8893	-40.91808	-9.39E-04	2501	447.8196	-39.65146	-0.00751	2501	450.7327	-42.3778	-0.01344	2501	447.5111	-37.17516	-0.0025	2501	447.6902	-37.42073	-0.00822
2502	447.0518	-41.00148	-8.86E-04	2502	447.9729	-39.70844	-0.00758	2502	450.8834	-42.44118	-0.01352	2502	447.6577	-37.25243	-0.00246	2502	447.8634	-37.5095	-0.00818
2503	447.2003	-41.09103	-8.54E-04	2503	448.1323	-39.75676	-0.00756	2503	451.0525	-42.50542	-0.0135	2503	447.8333	-37.34006	-0.00255	2503	448.0221	-37.58985	-0.00817
2504	447.4017	-41.1808	-9.39E-04	2504	448.319	-39.81866	-0.00748	2504	451.1998	-42.57368	-0.01347	2504	448.0131	-37.4184	-0.00269	2504	448.1744	-37.67852	-0.00827
2505	447.5536	-41.27022	-9.99E-04	2505	448.5027	-39.86701	-0.0075	2505	451.4024	-42.64027	-0.01362	2505	448.1765	-37.49828	-0.00267	2505	448.3602	-37.76602	-0.00832
2506	447.7277	-41.35621	-9.65E-04	2506	448.6442	-39.92215	-0.00769	2506	451.5537	-42.70649	-0.0138	2506	448.3284	-37.57349	-0.00262	2506	448.5409	-37.85403	-0.00827
2507	447.8716	-41.44406	-9.51E-04	2507	448.814	-39.97258	-0.00767	2507	451.7314	-42.77282	-0.01374	2507	448.4963	-37.65814	-0.00271	2507	448.6981	-37.93265	-0.00823
2508	448.0688	-41.53572	-0.00105	2508	448.9841	-40.03081	-0.0076	2508	451.8705	-42.83976	-0.01365	2508	448.6809	-37.73458	-0.00288	2508	448.8523	-38.01872	-0.0083
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2510	448.3941	-41.71029	-0.00114	2510	449.3185	-40.13711	-0.00776	2510	452.2343	-42.97872	-0.01384	2510	449.0042	-37.8884	-0.00281	2510	449.2026	-38.19244	-0.00835
2511	448.5357	-41.79599	-0.00111	2511	449.4926	-40.18706	-0.00776	2511	452.3999	-43.04745	-0.01381	2511	449.1602	-37.96887	-0.00288	2511	449.3745	-38.27419	-0.00831
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2514	449.0622	-42.06391	-0.0012	2514	449.9915	-40.35265	-0.00781	2514	452.9061	-43.24545	-0.01391	2514	449.6722	-38.19444	-0.00295	2514	449.8721	-38.54242	-0.00849
2515	449.2091	-42.14477	-0.00115	2515	450.1612	-40.40552	-0.00785	2515	453.0725	-43.31213	-0.01392	2515	449.8301	-38.27368	-0.00302	2515	449.8434	-38.62698	-0.00843
2516	449.396	-42.23831	-0.00119	2516	450.3241	-40.46312	-0.00777	2516	453.223	-43.37183	-0.01382	2516	450.0299	-38.3495	-0.00316	2516	450.1843	-38.71766	-0.00848
2517	449.5632	-42.32353	-0.00129	2517	450.5245	-40.51714	-0.00778	2517	453.4089	-43.44208	-0.0139	2517	450.1806	-38.42538	-0.00322	2517	450.372	-38.81133	-0.00856
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2520	450.0562	-42.58517	-0.00129	2520	450.9938	-40.68314	-0.00797	2520	453.8952	-43.62999	-0.01407	2520	450.6945	-38.64996	-0.0033	2520	450.8683	-39.07864	-0.00858
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2522	450.3964	-42.75954	-0.00145	2522	451.3387	-40.79752	-0.00816	2522	454.2572	-43.76556	-0.01425	2522	451.0229	-38.79732	-0.00331	2522	451.2126	-39.25899	-0.00873
2523	450.5513	-42.84126	-0.0014	2523	451.5113	-40.8553	-0.00822	2523	454.4146	-43.83299	-0.01427	2523	451.1624	-38.87163	-0.00329	2523	451.3877	-39.34815	-0.00868
2524	450.7177	-42.93367	-0.00146	2524	451.6628	-40.91207	-0.00814	2524	454.5788	-43.89343	-0.01414	2524	451.3687	-38.9491	-0.00344	2524	451.5264	-39.43216	-0.00868
2525	450.8994	-43.0196	-0.00156	2525	451.8668	-40.97396	-0.0081	2525	454.7471	-43.96407	-0.01401	2525	451.5196	-39.02188	-0.00355	2525	451.7042	-39.52543	-0.00881
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2527	451.2185	-43.19437	-0.00155	2527	452.1808	-41.08566	-0.00831	2527	455.087	-44.09481	-0.014	2527	451.8382	-39.16576	-0.00346	2527	452.0508	-39.7045	-0.00882
2528	451.3746	-43.28016	-0.00154	2528	452.34	-41.14132	-0.00823	2528	455.2541	-44.15355	-0.01377	2528	452.0354	-39.24405	-0.00355	2528	452.1993	-39.7911	-0.00882
2529	451.5725	-43.3754	-0.00162	2529	452.5329	-41.20032	-0.00816	2529	455.4136	-44.22302	-0.01364	2529	452.1973	-39.31346	-0.00369	2529	452.3697	-39.88789	-0.00895
2530	451.7282	-43.46617	-0.00165	2530	452.6898	-41.25125	-0.00828	2530	455.6152	-44.2818	-0.01372	2530	452.3651	-39.38583	-0.00364	2530	452.5518	-39.98132	-0.00901
2531	451.8911	-43.55029	-0.00159	2531	452.853	-41.30934	-0.0084	2531	455.762	-44.34611	-0.01373	2531	4						

2593	462.2727	-48.22711	-0.00288	2593	463.2888	-44.36927	-0.01037	2593	466.185	-48.03562	-0.01393	2593	462.9216	-43.70988	-0.00433	2593	463.132	-45.19701	-0.0099
2594	462.4318	-48.30174	-0.00283	2594	463.4607	-44.41708	-0.01038	2594	466.3591	-48.09384	-0.01391	2594	463.1144	-43.78116	-0.00425	2594	463.2834	-45.27452	-0.00982
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2596	462.7793	-48.44165	-0.00297	2596	463.8066	-44.51153	-0.01031	2596	466.7231	-48.21923	-0.01369	2596	463.4353	-43.9156	-0.00446	2596	463.6398	-45.44454	-0.00991
2597	462.9497	-48.50722	-0.00298	2597	463.9664	-44.5643	-0.0104	2597	466.8642	-48.27696	-0.01383	2597	463.5893	-43.98062	-0.00438	2597	463.7977	-45.52897	-0.00996
2598	463.0984	-48.57801	-0.00293	2598	464.1403	-44.61078	-0.0105	2598	467.0364	-48.33461	-0.01384	2598	463.7844	-44.05061	-0.00429	2598	463.9609	-45.60706	-0.00988
2599	463.3054	-48.64369	-0.00295	2599	464.3192	-44.66052	-0.01042	2599	467.1921	-48.39334	-0.01375	2599	463.9423	-44.11167	-0.0044	2599	464.1191	-45.69602	-0.00987
2600	463.4456	-48.70863	-0.00303	2600	464.492	-44.70349	-0.0104	2600	467.3978	-48.45238	-0.01373	2600	464.0955	-44.18078	-0.00452	2600	464.3161	-45.7756	-0.00999
2601	463.6211	-48.77384	-0.003	2601	464.6399	-44.75197	-0.01058	2601	467.5369	-48.50388	-0.01387	2601	464.2654	-44.24675	-0.00449	2601	464.469	-45.85981	-0.01001
2602	463.7709	-48.83985	-0.00297	2602	464.8171	-44.79771	-0.0107	2602	467.7166	-48.56241	-0.01395	2602	464.4558	-44.31644	-0.00442	2602	464.6307	-45.93997	-0.01006
2603	463.9756	-48.90723	-0.00297	2603	464.9997	-44.84409	-0.01068	2603	467.8704	-48.61263	-0.01386	2603	464.613	-44.37885	-0.00448	2603	464.7916	-46.02821	-0.00999
2604	464.1226	-48.97103	-0.00303	2604	465.1677	-44.88144	-0.01063	2604	468.0661	-48.67263	-0.01383	2604	464.765	-44.45057	-0.00446	2604	464.9989	-46.10846	-0.01009
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2606	464.4378	-49.11237	-0.00295	2606	465.4931	-44.96433	-0.0109	2606	468.3862	-48.77663	-0.01405	2606	465.1147	-44.59212	-0.00453	2606	465.3132	-46.27064	-0.01013
2607	464.6455	-49.1899	-0.00299	2607	465.6664	-45.00747	-0.01082	2607	468.5416	-48.83017	-0.01396	2607	465.2895	-44.65661	-0.00454	2607	465.4626	-46.35291	-0.01007
2608	464.7987	-49.25838	-0.00307	2608	465.8483	-45.04185	-0.01074	2608	468.7443	-48.88686	-0.01384	2608	465.4355	-44.7276	-0.00468	2608	465.6636	-46.43393	-0.01014
2609	464.9583	-49.33595	-0.00312	2609	465.9882	-45.0793	-0.01081	2609	468.8993	-48.93361	-0.01398	2609	465.6039	-44.79754	-0.00472	2609	465.8125	-46.51233	-0.01022
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2612	465.4652	-49.5641	-0.00321	2612	466.5269	-45.20358	-0.01072	2612	469.4087	-49.1016	-0.01391	2612	466.1033	-45.00705	-0.00471	2612	466.3356	-46.75611	-0.01018
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2614	465.7833	-49.72251	-0.00322	2614	466.8449	-45.2882	-0.01087	2614	469.7344	-49.20824	-0.0142	2614	466.4522	-45.15051	-0.0047	2614	466.6557	-46.91828	-0.01025
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2617	466.2944	-49.96862	-0.00327	2617	467.3431	-45.41646	-0.01081	2617	470.2596	-49.37696	-0.01406	2617	466.951	-45.35156	-0.00483	2617	467.159	-47.16495	-0.0103
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2624	467.4785	-50.51291	-0.00329	2624	468.5425	-45.74691	-0.0111	2624	471.4158	-49.78701	-0.01398	2624	468.1249	-45.82377	-0.00475	2624	468.3415	-47.73534	-0.01028
2625	467.6302	-50.59134	-0.00337	2625	468.699	-45.79257	-0.01104	2625	471.6144	-49.83884	-0.01396	2625	468.2952	-45.89316	-0.00489	2625	468.5125	-47.83238	-0.01039
2626	467.7958	-50.66633	-0.00336	2626	468.8613	-45.84551	-0.01119	2626	471.7524	-49.89057	-0.01407	2626	468.4598	-45.96102	-0.0049	2626	468.6687	-47.91672	-0.01045
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2628	468.1603	-50.82553	-0.00337	2628	469.2151	-45.9531	-0.01121	2628	472.0862	-49.99406	-0.01406	2628	468.7985	-46.09411	-0.00486	2628	469.0054	-48.08526	-0.01044
2629	468.2979	-50.90286	-0.00345	2629	469.3779	-45.99985	-0.01116	2629	472.2853	-50.05563	-0.01407	2629	468.9599	-46.16416	-0.00495	2629	469.191	-48.16752	-0.01049
2630	468.4736	-50.97797	-0.00346	2630	469.5258	-46.05072	-0.01131	2630	472.4231	-50.10964	-0.01424	2630	469.1364	-46.23252	-0.00493	2630	469.3412	-48.25243	-0.01058
2631	468.6259	-51.05474	-0.00342	2631	469.7148	-46.10263	-0.01146	2631	472.6007	-50.16976	-0.01432	2631	469.3197	-46.30243	-0.00483	2631	469.5054	-48.33228	-0.01054
2632	468.8248	-51.12705	-0.00347	2632	469.8911	-46.15425	-0.01144	2632	472.7574	-50.22866	-0.01427	2632	469.4755	-46.3669	-0.00481	2632	469.6732	-48.42197	-0.01049
2633	468.9671	-51.19731	-0.00355	2633	470.0531	-46.19712	-0.01136	2633	472.9589	-50.29108	-0.01424	2633	469.6341	-46.43776	-0.00495	2633	469.8652	-48.5036	-0.01055
2634	469.1444	-51.27311	-0.00357	2634	470.2023	-46.24552	-0.01143	2634	473.1048	-50.34457	-0.01432	2634	469.807	-46.50752	-0.00499	2634	470.0057	-48.5901	-0.01062
2635	469.288	-51.34276	-0.00352	2635	470.39	-46.29368	-0.01152	2635	473.2753	-50.40406	-0.01443	2635	469.9893	-46.57964	-0.00491	2635	470.1776	-48.67282	-0.0106
2636	469.4959	-51.42359	-0.00353	2636	470.5562	-46.3415	-0.01144	2636	473.4302	-50.46303	-0.01444	2636	470.1504	-46.64551	-0.00489	2636	470.3378	-48.76156	-0.01051
2637	469.6364	-51.49305	-0.00361	2637	470.7376	-46.38495	-0.01133	2637	473.6262	-50.52446	-0.01435	2637	470.3018	-46.71959	-0.00506	2637	470.5329	-48.84483	-0.01053
2638	469.8057	-51.57253	-0.00363	2638	470.8822	-46.43082	-0.01137	2638	473.7805	-50.57747	-0.01442	2638	470.4805	-46.79368	-0.00515	2638	470.6793	-48.93093	-0.0106
2639	469.9605	-51.64842	-0.00358	2639	471.0599	-46.47813	-0.01149	2639	473.9427	-50.63776	-0.01457	2639	470.6594	-46.86745	-0.00508	2639	470.8554	-49.01527	-0.0106
2640	470.161	-51.72095	-0.00359	2640	471.2326	-46.52593	-0.01153	2640	474.1083	-50.69496	-0.01455	2640	470.8259	-46.93593	-0.00497	2640	471.0065	-49.10528	-0.01053
2641	470.3138	-51.80462	-0.00367	2641	471.4105	-46.56901	-0.01145	2641	474.2953	-50.75507	-0.01442	2641	470.9755	-47.00936	-0.00504	2641	471.2138	-49.18988	-0.01056
2642	470.4733	-51.88527	-0.00369	2642	471.5473	-46.61542	-0.01149	2642	474.4583	-50.80759	-0.01443	2642	471.1536	-47.08083	-0.00507	2642	471.3541	-49.27445	-0.01064
2643	470.6254	-51.96889	-0.00363	2643	471.7313	-46.66816	-0.01166	2643	474.6135	-50.86715	-0.01454	2643	471.3258	-47.15318	-0.00497	2643	471.5286	-49.36023	-0.01067
2644	470.8201	-52.04578	-0.00361	2644	471.9047	-46.71529	-0.0117	2644	474.7819	-50.92193	-0.01455	2644	471.5016	-47.21791	-0.00				

2706	481.1982	-56.70275	-0.00476	2706	482.1116	-51.06467	-0.01355	2706	485.2291	-54.6853	-0.01582	2706	481.9064	-51.66495	-0.0059	2706	482.063	-54.91803	-0.01159
2707	481.3563	-56.77818	-0.00482	2707	482.2726	-51.21065	-0.01353	2707	485.407	-54.75407	-0.01572	2707	482.0497	-51.74018	-0.00588	2707	482.2557	-55.00129	-0.01153
2708	481.5134	-56.86282	-0.00488	2708	482.4092	-51.34879	-0.01348	2708	485.5712	-54.81713	-0.0157	2708	482.2539	-51.81694	-0.00602	2708	482.3352	-55.08086	-0.0116
2709	481.6771	-56.94206	-0.00487	2709	482.5845	-51.49408	-0.01355	2709	485.7173	-54.88993	-0.01584	2709	482.4045	-51.88994	-0.00611	2709	482.5677	-55.16403	-0.01166
2710	481.8587	-57.02761	-0.00483	2710	482.7537	-51.62366	-0.01369	2710	485.8962	-54.95489	-0.01599	2710	482.5776	-51.96537	-0.00607	2710	482.7283	-55.24855	-0.01163
2711	482.0265	-57.10438	-0.00486	2711	482.9075	-51.75275	-0.0137	2711	486.0684	-55.02578	-0.016	2711	482.7231	-52.03677	-0.00599	2711	482.9237	-55.33332	-0.01153
2712	482.1795	-57.18888	-0.00492	2712	483.0547	-51.86966	-0.01365	2712	486.2495	-55.09126	-0.01594	2712	482.9186	-52.11762	-0.00605	2712	483.067	-55.41358	-0.01158
2713	482.3461	-57.26282	-0.00491	2713	483.2177	-51.99184	-0.01375	2713	486.3893	-55.15972	-0.01608	2713	483.0785	-52.19134	-0.00614	2713	483.238	-55.50062	-0.01165
2714	482.5282	-57.33437	-0.00482	2714	483.3934	-52.10024	-0.01387	2714	486.5637	-55.23116	-0.01623	2714	483.2506	-52.26808	-0.00607	2714	483.4031	-55.58486	-0.01161
2715	482.7069	-57.4308	-0.00486	2715	483.5466	-52.20496	-0.01387	2715	486.7358	-55.30162	-0.01624	2715	483.3906	-52.34097	-0.00599	2715	483.5906	-55.67217	-0.01154
2716	482.8453	-57.51321	-0.00498	2716	483.6974	-52.29713	-0.01379	2716	486.9193	-55.36846	-0.01611	2716	483.5915	-52.42362	-0.00603	2716	483.7435	-55.75066	-0.01156
2717	483.0191	-57.59005	-0.00502	2717	483.8509	-52.39383	-0.0138	2717	487.0601	-55.43556	-0.01612	2717	483.7575	-52.49669	-0.00617	2717	483.9054	-55.83628	-0.01165
2718	483.1909	-57.67312	-0.00497	2718	484.0387	-52.47584	-0.01392	2718	487.2379	-55.5063	-0.01627	2718	483.9194	-52.5734	-0.00615	2718	484.0664	-55.91867	-0.01165
2719	483.3781	-57.74671	-0.005	2719	484.1895	-52.55505	-0.01399	2719	487.4091	-55.57204	-0.01621	2719	484.0712	-52.64632	-0.00608	2719	484.2567	-56.00282	-0.01156
2720	483.5163	-57.82375	-0.00512	2720	484.3465	-52.62352	-0.01397	2720	487.5889	-55.63974	-0.01605	2720	484.2545	-52.7266	-0.00611	2720	484.4137	-56.08045	-0.01156
2721	483.6933	-57.8943	-0.00518	2721	484.4981	-52.69669	-0.01398	2721	487.7325	-55.70136	-0.01602	2721	484.4293	-52.80096	-0.00623	2721	484.5664	-56.16498	-0.01163
2722	483.8536	-57.97468	-0.00513	2722	484.6493	-52.75798	-0.01412	2722	487.9008	-55.77167	-0.01617	2722	484.5916	-52.87732	-0.00624	2722	484.7399	-56.2465	-0.01165
2723	484.0497	-58.04572	-0.00511	2723	484.8376	-52.81744	-0.01419	2723	488.0747	-55.8391	-0.01628	2723	484.7463	-52.9457	-0.00613	2723	484.9244	-56.32024	-0.0116
2724	484.1888	-58.11601	-0.00521	2724	484.9991	-52.86944	-0.01411	2724	488.2606	-55.90716	-0.01619	2724	484.9201	-53.02461	-0.00609	2724	485.091	-56.40644	-0.01156
2725	484.3673	-58.18897	-0.00526	2725	485.1418	-52.92468	-0.01409	2725	488.4018	-55.96822	-0.01616	2725	485.1051	-53.09441	-0.00618	2725	485.2404	-56.48786	-0.01165
2726	484.527	-58.26237	-0.00524	2726	485.3421	-52.97532	-0.01418	2726	488.566	-56.03731	-0.01634	2726	485.2562	-53.16733	-0.00621	2726	485.4153	-56.56948	-0.01172
2727	484.7227	-58.3358	-0.00521	2727	485.4933	-53.0235	-0.01427	2727	488.7452	-56.10432	-0.01645	2727	485.4192	-53.23583	-0.00614	2727	485.5929	-56.65149	-0.01166
2728	484.8604	-58.4045	-0.00527	2728	485.6538	-53.06523	-0.01425	2728	488.9247	-56.17368	-0.01636	2728	485.5897	-53.31315	-0.00612	2728	485.766	-56.72954	-0.01161
2729	485.0363	-58.48004	-0.00534	2729	485.7925	-53.11027	-0.0142	2729	489.081	-56.23474	-0.0163	2729	485.7789	-53.38293	-0.00621	2729	485.9096	-56.80963	-0.01171
2730	485.1926	-58.55084	-0.00528	2730	485.9973	-53.15569	-0.01432	2730	489.2389	-56.30266	-0.01642	2730	485.9271	-53.45677	-0.00627	2730	486.0823	-56.8928	-0.01176
2731	485.3894	-58.62895	-0.00523	2731	486.1438	-53.19575	-0.01439	2731	489.4118	-56.36856	-0.01649	2731	486.0976	-53.52589	-0.00619	2731	486.2597	-56.97919	-0.01174
2732	485.5364	-58.69799	-0.00528	2732	486.3136	-53.23606	-0.01437	2732	489.5896	-56.43858	-0.0164	2732	486.2492	-53.6024	-0.00618	2732	486.4337	-57.05689	-0.01169
2733	485.7029	-58.77629	-0.00534	2733	486.4566	-53.2711	-0.01429	2733	489.7514	-56.50112	-0.01634	2733	486.4518	-53.67267	-0.00626	2733	486.5721	-57.14155	-0.01179
2734	485.8652	-58.85152	-0.00534	2734	486.6526	-53.31195	-0.01441	2734	489.8992	-56.56925	-0.01649	2734	486.599	-53.74574	-0.00635	2734	486.7513	-57.22644	-0.01186
2735	486.0572	-58.92961	-0.00529	2735	486.8114	-53.34369	-0.0145	2735	490.0798	-56.63705	-0.0166	2735	486.7684	-53.81454	-0.00633	2735	486.919	-57.31287	-0.01184
2736	486.2105	-59.00098	-0.00535	2736	486.974	-53.376	-0.01445	2736	490.2544	-56.70442	-0.01657	2736	486.9194	-53.89063	-0.00629	2736	487.1061	-57.39489	-0.01181
2737	486.3728	-59.07884	-0.00546	2737	487.1166	-53.40153	-0.01438	2737	490.4224	-56.76835	-0.01655	2737	487.125	-53.96109	-0.00638	2737	487.2467	-57.47374	-0.01185
2738	486.5376	-59.15271	-0.00546	2738	487.3068	-53.43742	-0.01444	2738	490.5683	-56.83506	-0.01669	2738	487.2648	-54.03183	-0.00649	2738	487.4213	-57.55709	-0.01194
2739	486.7236	-59.23103	-0.00541	2739	487.47	-53.4623	-0.01456	2739	490.7495	-56.90265	-0.01681	2739	487.4414	-54.10423	-0.00644	2739	487.5924	-57.63918	-0.01191
2740	486.8892	-59.30167	-0.00545	2740	487.6279	-53.49225	-0.01457	2740	490.9163	-56.9717	-0.01678	2740	487.5888	-54.17934	-0.00637	2740	487.7802	-57.72002	-0.01183
2741	487.0391	-59.37956	-0.00555	2741	487.7806	-53.51534	-0.01449	2741	491.0948	-57.0348	-0.01672	2741	487.7955	-54.25556	-0.00635	2741	487.915	-57.79567	-0.01188
2742	487.2088	-59.45505	-0.00562	2742	487.9558	-53.54918	-0.01453	2742	491.237	-57.10347	-0.01683	2742	487.9415	-54.3276	-0.00646	2742	488.0875	-57.87951	-0.01198
2743	487.3918	-59.53407	-0.00554	2743	488.1314	-53.57612	-0.01468	2743	491.4159	-57.17445	-0.01701	2743	488.1125	-54.40183	-0.00645	2743	488.2607	-57.96394	-0.01199
2744	487.5609	-59.60996	-0.00559	2744	488.2916	-53.60747	-0.01474	2744	491.5902	-57.24552	-0.01709	2744	488.2563	-54.47392	-0.00637	2744	488.4396	-58.05037	-0.01193
2745	487.7052	-59.6831	-0.00571	2745	488.4487	-53.62904	-0.01469	2745	491.7657	-57.31219	-0.01703	2745	488.4652	-54.55291	-0.00638	2745	488.5892	-58.13119	-0.01194
2746	487.8757	-59.7575	-0.00575	2746	488.6184	-53.66206	-0.01467	2746	491.9032	-57.37866	-0.01714	2746	488.6129	-54.61951	-0.00655	2746	488.7536	-58.21795	-0.01202
2747	488.0494	-59.83741	-0.00574	2747	488.803	-53.68656	-0.01479	2747	492.083	-57.4526	-0.01736	2747	488.7786	-54.69508	-0.00664	2747	488.9249	-58.30516	-0.01205
2748	488.2311	-59.91014	-0.00572	2748	488.9557	-53.71198	-0.01486	2748	492.2551	-57.52028	-0.01747	2748	488.9315	-54.76599	-0.00659	2748	489.1075	-58.39462	-0.012
2749	488.3765	-59.98996	-0.00579	2749	489.1205	-53.73401	-0.01481	2749	492.4318	-57.58917	-0.01745	2749	489.1238	-54.84489	-0.00657	2749	489.2619	-58.47547	-0.01198
2750	488.5468	-60.06485	-0.00583	2750	489.2828	-53.76178	-0.01476	2750	492.5768	-57.655	-0.01745	2750	489.2887	-54.91624	-0.00672	2750	489.4208	-58.56299	-0.01211
2751	488.7154	-60.1497	-0.00576	2751	489.4724	-53.78152	-0.01485	2751	492.7471	-57.72835	-0.01763	2751	489.448	-54.99453	-0.00675	2751	489.6021	-58.64929	-0.01217
2752	488.9063	-60.22603	-0.00573	2752	489.6199	-53.80477	-0.01494	2752	492.9248	-57.79923	-0.01771	2752	489.6026	-55.06589	-0.00668	2752	489.778	-58.73587	-0.01214
2753	489.037	-60.30665	-0.00575	2753	489.7919	-53.8236	-0.01489	2753	493.1027	-57.86825	-0.01765	2753	489.7909	-55.14587	-0.0066	2753	489.9368	-58.8154	-0.01219
2754	489.2152	-60.38854	-0.00579	2754	489.9409	-53.84742	-0.01485	2754	493.247	-57.93332	-0.01763	2754	489.9657	-55.21532	-0.00669	2754	490.0936	-58.90138	-0.0121
2755	489.3797	-60.47387	-0.00574	2755	490.1403	-53.86692	-0.01494	2755	493.4134	-58.00404	-0.01777	2755	490.1141	-55.29066	-0.00675	2755	490.2707	-58.98533	-0.01225
2756	489.5708	-60.5581	-0.00569	2756	490.2878	-53.88786	-0.01509	2756	493.5996	-58.07151	-0.01785	2756	490.2774	-55.35921	-0.00665	2756	490.4415	-59.0673	-0.01218
2757	489.7106	-60.63899	-0.00577	2757	490.4556	-53.90843	-0.01509	2757	493.7632	-58.1397	-0.01779	2757	490.4571	-55.43834	-				

2819	500.0543	-65.70425	-0.00632	2819	500.8461	-56.57709	-0.01701	2819	504.1524	-62.24215	-0.01991	2819	500.8434	-60.0462	-0.00769	2819	500.979	-64.39179	-0.0128
2820	500.2257	-65.78195	-0.00643	2820	501.0017	-56.6389	-0.01685	2820	504.3142	-62.31007	-0.01982	2820	501.0159	-60.11315	-0.00764	2820	501.1247	-64.47716	-0.01281
2821	500.9379	-65.8574	-0.00641	2821	501.2001	-56.6991	-0.0168	2821	504.4634	-62.38601	-0.01986	2821	501.1565	-60.18613	-0.00773	2821	501.3269	-64.5628	-0.01289
2822	500.5873	-65.93246	-0.00632	2822	501.3412	-56.7586	-0.01692	2822	504.6163	-62.46077	-0.02004	2822	501.3343	-60.25799	-0.00776	2822	501.4817	-64.64941	-0.01292
2823	500.7277	-66.00322	-0.00634	2823	501.5187	-56.81976	-0.01699	2823	504.8212	-62.53268	-0.02012	2823	501.5112	-60.33102	-0.00769	2823	501.6513	-64.73135	-0.01284
2824	500.8959	-66.08142	-0.00641	2824	501.6688	-56.8815	-0.01691	2824	504.9827	-62.60098	-0.01999	2824	501.6813	-60.39694	-0.00762	2824	501.7977	-64.81786	-0.01283
2825	501.0646	-66.15973	-0.00639	2825	501.8733	-56.94568	-0.01695	2825	505.13	-62.67192	-0.01997	2825	501.8304	-60.46849	-0.00771	2825	501.9094	-64.90604	-0.01293
2826	501.249	-66.24159	-0.00632	2826	502.0139	-57.00025	-0.01712	2826	505.3327	-62.74236	-0.02011	2826	502.0084	-60.53855	-0.00778	2826	502.1528	-64.99422	-0.01298
2827	501.3995	-66.31621	-0.00629	2827	502.1819	-57.06226	-0.01724	2827	505.4897	-62.81119	-0.02019	2827	502.1786	-60.61166	-0.00778	2827	502.3255	-65.08213	-0.01296
2828	501.5591	-66.39654	-0.00637	2828	502.3379	-57.12194	-0.01719	2828	505.662	-62.87667	-0.02013	2828	502.3585	-60.67681	-0.00776	2828	502.4622	-65.16724	-0.01295
2829	501.7296	-66.4751	-0.00638	2829	502.5381	-57.18684	-0.01717	2829	505.8004	-62.94183	-0.02004	2829	502.4945	-60.74662	-0.00787	2829	502.6576	-65.26112	-0.01305
2830	501.9165	-66.55744	-0.00631	2830	502.6902	-57.24266	-0.01732	2830	505.9974	-63.01411	-0.02015	2830	502.6759	-60.82044	-0.00799	2830	502.8225	-65.34718	-0.01314
2831	502.0743	-66.63201	-0.00629	2831	502.8601	-57.30686	-0.01744	2831	506.1579	-63.08161	-0.02026	2831	502.8503	-60.89467	-0.00797	2831	502.9896	-65.43602	-0.01307
2832	502.2272	-66.71287	-0.00637	2832	503.0138	-57.36647	-0.01742	2832	506.3298	-63.14813	-0.02017	2832	503.0273	-60.96243	-0.00789	2832	503.1338	-65.52014	-0.01303
2833	502.4076	-66.79238	-0.00642	2833	503.2102	-57.43287	-0.0174	2833	506.4694	-63.21163	-0.02007	2833	503.1658	-61.03125	-0.0079	2833	503.2325	-65.61454	-0.01308
2834	502.5806	-66.87371	-0.00638	2834	503.3702	-57.48769	-0.01755	2834	506.6633	-63.28404	-0.02022	2834	503.3443	-61.10776	-0.00804	2834	503.4918	-65.70135	-0.01312
2835	502.7514	-66.94926	-0.00637	2835	503.5244	-57.55127	-0.01767	2835	506.8269	-63.34881	-0.0203	2835	503.5159	-61.18002	-0.00802	2835	503.6566	-65.79077	-0.01307
2836	502.8952	-67.02889	-0.00647	2836	503.6867	-57.60855	-0.01768	2836	506.9959	-63.41858	-0.02031	2836	503.6969	-61.25429	-0.00792	2836	503.811	-65.87747	-0.01299
2837	503.0695	-67.10908	-0.00652	2837	503.8783	-57.67425	-0.01763	2837	507.1461	-63.48172	-0.02028	2837	503.8396	-61.32426	-0.00796	2837	503.9847	-65.97135	-0.01306
2838	503.2438	-67.19054	-0.00648	2838	504.0465	-57.72894	-0.0177	2838	507.3277	-63.55651	-0.0204	2838	504.0075	-61.40026	-0.00807	2838	504.1672	-66.05878	-0.01312
2839	503.4179	-67.26685	-0.00645	2839	504.1958	-57.79168	-0.01784	2839	507.5037	-63.62373	-0.02054	2839	504.1834	-61.47771	-0.00811	2839	504.3423	-66.14873	-0.01313
2840	503.5562	-67.34393	-0.00651	2840	504.3636	-57.84887	-0.01782	2840	507.6707	-63.6971	-0.02052	2840	504.3655	-61.5544	-0.00803	2840	504.4809	-66.23376	-0.01305
2841	503.7343	-67.43034	-0.00657	2841	504.5382	-57.91551	-0.01775	2841	507.817	-63.76208	-0.02042	2841	504.5084	-61.62608	-0.00799	2841	504.6498	-66.32777	-0.01308
2842	503.9089	-67.51502	-0.00652	2842	504.7242	-57.97355	-0.01778	2842	507.9891	-63.83834	-0.02047	2842	504.6742	-61.70476	-0.00813	2842	504.8348	-66.41128	-0.01318
2843	504.0867	-67.59384	-0.00647	2843	504.8725	-58.03701	-0.0179	2843	508.174	-63.9097	-0.02058	2843	504.8569	-61.78219	-0.00819	2843	504.9902	-66.49957	-0.01321
2844	504.2245	-67.67332	-0.00649	2844	505.0412	-58.09668	-0.01791	2844	508.3294	-63.97793	-0.02059	2844	505.0294	-61.8612	-0.00812	2844	505.1538	-66.58395	-0.01313
2845	504.4034	-67.75628	-0.00658	2845	505.2148	-58.16354	-0.01784	2845	508.4908	-64.04346	-0.02049	2845	505.1847	-61.93188	-0.00807	2845	505.3118	-66.67581	-0.01314
2846	504.5738	-67.83937	-0.00654	2846	505.4038	-58.22226	-0.01784	2846	508.6538	-64.11787	-0.02054	2846	505.3447	-62.00888	-0.00819	2846	505.5081	-66.76174	-0.01323
2847	504.7562	-67.91888	-0.00645	2847	505.5389	-58.28468	-0.01802	2847	508.8442	-64.1882	-0.02068	2847	505.3247	-62.08384	-0.00828	2847	505.6625	-66.84772	-0.01325
2848	504.9233	-67.99876	-0.00647	2848	505.7166	-58.34756	-0.01808	2848	508.9995	-64.25777	-0.02073	2848	505.6993	-62.1634	-0.00823	2848	505.8277	-66.92973	-0.01318
2849	505.0623	-68.08554	-0.00652	2849	505.8764	-58.41192	-0.01806	2849	509.167	-64.32442	-0.02056	2849	505.8612	-62.23116	-0.00821	2849	505.9771	-67.01752	-0.01316
2850	505.2359	-68.17259	-0.00652	2850	506.0715	-58.47589	-0.01807	2850	509.3165	-64.39941	-0.02037	2850	506.0122	-62.30561	-0.00827	2850	506.1797	-67.10184	-0.01323
2851	505.419	-68.25887	-0.00644	2851	506.2136	-58.53963	-0.01822	2851	509.5186	-64.47082	-0.02031	2851	506.203	-62.37938	-0.00839	2851	506.3274	-67.1865	-0.01329
2852	505.5633	-68.34216	-0.00642	2852	506.3888	-58.60362	-0.01834	2852	509.6706	-64.53881	-0.02018	2852	506.37	-62.45152	-0.00834	2852	506.4999	-67.27057	-0.01326
2853	505.7318	-68.43152	-0.00652	2853	506.5447	-58.67061	-0.01829	2853	509.8358	-64.60636	-0.01999	2853	506.5355	-62.51961	-0.00827	2853	506.6468	-67.35597	-0.01322
2854	505.901	-68.51548	-0.00655	2854	506.7463	-58.73845	-0.01827	2854	509.9845	-64.67683	-0.01979	2854	506.6804	-62.59069	-0.00833	2854	506.8447	-67.44244	-0.01331
2855	506.0633	-68.60325	-0.00649	2855	506.8868	-58.80071	-0.01842	2855	510.1864	-64.74451	-0.01991	2855	506.8713	-62.66131	-0.00845	2855	506.9972	-67.52508	-0.01339
2856	506.2345	-68.68179	-0.00648	2856	507.0619	-58.87006	-0.01851	2856	510.3349	-64.81299	-0.02009	2856	507.0372	-62.7324	-0.00845	2856	507.1666	-67.60569	-0.01336
2857	506.3951	-68.76623	-0.00658	2857	507.2224	-58.93681	-0.01846	2857	510.5088	-64.87798	-0.02016	2857	507.2081	-62.79881	-0.0084	2857	507.3078	-67.68639	-0.01328
2858	506.5729	-68.84949	-0.00661	2858	507.4158	-59.00597	-0.01841	2858	510.6459	-64.9456	-0.02024	2858	507.3472	-62.86612	-0.00841	2858	507.5159	-67.77207	-0.01335
2859	506.7544	-68.93161	-0.00655	2859	507.5664	-59.06862	-0.0185	2859	510.8496	-65.0162	-0.02052	2859	507.5376	-62.93698	-0.00856	2859	507.6658	-67.85156	-0.01342
2860	506.908	-69.00527	-0.0065	2860	507.7338	-59.13804	-0.01863	2860	511.0078	-65.08289	-0.02077	2860	507.7085	-63.0062	-0.00859	2860	507.8352	-67.93548	-0.01338
2861	507.0619	-69.08475	-0.00656	2861	507.8899	-59.20458	-0.01864	2861	511.173	-65.15172	-0.02082	2861	507.8807	-63.07378	-0.00849	2861	507.9795	-68.01882	-0.01333
2862	507.2416	-69.15974	-0.00661	2862	508.088	-59.27264	-0.01859	2862	511.3195	-65.21805	-0.02086	2862	508.0208	-63.13969	-0.00847	2862	508.1762	-68.10809	-0.01333
2863	507.4097	-69.23531	-0.00656	2863	508.2426	-59.33416	-0.01868	2863	511.5174	-65.29059	-0.021	2863	508.2094	-63.21449	-0.00856	2863	508.3349	-68.19167	-0.01342
2864	507.5794	-69.30569	-0.0065	2864	508.3964	-59.40381	-0.01886	2864	511.6773	-65.363	-0.02118	2864	508.3772	-63.28213	-0.00859	2864	508.5053	-68.2809	-0.0134
2865	507.7284	-69.37373	-0.00656	2865	508.5629	-59.46879	-0.01889	2865	511.8446	-65.4365	-0.02126	2865	508.5543	-63.35348	-0.00852	2865	508.6516	-68.36279	-0.01333
2866	507.9034	-69.45191	-0.00663	2866	508.7529	-59.53857	-0.01884	2866	511.994	-65.5023	-0.0212	2866	508.7004	-63.42026	-0.00847	2866	508.8376	-68.45568	-0.01338
2867	508.0793	-69.52763	-0.00658	2867	508.9155	-59.60154	-0.01888	2867	512.1757	-65.57683	-0.02132	2867	508.8737	-63.49814	-0.00859	2867	508.9302	-68.54007	-0.01348
2868	508.2498	-69.59846	-0.00649	2868	509.0702	-59.67276	-0.01903	2868	512.3518	-65.64517	-0.0215	2868	509.052	-63.5661	-0.00865	2868	509.1682	-68.62836	-0.01345
2869	508.3896	-69.67632	-0.00651	2869	509.235	-59.74034	-0.01903	2869	512.5109	-65.71699	-0.02157	2869	509.2253	-63.63869	-0.00858	2869	509.3228	-68.71034	-0.0135
2870	508.5706	-69.75568	-0.00657	2870	509.4149	-59.81399	-0.01896	2870	512.6636	-65.77998	-0.02158	2870	509.3736	-63					

2932	518.923	-74.25827	-0.00718	2932	519.812	-64.16995	-0.02107	2932	523.0337	-70.02901	-0.02335	2932	519.7535	-68.19958	-0.00969	2932	519.8712	-73.84119	-0.01411
2933	519.0905	-74.33418	-0.00721	2933	519.9835	-64.23453	-0.02103	2933	523.2066	-70.10448	-0.02333	2933	519.9388	-68.28386	-0.00965	2933	520.0403	-73.92101	-0.01418
2934	519.2665	-74.40685	-0.00714	2934	520.1261	-64.30333	-0.02109	2934	523.3905	-70.11704	-0.02348	2934	520.1179	-68.35699	-0.00973	2934	520.1974	-74.00657	-0.01426
2935	519.4028	-74.48183	-0.00714	2935	520.3009	-64.37171	-0.02121	2935	523.5401	-70.24394	-0.02359	2935	520.2706	-68.43602	-0.0098	2935	520.3585	-74.08476	-0.01423
2936	519.5588	-74.56275	-0.00722	2936	520.4756	-64.44006	-0.02119	2936	523.7072	-70.30798	-0.02366	2936	520.4288	-68.50581	-0.00975	2936	520.5363	-74.17269	-0.01415
2937	519.7635	-74.63779	-0.00723	2937	520.6531	-64.50428	-0.02114	2937	523.8662	-70.38012	-0.02351	2937	520.603	-68.58489	-0.0097	2937	520.7191	-74.25178	-0.0142
2938	519.9358	-74.71462	-0.00718	2938	520.796	-64.56982	-0.02123	2938	524.0683	-70.44849	-0.02358	2938	520.7877	-68.6536	-0.00976	2938	520.8593	-74.33504	-0.01426
2939	520.0783	-74.78692	-0.00714	2939	520.9696	-64.63791	-0.02141	2939	524.2054	-70.51427	-0.02373	2939	520.933	-68.72669	-0.00988	2939	521.0301	-74.41396	-0.01427
2940	520.2508	-74.86755	-0.00723	2940	521.1461	-64.70753	-0.02142	2940	524.3767	-70.57861	-0.0237	2940	521.0992	-68.79334	-0.00983	2940	521.1956	-74.49873	-0.01422
2941	520.4251	-74.93982	-0.00725	2941	521.3287	-64.77367	-0.02131	2941	524.5338	-70.64689	-0.02361	2941	521.2639	-68.86996	-0.00979	2941	521.3831	-74.57725	-0.01424
2942	520.6046	-75.01706	-0.00718	2942	521.463	-64.84	-0.02135	2942	524.735	-70.71107	-0.02365	2942	521.4587	-68.94025	-0.0099	2942	521.5247	-74.65946	-0.01433
2943	520.754	-75.08685	-0.00713	2943	521.6411	-64.91426	-0.0215	2943	524.8775	-70.77557	-0.0238	2943	521.6013	-69.01404	-0.01002	2943	521.7015	-74.73764	-0.01435
2944	520.9133	-75.16407	-0.00721	2944	521.8134	-64.98704	-0.02153	2944	525.0545	-70.84036	-0.02384	2944	521.7719	-69.08312	-0.01	2944	521.8611	-74.8221	-0.01426
2945	521.1001	-75.23885	-0.00725	2945	521.9936	-65.06226	-0.0214	2945	525.1984	-70.90482	-0.02375	2945	521.9263	-69.16173	-0.0099	2945	522.0571	-74.90301	-0.01426
2946	521.2697	-75.31413	-0.0072	2946	522.1395	-65.13326	-0.02143	2946	525.4093	-70.97156	-0.02376	2946	522.1324	-69.23633	-0.00996	2946	522.1946	-74.98568	-0.01431
2947	521.4183	-75.38376	-0.00715	2947	522.309	-65.20937	-0.02158	2947	525.5553	-71.03162	-0.02397	2947	522.269	-69.31047	-0.01008	2947	522.3721	-75.06825	-0.01431
2948	521.5739	-75.46085	-0.00721	2948	522.4807	-65.28601	-0.02165	2948	525.7243	-71.09834	-0.02402	2948	522.4422	-69.38268	-0.01003	2948	522.5273	-75.15389	-0.01422
2949	521.7686	-75.53698	-0.00727	2949	522.6649	-65.36459	-0.02157	2949	525.8738	-71.16015	-0.02392	2949	522.5938	-69.45913	-0.00987	2949	522.7284	-75.23639	-0.01421
2950	521.9331	-75.6144	-0.00722	2950	522.8134	-65.4341	-0.02152	2950	526.0754	-71.22508	-0.0239	2950	522.7935	-69.53407	-0.00985	2950	522.8654	-75.31641	-0.01427
2951	522.0945	-75.68424	-0.00713	2951	522.9753	-65.51106	-0.02167	2951	526.2257	-71.28202	-0.02408	2951	522.9356	-69.60866	-0.00997	2951	523.0396	-75.4005	-0.01429
2952	522.2435	-75.75859	-0.00719	2952	523.1597	-65.58809	-0.02174	2952	526.3945	-71.34467	-0.02413	2952	523.1096	-69.68297	-0.01	2952	523.195	-75.47985	-0.01426
2953	522.4348	-75.83317	-0.00725	2953	523.3383	-65.66208	-0.02166	2953	526.5491	-71.40222	-0.02403	2953	523.2505	-69.75682	-0.0099	2953	523.3933	-75.56184	-0.01427
2954	522.6027	-75.90743	-0.00722	2954	523.4893	-65.72904	-0.02158	2954	526.7367	-71.46802	-0.02397	2954	523.4606	-69.83578	-0.00991	2954	523.5443	-75.63687	-0.01435
2955	522.77	-75.9746	-0.00715	2955	523.6496	-65.80253	-0.0217	2955	526.9209	-71.52327	-0.02412	2955	523.6068	-69.90443	-0.01003	2955	523.7087	-75.71761	-0.01444
2956	522.9133	-76.04969	-0.00716	2956	523.8279	-65.87232	-0.0218	2956	527.0558	-71.58417	-0.0242	2956	523.772	-69.98318	-0.01012	2956	523.8665	-75.79608	-0.01452
2957	523.1039	-76.12395	-0.00724	2957	524.0027	-65.94423	-0.02178	2957	527.2164	-71.64121	-0.02414	2957	523.9255	-70.05771	-0.01004	2957	524.064	-75.8757	-0.01441
2958	523.2688	-76.19801	-0.0072	2958	524.1671	-66.01023	-0.02173	2958	527.3796	-71.70831	-0.02401	2958	524.124	-70.13662	-0.01	2958	524.2122	-75.94756	-0.01447
2959	523.4377	-76.27008	-0.00713	2959	524.313	-66.08082	-0.02187	2959	527.5761	-71.7654	-0.02415	2959	524.2799	-70.2074	-0.01011	2959	524.3768	-76.02795	-0.01454
2960	523.5827	-76.34563	-0.00712	2960	524.4966	-66.15523	-0.02205	2960	527.7201	-71.8305	-0.02427	2960	524.4432	-70.28529	-0.01017	2960	524.5364	-76.10403	-0.01452
2961	523.7699	-76.42008	-0.00722	2961	524.6741	-66.22943	-0.02206	2961	527.885	-71.89217	-0.02421	2961	524.6008	-70.35735	-0.01007	2961	524.7199	-76.1837	-0.01445
2962	523.9367	-76.50108	-0.00724	2962	524.8375	-66.29977	-0.02201	2962	528.0759	-71.96344	-0.02411	2962	524.7808	-70.43707	-0.01	2962	524.8886	-76.25512	-0.01445
2963	524.1141	-76.57694	-0.00719	2963	524.9834	-66.37756	-0.0221	2963	528.2426	-72.03001	-0.02416	2963	524.9535	-70.50596	-0.01006	2963	525.0404	-76.33417	-0.01452
2964	524.2543	-76.64812	-0.00722	2964	525.1692	-66.4548	-0.02222	2964	528.39	-72.10217	-0.02424	2964	525.1097	-70.57934	-0.01015	2964	525.2039	-76.4111	-0.01452
2965	524.4404	-76.72681	-0.00728	2965	525.3357	-66.53239	-0.02223	2965	528.5543	-72.16887	-0.02421	2965	525.2664	-70.64708	-0.0101	2965	525.392	-76.4939	-0.01445
2966	524.6144	-76.79612	-0.00732	2966	525.5131	-66.60572	-0.02213	2966	528.7184	-72.24448	-0.02408	2966	525.454	-70.72477	-0.01003	2966	525.564	-76.56641	-0.01446
2967	524.7866	-76.86459	-0.00727	2967	525.6517	-66.68212	-0.02213	2967	528.9166	-72.31389	-0.02416	2967	525.6252	-70.78883	-0.01012	2967	525.7073	-76.64066	-0.01452
2968	524.9323	-76.92677	-0.00722	2968	525.8327	-66.76336	-0.02225	2968	529.0491	-72.38743	-0.02438	2968	525.777	-70.86039	-0.01029	2968	525.881	-76.7209	-0.01457
2969	525.1089	-76.99799	-0.00728	2969	526.0042	-66.8398	-0.02226	2969	529.2261	-72.45727	-0.02449	2969	525.9461	-70.9285	-0.01032	2969	526.0605	-76.80225	-0.01451
2970	525.2839	-77.06091	-0.00731	2970	526.182	-66.91585	-0.02216	2970	529.3838	-72.53384	-0.0245	2970	526.1192	-71.00216	-0.01025	2970	526.2363	-76.87273	-0.0145
2971	525.4544	-77.1242	-0.00723	2971	526.3211	-66.99004	-0.02216	2971	529.5826	-72.60187	-0.02464	2971	526.3005	-71.06804	-0.01031	2971	526.3787	-76.94795	-0.01458
2972	525.6057	-77.18355	-0.0072	2972	526.4996	-67.07169	-0.02231	2972	529.7902	-72.6712	-0.02493	2972	526.4463	-71.13479	-0.01045	2972	526.5513	-77.01884	-0.01465
2973	525.7684	-77.25322	-0.00725	2973	526.6751	-67.14799	-0.02238	2973	529.9201	-72.73796	-0.02507	2973	526.6114	-71.19772	-0.01046	2973	526.72	-77.09823	-0.01463
2974	525.9538	-77.31857	-0.00729	2974	526.8473	-67.22523	-0.0223	2974	530.0443	-72.80273	-0.02498	2974	526.7791	-71.27053	-0.01036	2974	526.9118	-77.16879	-0.01462
2975	526.1248	-77.38631	-0.00724	2975	526.9938	-67.29894	-0.02238	2975	530.2542	-72.86982	-0.02499	2975	526.9736	-71.34421	-0.01034	2975	527.0482	-77.24039	-0.01472
2976	526.2739	-77.45032	-0.00718	2976	527.166	-67.38108	-0.02246	2976	530.3937	-72.92557	-0.02517	2976	527.1075	-71.39867	-0.01045	2976	527.2027	-77.31255	-0.01479
2977	526.4345	-77.52379	-0.00727	2977	527.3472	-67.45901	-0.02252	2977	530.562	-72.98693	-0.02524	2977	527.2836	-71.46382	-0.01051	2977	527.3871	-77.3895	-0.01476
2978	526.6273	-77.59495	-0.00735	2978	527.5222	-67.53743	-0.02245	2978	530.7147	-73.04494	-0.02512	2978	527.4445	-71.536	-0.01042	2978	527.5786	-77.46317	-0.0147
2979	526.7932	-77.66847	-0.00733	2979	527.6662	-67.61123	-0.02239	2979	530.915	-73.10599	-0.02520	2979	527.639	-71.6031	-0.01039	2979	527.7159	-77.53407	-0.01475
2980	526.9517	-77.73551	-0.00728	2980	527.83	-67.69273	-0.02249	2980	531.0619	-73.16916	-0.02517	2980	527.7792	-71.66829	-0.01054	2980	527.8933	-77.61234	-0.01481
2981	527.1039	-77.80948	-0.00734	2981	528.0177	-67.77279	-0.02261	2981	531.2266	-73.21762	-0.02528	2981	527.9581	-71.7396	-0.0106	2981	528.0529	-77.68761	-0.01476
2982	527.2902	-77.88425	-0.00745	2982	528.1856	-67.85004	-0.02256	2982	531.384	-73.27924	-0.02515	2982	528.111	-71.8103	-0.0105	2982	528.247	-77.76714	-0.01482
2983	527.4535	-77.95887	-0.00745	2983	528.34	-67.92472	-0.02248	2983	531.5768	-73.3345	-0.02506	2983	528.3086	-71.88186	-0.0104	2983	528.3883		

3045	537.7986	-82.52724	-0.00812	3045	538.6974	-72.53071	-0.02437	3045	541.9176	-76.98292	-0.02704	3045	538.6516	-76.34744	-0.01175	3045	538.7327	-82.95097	-0.01544
3046	537.967	-82.64638	-0.00807	3046	538.8463	-72.60539	-0.02441	3046	542.0828	-77.02977	-0.02705	3046	538.7965	-76.41067	-0.0117	3046	538.8984	-83.04023	-0.01551
3047	538.1152	-82.72079	-0.00805	3047	539.0483	-72.68121	-0.0245	3047	542.2277	-77.08508	-0.02726	3047	538.965	-76.48104	-0.01179	3047	539.0828	-83.127	-0.01555
3048	538.308	-82.79842	-0.00816	3048	539.2033	-72.75437	-0.02459	3048	542.4013	-77.13961	-0.02734	3048	539.1437	-76.54816	-0.01183	3048	539.2528	-83.21144	-0.0155
3049	538.4684	-82.87425	-0.00818	3049	539.3674	-72.82516	-0.02448	3049	542.5764	-77.19444	-0.02728	3049	539.3189	-76.61467	-0.01173	3049	539.4052	-83.29332	-0.01548
3050	538.6386	-82.94496	-0.00813	3050	539.5183	-72.8978	-0.02446	3050	542.7554	-77.24281	-0.02726	3050	539.4686	-76.67749	-0.01168	3050	539.5694	-83.37656	-0.01557
3051	538.7775	-83.0157	-0.00811	3051	539.7213	-72.97221	-0.02459	3051	542.8995	-77.29862	-0.0274	3051	539.6289	-76.74622	-0.01174	3051	539.7462	-83.45962	-0.01564
3052	538.9786	-83.09453	-0.0082	3052	539.8732	-73.0434	-0.02471	3052	543.07	-77.34905	-0.02748	3052	539.8134	-76.81413	-0.01183	3052	539.923	-83.5428	-0.01558
3053	539.1387	-83.16601	-0.00826	3053	540.0456	-73.11105	-0.02463	3053	543.2412	-77.40736	-0.02735	3053	539.9859	-76.88266	-0.01181	3053	540.081	-83.61633	-0.01555
3054	539.3047	-83.24162	-0.00822	3054	540.1865	-73.17667	-0.02461	3054	543.431	-77.45937	-0.02729	3054	540.1415	-76.94389	-0.01171	3054	540.2313	-83.69742	-0.01563
3055	539.4525	-83.31316	-0.00819	3055	540.3831	-73.24886	-0.02473	3055	543.5632	-77.51297	-0.02744	3055	540.2994	-77.01212	-0.0118	3055	540.414	-83.77663	-0.01568
3056	539.6372	-83.39519	-0.00827	3056	540.544	-73.31413	-0.02482	3056	543.7445	-77.56866	-0.02758	3056	540.486	-77.07944	-0.01191	3056	540.584	-83.8586	-0.01562
3057	539.8063	-83.46967	-0.00834	3057	540.7175	-73.38135	-0.0248	3057	543.9123	-77.62534	-0.02756	3057	540.6517	-77.14838	-0.01189	3057	540.7466	-83.93279	-0.01553
3058	539.9727	-83.54886	-0.0083	3058	540.8575	-73.44185	-0.02472	3058	544.1013	-77.67866	-0.0275	3058	540.8146	-77.21265	-0.01185	3058	540.8991	-84.01492	-0.01555
3059	540.1263	-83.62096	-0.00825	3059	541.0547	-73.51425	-0.02479	3059	544.2379	-77.72842	-0.02765	3059	540.9625	-77.2804	-0.01188	3059	541.082	-84.09757	-0.01562
3060	540.2965	-83.70303	-0.00829	3060	541.2171	-73.57558	-0.02491	3060	544.4155	-77.78359	-0.02779	3060	541.1497	-77.35046	-0.01202	3060	541.2471	-84.1824	-0.0156
3061	540.4794	-83.77747	-0.00838	3061	541.3872	-73.64281	-0.02486	3061	544.5768	-77.83833	-0.02778	3061	541.3196	-77.42172	-0.01203	3061	541.4216	-84.26189	-0.01555
3062	540.6395	-83.85294	-0.00836	3062	541.5377	-73.70234	-0.02476	3062	544.7478	-77.89352	-0.02775	3062	541.4852	-77.4855	-0.01193	3062	541.564	-84.34562	-0.01559
3063	540.7971	-83.92388	-0.00831	3063	541.7172	-73.77035	-0.02482	3063	544.9105	-77.94181	-0.02782	3063	541.6246	-77.553	-0.01194	3063	541.7453	-84.4306	-0.0157
3064	540.9658	-84.0025	-0.00833	3064	541.8947	-73.82845	-0.02494	3064	545.0772	-77.99886	-0.028	3064	541.8165	-77.62631	-0.01203	3064	541.9172	-84.51764	-0.01575
3065	541.1528	-84.07169	-0.0084	3065	542.0593	-73.89085	-0.02495	3065	545.247	-78.05287	-0.02801	3065	541.9803	-77.6967	-0.01206	3065	542.0193	-84.59652	-0.01571
3066	541.3105	-84.14358	-0.0084	3066	542.2114	-73.94629	-0.02487	3066	545.4384	-78.11047	-0.02795	3066	542.1544	-77.76546	-0.01193	3066	542.2286	-84.67793	-0.01574
3067	541.4757	-84.21119	-0.00835	3067	542.3845	-74.01077	-0.02491	3067	545.6283	-78.16018	-0.02796	3067	542.2997	-77.83556	-0.01194	3067	542.4143	-84.76339	-0.01582
3068	541.6267	-84.28376	-0.00835	3068	542.5706	-74.06621	-0.025	3068	545.7524	-78.21873	-0.02807	3068	542.4851	-77.90936	-0.01206	3068	542.58	-84.84098	-0.01587
3069	541.8259	-84.35339	-0.00844	3069	542.7266	-74.12553	-0.02504	3069	545.9226	-78.27157	-0.02812	3069	542.6547	-77.97954	-0.01209	3069	542.7581	-84.92165	-0.01581
3070	541.983	-84.42284	-0.00846	3070	542.887	-74.1974	-0.02496	3070	546.1056	-78.32864	-0.02796	3070	542.8251	-78.04943	-0.01202	3070	542.9031	-84.99714	-0.01578
3071	542.1441	-84.48731	-0.00843	3071	543.0512	-74.24149	-0.02497	3071	546.265	-78.37652	-0.02793	3071	542.9672	-78.11513	-0.01197	3071	543.0763	-85.08084	-0.01586
3072	542.2913	-84.55904	-0.00841	3072	543.2425	-74.29568	-0.02509	3072	546.4191	-78.43031	-0.02804	3072	543.1491	-78.19016	-0.01209	3072	543.2523	-85.15668	-0.01589
3073	542.499	-84.62913	-0.0085	3073	543.3977	-74.35272	-0.02515	3073	546.5892	-78.48155	-0.02809	3073	543.3234	-78.25616	-0.01217	3073	543.4228	-85.23801	-0.01583
3074	542.6509	-84.69788	-0.00854	3074	543.5689	-74.40501	-0.0251	3074	546.774	-78.53434	-0.02803	3074	543.4902	-78.32673	-0.01213	3074	543.5668	-85.31284	-0.01578
3075	542.8239	-84.76648	-0.00849	3075	543.7174	-74.46357	-0.02508	3075	546.9401	-78.59093	-0.028	3075	543.6375	-78.39069	-0.01211	3075	543.7361	-85.39998	-0.01586
3076	542.9704	-84.83152	-0.00849	3076	543.9196	-74.51904	-0.0252	3076	547.0864	-78.63527	-0.02818	3076	543.8098	-78.46504	-0.0122	3076	543.9229	-85.47947	-0.01591
3077	543.1682	-84.90184	-0.00858	3077	544.0697	-74.57467	-0.0253	3077	547.2653	-78.685	-0.0283	3077	543.9932	-78.5335	-0.01231	3077	544.089	-85.56042	-0.01586
3078	543.3265	-84.97106	-0.00862	3078	544.2391	-74.62833	-0.02522	3078	547.4366	-78.73708	-0.0282	3078	544.1594	-78.60568	-0.01229	3078	544.2423	-85.63629	-0.0158
3079	543.5	-85.03664	-0.00857	3079	544.3865	-74.68787	-0.02517	3079	547.6124	-78.78329	-0.02814	3079	544.3163	-78.67266	-0.01219	3079	544.4056	-85.71589	-0.01587
3080	543.634	-85.10138	-0.00855	3080	544.5911	-74.74702	-0.02529	3080	547.7641	-78.83524	-0.02825	3080	544.4769	-78.74921	-0.01225	3080	544.5897	-85.79868	-0.01595
3081	543.8313	-85.17374	-0.00865	3081	544.7384	-74.80581	-0.02535	3081	547.9347	-78.88599	-0.02837	3081	544.6658	-78.82181	-0.01237	3081	544.7587	-85.87712	-0.01592
3082	543.9917	-85.24101	-0.00874	3082	544.9111	-74.8624	-0.02528	3082	548.1085	-78.94041	-0.02827	3082	544.8267	-78.8949	-0.01238	3082	544.9163	-85.95206	-0.01588
3083	544.1618	-85.30994	-0.0087	3083	545.0538	-74.92223	-0.02523	3083	548.2923	-78.98724	-0.02818	3083	544.9841	-78.9622	-0.01233	3083	545.0686	-86.02795	-0.01595
3084	544.3068	-85.37741	-0.00867	3084	545.2535	-74.98738	-0.02532	3084	548.4233	-79.03685	-0.02826	3084	545.1438	-79.03813	-0.01236	3084	545.2624	-86.10606	-0.01604
3085	544.4623	-85.45345	-0.00877	3085	545.4092	-75.04846	-0.02541	3085	548.6006	-79.09159	-0.02837	3085	545.3376	-79.10664	-0.01251	3085	545.4282	-86.18314	-0.01604
3086	544.6269	-85.52659	-0.00883	3086	545.5814	-75.11262	-0.02536	3086	548.7753	-79.14668	-0.02835	3086	545.4924	-79.17645	-0.01257	3086	545.5867	-86.25459	-0.01596
3087	544.8295	-85.60408	-0.0088	3087	545.7208	-75.17523	-0.02528	3087	548.957	-79.20327	-0.02822	3087	545.6583	-79.24164	-0.0125	3087	545.7383	-86.33044	-0.01599
3088	544.978	-85.67655	-0.00875	3088	545.9221	-75.2507	-0.02535	3088	549.0949	-79.25681	-0.02829	3088	545.8048	-79.30886	-0.01247	3088	545.9328	-86.40647	-0.01608
3089	545.1553	-85.7615	-0.00877	3089	546.0808	-75.31638	-0.02547	3089	549.273	-79.31815	-0.02844	3089	546.004	-79.37849	-0.01259	3089	546.0966	-86.48261	-0.0161
3090	545.3328	-85.83978	-0.00883	3090	546.2461	-75.38899	-0.02545	3090	549.4355	-79.37805	-0.02848	3090	546.1644	-79.44476	-0.01263	3090	546.2648	-86.55408	-0.01605
3091	545.4946	-85.92237	-0.00882	3091	546.4011	-75.45856	-0.0254	3091	549.6277	-79.44232	-0.02843	3091	546.3323	-79.50787	-0.01252	3091	546.4091	-86.62687	-0.01607
3092	545.6489	-86.00003	-0.00875	3092	546.5823	-75.53462	-0.02541	3092	549.7739	-79.49911	-0.02847	3092	546.48	-79.5747	-0.01251	3092	546.6021	-86.7053	-0.01616
3093	545.8131	-86.08798	-0.00876	3093	546.7534	-75.6064	-0.0255	3093	549.9369	-79.56211	-0.02865	3093	546.6815	-79.64284	-0.01262	3093	546.7648	-86.78381	-0.0162
3094	546.0023	-86.16959	-0.00882	3094	546.9155	-75.67805	-0.02554	3094	550.1096	-79.62521	-0.02866	3094	546.8328	-79.70742	-0.01271	3094	546.9384	-86.85873	-0.01617
3095	546.1589	-86.25572	-0.00884	3095	547.0678	-75.74449	-0.02543	3095	550.2919	-79.68751	-0.02856	3095	547.0035	-79.77119	-0.01263	3095	547.0871	-86.93471	-0.01615
3096	546.3239	-86.33576	-0.00879	3096	547.2461	-75.81972	-0.02544	3096	550.443	-79.74215	-0.02854	3096	547.1426	-79.8357	-0.01259	3096	5		

3158	556.6713	-91.18224	-0.00961	3158	557.6241	-79.74782	-0.02651	3158	560.8181	-83.07649	-0.03025	3158	557.5101	-84.12823	-0.01397	3158	557.6488	-91.96253	-0.01709
3159	556.824	-91.26404	-0.00958	3159	557.8077	-79.81293	-0.02658	3159	560.9661	-83.1253	-0.03036	3159	557.7168	-84.19597	-0.01398	3159	557.8099	-92.04394	-0.01716
3160	557.0305	-91.34327	-0.00966	3160	557.9525	-79.88394	-0.02669	3160	561.1545	-83.17679	-0.03051	3160	557.8611	-84.25371	-0.01409	3160	557.9078	-92.12978	-0.01714
3161	557.174	-91.42139	-0.00974	3161	558.1256	-79.95049	-0.02665	3161	561.3267	-83.22943	-0.03052	3161	558.0297	-84.32048	-0.01415	3161	558.1216	-92.20294	-0.01707
3162	557.3478	-91.49685	-0.00971	3162	558.2863	-80.02463	-0.02652	3162	561.4942	-83.27216	-0.03039	3162	558.1841	-84.38099	-0.01405	3162	558.3112	-92.30233	-0.01708
3163	557.4929	-91.57629	-0.00968	3163	558.4819	-80.09361	-0.02652	3163	561.6371	-83.31874	-0.03043	3163	558.376	-84.44865	-0.01401	3163	558.4809	-92.38568	-0.01714
3164	557.6945	-91.65301	-0.00974	3164	558.6218	-80.16308	-0.02661	3164	561.8288	-83.36829	-0.03061	3164	558.5385	-84.50673	-0.01412	3164	558.6354	-92.47303	-0.01719
3165	557.8458	-91.72579	-0.00982	3165	558.7951	-80.22899	-0.02659	3165	561.9954	-83.41497	-0.03062	3165	558.7011	-84.57147	-0.01421	3165	558.7905	-92.55559	-0.01715
3166	558.02	-91.80102	-0.00981	3166	558.9513	-80.30055	-0.02652	3166	562.1721	-83.4586	-0.03046	3166	558.8513	-84.62904	-0.01416	3166	558.9754	-92.64796	-0.01716
3167	558.1573	-91.86996	-0.00977	3167	559.1541	-80.36245	-0.02652	3167	562.3172	-83.50066	-0.03046	3167	559.0452	-84.69601	-0.01412	3167	559.1508	-92.7317	-0.01726
3168	558.3647	-91.94724	-0.00982	3168	559.2896	-80.42396	-0.02662	3168	562.4959	-83.54885	-0.03061	3168	559.2133	-84.75056	-0.01421	3168	559.3061	-92.81829	-0.01731
3169	558.52	-92.01414	-0.0099	3169	559.4699	-80.48576	-0.02665	3169	562.6685	-83.59392	-0.03069	3169	559.3596	-84.81448	-0.01432	3169	559.4694	-92.89768	-0.01725
3170	558.686	-92.08596	-0.00992	3170	559.6199	-80.54624	-0.02658	3170	562.846	-83.63751	-0.03056	3170	559.5269	-84.87154	-0.0143	3170	559.6336	-92.98543	-0.01726
3171	558.8344	-92.15236	-0.00987	3171	559.8259	-80.60818	-0.02656	3171	562.9855	-83.67892	-0.0305	3171	559.7092	-84.93684	-0.01423	3171	559.8234	-93.06404	-0.01732
3172	559.0278	-92.22753	-0.00992	3172	559.9692	-80.66503	-0.02668	3172	563.1646	-83.72975	-0.03062	3172	559.8857	-84.99432	-0.01432	3172	559.9738	-93.14752	-0.01739
3173	559.1924	-92.29506	-0.00998	3173	560.1395	-80.72409	-0.02671	3173	563.3448	-83.77508	-0.03069	3173	560.0327	-85.05501	-0.01443	3173	560.1375	-93.22533	-0.01735
3174	559.3546	-92.36701	-0.01	3174	560.2924	-80.78065	-0.02666	3174	563.5128	-83.8222	-0.03053	3174	560.202	-85.11228	-0.01444	3174	560.2983	-93.30791	-0.0173
3175	559.5078	-92.43213	-0.00993	3175	560.4947	-80.84193	-0.02667	3175	563.6599	-83.86457	-0.03044	3175	560.3729	-85.17573	-0.01434	3175	560.4932	-93.38742	-0.01738
3176	559.6846	-92.50856	-0.00992	3176	560.6422	-80.89563	-0.02676	3176	563.8277	-83.91516	-0.03055	3176	560.5635	-85.2351	-0.01438	3176	560.6353	-93.46774	-0.01745
3177	559.8635	-92.57762	-0.01	3177	560.8082	-80.9559	-0.02683	3177	564.0109	-83.96549	-0.03067	3177	560.7037	-85.29271	-0.01452	3177	560.8085	-93.54552	-0.0174
3178	560.0184	-92.65118	-0.01002	3178	560.9664	-81.01029	-0.02675	3178	564.1843	-84.01443	-0.03057	3178	560.8766	-85.35044	-0.01458	3178	560.9614	-93.63007	-0.01736
3179	560.1738	-92.71807	-0.00999	3179	561.1549	-81.07116	-0.02668	3179	564.3362	-84.0593	-0.03051	3179	561.0419	-85.41447	-0.01448	3179	561.1611	-93.70862	-0.01741
3180	560.3457	-92.79008	-0.00998	3180	561.3146	-81.12492	-0.02679	3180	564.4955	-84.11225	-0.03065	3180	561.2366	-85.47101	-0.01446	3180	561.3074	-93.78934	-0.01749
3181	560.5288	-92.87129	-0.01008	3181	561.474	-81.18767	-0.02689	3181	564.6829	-84.16457	-0.0308	3181	561.3705	-85.52724	-0.01446	3181	561.4745	-93.86827	-0.01748
3182	560.6802	-92.95046	-0.01014	3182	561.6341	-81.24468	-0.02684	3182	564.851	-84.21628	-0.03078	3182	561.552	-85.58554	-0.01464	3182	561.6293	-93.9524	-0.01742
3183	560.8477	-93.02436	-0.01009	3183	561.8244	-81.30922	-0.02676	3183	565.0066	-84.26656	-0.03068	3183	561.7032	-85.64735	-0.01454	3183	561.8323	-94.03725	-0.01747
3184	561.0078	-93.10487	-0.01005	3184	561.9974	-81.36313	-0.02688	3184	565.1624	-84.32269	-0.0308	3184	561.9025	-85.70885	-0.01452	3184	561.9757	-94.11485	-0.01757
3185	561.2061	-93.18152	-0.01014	3185	562.1435	-81.42638	-0.027	3185	565.351	-84.37892	-0.03091	3185	562.0425	-85.76659	-0.01463	3185	562.1491	-94.19894	-0.01758
3186	561.3544	-93.25854	-0.01022	3186	562.3108	-81.48124	-0.02695	3186	565.5146	-84.43757	-0.03088	3186	562.2158	-85.83166	-0.01472	3186	562.2939	-94.27914	-0.01752
3187	561.5186	-93.33208	-0.01018	3187	562.4923	-81.54593	-0.02688	3187	565.6826	-84.49089	-0.03076	3187	562.3778	-85.89394	-0.01467	3187	562.4924	-94.36693	-0.01757
3188	561.6716	-93.41353	-0.01017	3188	562.6674	-81.60061	-0.02694	3188	565.8294	-84.54489	-0.0308	3188	562.5728	-85.95993	-0.01463	3188	562.6456	-94.46093	-0.01765
3189	561.8732	-93.48921	-0.01025	3189	562.8159	-81.6608	-0.02706	3189	566.0206	-84.60413	-0.03095	3189	562.7167	-86.01796	-0.01474	3189	562.8142	-94.53509	-0.0177
3190	562.015	-93.56696	-0.01035	3190	562.9824	-81.718	-0.02707	3190	566.1924	-84.66342	-0.03096	3190	562.8897	-86.08148	-0.01486	3190	562.9571	-94.61546	-0.01764
3191	562.1895	-93.64262	-0.01032	3191	563.1521	-81.78288	-0.02697	3191	566.3574	-84.71369	-0.03086	3191	563.046	-86.14015	-0.01486	3191	563.1559	-94.70293	-0.01763
3192	562.3337	-93.72201	-0.01027	3192	563.342	-81.84031	-0.02703	3192	566.5012	-84.76926	-0.03087	3192	563.2393	-86.20232	-0.01482	3192	563.3195	-94.79134	-0.01774
3193	562.5325	-93.80274	-0.01033	3193	563.4841	-81.89796	-0.02715	3193	566.6927	-84.82587	-0.03102	3193	563.3913	-86.25673	-0.01491	3193	563.474	-94.88122	-0.01778
3194	562.6829	-93.87891	-0.01041	3194	563.6574	-81.95712	-0.02718	3194	566.8558	-84.88148	-0.03103	3194	563.5562	-86.31772	-0.01505	3194	563.6322	-94.96484	-0.01773
3195	562.8572	-93.9583	-0.01042	3195	563.8214	-82.01668	-0.02711	3195	567.0293	-84.93559	-0.03093	3195	563.7141	-86.37703	-0.01503	3195	563.8176	-95.05756	-0.01771
3196	562.995	-94.03469	-0.01035	3196	564.0185	-82.07219	-0.02714	3196	567.1709	-84.98679	-0.03094	3196	563.9059	-86.43916	-0.01498	3196	563.987	-95.13999	-0.01778
3197	563.2041	-94.12108	-0.01037	3197	564.1578	-82.12643	-0.02732	3197	567.3552	-85.04629	-0.03109	3197	564.0664	-86.49338	-0.01502	3197	564.1406	-95.22923	-0.01784
3198	563.3594	-94.19431	-0.01047	3198	564.3359	-82.18129	-0.02739	3198	567.5266	-85.10052	-0.0312	3198	564.2157	-86.55557	-0.01514	3198	564.3043	-95.31081	-0.01781
3199	563.5226	-94.27525	-0.0105	3199	564.4915	-82.23404	-0.02734	3199	567.6995	-85.1554	-0.03111	3199	564.3825	-86.6162	-0.01512	3199	564.4775	-95.40194	-0.01776
3200	563.6746	-94.34641	-0.01044	3200	564.6916	-82.28753	-0.02732	3200	567.8405	-85.20819	-0.03108	3200	564.5699	-86.68167	-0.01512	3200	564.6621	-95.48495	-0.01782
3201	563.8674	-94.42689	-0.01045	3201	564.8362	-82.34467	-0.02741	3201	568.0217	-85.27015	-0.03126	3201	564.7394	-86.73869	-0.01516	3201	564.8087	-95.56967	-0.01787
3202	564.0316	-94.49696	-0.01055	3202	565.0051	-82.38595	-0.02747	3202	568.2025	-85.32495	-0.03137	3202	564.8906	-86.80548	-0.0153	3202	564.9722	-95.64804	-0.01783
3203	564.1907	-94.56876	-0.01062	3203	565.1648	-82.43536	-0.02737	3203	568.3655	-85.38335	-0.03128	3203	565.0575	-86.86592	-0.01539	3203	565.1395	-95.73688	-0.0178
3204	564.3469	-94.63925	-0.01056	3204	565.3707	-82.48749	-0.02724	3204	568.5212	-85.43644	-0.03119	3204	565.2371	-86.93465	-0.01532	3204	565.3333	-95.81462	-0.01784
3205	564.5237	-94.70751	-0.01055	3205	565.5139	-82.53037	-0.0273	3205	568.6854	-85.49675	-0.03134	3205	565.416	-86.99244	-0.01527	3205	565.4683	-95.89688	-0.01793
3206	564.7048	-94.7732	-0.01065	3206	565.6839	-82.5834	-0.02734	3206	568.8697	-85.55473	-0.03145	3206	565.5533	-87.05555	-0.01541	3206	565.6434	-95.97464	-0.01791
3207	564.8553	-94.84174	-0.01071	3207	565.8445	-82.63107	-0.02726	3207	569.0341	-85.61356	-0.03142	3207	565.7314	-87.11746	-0.0155	3207	565.7977	-96.06159	-0.01788
3208	565.0195	-94.90676	-0.01068	3208	566.0382	-82.68192	-0.02718	3208	569.1899	-85.66719	-0.03133	3208	565.9069	-87.18271	-0.01543	3208	565.9934	-96.14634	-0.01794
3209	565.1964	-94.98175	-0.01065	3209	566.195	-82.72695	-0.02724	3209	569.344	-85.73004	-0.03141	3209	566.0886	-8					

3271	575.5705	-99.41235	-0.01205	3271	576.5997	-86.49199	-0.02795	3271	579.6822	-89.85088	-0.03222	3271	576.4812	-90.72777	-0.01685	3271	576.4951	-101.125	-0.01908
3272	575.766	-99.47754	-0.01209	3272	576.7483	-86.55619	-0.02804	3272	579.8831	-89.91874	-0.03237	3272	576.6229	-90.77763	-0.01682	3272	576.6711	-101.2039	-0.01919
3273	575.9104	-99.54536	-0.01219	3273	576.9234	-86.61746	-0.02808	3273	580.0341	-89.98544	-0.03241	3273	576.8026	-90.84004	-0.01699	3273	576.8327	-101.2836	-0.01915
3274	576.0805	-99.60926	-0.01218	3274	577.1035	-86.68133	-0.02795	3274	580.2039	-90.04958	-0.03232	3274	576.9814	-90.89455	-0.01711	3274	577.0245	-101.3645	-0.01912
3275	576.2321	-99.68015	-0.0121	3275	577.2707	-86.73949	-0.02787	3275	580.3475	-90.11594	-0.03229	3275	577.1508	-90.94969	-0.01706	3275	577.165	-101.4399	-0.01918
3276	576.4454	-99.74341	-0.01213	3276	577.4149	-86.80306	-0.02796	3276	580.5516	-90.18336	-0.03241	3276	577.295	-91.00002	-0.01701	3276	577.3374	-101.5235	-0.01927
3277	576.5774	-99.8083	-0.01221	3277	577.5884	-86.86568	-0.02799	3277	580.7081	-90.25	-0.03252	3277	577.4705	-91.06604	-0.01713	3277	577.4968	-101.603	-0.01925
3278	576.7563	-99.87339	-0.01222	3278	577.7641	-86.9334	-0.02795	3278	580.8738	-90.31828	-0.03242	3278	577.6484	-91.11484	-0.01722	3278	577.6923	-101.6854	-0.01918
3279	576.9064	-99.94023	-0.01216	3279	577.9439	-86.99255	-0.0279	3279	581.0178	-90.38331	-0.03233	3279	577.819	-91.17169	-0.01715	3279	577.8434	-101.7619	-0.01923
3280	577.1117	-100.0076	-0.01217	3280	578.0861	-87.05862	-0.02802	3280	581.2129	-90.45943	-0.03244	3280	577.9723	-91.22211	-0.01707	3280	578.004	-101.8426	-0.01931
3281	577.2585	-100.069	-0.01225	3281	578.2568	-87.12475	-0.02814	3281	581.3731	-90.52477	-0.03255	3281	578.1324	-91.28157	-0.01716	3281	578.1645	-101.9208	-0.0193
3282	577.4357	-100.135	-0.01229	3282	578.4323	-87.19479	-0.02809	3282	581.5401	-90.5945	-0.03249	3282	578.2324	-91.33754	-0.01722	3282	578.2668	-102.0004	-0.01923
3283	577.5814	-100.1945	-0.01222	3283	578.6154	-87.25984	-0.02804	3283	581.6901	-90.66265	-0.03237	3283	578.493	-91.39535	-0.01718	3283	578.5139	-102.0718	-0.01923
3284	577.7869	-100.2599	-0.01223	3284	578.7517	-87.32468	-0.02813	3284	581.8708	-90.72885	-0.03241	3284	578.6431	-91.44664	-0.0171	3284	578.6699	-102.1502	-0.01931
3285	577.9376	-100.3126	-0.01235	3285	578.9354	-87.39475	-0.02823	3285	582.0474	-90.79282	-0.03256	3285	578.8026	-91.50584	-0.01719	3285	578.8403	-102.2261	-0.01934
3286	578.0997	-100.3731	-0.01243	3286	579.0986	-87.46254	-0.02818	3286	582.2067	-90.85796	-0.0326	3286	578.9961	-91.56268	-0.01728	3286	579.0237	-102.3046	-0.01927
3287	578.2562	-100.4277	-0.01238	3287	579.2875	-87.52908	-0.0281	3287	582.3661	-90.91763	-0.03247	3287	579.1587	-91.61849	-0.01729	3287	579.1918	-102.3757	-0.01927
3288	578.4487	-100.4879	-0.01235	3288	579.4251	-87.5894	-0.02813	3288	582.5398	-90.98684	-0.03245	3288	579.3211	-91.66996	-0.01721	3288	579.3402	-102.4517	-0.01937
3289	578.61	-100.5426	-0.01247	3289	579.5991	-87.65645	-0.02823	3289	582.7208	-91.04514	-0.03263	3289	579.4727	-91.72432	-0.01728	3289	579.5076	-102.5246	-0.01942
3290	578.7692	-100.6051	-0.01253	3290	579.7675	-87.71977	-0.02821	3290	582.8724	-91.11663	-0.03267	3290	579.6641	-91.78024	-0.01734	3290	579.6897	-102.6	-0.01941
3291	578.929	-100.6582	-0.01249	3291	579.9559	-87.783	-0.02813	3291	583.0319	-91.16698	-0.03254	3291	579.8289	-91.83534	-0.01732	3291	579.8564	-102.6666	-0.01939
3292	579.1152	-100.7241	-0.01246	3292	580.0999	-87.83804	-0.02814	3292	583.1962	-91.23404	-0.03249	3292	579.995	-91.88256	-0.01719	3292	580.0038	-102.7392	-0.01948
3293	579.2925	-100.7817	-0.01254	3293	580.2654	-87.9016	-0.02823	3293	583.383	-91.29288	-0.03266	3293	580.135	-91.93497	-0.0172	3293	580.1798	-102.8112	-0.01954
3294	579.4445	-100.8424	-0.01265	3294	580.4412	-87.96185	-0.02824	3294	583.5355	-91.35651	-0.03271	3294	580.3308	-91.99067	-0.01734	3294	580.3593	-102.8862	-0.01949
3295	579.6105	-100.8972	-0.01263	3295	580.6215	-88.02319	-0.02814	3295	583.7015	-91.41438	-0.03261	3295	580.4961	-92.04341	-0.0174	3295	580.5386	-102.9541	-0.0195
3296	579.7871	-100.9607	-0.0126	3296	580.7791	-88.07705	-0.02811	3296	583.8554	-91.47926	-0.03256	3296	580.6628	-92.09452	-0.01733	3296	580.6764	-103.0273	-0.01954
3297	579.969	-101.0153	-0.01268	3297	580.9359	-88.13913	-0.02821	3297	584.0569	-91.53976	-0.0327	3297	580.8078	-92.1467	-0.01733	3297	580.8505	-103.0993	-0.0196
3298	580.1143	-101.0727	-0.01276	3298	581.1076	-88.19856	-0.02821	3298	584.205	-91.60119	-0.03282	3298	581.004	-92.20346	-0.01751	3298	581.0233	-103.1759	-0.01957
3299	580.2841	-101.1241	-0.01275	3299	581.2894	-88.2616	-0.02808	3299	584.3736	-91.66074	-0.03276	3299	581.1661	-92.2553	-0.01759	3299	581.2125	-103.2475	-0.01953
3300	580.4482	-101.1821	-0.01277	3300	581.4552	-88.3158	-0.02806	3300	584.5219	-91.72568	-0.03266	3300	581.3477	-92.30827	-0.01752	3300	581.3503	-103.314	-0.01958
3301	580.6149	-101.2355	-0.01274	3301	581.6038	-88.37657	-0.02815	3301	584.6764	-91.78667	-0.03261	3301	581.4919	-92.35687	-0.01747	3301	581.5226	-103.3864	-0.01966
3302	580.7865	-101.287	-0.0128	3302	581.7812	-88.43628	-0.02819	3302	584.8688	-91.84734	-0.03295	3302	581.6669	-92.41637	-0.01759	3302	581.6912	-103.4576	-0.01965
3303	580.9566	-101.3386	-0.01281	3303	581.9584	-88.49611	-0.02811	3303	585.042	-91.91067	-0.03293	3303	581.8412	-92.46886	-0.01768	3303	581.8814	-103.5277	-0.0196
3304	581.1132	-101.3987	-0.01276	3304	582.1278	-88.54748	-0.02809	3304	585.1814	-91.9741	-0.0328	3304	582.0079	-92.52323	-0.01763	3304	582.0212	-103.5914	-0.01962
3305	581.3176	-101.4562	-0.01278	3305	582.2741	-88.60344	-0.02818	3305	585.384	-92.03876	-0.03291	3305	582.1532	-92.57278	-0.01758	3305	582.1923	-103.6612	-0.01971
3306	581.4551	-101.5144	-0.01288	3306	582.4511	-88.66003	-0.02828	3306	585.5362	-92.09914	-0.03302	3306	582.3323	-92.631	-0.01768	3306	582.3609	-103.7297	-0.01973
3307	581.6357	-101.5739	-0.01294	3307	582.6254	-88.71661	-0.0282	3307	585.7018	-92.16483	-0.033	3307	582.5096	-92.67931	-0.01779	3307	582.5493	-103.7976	-0.01968
3308	581.7873	-101.6369	-0.01291	3308	582.8039	-88.76682	-0.02812	3308	585.848	-92.22491	-0.03287	3308	582.6729	-92.7327	-0.01777	3308	582.6991	-103.8609	-0.0197
3309	581.9877	-101.7007	-0.0129	3309	582.9436	-88.82138	-0.02821	3309	586.0449	-92.29582	-0.03285	3309	582.8352	-92.77801	-0.01772	3309	582.8607	-103.9295	-0.01983
3310	582.1332	-101.7594	-0.01298	3310	583.1238	-88.87918	-0.02831	3310	586.2015	-92.3557	-0.03299	3310	583.0007	-92.83267	-0.01776	3310	583.0293	-104.0097	-0.01985
3311	582.3074	-101.8231	-0.01302	3311	583.2943	-88.93914	-0.02826	3311	586.3648	-92.42426	-0.033	3311	583.1887	-92.87691	-0.01784	3311	583.2156	-104.0671	-0.0198
3312	582.4528	-101.8829	-0.01297	3312	583.4763	-88.99386	-0.02818	3312	586.5205	-92.48885	-0.03291	3312	583.3461	-92.9255	-0.01788	3312	583.369	-104.1287	-0.01978
3313	582.6597	-101.9471	-0.01294	3313	583.6138	-89.04841	-0.02822	3313	586.6994	-92.56026	-0.03289	3313	583.5017	-92.9667	-0.01778	3313	583.528	-104.1995	-0.01989
3314	582.808	-102.001	-0.01302	3314	583.7895	-89.10835	-0.02834	3314	586.8701	-92.62491	-0.03303	3314	583.6629	-93.01982	-0.01779	3314	583.7028	-104.2677	-0.01993
3315	582.9712	-102.0629	-0.01308	3315	583.9621	-89.16765	-0.02832	3315	587.0286	-92.69364	-0.03308	3315	583.8606	-93.06454	-0.0179	3315	583.8818	-104.3383	-0.01988
3316	583.1245	-102.1169	-0.01305	3316	584.1486	-89.22488	-0.02821	3316	587.1827	-92.75578	-0.03295	3316	584.01	-93.11259	-0.01796	3316	584.0473	-104.4022	-0.01984
3317	583.3164	-102.1807	-0.01302	3317	584.2914	-89.27603	-0.02819	3317	587.3362	-92.82752	-0.03296	3317	584.1753	-93.15685	-0.01789	3317	584.1963	-104.4706	-0.01995
3318	583.483	-102.2355	-0.0131	3318	584.4589	-89.3325	-0.02834	3318	587.4845	-92.88997	-0.03307	3318	584.3275	-93.20931	-0.0179	3318	584.3727	-104.5387	-0.02002
3319	583.6424	-102.3013	-0.01316	3319	584.6392	-89.38984	-0.02838	3319	587.6401	-92.95695	-0.03315	3319	584.5285	-93.26233	-0.01804	3319	584.5491	-104.6067	-0.01996
3320	583.8013	-102.3586	-0.01313	3320	584.8203	-89.44589	-0.02827	3320	587.8516	-93.01696	-0.03309	3320	584.681	-93.31497	-0.01816	3320	584.7261	-104.6675	-0.01993
3321	583.9854	-102.4284	-0.01309	3321	584.965	-89.4943	-0.02825	3321	588.0101	-93.07862	-0.033	3321	584.848	-93.36259	-0.01808	3321	584.8674	-104.7332	-0.02003
3322	584.1614	-102.4884	-0.01316	3322	585.1304	-89.55203	-0.02837	3322	588.2017	-93.12282	-0.0331	3322	584.9923	-93.41753	-0.01804	332			

3384	594.5638	-105.9392	-0.01477	3384	595.5302	-92.99382	-0.02894	3384	598.5745	-96.6524	-0.03334	3384	595.3829	-96.65213	-0.01917	3384	595.4581	-108.6245	-0.02151
3385	594.7044	-105.9854	-0.01487	3385	595.7165	-93.0463	-0.02906	3385	598.713	-96.70512	-0.03345	3385	595.5851	-96.70483	-0.01913	3385	595.6221	-108.6814	-0.02156
3386	594.8798	-106.0285	-0.01489	3386	595.884	-93.09714	-0.02904	3386	598.8854	-96.75891	-0.0335	3386	595.7299	-96.75362	-0.01924	3386	595.8017	-108.7384	-0.02154
3387	595.0422	-106.078	-0.01486	3387	596.0499	-93.14075	-0.0289	3387	599.0389	-96.81325	-0.03337	3387	595.9059	-96.80782	-0.01928	3387	595.9411	-108.7926	-0.02155
3388	595.2372	-106.1184	-0.01486	3388	596.1972	-93.1916	-0.02891	3388	599.2429	-96.86828	-0.03331	3388	596.0458	-96.8598	-0.0192	3388	596.1202	-108.859	-0.02163
3389	595.3759	-106.1621	-0.01498	3389	596.3933	-93.24243	-0.02903	3389	599.3825	-96.91641	-0.03346	3389	596.2505	-96.91774	-0.01921	3389	596.2967	-108.9159	-0.0217
3390	595.5487	-106.204	-0.01503	3390	596.5566	-93.29285	-0.02904	3390	599.558	-96.97171	-0.0335	3390	596.3998	-96.96782	-0.01933	3390	596.4684	-108.975	-0.02166
3391	595.7092	-106.2513	-0.01498	3391	596.724	-93.338	-0.02891	3391	599.7072	-97.02048	-0.03337	3391	596.5641	-97.02665	-0.01939	3391	596.6165	-109.0303	-0.02163
3392	595.9125	-106.2966	-0.01496	3392	596.8686	-93.38878	-0.02891	3392	599.9708	-97.0754	-0.03342	3392	596.7219	-97.08108	-0.01934	3392	596.7902	-109.0936	-0.02172
3393	596.0488	-106.3379	-0.01506	3393	597.061	-93.44177	-0.02903	3393	600.0603	-97.12513	-0.03346	3393	596.9158	-97.13807	-0.0193	3393	596.9697	-109.1504	-0.02178
3394	596.2255	-106.3844	-0.01513	3394	597.2269	-93.49458	-0.02904	3394	600.2203	-97.17537	-0.03354	3394	597.0776	-97.1897	-0.01941	3394	597.1367	-109.2101	-0.02175
3395	596.3821	-106.4306	-0.01509	3395	597.4045	-93.54649	-0.02894	3395	600.3788	-97.22522	-0.03344	3395	597.239	-97.24871	-0.0195	3395	597.2887	-109.2655	-0.02169
3396	596.5816	-106.4794	-0.01506	3396	597.5481	-93.59422	-0.02891	3396	600.5768	-97.28447	-0.03339	3396	597.394	-97.29849	-0.01942	3396	597.4499	-109.3288	-0.02178
3397	596.7278	-106.5195	-0.01516	3397	597.7321	-93.65126	-0.02904	3397	600.7351	-97.33339	-0.0335	3397	597.5853	-97.35654	-0.01938	3397	597.6404	-109.3897	-0.02186
3398	596.895	-106.5657	-0.01524	3398	597.9047	-93.70206	-0.02907	3398	600.8906	-97.39126	-0.03361	3398	597.7537	-97.40375	-0.01944	3398	597.8034	-109.4504	-0.02185
3399	597.0497	-106.6085	-0.01521	3399	598.0757	-93.75266	-0.029	3399	601.0541	-97.44455	-0.03348	3399	597.9035	-97.45922	-0.01956	3399	597.9587	-109.5075	-0.02177
3400	597.2508	-106.6539	-0.0152	3400	598.2237	-93.79948	-0.02897	3400	601.2335	-97.50612	-0.03355	3400	598.0695	-97.50681	-0.01954	3400	598.1166	-109.5714	-0.02182
3401	597.4024	-106.6887	-0.01528	3401	598.4071	-93.85471	-0.0291	3401	601.4111	-97.56018	-0.03347	3401	598.2499	-97.56379	-0.01944	3401	598.3078	-109.6314	-0.02188
3402	597.564	-106.7332	-0.01536	3402	598.5838	-93.90337	-0.02916	3402	601.5575	-97.61946	-0.03358	3402	598.4282	-97.60997	-0.01944	3402	598.4717	-109.6939	-0.02187
3403	597.7295	-106.7711	-0.01539	3403	598.7504	-93.95125	-0.02911	3403	601.7222	-97.67475	-0.03355	3403	598.5673	-97.66266	-0.01956	3403	598.6385	-109.75	-0.02179
3404	597.9241	-106.815	-0.01533	3404	598.9031	-93.99611	-0.02906	3404	601.8937	-97.73856	-0.03343	3404	598.7399	-97.71075	-0.01959	3404	598.7895	-109.809	-0.02182
3405	598.087	-106.8505	-0.01538	3405	599.07	-94.04903	-0.02913	3405	602.0856	-97.79238	-0.0335	3405	598.909	-97.76877	-0.01952	3405	598.981	-109.8702	-0.02191
3406	598.2409	-106.8934	-0.01546	3406	599.2601	-94.09776	-0.02919	3406	602.222	-97.85022	-0.03362	3406	599.1022	-97.81691	-0.0195	3406	599.1462	-109.9308	-0.02195
3407	598.4077	-106.9277	-0.01546	3407	599.4253	-94.14616	-0.02914	3407	602.3699	-97.90549	-0.03362	3407	599.2424	-97.86982	-0.01964	3407	599.3128	-109.9827	-0.0219
3408	598.5889	-106.9719	-0.01545	3408	599.5772	-94.19022	-0.02906	3408	602.5166	-97.96229	-0.03346	3408	599.418	-97.91791	-0.01973	3408	599.4567	-110.0406	-0.02192
3409	598.772	-107.0062	-0.01551	3409	599.7394	-94.24546	-0.0291	3409	602.7527	-98.02185	-0.03344	3409	599.5822	-97.97253	-0.01966	3409	599.6541	-110.0983	-0.02201
3410	598.9122	-107.0423	-0.01563	3410	599.9363	-94.29668	-0.0292	3410	602.8961	-98.08076	-0.03358	3410	599.7756	-98.01962	-0.01961	3410	599.8141	-110.1546	-0.02205
3411	599.0844	-107.0746	-0.01575	3411	600.0936	-94.34842	-0.0292	3411	603.0725	-98.13805	-0.03359	3411	599.9106	-98.06582	-0.0197	3411	599.9859	-110.2039	-0.02202
3412	599.2623	-107.1148	-0.01582	3412	600.2564	-94.39774	-0.02909	3412	603.2219	-98.20177	-0.03343	3412	600.0922	-98.11394	-0.01979	3412	600.1295	-110.2548	-0.022
3413	599.4432	-107.1434	-0.01594	3413	600.4128	-94.45102	-0.02916	3413	603.4252	-98.26221	-0.03341	3413	600.249	-98.16341	-0.01972	3413	600.3237	-110.3095	-0.02211
3414	599.5886	-107.1722	-0.01612	3414	600.6044	-94.50391	-0.02925	3414	603.5642	-98.32009	-0.03355	3414	600.448	-98.21083	-0.01967	3414	600.4829	-110.3593	-0.02215
3415	599.7661	-107.1962	-0.01622	3415	600.7653	-94.55596	-0.02923	3415	603.7362	-98.38126	-0.03363	3415	600.587	-98.25427	-0.01973	3415	600.6619	-110.4089	-0.02212
3416	599.9313	-107.2232	-0.01624	3416	600.9327	-94.60265	-0.02915	3416	603.904	-98.44066	-0.03354	3416	600.7625	-98.30256	-0.01982	3416	600.8063	-110.4541	-0.02206
3417	600.1299	-107.242	-0.01625	3417	601.0762	-94.65348	-0.02916	3417	604.0941	-98.50247	-0.03351	3417	600.9222	-98.35098	-0.01977	3417	600.9895	-110.5079	-0.02215
3418	600.2447	-107.2579	-0.01633	3418	601.2744	-94.70911	-0.02928	3418	604.2345	-98.55631	-0.03366	3418	601.122	-98.4002	-0.0197	3418	601.1641	-110.5541	-0.02222
3419	600.4625	-107.273	-0.01637	3419	601.4401	-94.76202	-0.02932	3419	604.4047	-98.61857	-0.03377	3419	601.2658	-98.43958	-0.01976	3419	601.3377	-110.6047	-0.02216
3420	600.6024	-107.2908	-0.01634	3420	601.6051	-94.8118	-0.02924	3420	604.5595	-98.6747	-0.03371	3420	601.4334	-98.4891	-0.01985	3420	601.484	-110.6476	-0.02213
3421	600.8045	-107.3062	-0.01632	3421	601.7501	-94.86531	-0.02922	3421	604.7541	-98.7358	-0.03365	3421	601.5978	-98.53522	-0.01988	3421	601.661	-110.7013	-0.02221
3422	600.9196	-107.3165	-0.01642	3422	601.9448	-94.92358	-0.02934	3422	604.9132	-98.78972	-0.03373	3422	601.7899	-98.58473	-0.0197	3422	601.8412	-110.7444	-0.02232
3423	601.1138	-107.3325	-0.01651	3423	602.1033	-94.97936	-0.02941	3423	605.0723	-98.8499	-0.03381	3423	601.9445	-98.62772	-0.01973	3423	602.0037	-110.7905	-0.0223
3424	601.2749	-107.3475	-0.01647	3424	602.2808	-95.035	-0.0293	3424	605.2315	-98.90689	-0.03375	3424	602.1047	-98.67882	-0.01985	3424	602.1633	-110.8318	-0.02225
3425	601.4702	-107.3656	-0.01646	3425	602.4233	-95.08392	-0.02925	3425	605.4263	-98.96965	-0.03366	3425	602.2698	-98.72498	-0.01983	3425	602.3307	-110.8791	-0.02229
3426	601.6149	-107.3792	-0.01654	3426	602.6115	-95.144	-0.02932	3426	605.5839	-99.02058	-0.03373	3426	602.4561	-98.77727	-0.01976	3426	602.5172	-110.9183	-0.02238
3427	601.7934	-107.4008	-0.01662	3427	602.7815	-95.19467	-0.02938	3427	605.7387	-99.08334	-0.03381	3427	602.6212	-98.81957	-0.01977	3427	602.6852	-110.9613	-0.02239
3428	601.9487	-107.4204	-0.01663	3428	602.9515	-95.25122	-0.02931	3428	605.9049	-99.13818	-0.03378	3428	602.7709	-98.86704	-0.01991	3428	602.8408	-110.9942	-0.02231
3429	602.1462	-107.445	-0.0166	3429	603.1011	-95.30115	-0.0292	3429	606.0815	-99.2003	-0.03366	3429	602.9437	-98.91446	-0.01997	3429	602.9955	-111.0366	-0.02234
3430	602.3028	-107.4619	-0.01666	3430	603.2804	-95.36159	-0.02926	3430	606.2629	-99.25665	-0.0337	3430	603.1292	-98.96317	-0.0199	3430	603.1943	-111.0747	-0.02244
3431	602.4601	-107.4889	-0.01674	3431	603.4584	-95.4154	-0.02936	3431	606.4111	-99.31514	-0.03381	3431	603.299	-99.00355	-0.01987	3431	603.3492	-111.1119	-0.02249
3432	602.6262	-107.5102	-0.01675	3432	603.6192	-95.47235	-0.02934	3432	606.5798	-99.37414	-0.03382	3432	603.4474	-99.05048	-0.02002	3432	603.5114	-111.1488	-0.02237
3433	602.8139	-107.5387	-0.01669	3433	603.7728	-95.524	-0.02926	3433	606.7519	-99.43494	-0.03373	3433	603.6195	-99.09549	-0.02008	3433	603.6663	-111.1906	-0.02238
3434	602.9771	-107.5577	-0.01674	3434	603.9375	-95.58482	-0.02932	3434	606.9295	-99.49136	-0.03377	3434	603.794	-99.14673	-0.02001	3434	603.8669	-111.2326	-0.02246
3435	603.1328	-107.5853	-0.01682	3435	604.1271	-95.64018	-0.02942	3435	607.0746	-99.55039	-0.03392	3435	603.9763	-99.1882	-0.01996	343			

3497	613.6195	-108.2425	-0.01847	3497	614.5488	-98.88742	-0.03012	3497	617.5139	-102.7574	-0.03447	3497	614.3996	-102.1995	-0.02053	3497	614.4653	-113.5489	-0.02382
3498	613.7938	-108.2292	-0.01855	3498	614.6919	-98.93565	-0.03019	3498	617.6913	-102.8007	-0.03458	3498	614.5405	-102.2405	-0.02051	3498	614.6393	-113.5714	-0.02381
3499	613.973	-108.2225	-0.01854	3499	614.8657	-98.97955	-0.03011	3499	617.8501	-102.8456	-0.03452	3499	614.7273	-102.2897	-0.02063	3499	614.7845	-113.5949	-0.02376
3500	614.1637	-108.2026	-0.01855	3500	615.0155	-99.02957	-0.03003	3500	618.0431	-102.8953	-0.03439	3500	614.8952	-102.3321	-0.02072	3500	614.9954	-113.6243	-0.02378
3501	614.3033	-108.188	-0.01865	3501	615.2195	-99.07357	-0.03012	3501	618.1917	-102.9385	-0.03444	3501	615.0725	-102.3755	-0.02062	3501	615.1439	-113.6449	-0.02387
3502	614.4866	-108.1705	-0.01871	3502	615.3691	-99.11847	-0.03016	3502	618.356	-102.9889	-0.03458	3502	615.2195	-102.4141	-0.02057	3502	615.3148	-113.6731	-0.02389
3503	614.6534	-108.1563	-0.01866	3503	615.5443	-99.16173	-0.03011	3503	618.5302	-103.0391	-0.03463	3503	615.3938	-102.4618	-0.02068	3503	615.4621	-113.6931	-0.02384
3504	614.8451	-108.1374	-0.01859	3504	615.6852	-99.20837	-0.03001	3504	618.719	-103.0917	-0.0345	3504	615.5796	-102.5017	-0.02077	3504	615.6595	-113.7255	-0.02384
3505	614.9841	-108.1171	-0.01865	3505	615.8958	-99.25789	-0.03007	3505	618.873	-103.1382	-0.03451	3505	615.7501	-102.544	-0.02073	3505	615.8235	-113.7478	-0.02393
3506	615.1594	-108.1023	-0.01869	3506	616.0497	-99.30362	-0.03019	3506	619.0311	-103.1827	-0.03466	3506	615.9004	-102.5817	-0.02062	3506	615.9871	-113.7779	-0.02395
3507	615.3283	-108.0887	-0.01868	3507	616.2183	-99.3544	-0.03017	3507	619.2028	-103.2419	-0.0347	3507	616.0668	-102.6254	-0.02074	3507	616.1397	-113.8008	-0.0239
3508	615.525	-108.0762	-0.01866	3508	616.3632	-99.39968	-0.03006	3508	619.3858	-103.2972	-0.03461	3508	616.2557	-102.6658	-0.02083	3508	616.329	-113.8342	-0.02386
3509	615.6652	-108.0588	-0.01874	3509	616.5681	-99.45609	-0.0301	3509	619.5523	-103.3459	-0.03458	3509	616.417	-102.7064	-0.02084	3509	616.5007	-113.8589	-0.02395
3510	615.838	-108.0516	-0.01885	3510	616.7221	-99.50133	-0.03022	3510	619.7034	-103.4027	-0.03469	3510	616.5774	-102.7435	-0.02076	3510	616.6546	-113.8893	-0.02402
3511	616.0092	-108.0404	-0.01885	3511	616.8905	-99.55246	-0.0302	3511	619.8756	-103.4562	-0.03477	3511	616.7348	-102.7866	-0.02085	3511	616.8186	-113.913	-0.02398
3512	616.2005	-108.0318	-0.01878	3512	617.0376	-99.59805	-0.03015	3512	620.0576	-103.5157	-0.03468	3512	616.926	-102.8289	-0.02097	3512	616.9981	-113.946	-0.02395
3513	616.3562	-108.0152	-0.01886	3513	617.2286	-99.65344	-0.03013	3513	620.2274	-103.5648	-0.03462	3513	617.0895	-102.8724	-0.02098	3513	617.1779	-113.971	-0.02403
3514	616.5236	-108.0058	-0.01891	3514	617.3976	-99.69994	-0.03025	3514	620.372	-103.6233	-0.03473	3514	617.252	-102.9128	-0.02093	3514	617.3331	-114.01	-0.0241
3515	616.6904	-107.9915	-0.01889	3515	617.5554	-99.75127	-0.03029	3515	620.5321	-103.6781	-0.03481	3515	617.4038	-102.9581	-0.02094	3515	617.4981	-114.0254	-0.02408
3516	616.8842	-107.9791	-0.01888	3516	617.7147	-99.79964	-0.03021	3516	620.7277	-103.7363	-0.03475	3516	617.6042	-103.0061	-0.02103	3516	617.6635	-114.0576	-0.02405
3517	617.0452	-107.9554	-0.01892	3517	617.8975	-99.86009	-0.03019	3517	620.9085	-103.7843	-0.03469	3517	617.7639	-103.0517	-0.02101	3517	617.8597	-114.0823	-0.02415
3518	617.1964	-107.9383	-0.01904	3518	618.07	-99.9095	-0.03031	3518	621.0501	-103.8362	-0.0348	3518	617.9294	-103.0935	-0.0209	3518	618.0024	-114.1092	-0.02422
3519	617.3706	-107.918	-0.01909	3519	618.2318	-99.96574	-0.03035	3519	621.2252	-103.8863	-0.03498	3519	618.0787	-103.1403	-0.02088	3519	618.1722	-114.1332	-0.02418
3520	617.5566	-107.9009	-0.01905	3520	618.3958	-100.0155	-0.03027	3520	621.3963	-103.9384	-0.03492	3520	618.2713	-103.1858	-0.02097	3520	618.3372	-114.1632	-0.02415
3521	617.7235	-107.8748	-0.0191	3521	618.5644	-100.0768	-0.03019	3521	621.5886	-103.9866	-0.03483	3521	618.4315	-103.2317	-0.02098	3521	618.5347	-114.185	-0.02418
3522	617.8748	-107.8538	-0.0192	3522	618.7547	-100.1273	-0.03032	3522	621.7213	-104.0321	-0.03487	3522	618.6052	-103.2728	-0.02088	3522	618.6785	-114.2091	-0.02424
3523	618.0551	-107.8323	-0.01928	3523	618.9045	-100.1814	-0.03032	3523	621.902	-104.0826	-0.03495	3523	618.7429	-103.3166	-0.02083	3523	618.8587	-114.2304	-0.02421
3524	618.2323	-107.8146	-0.01923	3524	619.0723	-100.2298	-0.03024	3524	622.0733	-104.1371	-0.03489	3524	618.9396	-103.3666	-0.02092	3524	619.0103	-114.2559	-0.02415
3525	618.4138	-107.7892	-0.01922	3525	619.2313	-100.2853	-0.0302	3525	622.2573	-104.1901	-0.03473	3525	619.1041	-103.413	-0.02101	3525	619.2178	-114.2787	-0.02416
3526	618.59	-107.7666	-0.0193	3526	619.4284	-100.3344	-0.03029	3526	622.3993	-104.2364	-0.03477	3526	619.2728	-103.4607	-0.02091	3526	619.3633	-114.2966	-0.02422
3527	618.7319	-107.7429	-0.01936	3527	619.5703	-100.3844	-0.03041	3527	622.5712	-104.2863	-0.03492	3527	619.4207	-103.5051	-0.02086	3527	619.5361	-114.3172	-0.02421
3528	618.9108	-107.7266	-0.01929	3528	619.7457	-100.4331	-0.03033	3528	622.7421	-104.3402	-0.0349	3528	619.6107	-103.559	-0.02098	3528	619.6833	-114.3351	-0.02417
3529	619.0974	-107.6987	-0.01926	3529	619.8998	-100.4863	-0.03026	3529	622.9277	-104.3908	-0.03477	3529	619.7783	-103.6035	-0.02107	3529	619.8888	-114.3577	-0.02418
3530	619.2383	-107.6722	-0.01932	3530	620.1011	-100.5366	-0.03035	3530	623.0784	-104.4354	-0.03478	3530	619.9504	-103.6512	-0.02099	3530	620.0352	-114.3707	-0.02428
3531	619.4177	-107.6471	-0.0194	3531	620.2472	-100.5873	-0.03035	3531	623.2374	-104.4845	-0.03489	3531	620.0967	-103.6914	-0.02092	3531	620.208	-114.3928	-0.02433
3532	619.5865	-107.6211	-0.01939	3532	620.4247	-100.6365	-0.03048	3532	623.4136	-104.5349	-0.03493	3532	620.2724	-103.7426	-0.02098	3532	620.3576	-114.4079	-0.02433
3533	619.779	-107.5938	-0.01937	3533	620.5632	-100.6913	-0.03037	3533	623.6012	-104.5842	-0.03484	3533	620.4559	-103.7847	-0.0211	3533	620.5533	-114.4309	-0.02428
3534	619.9206	-107.5665	-0.01945	3534	620.78	-100.744	-0.03041	3534	623.7543	-104.634	-0.03478	3534	620.6177	-103.8305	-0.02108	3534	620.7191	-114.4447	-0.02437
3535	620.0939	-107.5287	-0.01955	3535	620.9243	-100.7899	-0.03055	3535	623.9137	-104.69	-0.03489	3535	620.7691	-103.871	-0.021	3535	620.8825	-114.4642	-0.02443
3536	620.2659	-107.4968	-0.01954	3536	621.093	-100.8431	-0.03053	3536	624.0902	-104.7441	-0.03497	3536	620.9381	-103.9214	-0.02104	3536	621.0378	-114.4784	-0.0244
3537	620.4661	-107.4667	-0.01951	3537	621.2407	-100.89	-0.03043	3537	624.2665	-104.8013	-0.03488	3537	621.1285	-103.9643	-0.02118	3537	621.2319	-114.5022	-0.02434
3538	620.6075	-107.4276	-0.01955	3538	621.4467	-100.9445	-0.03041	3538	624.4334	-104.8541	-0.03482	3538	621.2861	-104.0104	-0.02119	3538	621.4016	-114.515	-0.02443
3539	620.7831	-107.397	-0.01965	3539	621.5969	-100.9885	-0.03053	3539	624.5825	-104.916	-0.03493	3539	621.4518	-104.0489	-0.02111	3539	621.5515	-114.5356	-0.02447
3540	620.9536	-107.3636	-0.01966	3540	621.7676	-101.0394	-0.03054	3540	624.7598	-104.9633	-0.03504	3540	621.6112	-104.0946	-0.02112	3540	621.7189	-114.5498	-0.02444
3541	621.1362	-107.3332	-0.01961	3541	621.9204	-101.0828	-0.03043	3541	624.9421	-105.0286	-0.03499	3541	621.8034	-104.134	-0.02127	3541	621.8956	-114.5736	-0.02438
3542	621.2925	-107.2922	-0.01961	3542	622.1138	-101.1382	-0.03039	3542	625.1135	-105.0754	-0.03486	3542	621.9591	-104.1752	-0.0213	3542	622.0767	-114.5884	-0.02443
3543	621.4539	-107.2584	-0.01969	3543	622.2827	-101.1819	-0.03051	3543	625.2557	-105.1291	-0.03497	3543	622.1266	-104.2069	-0.0212	3543	622.2253	-114.606	-0.0245
3544	621.6251	-107.2252	-0.0197	3544	622.4371	-101.2298	-0.03057	3544	625.3945	-105.1822	-0.03508	3544	622.2774	-104.2463	-0.02115	3544	622.3934	-114.6187	-0.02448
3545	621.8142	-107.194	-0.01963	3545	622.595	-101.2712	-0.03049	3545	625.5498	-105.2342	-0.03502	3545	622.4833	-104.2832	-0.02127	3545	622.557	-114.6404	-0.02445
3546	621.981	-107.1544	-0.01961	3546	622.7832	-101.3233	-0.03047	3546	625.7954	-105.28	-0.03486	3546	622.6327	-104.317	-0.02133	3546	622.7537	-114.6544	-0.02447
3547	622.1321	-107.1218	-0.0197	3547	622.9584	-101.3642	-0.03062	3547	625.9374	-105.3266	-0.0349	3547	622.7997	-104.3479	-0.0212	3547	622.8986	-114.6734	-0.02456
3548	622.311	-107.0876	-0.01976	3548	623.1093	-101.4126	-0.03069	3548	626.1111	-105.3743	-0.03505	3548	622.9514	-104.3846	-0.021				

3610	632.8726	-105.5471	-0.02139	3610	633.5524	-104.5256	-0.03134	3610	636.5659	-108.1295	-0.03563	3610	633.4403	-106.5704	-0.02159	3610	633.5792	-115.2799	-0.02526
3611	633.0459	-105.5491	-0.02138	3611	633.7253	-104.5742	-0.03137	3611	636.7536	-108.1708	-0.03568	3611	633.6481	-106.6103	-0.02155	3611	633.7448	-115.2932	-0.02523
3612	633.2283	-105.5488	-0.02131	3612	633.8894	-104.6317	-0.03124	3612	636.9164	-108.2137	-0.03558	3612	633.7949	-106.6415	-0.02169	3612	633.9412	-115.3077	-0.0252
3613	633.3662	-105.5555	-0.02137	3613	634.0877	-104.6798	-0.03124	3613	637.0753	-108.2528	-0.03549	3613	633.9639	-106.681	-0.02175	3613	634.0813	-115.3145	-0.02526
3614	633.5507	-105.5624	-0.02145	3614	634.2204	-104.7268	-0.03137	3614	637.2346	-108.2983	-0.0356	3614	634.1205	-106.7169	-0.02168	3614	634.2551	-115.3283	-0.02534
3615	633.7258	-105.5714	-0.02144	3615	634.4011	-104.7748	-0.03143	3615	637.42	-108.3451	-0.03572	3615	634.2209	-106.7576	-0.0216	3615	634.4231	-115.3423	-0.02529
3616	633.9122	-105.5787	-0.02137	3616	634.5623	-104.8235	-0.03135	3616	637.5915	-108.3946	-0.03562	3616	634.4709	-106.7902	-0.02172	3616	634.6196	-115.3603	-0.02524
3617	634.0472	-105.5858	-0.02137	3617	634.7587	-104.8701	-0.03134	3617	637.7512	-108.4381	-0.03546	3617	634.6379	-106.8322	-0.02183	3617	634.7662	-115.3682	-0.02526
3618	634.2232	-105.5998	-0.02144	3618	634.8996	-104.9144	-0.03145	3618	637.8984	-108.4924	-0.03551	3618	634.7949	-106.8701	-0.02176	3618	634.9327	-115.386	-0.02535
3619	634.4007	-105.6143	-0.02144	3619	635.0767	-104.9614	-0.03149	3619	638.0972	-108.5464	-0.03558	3619	634.8994	-106.9149	-0.02166	3619	635.0997	-115.4027	-0.02533
3620	634.5837	-105.6316	-0.02137	3620	635.2296	-105.007	-0.03141	3620	638.2623	-108.6011	-0.03559	3620	635.1545	-106.9526	-0.02172	3620	635.2897	-115.4217	-0.02526
3621	634.7313	-105.6471	-0.02139	3621	635.4336	-105.057	-0.03134	3621	638.4268	-108.6505	-0.03546	3621	635.3123	-106.9959	-0.02184	3621	635.4526	-115.4344	-0.0253
3622	634.8999	-105.6691	-0.02148	3622	635.5801	-105.0988	-0.03143	3622	638.5761	-108.7041	-0.03547	3622	635.4684	-107.0353	-0.02179	3622	635.6087	-115.4545	-0.02539
3623	635.0784	-105.694	-0.02148	3623	635.7468	-105.1492	-0.03152	3623	638.7703	-108.7581	-0.03562	3623	635.6561	-107.0835	-0.02169	3623	635.7778	-115.4737	-0.02541
3624	635.2684	-105.7226	-0.02141	3624	635.9055	-105.1957	-0.03145	3624	638.931	-108.812	-0.03563	3624	635.83	-107.122	-0.02172	3624	635.9664	-115.4977	-0.02534
3625	635.4147	-105.7461	-0.0214	3625	636.1023	-105.2454	-0.03137	3625	639.1052	-108.859	-0.03557	3625	635.9824	-107.1692	-0.02181	3625	636.1351	-115.5162	-0.02535
3626	635.5796	-105.77	-0.02152	3626	636.2549	-105.2977	-0.03146	3626	639.2517	-108.9048	-0.03554	3626	636.1549	-107.2107	-0.02179	3626	636.2809	-115.5447	-0.02541
3627	635.7605	-105.8125	-0.02156	3627	636.4217	-105.3401	-0.03158	3627	639.4336	-108.9556	-0.03569	3627	636.3251	-107.2592	-0.02169	3627	636.4556	-115.5716	-0.02544
3628	635.9362	-105.8486	-0.02149	3628	636.5828	-105.3872	-0.03156	3628	639.606	-108.9999	-0.03577	3628	636.5109	-107.3009	-0.02167	3628	636.6359	-115.6031	-0.02538
3629	636.0952	-105.8774	-0.02147	3629	636.769	-105.4405	-0.03149	3629	639.7782	-109.0427	-0.03567	3629	636.6541	-107.3454	-0.02179	3629	636.8096	-115.6296	-0.02535
3630	636.2535	-105.913	-0.0216	3630	636.933	-105.486	-0.03155	3630	639.9251	-109.0809	-0.03569	3630	636.8243	-107.3868	-0.0218	3630	636.954	-115.6617	-0.02541
3631	636.4318	-105.9473	-0.02168	3631	637.0902	-105.5385	-0.03167	3631	640.1109	-109.1259	-0.03587	3631	636.9952	-107.4335	-0.02169	3631	637.1301	-115.6934	-0.02546
3632	636.6071	-105.9838	-0.02161	3632	637.2523	-105.5876	-0.03173	3632	640.2826	-109.1601	-0.03594	3632	637.1888	-107.4762	-0.02168	3632	637.303	-115.7288	-0.02544
3633	636.7752	-106.0137	-0.02155	3633	637.4419	-105.6428	-0.03163	3633	640.4529	-109.1951	-0.03589	3633	637.3224	-107.5186	-0.02176	3633	637.4918	-115.7571	-0.02537
3634	636.9249	-106.0466	-0.02164	3634	637.6118	-105.6897	-0.03163	3634	640.5977	-109.2271	-0.03586	3634	637.5037	-107.5617	-0.02183	3634	637.634	-115.7904	-0.02543
3635	637.1097	-106.0799	-0.0217	3635	637.7564	-105.744	-0.03176	3635	640.7715	-109.266	-0.03601	3635	637.6595	-107.6095	-0.02172	3635	637.8053	-115.8212	-0.02552
3636	637.2861	-106.118	-0.02169	3636	637.9281	-105.795	-0.03176	3636	640.9548	-109.3006	-0.03612	3636	637.8588	-107.6543	-0.0217	3636	637.978	-115.856	-0.02549
3637	637.4542	-106.1493	-0.02161	3637	638.1035	-105.8506	-0.03169	3637	641.1232	-109.3375	-0.03606	3637	638.001	-107.6965	-0.02182	3637	638.1668	-115.886	-0.02545
3638	637.5995	-106.1869	-0.02166	3638	638.2849	-105.9011	-0.03164	3638	641.2747	-109.3678	-0.03593	3638	638.1771	-107.7427	-0.02188	3638	638.3024	-115.9162	-0.0255
3639	637.7826	-106.227	-0.02176	3639	638.4291	-105.9551	-0.03173	3639	641.4381	-109.4088	-0.03608	3639	638.3111	-107.7879	-0.02183	3639	638.4827	-115.9496	-0.02558
3640	637.9516	-106.2718	-0.02174	3640	638.6016	-106.0046	-0.03179	3640	641.6292	-109.4451	-0.03615	3640	638.5331	-107.8333	-0.02179	3640	638.6523	-115.9823	-0.02555
3641	638.1292	-106.3127	-0.02167	3641	638.7703	-106.0623	-0.03172	3641	641.7921	-109.4837	-0.0361	3641	638.6773	-107.8716	-0.02188	3641	638.8404	-116.0154	-0.02549
3642	638.2716	-106.3572	-0.02168	3642	638.9672	-106.112	-0.03167	3642	641.9525	-109.5178	-0.03593	3642	638.8475	-107.9176	-0.02197	3642	638.9841	-116.0442	-0.02552
3643	638.4493	-106.409	-0.02174	3643	639.1027	-106.1608	-0.03176	3643	642.1098	-109.558	-0.03594	3643	639.0082	-107.9603	-0.02192	3643	639.1583	-116.0762	-0.0256
3644	638.6243	-106.46	-0.02177	3644	639.2802	-106.2099	-0.0318	3644	642.3005	-109.6004	-0.03606	3644	639.2047	-108.0049	-0.02185	3644	639.3241	-116.1114	-0.02563
3645	638.8099	-106.5105	-0.02169	3645	639.4453	-106.2586	-0.03172	3645	642.4648	-109.6397	-0.03603	3645	639.3505	-108.0429	-0.02191	3645	639.5201	-116.1456	-0.02558
3646	638.9493	-106.5575	-0.0217	3646	639.6361	-106.3035	-0.0317	3646	642.6289	-109.6765	-0.0359	3646	639.517	-108.0879	-0.022	3646	639.6669	-116.1782	-0.02558
3647	639.1231	-106.6115	-0.0218	3647	639.7772	-106.3459	-0.03179	3647	642.769	-109.7164	-0.03588	3647	639.6784	-108.1287	-0.02198	3647	639.8303	-116.2045	-0.02567
3648	639.3012	-106.6635	-0.02184	3648	639.954	-106.3917	-0.03186	3648	642.9719	-109.7606	-0.03603	3648	639.8741	-108.1737	-0.0219	3648	640.0057	-116.2426	-0.02569
3649	639.4808	-106.7144	-0.02181	3649	640.1084	-106.4334	-0.03184	3649	643.1344	-109.8006	-0.03604	3649	640.0388	-108.2071	-0.02196	3649	640.1869	-116.2744	-0.02562
3650	639.6271	-106.7596	-0.0218	3650	640.3057	-106.4804	-0.03176	3650	643.3403	-109.8364	-0.03594	3650	640.1958	-108.2454	-0.02211	3650	640.3456	-116.3004	-0.02562
3651	639.7954	-106.8068	-0.02186	3651	640.4553	-106.5191	-0.03185	3651	643.4479	-109.8756	-0.03591	3651	640.3622	-108.2797	-0.02209	3651	640.5028	-116.3339	-0.02571
3652	639.9731	-106.8561	-0.02189	3652	640.6177	-106.5672	-0.03197	3652	643.645	-109.9168	-0.03606	3652	640.5547	-108.3147	-0.02201	3652	640.6767	-116.3637	-0.02575
3653	640.1531	-106.9057	-0.02181	3653	640.7845	-106.6125	-0.03192	3653	643.8037	-109.9563	-0.03614	3653	640.7175	-108.3398	-0.02202	3653	640.86	-116.3976	-0.02572
3654	640.3013	-106.9446	-0.02178	3654	640.9785	-106.662	-0.03188	3654	643.9815	-109.9913	-0.03604	3654	640.8687	-108.3707	-0.02214	3654	641.0275	-116.4252	-0.02568
3655	640.4628	-106.9958	-0.02186	3655	641.1299	-106.7029	-0.03191	3655	644.1239	-110.0256	-0.03598	3655	641.0428	-108.3994	-0.02217	3655	641.1751	-116.4596	-0.02575
3656	640.6473	-107.0451	-0.02191	3656	641.2945	-106.7533	-0.03203	3656	644.3133	-110.0667	-0.03617	3656	641.2206	-108.4309	-0.02207	3656	641.3524	-116.4928	-0.0258
3657	640.8228	-107.0972	-0.02185	3657	641.464	-106.7996	-0.03204	3657	644.4803	-110.0998	-0.03625	3657	641.3971	-108.4542	-0.02205	3657	641.5348	-116.528	-0.02572
3658	640.9867	-107.1414	-0.02182	3658	641.645	-106.8492	-0.03194	3658	644.6574	-110.1373	-0.03628	3658	641.54	-108.4842	-0.02217	3658	641.7063	-116.556	-0.02569
3659	641.1411	-107.1927	-0.0219	3659	641.8113	-106.8908	-0.03194	3659	644.8011	-110.1692	-0.03596	3659	641.7136	-108.5116	-0.0222	3659	641.8512	-116.5917	-0.02575
3660	641.3211	-107.2456	-0.02197	3660	641.9611	-106.9392	-0.03206	3660	644.9829	-110.2133	-0.03604	3660	641.8937	-108.5463	-0.02213	3660	642.0272	-116.6276	-0.0258
3661	641.4985	-107.3013	-0.02193	3661	642.1325	-106.9853	-0.0321	3661	645.162	-110.2461	-0.03608	3661	642.0797	-108.5714	-0.0				

3723	651.8949	-112.2361	-0.02266	3723	652.6027	-109.7077	-0.03235	3723	655.6314	-112.4143	-0.03629	3723	652.5535	-110.5771	-0.02279	3723	652.6495	-119.2027	-0.02616
3724	652.0603	-112.3039	-0.02259	3724	652.7746	-109.7522	-0.03231	3724	655.7849	-112.4446	-0.03626	3724	652.6973	-110.6117	-0.02277	3724	652.825	-119.2401	-0.02611
3725	652.2048	-112.3729	-0.02259	3725	652.9543	-109.7919	-0.03223	3725	655.9949	-112.4719	-0.03613	3725	652.8798	-110.6546	-0.02289	3725	652.9657	-119.2745	-0.02607
3726	652.3923	-112.4445	-0.02268	3726	653.0953	-109.836	-0.03229	3726	656.1028	-112.5006	-0.03608	3726	653.0605	-110.6894	-0.02292	3726	653.1426	-119.3187	-0.02614
3727	652.5552	-112.5098	-0.0227	3727	653.2788	-109.8831	-0.03244	3727	656.3074	-112.5374	-0.03622	3727	653.2322	-110.7278	-0.02285	3727	653.3258	-119.3588	-0.02616
3728	652.7359	-112.5767	-0.02263	3728	653.4999	-109.9315	-0.03245	3728	656.4565	-112.5714	-0.0363	3728	653.381	-110.7596	-0.02275	3728	653.4939	-119.395	-0.02609
3729	652.8768	-112.6383	-0.02262	3729	653.6346	-109.9797	-0.03234	3729	656.6273	-112.6024	-0.03627	3729	653.5512	-110.8014	-0.02281	3729	653.6464	-119.4311	-0.02606
3730	653.051	-112.7106	-0.02268	3730	653.7706	-110.0227	-0.03235	3730	656.7774	-112.6388	-0.03622	3730	653.7396	-110.836	-0.02284	3730	653.816	-119.477	-0.02612
3731	653.2349	-112.7732	-0.02274	3731	653.9477	-110.0767	-0.03247	3731	656.9824	-112.6726	-0.03636	3731	653.9059	-110.8705	-0.02277	3731	654.0064	-119.5171	-0.02613
3732	653.4064	-112.8403	-0.02269	3732	654.1233	-110.1291	-0.03248	3732	657.135	-112.7021	-0.03644	3732	654.0616	-110.901	-0.02272	3732	654.1741	-119.5565	-0.02613
3733	653.553	-112.9035	-0.02265	3733	654.3007	-110.1803	-0.03238	3733	657.3034	-112.7407	-0.03638	3733	654.2296	-110.9368	-0.02284	3733	654.33	-119.5909	-0.02608
3734	653.721	-112.9756	-0.02274	3734	654.4462	-110.2273	-0.03238	3734	657.4439	-112.7758	-0.03629	3734	654.4203	-110.9695	-0.02293	3734	654.486	-119.6308	-0.02614
3735	653.9098	-113.0445	-0.02278	3735	654.6186	-110.2806	-0.03235	3735	657.657	-112.8184	-0.03633	3735	654.589	-111.0013	-0.02291	3735	654.6789	-119.6683	-0.02623
3736	654.0783	-113.113	-0.02275	3736	654.7929	-110.3331	-0.03254	3736	657.8101	-112.8521	-0.03644	3736	654.7471	-111.0266	-0.02286	3736	654.8461	-119.7043	-0.02619
3737	654.2293	-113.1779	-0.02271	3737	654.9712	-110.3862	-0.03244	3737	657.9746	-112.8917	-0.03638	3737	654.8987	-111.0573	-0.02292	3737	655.0078	-119.7432	-0.02612
3738	654.395	-113.2481	-0.02276	3738	655.1293	-110.4335	-0.03241	3738	658.1222	-112.9274	-0.03629	3738	655.0982	-111.086	-0.02301	3738	655.1589	-119.7679	-0.02615
3739	654.5801	-113.3162	-0.02284	3739	655.2855	-110.4877	-0.03254	3739	658.3233	-112.975	-0.03634	3739	655.2643	-111.1137	-0.02296	3739	655.354	-119.8021	-0.02625
3740	654.7467	-113.3836	-0.02281	3740	655.4695	-110.542	-0.0326	3740	658.4819	-113.0108	-0.03641	3740	655.4257	-111.1365	-0.02281	3740	655.5165	-119.8364	-0.02626
3741	654.9048	-113.4438	-0.02274	3741	655.648	-110.5986	-0.03255	3741	658.65	-113.0498	-0.03642	3741	655.5765	-111.161	-0.02282	3741	655.6859	-119.8632	-0.0262
3742	655.0553	-113.5125	-0.0228	3742	655.8013	-110.6449	-0.03247	3742	658.8059	-113.0845	-0.03629	3742	655.774	-111.1866	-0.02291	3742	655.8353	-119.8938	-0.02621
3743	655.2524	-113.5802	-0.02286	3743	655.9575	-110.7	-0.03259	3743	658.9855	-113.129	-0.03631	3743	655.9333	-111.2123	-0.02294	3743	656.0272	-119.9299	-0.02631
3744	655.4186	-113.6478	-0.02285	3744	656.1419	-110.753	-0.03269	3744	659.1678	-113.1626	-0.03648	3744	656.1072	-111.2341	-0.02284	3744	656.1919	-119.9609	-0.02636
3745	655.5822	-113.7101	-0.02278	3745	656.3098	-110.8041	-0.03264	3745	659.327	-113.1989	-0.03649	3745	656.2534	-111.2596	-0.02282	3745	656.3621	-119.9917	-0.0263
3746	655.7358	-113.777	-0.0228	3746	656.479	-110.8493	-0.03256	3746	659.4832	-113.2318	-0.03643	3746	656.4469	-111.2899	-0.02294	3746	656.5061	-120.0261	-0.02627
3747	655.9271	-113.8414	-0.02288	3747	656.6265	-110.9004	-0.0326	3747	659.6567	-113.2748	-0.03645	3747	656.6104	-111.3184	-0.02297	3747	656.6998	-120.0676	-0.02637
3748	656.0897	-113.9058	-0.02291	3748	656.8112	-110.9528	-0.03269	3748	659.8462	-113.3107	-0.03659	3748	656.783	-111.3463	-0.02289	3748	656.8654	-120.1031	-0.0264
3749	656.2642	-113.9631	-0.02283	3749	656.9854	-111.0057	-0.03264	3749	659.9947	-113.3489	-0.03663	3749	656.9247	-111.375	-0.02282	3749	657.0405	-120.1425	-0.02635
3750	656.4504	-114.0214	-0.02284	3750	657.1576	-111.0525	-0.03251	3750	660.1617	-113.3839	-0.03654	3750	657.1199	-111.4142	-0.02288	3750	657.1855	-120.1801	-0.02629
3751	656.5961	-114.0818	-0.02292	3751	657.2993	-111.1062	-0.03254	3751	660.3259	-113.4279	-0.03648	3751	657.2857	-111.4432	-0.02295	3751	657.3711	-120.2252	-0.02636
3752	656.7678	-114.1392	-0.02295	3752	657.4897	-111.1592	-0.03267	3752	660.5201	-113.4655	-0.03663	3752	657.4885	-111.4782	-0.0229	3752	657.5421	-120.2627	-0.02638
3753	656.9383	-114.1935	-0.02288	3753	657.6603	-111.2106	-0.03264	3753	660.706	-113.5061	-0.03671	3753	657.6055	-111.508	-0.02282	3753	657.7137	-120.3046	-0.02633
3754	657.0789	-114.247	-0.02286	3754	657.8318	-111.257	-0.03257	3754	660.8386	-113.5391	-0.03658	3754	657.7838	-111.5476	-0.02291	3754	657.8623	-120.3415	-0.02627
3755	657.2749	-114.3061	-0.02294	3755	657.972	-111.3039	-0.03263	3755	660.9897	-113.5808	-0.03652	3755	657.9602	-111.5798	-0.0229	3755	658.0406	-120.3862	-0.02636
3756	657.439	-114.3587	-0.02297	3756	658.1559	-111.3554	-0.03281	3756	661.1971	-113.6173	-0.03663	3756	658.1326	-111.6161	-0.02293	3756	658.2233	-120.424	-0.02644
3757	657.6163	-114.4132	-0.0229	3757	658.3248	-111.4015	-0.03284	3757	661.3414	-113.6511	-0.03671	3757	658.2865	-111.6474	-0.02285	3757	658.389	-120.4627	-0.02643
3758	657.7586	-114.4615	-0.02288	3758	658.5055	-111.4481	-0.03277	3758	661.5158	-113.6851	-0.03662	3758	658.4597	-111.6886	-0.02292	3758	658.5412	-120.4976	-0.02647
3759	657.937	-114.5187	-0.02297	3759	658.6447	-111.4872	-0.03275	3759	661.6643	-113.7236	-0.03649	3759	658.6417	-111.7206	-0.02303	3759	658.7117	-120.5411	-0.02644
3760	658.1184	-114.5704	-0.02301	3760	658.8219	-111.5387	-0.03289	3760	661.8711	-113.7601	-0.03653	3760	658.8037	-111.7557	-0.02299	3760	658.8973	-120.5772	-0.02653
3761	658.2864	-114.622	-0.02296	3761	659.0031	-111.5842	-0.03296	3761	662.0194	-113.7962	-0.03664	3761	658.961	-111.7857	-0.02288	3761	659.062	-120.6178	-0.02651
3762	658.4304	-114.6724	-0.0229	3762	659.1767	-111.6279	-0.03286	3762	662.1939	-113.8352	-0.03662	3762	659.1267	-111.8226	-0.02295	3762	659.2237	-120.6503	-0.02644
3763	658.6	-114.7312	-0.02297	3763	659.323	-111.6683	-0.03283	3763	662.3323	-113.8705	-0.03656	3763	659.3157	-111.8524	-0.02306	3763	659.3767	-120.6909	-0.02644
3764	658.788	-114.7867	-0.02301	3764	659.4937	-111.7181	-0.03298	3764	662.5397	-113.9179	-0.03661	3764	659.4755	-111.8836	-0.02307	3764	659.577	-120.7279	-0.02651
3765	658.9158	-114.8457	-0.02298	3765	659.6729	-111.7617	-0.03307	3765	662.6988	-113.9548	-0.03675	3765	659.6396	-111.9088	-0.02297	3765	659.7388	-120.7637	-0.02649
3766	659.111	-114.9009	-0.02292	3766	659.8455	-111.8074	-0.03303	3766	662.8599	-113.9948	-0.03679	3766	659.7947	-111.9415	-0.02295	3766	659.8997	-120.7962	-0.02642
3767	659.2733	-114.9633	-0.02297	3767	660.0009	-111.8483	-0.03295	3767	663.0134	-114.0368	-0.0367	3767	659.9984	-111.9695	-0.02309	3767	660.0604	-120.8328	-0.0264
3768	659.4638	-115.0244	-0.02303	3768	660.1584	-111.8951	-0.03307	3768	663.2116	-114.0834	-0.03671	3768	660.1544	-111.9963	-0.02313	3768	660.2589	-120.8688	-0.02649
3769	659.6257	-115.085	-0.02304	3769	660.3467	-111.9429	-0.03319	3769	663.3711	-114.1202	-0.03686	3769	660.3203	-112.0222	-0.02302	3769	660.4153	-120.9033	-0.02652
3770	659.7874	-115.1415	-0.02296	3770	660.5165	-111.9905	-0.03312	3770	663.5335	-114.161	-0.0369	3770	660.4721	-112.052	-0.02301	3770	660.5848	-120.9342	-0.02642
3771	659.9373	-115.203	-0.02297	3771	660.6739	-112.0309	-0.03301	3771	663.6906	-114.1946	-0.0368	3771	660.6744	-112.0805	-0.02312	3771	660.7302	-120.9686	-0.02642
3772	660.1356	-115.2638	-0.02305	3772	660.8291	-112.0801	-0.0331	3772	663.8754	-114.2373	-0.03678	3772	660.8236	-112.1126	-0.02316	3772	660.9243	-121.0066	-0.02649
3773	660.2955	-115.3258	-0.02304	3773	661.0203	-112.1279	-0.03322	3773	664.0549	-114.2714	-0.03693	3773	660.9991	-112.1408	-0.02311	3773	661.0863	-121.0416	-0.02654
3774	660.4619	-115.3815	-0.023	3774	661.1851	-112.1748	-0.0332	3774	664.2124	-114.3097	-0.03701	3774	661.1429	-112.172	-0.02303				

3836	670.9026	-118.993	-0.02354	3836	671.6069	-115.0638	-0.03388	3836	674.6244	-116.6926	-0.03731	3836	671.5355	-114.4635	-0.02339	3836	671.682	-123.6557	-0.02706
3837	671.047	-119.0404	-0.02349	3837	671.7834	-115.0987	-0.0338	3837	674.8016	-116.7020	-0.03729	3837	671.7433	-114.5057	-0.0234	3837	671.8327	-123.6869	-0.02698
3838	671.2421	-119.0957	-0.02357	3838	671.9231	-115.1343	-0.03372	3838	674.9599	-116.7566	-0.03716	3838	671.8892	-114.5391	-0.02351	3838	672.0278	-123.727	-0.02699
3839	671.4064	-119.1457	-0.0236	3839	672.1203	-115.1774	-0.03382	3839	675.167	-116.791	-0.03717	3839	672.0576	-114.5805	-0.02357	3839	672.1951	-123.7594	-0.02706
3840	671.5801	-119.1945	-0.02368	3840	672.285	-115.2156	-0.03388	3840	675.3023	-116.8261	-0.03728	3840	672.2156	-114.6162	-0.0235	3840	672.3594	-123.7953	-0.02706
3841	671.7227	-119.2402	-0.02345	3841	672.4548	-115.2567	-0.0338	3841	675.4791	-116.8628	-0.03729	3841	672.4101	-114.6567	-0.02343	3841	672.5155	-123.8252	-0.02699
3842	671.9145	-119.3001	-0.02348	3842	672.6016	-115.2934	-0.0337	3842	675.603	-116.9013	-0.03716	3842	672.5695	-114.6903	-0.02351	3842	672.6982	-123.8664	-0.02697
3843	672.0885	-119.3489	-0.02354	3843	672.7943	-115.3429	-0.03376	3843	675.8353	-116.9394	-0.03711	3843	672.7315	-114.731	-0.02355	3843	672.8737	-123.8999	-0.02708
3844	672.2522	-119.4061	-0.02351	3844	672.9576	-115.3856	-0.03386	3844	675.9785	-116.9734	-0.03722	3844	672.8898	-114.7626	-0.02347	3844	673.0338	-123.9374	-0.02713
3845	672.4094	-119.4588	-0.02381	3845	673.1254	-115.4338	-0.03381	3845	676.1511	-117.0136	-0.03726	3845	673.0811	-114.8028	-0.02347	3845	673.1934	-123.9703	-0.02710
3846	672.5809	-119.5184	-0.02352	3846	673.281	-115.4782	-0.0337	3846	676.3059	-117.0555	-0.03713	3846	673.2515	-114.832	-0.02346	3846	673.3676	-124.0115	-0.02706
3847	672.7632	-119.5758	-0.02364	3847	673.4574	-115.5342	-0.03374	3847	676.5084	-117.0995	-0.03704	3847	673.3982	-114.8686	-0.02355	3847	673.5526	-124.0458	-0.02714
3848	672.9272	-119.6344	-0.02366	3848	673.6385	-115.5843	-0.03386	3848	676.6589	-117.1331	-0.03719	3848	673.5669	-114.9004	-0.02348	3848	673.7042	-124.0865	-0.02721
3849	673.0864	-119.6889	-0.02359	3849	673.8065	-115.639	-0.03384	3849	676.8255	-117.178	-0.0373	3849	673.752	-114.9393	-0.02338	3849	673.8781	-124.1223	-0.02715
3850	673.2537	-119.747	-0.02362	3850	673.9568	-115.6897	-0.03373	3850	676.9793	-117.2204	-0.0372	3850	673.9294	-114.9688	-0.02338	3850	674.0359	-124.1635	-0.0271
3851	673.4473	-119.7965	-0.0237	3851	674.1306	-115.7513	-0.03374	3851	677.1719	-117.2609	-0.03711	3851	674.0733	-115.004	-0.0235	3851	674.2324	-124.2002	-0.02714
3852	673.6045	-119.8494	-0.02371	3852	674.3179	-115.8059	-0.03386	3852	677.3381	-117.3084	-0.03722	3852	674.2479	-115.0338	-0.02351	3852	674.3842	-124.2413	-0.02719
3853	673.7704	-119.8958	-0.02363	3853	674.4708	-115.8657	-0.03387	3853	677.4908	-117.3552	-0.03734	3853	674.4133	-115.0692	-0.02341	3853	674.5535	-124.2752	-0.02711
3854	673.9233	-119.949	-0.02362	3854	674.6354	-115.9201	-0.03379	3854	677.6516	-117.3978	-0.03731	3854	674.6086	-115.0982	-0.02341	3854	674.7098	-124.3161	-0.02706
3855	674.1184	-120.0016	-0.02368	3855	674.7976	-115.9855	-0.03377	3855	677.8425	-117.4499	-0.03719	3855	674.749	-115.1296	-0.02353	3855	674.9098	-124.3511	-0.02711
3856	674.274	-120.0606	-0.02373	3856	674.9899	-116.0401	-0.03392	3856	678.014	-117.4873	-0.03723	3856	674.9203	-115.1578	-0.02359	3856	675.0521	-124.3881	-0.02715
3857	674.4433	-120.1167	-0.02367	3857	675.1443	-116.0997	-0.03396	3857	678.1658	-117.5346	-0.03737	3857	675.0855	-115.1951	-0.02352	3857	675.2297	-124.4255	-0.02716
3858	674.5872	-120.1747	-0.02368	3858	675.309	-116.1545	-0.03388	3858	678.3345	-117.5763	-0.03735	3858	675.2837	-115.2247	-0.02353	3858	675.3803	-124.465	-0.02704
3859	674.7925	-120.2354	-0.02378	3859	675.4644	-116.2174	-0.03383	3859	678.5099	-117.6245	-0.03719	3859	675.4177	-115.2563	-0.02367	3859	675.5873	-124.5055	-0.02709
3860	674.9555	-120.2947	-0.02384	3860	675.6737	-116.2779	-0.03392	3860	678.6928	-117.6646	-0.0372	3860	675.5983	-115.2903	-0.02373	3860	675.7274	-124.5391	-0.02719
3861	675.1166	-120.3496	-0.02381	3861	675.8182	-116.333	-0.03399	3861	678.8309	-117.7106	-0.03734	3861	675.7553	-115.3245	-0.02368	3861	675.9056	-124.5805	-0.02718
3862	675.2621	-120.4063	-0.02379	3862	675.9893	-116.3891	-0.03394	3862	679.0004	-117.7523	-0.03735	3862	675.958	-115.3608	-0.02364	3862	676.0485	-124.6197	-0.02721
3863	675.4678	-120.4676	-0.02386	3863	676.1349	-116.4501	-0.03389	3863	679.1699	-117.8033	-0.03723	3863	676.1044	-115.3913	-0.02372	3863	676.256	-124.6642	-0.02713
3864	675.6242	-120.5288	-0.0239	3864	676.3402	-116.5104	-0.03398	3864	679.3468	-117.8478	-0.0372	3864	676.2748	-115.4282	-0.02379	3864	676.4085	-124.6987	-0.02721
3865	675.7967	-120.5906	-0.02385	3865	676.4888	-116.5691	-0.03408	3865	679.4999	-117.8931	-0.03731	3865	676.4332	-115.4606	-0.02371	3865	676.577	-124.7342	-0.02724
3866	675.9425	-120.6477	-0.02378	3866	676.662	-116.6264	-0.03403	3866	679.678	-117.9365	-0.03735	3866	676.6357	-115.4969	-0.02361	3866	676.7297	-124.7792	-0.02718
3867	676.1356	-120.7159	-0.02384	3867	676.8014	-116.6819	-0.03398	3867	679.8411	-117.9878	-0.03719	3867	676.7765	-115.5224	-0.0237	3867	676.9339	-124.8281	-0.02717
3868	676.304	-120.7744	-0.0239	3868	677.0079	-116.7472	-0.03404	3868	680.0376	-118.0353	-0.03717	3868	676.945	-115.5575	-0.02376	3868	677.0856	-124.8633	-0.02728
3869	676.4739	-120.8358	-0.02387	3869	677.163	-116.8035	-0.03413	3869	680.1748	-118.0788	-0.03728	3869	677.1086	-115.5887	-0.02374	3869	677.2495	-124.9061	-0.02732
3870	676.6176	-120.8996	-0.02382	3870	677.3273	-116.8638	-0.03409	3870	680.3538	-118.1272	-0.03739	3870	677.2972	-115.6246	-0.02367	3870	677.4049	-124.9426	-0.02729
3871	676.8094	-120.9547	-0.02388	3871	677.4736	-116.9198	-0.03401	3871	680.5405	-118.1737	-0.0373	3871	677.4526	-115.6539	-0.02373	3871	677.5922	-124.9901	-0.02729
3872	676.98	-121.0087	-0.02395	3872	677.6713	-116.9866	-0.03408	3872	680.7069	-118.2228	-0.03728	3872	677.6204	-115.6922	-0.02382	3872	677.7628	-125.0278	-0.02734
3873	677.1404	-121.0665	-0.02393	3873	677.8314	-117.0466	-0.03417	3873	680.849	-118.2634	-0.03742	3873	677.7777	-115.7261	-0.02383	3873	677.9238	-125.0714	-0.02734
3874	677.2967	-121.1169	-0.02386	3874	677.9992	-117.1096	-0.03415	3874	681.0177	-118.3122	-0.03753	3874	677.9712	-115.7661	-0.02373	3874	678.0806	-125.1054	-0.02737
3875	677.4741	-121.1767	-0.02386	3875	678.1511	-117.1653	-0.03404	3875	681.1843	-118.3561	-0.03751	3875	678.1375	-115.7951	-0.02373	3875	678.2593	-125.1523	-0.02734
3876	677.6568	-121.2291	-0.02393	3876	678.334	-117.2347	-0.03408	3876	681.3788	-118.4007	-0.03745	3876	678.2821	-115.8326	-0.02382	3876	678.4461	-125.1894	-0.0274
3877	677.8177	-121.2884	-0.02393	3877	678.5088	-117.2931	-0.0342	3877	681.5621	-118.4373	-0.03749	3877	678.4505	-115.8651	-0.0238	3877	678.5892	-125.2288	-0.02749
3878	677.9739	-121.3406	-0.02388	3878	678.6649	-117.3566	-0.0342	3878	681.6893	-118.481	-0.03764	3878	678.6392	-115.9005	-0.0237	3878	678.7631	-125.2665	-0.02747
3879	678.1378	-121.4068	-0.02387	3879	678.8167	-117.4142	-0.03413	3879	681.8528	-118.5213	-0.03761	3879	678.8044	-115.9251	-0.02362	3879	678.9307	-125.311	-0.02744
3880	678.3377	-121.4676	-0.02393	3880	678.9951	-117.4839	-0.03411	3880	682.0419	-118.5637	-0.03749	3880	678.9534	-115.9583	-0.02374	3880	679.1202	-125.3487	-0.02748
3881	678.4845	-121.5303	-0.02397	3881	679.1774	-117.5453	-0.03423	3881	682.212	-118.5977	-0.03753	3881	679.1253	-115.989	-0.02375	3881	679.2626	-125.3911	-0.02753
3882	678.653	-121.5913	-0.02392	3882	679.3278	-117.6119	-0.03423	3882	682.3574	-118.6386	-0.03764	3882	679.3021	-116.0256	-0.02368	3882	679.4363	-125.4293	-0.02751
3883	678.8133	-121.6577	-0.02391	3883	679.4939	-117.6713	-0.03413	3883	682.5258	-118.6798	-0.03762	3883	679.4821	-116.0559	-0.02363	3883	679.5907	-125.4555	-0.02742
3884	679.0087	-121.718	-0.02399	3884	679.6625	-117.74	-0.03411	3884	682.7125	-118.7266	-0.03742	3884	679.6257	-116.0933	-0.02375	3884	679.7969	-125.5161	-0.02742
3885	679.1615	-121.7787	-0.02405	3885	679.8497	-117.801	-0.0342	3885	682.8801	-118.7614	-0.0374	3885	679.7955	-116.1289	-0.02383	3885	679.9335	-125.5534	-0.02747
3886	679.3289	-121.8339	-0.024	3886	679.9977	-117.8644	-0.03427	3886	683.0215	-118.8044	-0.03744	3886	679.9738	-116.1729	-0.02379	3886	680.1069	-125.5942	-0.02748
3887	679.4729	-121.8943	-0.02397	3887	680.1678	-117.9244	-0.03422	3887	683.1967	-118.8466	-0.03742	3887	680.1603	-116.2106					

3949	689.8735	-125.6827	-0.02441	3949	690.5682	-121.365	-0.03481	3949	693.5856	-121.7754	-0.03782	3949	690.5286	-119.2636	-0.02407	3949	690.6534	-128.1799	-0.02794
3950	690.0872	-125.7577	-0.02441	3950	690.7244	-121.4256	-0.03473	3950	693.5786	-121.817	-0.03776	3950	690.6749	-119.3153	-0.02402	3950	690.8461	-128.2207	-0.02788
3951	690.2318	-125.8215	-0.02447	3951	690.9257	-121.4816	-0.03471	3951	693.5856	-121.8604	-0.03764	3951	690.8506	-119.3757	-0.02413	3951	690.994	-128.2552	-0.02793
3952	690.4038	-125.8949	-0.02448	3952	691.0618	-121.5373	-0.03483	3952	694.0826	-121.8958	-0.03765	3952	691.0316	-119.4309	-0.02422	3952	691.163	-128.2945	-0.02803
3953	690.5544	-125.9622	-0.02441	3953	691.2116	-121.5961	-0.03484	3953	694.2551	-121.9606	-0.03776	3953	691.2034	-119.487	-0.02415	3953	691.3234	-128.3323	-0.02802
3954	690.7481	-126.0378	-0.0244	3954	691.3916	-121.6538	-0.03476	3954	694.429	-121.9844	-0.03777	3954	691.3433	-119.5379	-0.0241	3954	691.5134	-128.3718	-0.02796
3955	690.9094	-126.102	-0.02446	3955	691.5969	-121.7156	-0.03475	3955	694.613	-122.028	-0.03764	3955	691.5203	-119.5987	-0.02416	3955	691.6636	-128.4029	-0.02797
3956	691.0721	-126.171	-0.02446	3956	691.7407	-121.7725	-0.03484	3956	694.7532	-122.0659	-0.03765	3956	691.7056	-119.6509	-0.02425	3956	691.8209	-128.442	-0.02806
3957	691.2332	-126.2343	-0.02439	3957	691.9118	-121.8329	-0.03493	3957	694.9224	-122.1127	-0.03776	3957	691.867	-119.7052	-0.02418	3957	691.9941	-128.4812	-0.02808
3958	691.4111	-126.3086	-0.02434	3958	692.0681	-121.8895	-0.03485	3958	695.0955	-122.1589	-0.03777	3958	692.0236	-119.7545	-0.02421	3958	692.1749	-128.5172	-0.02810
3959	691.5844	-126.3696	-0.02442	3959	692.2717	-121.9503	-0.0348	3959	695.2779	-122.2081	-0.03764	3959	692.1887	-119.8093	-0.02417	3959	692.3389	-128.5474	-0.02799
3960	691.7358	-126.4369	-0.02445	3960	692.418	-121.9999	-0.03489	3960	695.4343	-122.2507	-0.03755	3960	692.3773	-119.8584	-0.02423	3960	692.4974	-128.5871	-0.02808
3961	691.9042	-126.4959	-0.02437	3961	692.5824	-122.0566	-0.03499	3961	695.5902	-122.3004	-0.0377	3961	692.5423	-119.9111	-0.02424	3961	692.6688	-128.6248	-0.02812
3962	692.0821	-126.5657	-0.02436	3962	692.7409	-122.1102	-0.03494	3962	695.7708	-122.3438	-0.03778	3962	692.7043	-119.9552	-0.02413	3962	692.8473	-128.6655	-0.02809
3963	692.2604	-126.6239	-0.02444	3963	692.9312	-122.168	-0.03486	3963	695.9469	-122.3985	-0.03772	3963	692.8539	-120.0061	-0.02412	3963	693.019	-128.7014	-0.02807
3964	692.4119	-126.6869	-0.0245	3964	693.093	-122.2161	-0.03495	3964	696.1079	-122.4424	-0.03769	3964	693.0556	-120.0552	-0.02423	3964	693.1633	-128.7415	-0.02816
3965	692.5804	-126.7425	-0.02445	3965	693.2517	-122.2715	-0.03507	3965	696.2571	-122.4864	-0.03784	3965	693.2141	-120.1017	-0.02421	3965	693.3401	-128.7824	-0.0282
3966	692.7418	-126.8082	-0.02442	3966	693.4117	-122.3216	-0.03505	3966	696.4378	-122.5334	-0.03795	3966	693.2768	-120.1455	-0.02414	3966	693.5198	-128.825	-0.02817
3967	692.9385	-126.8663	-0.02446	3967	693.6008	-122.3804	-0.03495	3967	696.6904	-122.5822	-0.03789	3967	693.2886	-120.195	-0.02414	3967	693.6967	-128.8575	-0.02812
3968	693.0841	-126.9279	-0.02453	3968	693.7723	-122.4286	-0.03501	3968	696.7808	-122.6246	-0.03776	3968	693.7239	-120.2459	-0.02426	3968	693.8362	-128.8964	-0.02816
3969	693.2503	-126.9873	-0.02447	3969	693.915	-122.4858	-0.03511	3969	696.9258	-122.6726	-0.03784	3969	693.8844	-120.2986	-0.02432	3969	694.0162	-128.932	-0.0282
3970	693.4102	-127.0498	-0.0244	3970	694.0883	-122.5397	-0.03508	3970	697.1007	-122.7216	-0.03788	3970	694.0572	-120.3477	-0.02427	3970	694.1859	-128.973	-0.02817
3971	693.6124	-127.1066	-0.02445	3971	694.2667	-122.6018	-0.03495	3971	697.2738	-122.7732	-0.03779	3971	694.192	-120.3971	-0.02425	3971	694.3719	-129.0085	-0.02814
3972	693.751	-127.167	-0.02449	3972	694.4437	-122.6546	-0.03493	3972	697.4518	-122.8184	-0.0377	3972	694.3966	-120.4522	-0.02437	3972	694.5073	-129.0477	-0.02816
3973	693.9282	-127.2241	-0.02449	3973	694.5867	-122.7155	-0.03502	3973	697.5898	-122.8677	-0.03777	3973	694.5568	-120.5032	-0.02441	3973	694.6857	-129.0888	-0.02823
3974	694.0754	-127.2879	-0.02446	3974	694.761	-122.773	-0.03503	3974	697.7725	-122.9201	-0.03792	3974	694.727	-120.5505	-0.02433	3974	694.8547	-129.1307	-0.02821
3975	694.2851	-127.349	-0.02451	3975	694.9249	-122.8371	-0.03495	3975	697.9452	-122.9707	-0.03793	3975	694.8692	-120.597	-0.02428	3975	695.0476	-129.1735	-0.02816
3976	694.4276	-127.4076	-0.02462	3976	695.1135	-122.8951	-0.03493	3976	698.1203	-123.0211	-0.03784	3976	695.0711	-120.653	-0.02438	3976	695.1798	-129.2116	-0.02816
3977	694.6039	-127.4673	-0.02465	3977	695.2475	-122.9581	-0.03505	3977	698.2633	-123.07	-0.03785	3977	695.2278	-120.6985	-0.02444	3977	695.3574	-129.256	-0.02827
3978	694.7461	-127.528	-0.02462	3978	695.4219	-123.0197	-0.03512	3978	698.4398	-123.1254	-0.03796	3978	695.402	-120.7506	-0.02436	3978	695.5256	-129.2993	-0.02827
3979	694.9558	-127.5944	-0.02464	3979	695.5879	-123.0888	-0.03504	3979	698.6112	-123.1788	-0.03793	3979	695.5475	-120.796	-0.02429	3979	695.7081	-129.343	-0.02822
3980	695.1047	-127.6496	-0.02472	3980	695.7842	-123.1519	-0.03499	3980	698.7927	-123.2334	-0.03771	3980	695.7315	-120.8546	-0.02435	3980	695.8538	-129.3804	-0.02823
3981	695.2729	-127.713	-0.02473	3981	695.9166	-123.2147	-0.03508	3981	698.9315	-123.2798	-0.03757	3981	695.904	-120.9023	-0.02444	3981	696.0225	-129.4261	-0.02829
3982	695.425	-127.7704	-0.02465	3982	696.0969	-123.2801	-0.03512	3982	699.1012	-123.3327	-0.03762	3982	696.0712	-120.9555	-0.02442	3982	696.1964	-129.4691	-0.0283
3983	695.6228	-127.8366	-0.02464	3983	696.257	-123.3455	-0.03504	3983	699.2793	-123.3821	-0.03753	3983	696.22	-121.0066	-0.02432	3983	696.3837	-129.5136	-0.02822
3984	695.7831	-127.8913	-0.02472	3984	696.4542	-123.4099	-0.035	3984	699.4536	-123.4303	-0.03726	3984	696.3964	-121.0565	-0.02435	3984	696.5553	-129.5479	-0.02829
3985	695.9454	-127.9509	-0.02475	3985	696.593	-123.4676	-0.03508	3985	699.6057	-123.4712	-0.03707	3985	696.5774	-121.1034	-0.0245	3985	696.6945	-129.5916	-0.02825
3986	696.0942	-128.0037	-0.0247	3986	696.762	-123.535	-0.03518	3986	699.7667	-123.5192	-0.03714	3986	696.7328	-121.1553	-0.0245	3986	696.8737	-129.6298	-0.02828
3987	696.2861	-128.066	-0.02468	3987	696.9224	-123.5989	-0.03516	3987	699.9258	-123.5656	-0.03716	3987	696.8923	-121.2007	-0.02443	3987	697.0501	-129.6697	-0.02823
3988	696.4548	-128.1143	-0.02475	3988	697.1208	-123.6671	-0.03511	3988	700.1276	-123.6227	-0.03706	3988	697.0594	-121.2529	-0.02444	3988	697.2133	-129.7006	-0.02823
3989	696.6013	-128.1704	-0.02475	3989	697.2688	-123.7243	-0.0352	3989	700.2857	-123.6533	-0.03696	3989	697.2452	-121.2985	-0.02452	3989	697.3657	-129.7376	-0.0283
3990	696.764	-128.2211	-0.02472	3990	697.4305	-123.7894	-0.03532	3990	700.4418	-123.7027	-0.03711	3990	697.4061	-121.353	-0.02456	3990	697.5431	-129.77	-0.02834
3991	696.9469	-128.2836	-0.02469	3991	697.6007	-123.8547	-0.0353	3991	700.6235	-123.7523	-0.03726	3991	697.5698	-121.4007	-0.02443	3991	697.7218	-129.8055	-0.02829
3992	697.1245	-128.338	-0.02473	3992	697.7848	-123.9106	-0.03522	3992	700.7969	-123.803	-0.03724	3992	697.7216	-121.4642	-0.02436	3992	697.8887	-129.837	-0.02823
3993	697.2723	-128.4	-0.02479	3993	697.9403	-123.9603	-0.03529	3993	700.9584	-123.8436	-0.03714	3993	697.9186	-121.5194	-0.02445	3993	698.0335	-129.8653	-0.0283
3994	697.4429	-128.4579	-0.02476	3994	698.099	-124.0172	-0.03538	3994	701.1075	-123.8916	-0.03725	3994	698.0717	-121.5754	-0.02445	3994	698.2124	-129.8991	-0.02834
3995	697.6046	-128.5271	-0.02469	3995	698.267	-124.0673	-0.03539	3995	701.2909	-123.9371	-0.0374	3995	698.2385	-121.6274	-0.02438	3995	698.3863	-129.9355	-0.02829
3996	697.794	-128.5909	-0.02473	3996	698.435	-124.1203	-0.03529	3996	701.4581	-123.9841	-0.03741	3996	698.3914	-121.6865	-0.02433	3996	698.558	-129.9624	-0.02819
3997	697.9398	-128.6588	-0.02479	3997	698.6242	-124.1607	-0.03532	3997	701.6318	-124.0327	-0.03731	3997	698.5947	-121.7369	-0.02445	3997	698.7037	-129.9968	-0.02824
3998	698.1113	-128.7236	-0.02476	3998	698.7666	-124.2087	-0.03541	3998	701.7804	-124.0993	-0.03743	3998	698.7414	-121.7885	-0.02454	3998	698.8889	-130.0308	-0.02832
3999	698.2685	-128.7953	-0.02469	3999	698.9398	-124.2569	-0.03545	3999	701.9589	-124.1172	-0.03761	3999	698.9128	-121.8387	-0.02446	3999	699.058	-130.0662	-0.02831
4000	698.4698	-128.8595	-0.02471	4000	699.1199	-124.3082	-0.03532	4000	702.1297	-124.1637	-0.03762	4000	699.0546	-121.8958	-0.02442				

4062	708.8764	-132.3309	-0.02523	4062	709.4707	-127.9765	-0.03588	4062	712.4907	-127.5247	-0.03837	4062	709.4258	-125.5139	-0.02496	4062	709.6157	-132.8687	-0.02889
4063	709.0158	-132.3913	-0.02524	4063	709.6428	-128.0332	-0.0358	4063	712.6496	-127.5832	-0.03827	4063	709.6296	-125.5759	-0.02488	4063	709.7554	-132.9109	-0.02886
4064	709.1931	-132.4601	-0.02524	4064	709.7864	-128.0912	-0.03584	4064	712.8024	-127.6353	-0.03814	4064	709.7639	-125.6317	-0.02497	4064	709.8368	-132.9658	-0.02894
4065	709.3436	-132.5284	-0.02525	4065	709.9681	-128.152	-0.03593	4065	712.9744	-127.6979	-0.03822	4065	709.937	-125.6939	-0.02501	4065	710.1184	-133.0149	-0.02905
4066	709.5447	-132.5982	-0.02525	4066	710.135	-128.2081	-0.03596	4066	713.1521	-127.7513	-0.03834	4066	710.0977	-125.7535	-0.02496	4066	710.2765	-133.0644	-0.02901
4067	709.6899	-132.6625	-0.02525	4067	710.3164	-128.2634	-0.03583	4067	713.3164	-127.8084	-0.03828	4067	710.2899	-125.8156	-0.02486	4067	710.4275	-133.1088	-0.02894
4068	709.8539	-132.7325	-0.02526	4068	710.4512	-128.3115	-0.03584	4068	713.4768	-127.8602	-0.03822	4068	710.4374	-125.8726	-0.02492	4068	710.6027	-133.1628	-0.02896
4069	710.0115	-132.7986	-0.02525	4069	710.6346	-128.3716	-0.03593	4069	713.6559	-127.9199	-0.03823	4069	710.6053	-125.9345	-0.02501	4069	710.7853	-133.2094	-0.02903
4070	710.2092	-132.8641	-0.02525	4070	710.8153	-128.4234	-0.03594	4070	713.8275	-127.9719	-0.03834	4070	710.7643	-125.9941	-0.02499	4070	710.9491	-133.2587	-0.029
4071	710.3621	-132.9197	-0.02528	4071	710.9822	-128.478	-0.03586	4071	713.9829	-128.0288	-0.03835	4071	710.9607	-126.0561	-0.02494	4071	711.1014	-133.3026	-0.0289
4072	710.523	-132.9835	-0.02534	4072	711.1242	-128.5283	-0.03584	4072	714.1461	-128.0795	-0.03818	4072	711.1182	-126.1094	-0.025	4072	711.2643	-133.3553	-0.02891
4073	710.6832	-133.0428	-0.02533	4073	711.2958	-128.5894	-0.03596	4073	714.3023	-128.1357	-0.03813	4073	711.2744	-126.1705	-0.02509	4073	711.4595	-133.404	-0.02897
4074	710.8718	-133.1073	-0.02527	4074	711.4763	-128.6459	-0.03603	4074	714.5066	-128.1892	-0.03821	4074	711.4382	-126.227	-0.0251	4074	711.6171	-133.4522	-0.02898
4075	711.0344	-133.1616	-0.02523	4075	711.649	-128.7014	-0.03598	4075	714.6529	-128.2418	-0.03818	4075	711.6265	-126.2852	-0.025	4075	711.7797	-133.496	-0.0289
4076	711.1903	-133.2278	-0.02528	4076	711.8004	-128.7542	-0.03596	4076	714.819	-128.2925	-0.03805	4076	711.7833	-126.3384	-0.02501	4076	711.9334	-133.5469	-0.02891
4077	711.3522	-133.2873	-0.02538	4077	711.9573	-128.8154	-0.03605	4077	714.9658	-128.3451	-0.03803	4077	711.9417	-126.3983	-0.02509	4077	712.1383	-133.5937	-0.02897
4078	711.5402	-133.3557	-0.02531	4078	712.148	-128.8751	-0.03611	4078	715.1694	-128.398	-0.03817	4078	712.1099	-126.4561	-0.0251	4078	712.2844	-133.6405	-0.029
4079	711.7142	-133.414	-0.02532	4079	712.3228	-128.9367	-0.03601	4079	715.3192	-128.4517	-0.03822	4079	712.2922	-126.5181	-0.025	4079	712.4522	-133.685	-0.02895
4080	711.8588	-133.4798	-0.0254	4080	712.472	-128.9921	-0.03593	4080	715.4887	-128.4996	-0.03812	4080	712.465	-126.5708	-0.02498	4080	712.5947	-133.7319	-0.02893
4081	712.0341	-133.5411	-0.02541	4081	712.6328	-129.0548	-0.036	4081	715.6281	-128.5512	-0.0381	4081	712.6101	-126.6313	-0.02507	4081	712.8029	-133.7786	-0.029
4082	712.2119	-133.6038	-0.02533	4082	712.8187	-129.1142	-0.03606	4082	715.8346	-128.6081	-0.03824	4082	712.7839	-126.6885	-0.02508	4082	712.9559	-133.8254	-0.02904
4083	712.3937	-133.6576	-0.02532	4083	713.0032	-129.1745	-0.03601	4083	715.9846	-128.6585	-0.03829	4083	712.9653	-126.751	-0.02498	4083	713.1246	-133.8675	-0.02899
4084	712.5325	-133.7147	-0.02542	4084	713.1423	-129.2257	-0.03591	4084	716.1551	-128.7128	-0.03823	4084	713.1439	-126.803	-0.02493	4084	713.2634	-133.9139	-0.02897
4085	712.7062	-133.7653	-0.02545	4085	713.2945	-129.2803	-0.03597	4085	716.2973	-128.764	-0.03817	4085	713.2799	-126.8593	-0.02502	4085	713.4746	-133.9629	-0.02904
4086	712.875	-133.8189	-0.02538	4086	713.4848	-129.339	-0.03609	4086	716.494	-128.8261	-0.03825	4086	713.4601	-126.9149	-0.02508	4086	713.6274	-134.0095	-0.0291
4087	713.07	-133.8642	-0.02536	4087	713.6502	-129.3949	-0.03607	4087	716.6574	-128.8785	-0.03826	4087	713.6267	-126.973	-0.02501	4087	713.7972	-134.0568	-0.02907
4088	713.2001	-133.9133	-0.02542	4088	713.8151	-129.4432	-0.03594	4088	716.8247	-128.9358	-0.03827	4088	713.814	-127.0259	-0.02496	4088	713.939	-134.1027	-0.02903
4089	713.3772	-133.9658	-0.02549	4089	713.9526	-129.498	-0.03597	4089	716.9696	-128.9882	-0.03817	4089	713.9473	-127.0788	-0.02505	4089	714.1373	-134.1569	-0.02908
4090	713.545	-134.0176	-0.02544	4090	714.1555	-129.5568	-0.03607	4090	717.1556	-129.0502	-0.03825	4090	714.1234	-127.1335	-0.02514	4090	714.2966	-134.2009	-0.02916
4091	713.738	-134.0692	-0.0254	4091	714.3226	-129.6144	-0.03605	4091	717.33	-129.1057	-0.0384	4091	714.2902	-127.1917	-0.02509	4091	714.4659	-134.2486	-0.02915
4092	713.9376	-134.1199	-0.02546	4092	714.4926	-129.6699	-0.03599	4092	717.4866	-129.1623	-0.03834	4092	714.4835	-127.249	-0.02502	4092	714.6142	-134.2883	-0.02907
4093	714.0494	-134.1788	-0.02555	4093	714.635	-129.7238	-0.03597	4093	717.6434	-129.2155	-0.03824	4093	714.6444	-127.3028	-0.02508	4093	714.7946	-134.3372	-0.0291
4094	714.208	-134.2343	-0.02551	4094	714.8216	-129.7824	-0.03612	4094	717.8226	-129.277	-0.03829	4094	714.7884	-127.3631	-0.02517	4094	714.9711	-134.376	-0.02919
4095	714.4069	-134.2907	-0.02546	4095	714.9798	-129.8396	-0.03616	4095	717.9998	-129.3305	-0.03843	4095	714.9601	-127.4234	-0.02515	4095	715.1317	-134.4175	-0.02917
4096	714.5493	-134.3434	-0.0255	4096	715.1556	-129.8986	-0.03608	4096	718.1604	-129.3878	-0.03844	4096	715.1417	-127.4879	-0.02505	4096	715.2794	-134.4549	-0.02912
4097	714.7147	-134.4047	-0.02557	4097	715.2968	-129.9558	-0.03606	4097	718.3176	-129.4369	-0.03835	4097	715.2847	-127.545	-0.02505	4097	715.4644	-134.5046	-0.02912
4098	714.8812	-134.4636	-0.02553	4098	715.4836	-130.02	-0.03621	4098	718.4764	-129.474	-0.03833	4098	715.4554	-127.6095	-0.02514	4098	715.6423	-134.546	-0.02921
4099	715.0747	-134.5251	-0.02546	4099	715.6566	-130.077	-0.03625	4099	718.6173	-129.5284	-0.03847	4099	715.6163	-127.674	-0.02512	4099	715.8015	-134.5963	-0.02921
4100	715.2222	-134.5793	-0.02549	4100	715.8238	-130.1374	-0.03614	4100	718.8224	-129.6012	-0.03851	4100	715.804	-127.7408	-0.02505	4100	715.9572	-134.6425	-0.02914
4101	715.3898	-134.6399	-0.02553	4101	715.9685	-130.1976	-0.03606	4101	718.9827	-129.6526	-0.03842	4101	715.9525	-127.8018	-0.02508	4101	716.125	-134.6973	-0.0291
4102	715.5518	-134.696	-0.02552	4102	716.1477	-130.2646	-0.03616	4102	719.142	-129.7091	-0.03836	4102	716.1118	-127.869	-0.0252	4102	716.3178	-134.7453	-0.02919
4103	715.7386	-134.7586	-0.02545	4103	716.322	-130.3268	-0.03619	4103	719.3366	-129.7609	-0.03847	4103	716.287	-127.9371	-0.02523	4103	716.4698	-134.7986	-0.02924
4104	715.894	-134.8084	-0.02545	4104	716.4957	-130.3917	-0.03612	4104	719.4811	-129.8153	-0.03855	4104	716.4688	-128.0055	-0.02516	4104	716.6308	-134.8444	-0.02916
4105	716.0469	-134.866	-0.02551	4105	716.6429	-130.4536	-0.03601	4105	719.652	-129.8698	-0.03846	4105	716.6217	-128.0674	-0.02514	4105	716.7875	-134.8968	-0.02913
4106	716.2105	-134.9223	-0.02552	4106	716.8035	-130.5212	-0.03613	4106	719.8	-129.9302	-0.03843	4106	716.7765	-128.1339	-0.02523	4106	716.9883	-134.9404	-0.02921
4107	716.4003	-134.9834	-0.02545	4107	716.9918	-130.5841	-0.03622	4107	720.0049	-129.9803	-0.03854	4107	716.9521	-128.2006	-0.02529	4107	717.1318	-134.9868	-0.02928
4108	716.5768	-135.0376	-0.02541	4108	717.1555	-130.6483	-0.03615	4108	720.1506	-130.0482	-0.03862	4108	717.1324	-128.2677	-0.02516	4108	717.3303	-135.0301	-0.02922
4109	716.7168	-135.0983	-0.02548	4109	717.3079	-130.707	-0.0361	4109	720.3237	-130.104	-0.03856	4109	717.2972	-128.3265	-0.02512	4109	717.4553	-135.0797	-0.02917
4110	716.8955	-135.1586	-0.0255	4110	717.4669	-130.7744	-0.03613	4110	720.4599	-130.1647	-0.03844	4110	717.4417	-128.3898	-0.02523	4110	717.6553	-135.1242	-0.02923
4111	717.0688	-135.2252	-0.02543	4111	717.6645	-130.8367	-0.0362	4111	720.6274	-130.2286	-0.03848	4111	717.624	-128.453	-0.02532	4111	717.8038	-135.1692	-0.0293
4112	717.2432	-135.2867	-0.02542	4112	717.8163	-130.8986	-0.03618	4112	720.8132	-130.2811	-0.03859	4112	717.7971	-128.5169	-0.02525	4112	717.9778	-135.2139	-0.02928
4113	717.382	-135.3537	-0.02548	4113	717.9789	-130.9557	-0.03604	4113	720.9814	-130.3413	-0.03853	4113	717.9698	-128.5729	-0.02517	4113			

4175	727.7479	-139.0312	-0.02588	4175	728.327	-134.3514	-0.03655	4175	731.3034	-133.7011	-0.03938	4175	728.2939	-132.3302	-0.0259	4175	728.4651	-138.5553	-0.02943
4176	727.9301	-139.0877	-0.02592	4176	728.4819	-134.4287	-0.03645	4176	731.4641	-133.7554	-0.03929	4176	728.4365	-132.3831	-0.02585	4176	728.6684	-138.6096	-0.02939
4177	728.1057	-139.1401	-0.02591	4177	728.6802	-134.4958	-0.03651	4177	731.6553	-133.8169	-0.03916	4177	728.6405	-132.4366	-0.02594	4177	728.8041	-138.6533	-0.02946
4178	728.2838	-139.1888	-0.02584	4178	728.8236	-134.5665	-0.03646	4178	731.8161	-133.8668	-0.03927	4178	728.7917	-132.4905	-0.026	4178	728.9779	-138.7079	-0.02952
4179	728.42	-139.2349	-0.02584	4179	728.9938	-134.6346	-0.03655	4179	731.9708	-133.9233	-0.03935	4179	728.961	-132.5445	-0.02596	4179	729.1367	-138.7591	-0.02947
4180	728.5997	-139.2897	-0.02591	4180	729.1438	-134.7075	-0.03645	4180	732.1291	-133.9704	-0.03929	4180	729.0986	-132.5962	-0.02585	4180	729.3303	-138.8153	-0.02941
4181	728.7763	-139.3393	-0.02591	4181	729.3488	-134.7738	-0.03651	4181	732.3146	-134.0277	-0.03917	4181	729.3045	-132.6601	-0.02589	4181	729.4782	-138.8644	-0.02948
4182	728.9542	-139.3874	-0.02584	4182	729.4799	-134.8385	-0.03663	4182	732.4875	-134.0698	-0.03927	4182	729.4606	-132.7156	-0.02601	4182	729.6487	-138.9204	-0.02956
4183	729.0981	-139.4282	-0.02583	4183	729.6611	-134.9067	-0.03664	4183	732.634	-134.1178	-0.03935	4183	729.6268	-132.7793	-0.02596	4183	729.8031	-138.9737	-0.02955
4184	729.2628	-139.4759	-0.02591	4184	729.8048	-134.974	-0.03653	4184	732.8037	-134.1585	-0.0393	4184	729.7708	-132.8381	-0.02588	4184	729.9976	-139.0322	-0.02948
4185	729.4465	-139.5237	-0.02593	4185	730.0062	-135.0444	-0.03651	4185	732.9794	-134.2063	-0.03917	4185	729.9675	-132.9065	-0.02592	4185	730.1521	-139.0807	-0.02952
4186	729.6248	-139.5735	-0.02588	4186	730.1519	-135.1078	-0.0366	4186	733.1632	-134.2455	-0.03918	4186	730.1261	-132.9656	-0.02601	4186	730.3062	-139.1364	-0.02959
4187	729.7734	-139.6163	-0.02585	4187	730.3194	-135.1807	-0.03661	4187	733.3009	-134.2914	-0.03932	4187	730.2889	-133.0295	-0.02604	4187	730.474	-139.1877	-0.02957
4188	729.9362	-139.6695	-0.02591	4188	730.4667	-135.2548	-0.03651	4188	733.4709	-134.3365	-0.0393	4188	730.445	-133.0877	-0.02594	4188	730.6641	-139.2423	-0.0295
4189	730.1204	-139.7263	-0.02597	4189	730.6782	-135.3372	-0.03649	4189	733.6393	-134.3915	-0.03917	4189	730.6258	-133.1552	-0.02595	4189	730.8221	-139.2857	-0.0295
4190	730.2879	-139.7843	-0.02594	4190	730.8262	-135.4099	-0.03661	4190	733.8335	-134.4418	-0.03918	4190	730.799	-133.2105	-0.02609	4190	730.9697	-139.3356	-0.02959
4191	730.4496	-139.837	-0.02591	4191	730.9898	-135.4912	-0.03664	4191	733.965	-134.4979	-0.03929	4191	730.9593	-133.2725	-0.02613	4191	731.1447	-139.3816	-0.02959
4192	730.6115	-139.8959	-0.02595	4192	731.1425	-135.5644	-0.03654	4192	734.1415	-134.5537	-0.03933	4192	731.1138	-133.3268	-0.02605	4192	731.3202	-139.4309	-0.0295
4193	730.7927	-139.9543	-0.02601	4193	731.3377	-135.6405	-0.03652	4193	734.2989	-134.6156	-0.03921	4193	731.2921	-133.3899	-0.02606	4193	731.4972	-139.4733	-0.0295
4194	730.9683	-140.0165	-0.02594	4194	731.4957	-135.7064	-0.03669	4194	734.4953	-134.6726	-0.03912	4194	731.4714	-133.4443	-0.0262	4194	731.6384	-139.5218	-0.02959
4195	731.1343	-140.0682	-0.02587	4195	731.6559	-135.7756	-0.03679	4195	734.635	-134.7288	-0.03923	4195	731.6204	-133.4998	-0.02627	4195	731.807	-139.5702	-0.02961
4196	731.279	-140.1226	-0.02591	4196	731.8146	-135.8374	-0.03671	4196	734.8126	-134.7885	-0.03927	4196	731.7849	-133.5493	-0.02616	4196	731.9847	-139.626	-0.02954
4197	731.4656	-140.1759	-0.02596	4197	732.0002	-135.9071	-0.03666	4197	734.9629	-134.8465	-0.03918	4197	731.9491	-133.6102	-0.02615	4197	732.1699	-139.6776	-0.02953
4198	731.6425	-140.2294	-0.02592	4198	732.1689	-135.9675	-0.03675	4198	735.163	-134.908	-0.03908	4198	732.1372	-133.662	-0.02623	4198	732.3036	-139.7312	-0.02963
4199	731.8078	-140.2733	-0.02587	4199	732.3137	-136.0325	-0.03685	4199	735.3066	-134.9607	-0.03919	4199	732.2839	-133.7159	-0.0263	4199	732.4762	-139.7837	-0.02967
4200	731.9531	-140.3203	-0.02592	4200	732.4744	-136.0952	-0.03674	4200	735.4576	-135.0214	-0.03931	4200	732.4498	-133.762	-0.02625	4200	732.6459	-139.8433	-0.02962
4201	732.1445	-140.3671	-0.02602	4201	732.6616	-136.1641	-0.03666	4201	735.6276	-135.0794	-0.03925	4201	732.6108	-133.8191	-0.02617	4201	732.8336	-139.8988	-0.02957
4202	732.3076	-140.4129	-0.02602	4202	732.8351	-136.2234	-0.0367	4202	735.8276	-135.1405	-0.03915	4202	732.8091	-133.8677	-0.02626	4202	732.97	-139.9527	-0.02963
4203	732.4834	-140.4559	-0.02597	4203	732.9819	-136.2928	-0.03679	4203	735.9716	-135.1945	-0.03923	4203	732.9482	-133.9178	-0.02635	4203	733.1505	-140.007	-0.0297
4204	732.6267	-140.499	-0.02597	4204	733.1529	-136.3568	-0.03677	4204	736.1369	-135.2552	-0.03934	4204	733.1216	-133.9661	-0.0263	4204	733.3103	-140.0638	-0.02964
4205	732.808	-140.5485	-0.02606	4205	733.3168	-136.4296	-0.03667	4205	736.2922	-135.3103	-0.03924	4205	733.2765	-134.0215	-0.02623	4205	733.5073	-140.1185	-0.02959
4206	732.9835	-140.5961	-0.02606	4206	733.5076	-136.4991	-0.0367	4206	736.4813	-135.372	-0.03919	4206	733.4734	-134.0704	-0.02627	4206	733.6423	-140.1665	-0.02963
4207	733.1641	-140.6441	-0.02599	4207	733.6502	-136.5699	-0.03685	4207	736.645	-135.4238	-0.03927	4207	733.6144	-134.1261	-0.02635	4207	733.812	-140.2211	-0.02972
4208	733.296	-140.6899	-0.02598	4208	733.8167	-136.6371	-0.03683	4208	736.8035	-135.4838	-0.03945	4208	733.788	-134.1802	-0.0263	4208	733.9797	-140.2748	-0.02971
4209	733.4814	-140.7483	-0.02604	4209	733.9778	-136.712	-0.03673	4209	736.9648	-135.5412	-0.03953	4209	733.9349	-134.2366	-0.02621	4209	734.1716	-140.3261	-0.02963
4210	733.6535	-140.8021	-0.02605	4210	734.1738	-136.7773	-0.03673	4210	737.147	-135.6029	-0.03937	4210	734.1433	-134.294	-0.02619	4210	734.3147	-140.3728	-0.0297
4211	733.8242	-140.8582	-0.02597	4211	734.3077	-136.8437	-0.03682	4211	737.3142	-135.6576	-0.03938	4211	734.2836	-134.3449	-0.02623	4211	734.4797	-140.4247	-0.02978
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4213	734.1437	-140.9787	-0.02602	4213	734.6395	-136.9836	-0.03676	4213	737.6269	-135.7808	-0.03953	4213	734.6	-134.4631	-0.02621	4213	734.8327	-140.5293	-0.02971
4214	734.3203	-141.0319	-0.02605	4214	734.8395	-137.0504	-0.03668	4214	737.8018	-135.8483	-0.03937	4214	734.8045	-134.5242	-0.02619	4214	734.9986	-140.5771	-0.02972
4215	734.489	-141.0821	-0.02601	4215	734.9752	-137.1173	-0.03677	4215	737.9813	-135.9096	-0.03927	4215	734.9461	-134.5799	-0.02628	4215	735.1469	-140.631	-0.02982
4216	734.642	-141.1302	-0.02598	4216	735.1517	-137.1874	-0.03683	4216	738.1237	-135.9782	-0.03946	4216	735.1182	-134.6451	-0.02631	4216	735.3201	-140.6817	-0.02983
4217	734.8065	-141.193	-0.02606	4217	735.3021	-137.2575	-0.03673	4217	738.2961	-136.0404	-0.03946	4217	735.273	-134.7086	-0.02621	4217	735.5048	-140.7369	-0.02976
4218	734.9864	-141.2523	-0.02611	4218	735.5031	-137.3298	-0.03665	4218	738.4628	-136.1126	-0.03937	4218	735.469	-134.7778	-0.02611	4218	735.6597	-140.7842	-0.02974
4219	735.1644	-141.3114	-0.02605	4219	735.645	-137.3932	-0.03674	4219	738.6327	-136.1752	-0.03931	4219	735.6246	-134.8378	-0.0262	4219	735.8097	-140.8369	-0.0298
4220	735.3236	-141.3686	-0.026	4220	735.813	-137.4652	-0.03684	4220	738.822	-136.2356	-0.03942	4220	735.7843	-134.906	-0.02626	4220	735.9832	-140.8895	-0.02985
4221	735.4818	-141.4254	-0.02606	4221	735.9673	-137.5366	-0.03682	4221	738.9579	-136.2961	-0.03953	4221	735.9381	-134.9691	-0.02619	4221	736.1609	-140.9431	-0.02978
4222	735.6703	-141.4922	-0.02613	4222	736.164	-137.6102	-0.03674	4222	739.1223	-136.3577	-0.03941	4222	736.1304	-135.0374	-0.02614	4222	736.3311	-140.9913	-0.02972
4223	735.8332	-141.539	-0.02613	4223	736.3079	-137.6784	-0.03683	4223	739.3102	-136.4151	-0.03942	4223	736.2927	-135.0918	-0.02623	4223	736.4784	-141.0446	-0.02981
4224	735.9984	-141.5744	-0.02608	4224	736.471	-137.7578	-0.03692	4224	739.4458	-136.4692	-0.03946	4224	736.4423	-135.1577	-0.02632	4224	736.6508	-141.0974	-0.02985
4225	736.1442	-141.6098	-0.02612	4225	736.6314	-137.8298	-0.03688	4225	739.6297	-136.5299	-0.03947	4225	736.6048	-135.2161	-0.02627	4225	736.8257	-141.154	-0.02978
4226	736.3373	-141.6446	-0.02621	4226	736.8196	-137.9081	-0.0368	4226	739.7869	-136.5884	-0.03938	4226	736.7938	-135.2844					

4288	746.6992	-145.1139	-0.02636	4288	747.1515	-141.5495	-0.03699	4288	750.1168	-140.1565	-0.03988	4288	747.1295	-138.555	-0.02695	4288	747.2976	-144.8523	-0.03006
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4291	747.1658	-145.2954	-0.02632	4291	747.6419	-141.7096	-0.0371	4291	750.6001	-140.3362	-0.03985	4291	747.6321	-138.7236	-0.02706	4291	747.7906	-145.0149	-0.03013
4292	747.3259	-145.356	-0.0264	4292	747.8163	-141.7669	-0.03702	4292	750.7939	-140.3942	-0.03992	4292	747.8029	-138.7837	-0.02701	4292	747.9617	-145.067	-0.03008
4293	747.5169	-145.4129	-0.02644	4293	747.9712	-141.8191	-0.03697	4293	750.9599	-140.4577	-0.03983	4293	747.9628	-138.8393	-0.02693	4293	748.1015	-145.1168	-0.03005
4294	747.6917	-145.475	-0.02639	4294	748.127	-141.8745	-0.03707	4294	751.1123	-140.5171	-0.0397	4294	748.1083	-138.8996	-0.027	4294	748.2907	-145.1773	-0.03011
4295	747.833	-145.5354	-0.02632	4295	748.3119	-141.9312	-0.03713	4295	751.2688	-140.5851	-0.03974	4295	748.2979	-138.9653	-0.02708	4295	748.4596	-145.2279	-0.03016
4296	748.0396	-145.6012	-0.02636	4296	748.4771	-141.9863	-0.03711	4296	751.4558	-140.6527	-0.03986	4296	748.4625	-139.0287	-0.02712	4296	748.6269	-145.2835	-0.03014
4297	748.1947	-145.6564	-0.02647	4297	748.642	-142.0348	-0.03703	4297	751.6199	-140.7224	-0.0398	4297	748.6362	-139.0885	-0.02705	4297	748.7679	-145.3323	-0.03011
4298	748.3609	-145.7067	-0.02641	4298	748.7882	-142.0886	-0.0371	4298	751.7846	-140.7874	-0.0397	4298	748.7747	-139.1515	-0.02705	4298	748.9506	-145.3952	-0.03019
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4300	748.7103	-145.8068	-0.02636	4300	749.1484	-142.202	-0.0372	4300	752.1215	-140.9264	-0.03989	4300	749.1265	-139.2817	-0.0272	4300	749.2871	-145.5021	-0.03024
4301	748.8732	-145.8524	-0.02644	4301	749.3238	-142.2535	-0.03706	4301	752.2903	-140.9981	-0.03994	4301	749.297	-139.3403	-0.02716	4301	749.4401	-145.5545	-0.03019
4302	749.0374	-145.8983	-0.02649	4302	749.4603	-142.3078	-0.03713	4302	752.452	-141.059	-0.03981	4302	749.4343	-139.396	-0.02711	4302	749.6115	-145.6169	-0.03023
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4308	750.0366	-146.1721	-0.02646	4308	750.4819	-142.6488	-0.03714	4308	753.4473	-141.4273	-0.03987	4308	750.4602	-139.7693	-0.02729	4308	750.6223	-145.9645	-0.03033
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4310	750.3727	-146.2601	-0.02655	4310	750.7982	-142.7586	-0.03696	4310	753.7928	-141.5441	-0.03978	4310	750.7785	-139.9042	-0.02717	4310	750.9301	-146.0775	-0.03024
4311	750.5394	-146.3063	-0.0265	4311	750.9785	-142.8217	-0.03706	4311	753.931	-141.597	-0.03969	4311	750.9427	-139.9805	-0.02723	4311	751.1272	-146.134	-0.0303
4312	750.7069	-146.364	-0.02647	4312	751.1588	-142.8775	-0.03712	4312	754.1097	-141.6653	-0.03987	4312	751.132	-140.0502	-0.02732	4312	751.2809	-146.1926	-0.03033
4313	750.8982	-146.4142	-0.02655	4313	751.3209	-142.9375	-0.03702	4313	754.2848	-141.7174	-0.03994	4313	751.2946	-140.1189	-0.02727	4313	751.4482	-146.2471	-0.03025
4314	751.0488	-146.4712	-0.02659	4314	751.4691	-142.9968	-0.03697	4314	754.4506	-141.7734	-0.03985	4314	751.452	-140.1798	-0.02717	4314	751.5932	-146.3095	-0.0302
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4318	751.7235	-146.6978	-0.02661	4318	752.1461	-143.2459	-0.03708	4318	755.1151	-141.9852	-0.03986	4318	752.1239	-140.3911	-0.02731	4318	752.2525	-146.5542	-0.03022
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4320	752.0465	-146.8081	-0.02649	4320	752.4956	-143.3696	-0.0372	4320	755.4286	-142.0927	-0.0397	4320	752.4736	-140.4742	-0.02746	4320	752.6111	-146.6845	-0.03035
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4327	753.2416	-147.1659	-0.02658	4327	753.6404	-143.774	-0.03718	4327	756.6096	-142.5333	-0.0398	4327	753.6006	-140.7594	-0.02735	4327	753.7851	-147.1313	-0.03029
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4333	754.2528	-147.4697	-0.02648	4333	754.6528	-144.1415	-0.03734	4333	757.6205	-142.8972	-0.03986	4333	754.6202	-141.1199	-0.02743	4333	754.7733	-147.4723	-0.03038
4334	754.4122	-147.5077	-0.02654	4334	754.8201	-144.2022	-0.03726	4334	757.7706	-142.954	-0.0399	4334	754.7846	-141.1932	-0.0274	4334	754.9322	-147.5206	-0.03029
4335	754.5709	-147.5596	-0.02657	4335	754.9625	-144.263	-0.03724	4335	757.9401	-143.0113	-0.03977	4335	754.9272	-141.2604	-0.02743	4335	755.1004	-147.5791	-0.03028
4336	754.7259	-147.6081	-0.02651	4336	755.1641	-144.3307	-0.03736	4336	758.0805	-143.0689	-0.03968	4336	755.1216	-141.3382	-0.02731	4336	755.2876	-147.6294	-0.03036
4337	754.9133	-147.6702	-0.02648	4337	755.3182	-144.3918	-0.03745	4337	758.2796	-143.133	-0.03979	4337	755.2797	-141.4079	-0.0274	4337	755.4404	-147.685	-0.03038
4338	755.0905	-147.7255	-0.02652	4338	755.4931	-144.4527	-0.03738	4338	758.4452	-143.191	-0.0399	4338	755.4502	-141.4801	-0.02729	4338	755.6002	-147.735	-0.03033
4339	755.2383	-147.7874	-0.02659	4339	755.6301	-144.505	-0.03733	4339	758.6131	-143.248	-0.03988	4339	755.6013	-141.5437	-0.				

4401	765.6162	-150.8969	-0.02672	4401	765.9595	-147.7996	-0.03755	4401	768.9321	-146.5837	-0.04056	4401	765.9242	-145.141	-0.0277	4401	766.0928	-151.01	-0.03059
4402	765.7855	-150.9316	-0.02675	4402	766.1711	-147.8521	-0.03756	4402	769.0857	-146.6284	-0.04043	4402	766.1224	-145.1929	-0.02758	4402	766.2595	-151.0491	-0.03057
4403	765.9721	-150.9687	-0.02669	4403	766.3107	-147.8992	-0.03768	4403	769.2898	-146.6808	-0.04037	4403	766.2604	-145.2349	-0.02761	4403	766.3979	-151.0975	-0.03062
4404	766.1399	-150.9925	-0.0267	4404	766.4798	-147.9507	-0.03771	4404	769.4399	-146.7206	-0.04055	4404	766.4224	-145.283	-0.02775	4404	766.5734	-151.1459	-0.03067
4405	766.2888	-151.0159	-0.02678	4405	766.6365	-148.005	-0.03764	4405	769.6003	-146.7708	-0.0406	4405	766.5889	-145.33	-0.02776	4405	766.7574	-151.1946	-0.03063
4406	766.46	-151.0371	-0.0268	4406	766.8366	-148.061	-0.03765	4406	769.7511	-146.8156	-0.0405	4406	766.777	-145.3761	-0.02766	4406	766.9263	-151.2365	-0.0306
4407	766.636	-151.0629	-0.02675	4407	766.9772	-148.1097	-0.03774	4407	769.9419	-146.8669	-0.04041	4407	766.9294	-145.4168	-0.02767	4407	767.0667	-151.2829	-0.03066
4408	766.8122	-151.0841	-0.02672	4408	767.1508	-148.169	-0.0378	4408	770.1045	-146.9089	-0.04052	4408	767.0888	-145.4702	-0.02778	4408	767.2057	-151.3254	-0.03071
4409	766.9542	-151.1097	-0.02678	4409	767.3009	-148.2211	-0.03775	4409	770.2608	-146.9599	-0.04063	4409	767.2607	-145.5162	-0.02779	4409	767.4052	-151.3741	-0.03067
4410	767.1357	-151.1379	-0.02679	4410	767.4965	-148.2764	-0.03777	4410	770.4233	-147.0035	-0.04057	4410	767.4427	-145.5679	-0.02769	4410	767.592	-151.4177	-0.03064
4411	767.3064	-151.1763	-0.02672	4411	767.6498	-148.3212	-0.03777	4411	770.6108	-147.0605	-0.04045	4411	767.6045	-145.612	-0.02764	4411	767.7271	-151.4636	-0.0307
4412	767.4887	-151.2114	-0.02666	4412	767.8067	-148.3736	-0.03783	4412	770.7871	-147.1036	-0.04052	4412	767.7524	-145.6643	-0.02776	4412	767.9044	-151.5101	-0.03075
4413	767.6221	-151.2557	-0.02671	4413	767.9605	-148.4195	-0.03778	4413	770.9274	-147.154	-0.04067	4413	767.9235	-145.7146	-0.02782	4413	768.0743	-151.562	-0.03072
4414	767.7988	-151.3	-0.02677	4414	768.1527	-148.472	-0.03774	4414	771.1014	-147.2004	-0.04068	4414	768.1061	-145.7666	-0.02772	4414	768.2558	-151.6104	-0.03064
4415	767.9681	-151.3498	-0.02674	4415	768.3168	-148.5145	-0.03774	4415	771.2793	-147.253	-0.04055	4415	768.2676	-145.8123	-0.0277	4415	768.3872	-151.659	-0.03071
4416	768.154	-151.3941	-0.02666	4416	768.4643	-148.5691	-0.03783	4416	771.4601	-147.295	-0.04056	4416	768.413	-145.8653	-0.02781	4416	768.5693	-151.7116	-0.03077
4417	768.2935	-151.4427	-0.02673	4417	768.6353	-148.6233	-0.03781	4417	771.6008	-147.3394	-0.04071	4417	768.5939	-145.9154	-0.0279	4417	768.7339	-151.7613	-0.03076
4418	768.4687	-151.497	-0.02681	4418	768.8161	-148.6837	-0.03771	4418	771.7736	-147.3794	-0.04078	4418	768.7645	-145.9638	-0.02783	4418	768.9213	-151.8095	-0.03068
4419	768.637	-151.5533	-0.02678	4419	768.9899	-148.7356	-0.03775	4419	771.9359	-147.4266	-0.04066	4419	768.9377	-146.008	-0.02776	4419	769.0623	-151.8475	-0.03071
4420	768.8292	-151.6094	-0.02674	4420	769.1375	-148.7965	-0.03784	4420	772.1	-147.4671	-0.04063	4420	769.0798	-146.0561	-0.02779	4420	769.233	-151.89	-0.03079
4421	768.9666	-151.6616	-0.02679	4421	769.3013	-148.8483	-0.03784	4421	772.2621	-147.5089	-0.04074	4421	769.2584	-146.104	-0.02785	4421	769.4064	-151.9308	-0.03078
4422	769.1497	-151.7214	-0.02685	4422	769.4824	-148.9061	-0.03777	4422	772.4363	-147.5507	-0.04082	4422	769.4334	-146.1521	-0.02781	4422	769.5958	-151.969	-0.0307
4423	769.3181	-151.7733	-0.02685	4423	769.6664	-148.9544	-0.03775	4423	772.596	-147.5982	-0.0407	4423	769.6111	-146.1943	-0.02768	4423	769.7383	-151.9997	-0.03069
4424	769.5064	-151.8265	-0.0268	4424	769.8035	-149.0053	-0.03784	4424	772.7983	-147.6424	-0.04063	4424	769.7473	-146.2418	-0.02771	4424	769.9068	-152.0398	-0.03078
4425	769.6461	-151.8715	-0.02685	4425	769.9758	-149.0501	-0.03785	4425	772.9259	-147.6847	-0.04075	4425	769.9367	-146.2908	-0.02778	4425	770.0855	-152.0765	-0.03078
4426	769.8214	-151.9161	-0.02693	4426	770.1493	-149.1012	-0.03772	4426	773.11	-147.7262	-0.04086	4426	770.1068	-146.3369	-0.02778	4426	770.2598	-152.1145	-0.03071
4427	769.985	-151.9578	-0.02695	4427	770.3322	-149.1408	-0.03766	4427	773.2651	-147.7633	-0.04077	4427	770.2828	-146.3812	-0.02765	4427	770.4198	-152.1416	-0.03067
4428	770.1741	-151.9977	-0.0269	4428	770.4742	-149.1834	-0.03773	4428	773.4669	-147.7987	-0.04071	4428	770.4236	-146.4245	-0.02766	4428	770.5709	-152.1738	-0.03074
4429	770.3215	-152.0305	-0.02689	4429	770.6516	-149.2204	-0.03773	4429	773.6025	-147.8255	-0.04082	4429	770.6044	-146.4736	-0.02772	4429	770.7508	-152.2038	-0.03076
4430	770.4814	-152.0712	-0.02695	4430	770.814	-149.2606	-0.03766	4430	773.7477	-147.8557	-0.04093	4430	770.7743	-146.5178	-0.0277	4430	770.9306	-152.2333	-0.03069
4431	770.6575	-152.1095	-0.02697	4431	771.0145	-149.2957	-0.03761	4431	773.9288	-147.8864	-0.04084	4431	770.9564	-146.5619	-0.0276	4431	771.0927	-152.2516	-0.03063
4432	770.8454	-152.1543	-0.0269	4432	771.1481	-149.3322	-0.0377	4432	774.1252	-147.9235	-0.04071	4432	771.0958	-146.6017	-0.02755	4432	771.2413	-152.2804	-0.0307
4433	771.0075	-152.1952	-0.02687	4433	771.3261	-149.3599	-0.0378	4433	774.2684	-147.9528	-0.04079	4433	771.263	-146.6498	-0.02767	4433	771.4268	-152.309	-0.03074
4434	771.168	-152.2375	-0.02693	4434	771.4934	-149.3938	-0.03772	4434	774.4318	-147.9951	-0.0409	4434	771.4437	-146.6959	-0.02768	4434	771.6016	-152.3412	-0.03071
4435	771.3516	-152.2739	-0.02698	4435	771.6927	-149.4264	-0.03759	4435	774.599	-148.0387	-0.04087	4435	771.6185	-146.7412	-0.0276	4435	771.7672	-152.3691	-0.03067
4436	771.5254	-152.3074	-0.02693	4436	771.8239	-149.4515	-0.03765	4436	774.7846	-148.0849	-0.04078	4436	771.7592	-146.7808	-0.02755	4436	771.9126	-152.4019	-0.03072
4437	771.6934	-152.3284	-0.02687	4437	771.9949	-149.4824	-0.03771	4437	774.9376	-148.1233	-0.04086	4437	771.934	-146.8304	-0.02767	4437	772.0975	-152.4375	-0.03075
4438	771.8388	-152.3501	-0.02693	4438	772.1594	-149.5131	-0.03767	4438	775.1022	-148.1694	-0.041	4438	772.1108	-146.8686	-0.02773	4438	772.2675	-152.4724	-0.03077
4439	772.0205	-152.3664	-0.02698	4439	772.3502	-149.5435	-0.03759	4439	775.2612	-148.2138	-0.04102	4439	772.2831	-146.907	-0.02766	4439	772.4421	-152.5011	-0.03068
4440	772.2015	-152.3848	-0.02693	4440	772.4926	-149.5688	-0.03765	4440	775.4515	-148.263	-0.04089	4440	772.4353	-146.9386	-0.02761	4440	772.5818	-152.5359	-0.03072
4441	772.372	-152.396	-0.02689	4441	772.6614	-149.6029	-0.03777	4441	775.6159	-148.3015	-0.0409	4441	772.5917	-146.974	-0.02776	4441	772.7674	-152.5714	-0.03079
4442	772.512	-152.4159	-0.02696	4442	772.8263	-149.6351	-0.03781	4442	775.7651	-148.3456	-0.04104	4442	772.7766	-147.0113	-0.02784	4442	772.9414	-152.6065	-0.03077
4443	772.6999	-152.4386	-0.027	4443	773.0131	-149.6713	-0.03773	4443	775.9381	-148.3894	-0.04109	4443	772.9475	-147.0532	-0.02777	4443	773.1141	-152.6333	-0.0307
4444	772.8699	-152.4589	-0.02697	4444	773.1693	-149.7002	-0.03774	4444	776.1143	-148.4355	-0.04096	4444	773.0974	-147.0899	-0.02772	4444	773.2456	-152.6556	-0.03072
4445	773.049	-152.4776	-0.02691	4445	773.3205	-149.7393	-0.03786	4445	776.2933	-148.466	-0.04093	4445	773.2517	-147.1355	-0.02778	4445	773.4327	-152.6839	-0.03079
4446	773.1971	-152.4985	-0.02694	4446	773.494	-149.7768	-0.03787	4446	776.4739	-148.5082	-0.04108	4446	773.4422	-147.1846	-0.02787	4446	773.6013	-152.7051	-0.03078
4447	773.3807	-152.52	-0.02702	4447	773.6762	-149.8184	-0.03776	4447	776.6165	-148.5411	-0.04116	4447	773.603	-147.231	-0.02783	4447	773.7748	-152.7241	-0.03072
4448	773.5518	-152.5411	-0.02701	4448	773.835	-149.8582	-0.03774	4448	776.7831	-148.5765	-0.04106	4448	773.7692	-147.2731	-0.02775	4448	773.9133	-152.7389	-0.03071
4449	773.7334	-152.5614	-0.02696	4449	773.9866	-149.9064	-0.03783	4449	776.9657	-148.6027	-0.04097	4449	773.9222	-147.3172	-0.02779	4449	774.0897	-152.7655	-0.03081
4450	773.8683	-152.5771	-0.02694	4450	774.1603	-149.9584	-0.03787	4450	777.1055	-148.6311	-0.04112	4450	774.1103	-147.3605	-0.02788	4450	774.2648	-152.7945	-0.03084
4451	774.0471	-152.6041	-0.02702	4451	774.3351	-150.014	-0.03771	4451	777.2475	-148.6546	-0.04116	4451	774.2784	-147.4095	-0.02789	4451	774.4441	-152.8315	-0.03078
4452	774.2218	-152.6304	-0.02703	4452	774.5054	-150.0623	-0.03763	4452	777.4562	-148.6827	-0.0411	4452	774.4464	-147.4477	-0.02781	4452</			

4514	784.7163	-153.3814	-0.03307	4514	784.7908	-152.5927	-0.0378	4514	787.7895	-151.9198	-0.04165	4514	784.7673	-149.9009	-0.02805	4514	784.9186	-155.66	-0.03076
4515	784.8774	-153.418	-0.03306	4515	784.9503	-152.6555	-0.03781	4515	787.952	-151.9877	-0.04155	4515	784.9401	-149.9793	-0.02795	4515	785.1232	-155.7297	-0.03075
4516	785.0209	-153.4504	-0.033	4516	785.1464	-152.7141	-0.03795	4516	788.0895	-152.0512	-0.04152	4516	785.1316	-150.0459	-0.02796	4516	785.278	-155.7885	-0.03081
4517	785.2119	-153.4989	-0.03305	4517	785.301	-152.7794	-0.03793	4517	788.2847	-152.1195	-0.04164	4517	785.2681	-150.1183	-0.02807	4517	785.4336	-155.8555	-0.03082
4518	785.3688	-153.5377	-0.03311	4518	785.4604	-152.8422	-0.03786	4518	788.3991	-152.1725	-0.04175	4518	785.4458	-150.1878	-0.02811	4518	785.5878	-155.9137	-0.03075
4519	785.5372	-153.5873	-0.0331	4519	785.6138	-152.9103	-0.03781	4519	788.6119	-152.2277	-0.04166	4519	785.611	-150.2603	-0.02801	4519	785.782	-155.9844	-0.03073
4520	785.6876	-153.6289	-0.033	4520	785.8151	-152.9743	-0.03793	4520	788.7559	-152.2742	-0.04156	4520	785.803	-150.3178	-0.02799	4520	785.9448	-156.0422	-0.03082
4521	785.8633	-153.6901	-0.03303	4521	785.9548	-153.0367	-0.03799	4521	788.9414	-152.3297	-0.04164	4521	785.9421	-150.3725	-0.02805	4521	786.1018	-156.1042	-0.03088
4522	786.0438	-153.7422	-0.03313	4522	786.1271	-153.0973	-0.03789	4522	789.12	-152.3776	-0.04172	4522	786.119	-150.42	-0.02808	4522	786.254	-156.1585	-0.03083
4523	786.1988	-153.8026	-0.03314	4523	786.2744	-153.1604	-0.03781	4523	789.2896	-152.4275	-0.0417	4523	786.2705	-150.4712	-0.02798	4523	786.4321	-156.2263	-0.03081
4524	786.3548	-153.8564	-0.03308	4524	786.4728	-153.216	-0.03793	4524	789.4312	-152.4701	-0.04157	4524	786.474	-150.5136	-0.02791	4524	786.6169	-156.2828	-0.0309
4525	786.5267	-153.9228	-0.03309	4525	786.6274	-153.2671	-0.03802	4525	789.6174	-152.5216	-0.04161	4525	786.6069	-150.5524	-0.0279	4525	786.7582	-156.3428	-0.03095
4526	786.7104	-153.9789	-0.03317	4526	786.7994	-153.3141	-0.03794	4526	789.7961	-152.5661	-0.04172	4526	786.7782	-150.5993	-0.02806	4526	786.9244	-156.3985	-0.03087
4527	786.8594	-154.0413	-0.03318	4527	786.9334	-153.3636	-0.0379	4527	789.9495	-152.6136	-0.0417	4527	786.9341	-150.6455	-0.02796	4527	787.0967	-156.4608	-0.03082
4528	787.02	-154.0985	-0.03309	4528	787.1494	-153.4143	-0.03796	4528	790.1003	-152.6537	-0.04157	4528	787.1394	-150.6951	-0.02788	4528	787.2781	-156.5159	-0.03086
4529	787.1816	-154.1607	-0.03307	4529	787.2937	-153.4587	-0.03805	4529	790.2729	-152.7036	-0.04161	4529	787.2745	-150.742	-0.02794	4529	787.4244	-156.5742	-0.03091
4530	787.3713	-154.2203	-0.03313	4530	787.4638	-153.5082	-0.03797	4530	790.4578	-152.7458	-0.04173	4530	787.4423	-150.7965	-0.02803	4530	787.5907	-156.6264	-0.03085
4531	787.5242	-154.2849	-0.03314	4531	787.6051	-153.5567	-0.03787	4531	790.619	-152.7926	-0.04177	4531	787.6014	-150.8501	-0.02799	4531	787.7556	-156.687	-0.0308
4532	787.6887	-154.3449	-0.03307	4532	787.8131	-153.6115	-0.03788	4532	790.7781	-152.8345	-0.04164	4532	787.7928	-150.9061	-0.02789	4532	787.9475	-156.741	-0.03084
4533	787.8399	-154.4168	-0.03303	4533	787.9612	-153.6574	-0.038	4533	790.9432	-152.8832	-0.04165	4533	787.9466	-150.9571	-0.02795	4533	788.0894	-156.7994	-0.03093
4534	788.0249	-154.4852	-0.0331	4534	788.1266	-153.71	-0.03798	4534	791.1427	-152.9272	-0.0418	4534	788.1135	-151.0116	-0.02803	4534	788.2578	-156.8504	-0.03089
4535	788.1833	-154.5553	-0.03312	4535	788.2706	-153.7553	-0.03784	4535	791.2936	-152.9744	-0.04184	4535	788.2719	-151.0671	-0.02802	4535	788.4219	-156.9135	-0.03082
4536	788.3513	-154.6237	-0.03303	4536	788.4755	-153.8167	-0.03788	4536	791.4582	-153.0171	-0.04171	4536	788.4635	-151.1229	-0.02791	4536	788.6194	-156.9674	-0.03081
4537	788.5068	-154.698	-0.033	4537	788.639	-153.8655	-0.038	4537	791.613	-153.0636	-0.04165	4537	788.616	-151.1722	-0.02792	4537	788.7521	-157.024	-0.03085
4538	788.7084	-154.7653	-0.03306	4538	788.8019	-153.9188	-0.03804	4538	791.8124	-153.1111	-0.0418	4538	788.7796	-151.2311	-0.02804	4538	788.9244	-157.0785	-0.03086
4539	788.8599	-154.8273	-0.0331	4539	788.9471	-153.9606	-0.03796	4539	791.9153	-153.1403	-0.04188	4539	788.9455	-151.285	-0.02805	4539	789.0795	-157.1373	-0.03076
4540	789.0267	-154.8847	-0.03305	4540	789.144	-154.0115	-0.03791	4540	792.1295	-153.1788	-0.04178	4540	789.1351	-151.3418	-0.02795	4540	789.2814	-157.192	-0.03073
4541	789.1767	-154.9422	-0.033	4541	789.3034	-154.0485	-0.03806	4541	792.2744	-153.2148	-0.04172	4541	789.289	-151.3911	-0.02792	4541	789.4175	-157.243	-0.03081
4542	789.3734	-154.9984	-0.03304	4542	789.4606	-154.086	-0.03812	4542	792.476	-153.2496	-0.04184	4542	789.4487	-151.4501	-0.02804	4542	789.5993	-157.2993	-0.03086
4543	789.5216	-155.0455	-0.0331	4543	789.6255	-154.1166	-0.03804	4543	792.6231	-153.2878	-0.04195	4543	789.6196	-151.5026	-0.0281	4543	789.7526	-157.3541	-0.0308
4544	789.6901	-155.0942	-0.03309	4544	789.8038	-154.1584	-0.038	4544	792.7827	-153.3228	-0.04185	4544	789.8044	-151.5575	-0.02803	4544	789.9544	-157.4119	-0.03077
4545	789.8307	-155.1415	-0.03304	4545	789.9743	-154.1934	-0.03809	4545	792.9287	-153.3611	-0.04173	4545	789.9733	-151.5998	-0.02801	4545	790.1022	-157.4614	-0.03083
4546	790.0438	-155.196	-0.03308	4546	790.1296	-154.2392	-0.03813	4546	793.1378	-153.337	-0.04181	4546	790.1132	-151.6462	-0.02813	4546	790.2642	-157.5176	-0.03088
4547	790.184	-155.2438	-0.03314	4547	790.2907	-154.2773	-0.03805	4547	793.2834	-153.4418	-0.04188	4547	790.291	-151.6903	-0.02819	4547	790.4233	-157.5715	-0.03084
4548	790.3517	-155.3002	-0.03315	4548	790.4658	-154.3318	-0.03798	4548	793.4556	-153.4773	-0.04186	4548	790.4742	-151.7305	-0.02811	4548	790.6207	-157.626	-0.03077
4549	790.4957	-155.3532	-0.03308	4549	790.6055	-154.3794	-0.03807	4549	793.6088	-153.5066	-0.0417	4549	790.6393	-151.7615	-0.02809	4549	790.7591	-157.6709	-0.03083
4550	790.6909	-155.4169	-0.03305	4550	790.7943	-154.4338	-0.03813	4550	793.8061	-153.5374	-0.04174	4550	790.7809	-151.7968	-0.0281	4550	790.9269	-157.7245	-0.03092
4551	790.8511	-155.4709	-0.03307	4551	790.9619	-154.4842	-0.03808	4551	793.9587	-153.5684	-0.04192	4551	790.9634	-151.8312	-0.02824	4551	791.0639	-157.776	-0.03086
4552	791.0113	-155.5227	-0.03304	4552	791.1353	-154.5416	-0.03803	4552	794.1277	-153.6442	-0.04193	4552	791.1354	-151.8651	-0.02817	4552	791.2799	-157.8305	-0.03081
4553	791.1633	-155.5882	-0.03293	4553	791.3215	-154.5925	-0.03812	4553	794.2703	-153.7447	-0.04183	4553	791.3088	-151.8939	-0.02809	4553	791.4337	-157.876	-0.03086
4554	791.3615	-155.6547	-0.03286	4554	791.4634	-154.6452	-0.03819	4554	794.4714	-153.8126	-0.04181	4554	791.4458	-151.9278	-0.02816	4554	791.5938	-157.9336	-0.03092
4555	791.5319	-155.7061	-0.0329	4555	791.6344	-154.6922	-0.03814	4555	794.6292	-153.8626	-0.04196	4555	791.6263	-151.9679	-0.02825	4555	791.7508	-157.9869	-0.03091
4556	791.6874	-155.7625	-0.03289	4556	791.7924	-154.7414	-0.03806	4556	794.7866	-153.9173	-0.042	4556	791.8024	-152.0083	-0.02817	4556	791.943	-158.0468	-0.03081
4557	791.8413	-155.8102	-0.03281	4557	791.9925	-154.7847	-0.03807	4557	794.9377	-153.9624	-0.04187	4557	791.9719	-152.0465	-0.02804	4557	792.1039	-158.0952	-0.03082
4558	792.026	-155.8682	-0.0328	4558	792.1319	-154.8311	-0.03816	4558	795.1307	-154.0153	-0.04182	4558	792.1084	-152.0889	-0.0281	4558	792.2516	-158.1555	-0.0309
4559	792.1965	-155.9118	-0.03288	4559	792.3009	-154.8769	-0.03814	4559	795.296	-154.0655	-0.04196	4559	792.2902	-152.1386	-0.02819	4559	792.4155	-158.2118	-0.03089
4560	792.3441	-155.9652	-0.03295	4560	792.4565	-154.931	-0.03801	4560	795.4539	-154.0989	-0.04201	4560	792.4566	-152.1851	-0.02814	4560	792.5984	-158.274	-0.0308
4561	792.5036	-156.0192	-0.03291	4561	792.6552	-154.9817	-0.03799	4561	795.6122	-154.1327	-0.04188	4561	792.6357	-152.2344	-0.02807	4561	792.7628	-158.3259	-0.03078
4562	792.6754	-156.0396	-0.03286	4562	792.7932	-155.0351	-0.03808	4562	795.7905	-154.1789	-0.04182	4562	792.7719	-152.2813	-0.02808	4562	792.9147	-158.3877	-0.03087
4563	792.8599	-156.0752	-0.03292	4563	792.9741	-155.0923	-0.03809	4563	795.9695	-154.2191	-0.04196	4563	792.9475	-152.3373	-0.0282	4563	793.0835	-158.4447	-0.03089
4564	793.0054	-156.1124	-0.03297	4564	793.1238	-155.148	-0.03798	4564	796.1169	-154.2642	-0.04204	4564	793.122	-152.3904	-0.02823	4564	793.2586	-158.5067	-0.03082
4565	793.1729	-156.1453	-0.03291	4565	793.2628	-155.205	-0.03796	4565	796.28	-154.3016	-0.04195	4565	793.2979	-152.4465	-0.0281	4565			

Figure 4. DSC curves of PPAs

PPU				PPSA				PPSI				PPST				PPSY			
Temp./°C	Time/min	DSC/(mW/mg)	Sensit./(uV/mW)	Temp./°C	Time/min	DSC/(mW/mg)	Sensit./(uV/mW)	Temp./°C	Time/min	DSC/(mW/mg)	Sensit./(uV/mW)	Temp./°C	Time/min	DSC/(mW/mg)	Sensit./(uV/mW)	Temp./°C	Time/min	DSC/(mW/mg)	Sensit./(uV/mW)
28.702	2.12077	0.16066	3.67001	22.107	0	0.46534	3.66595	20.012	0	0.42966	3.66442	21.87	0	0.8635	3.66578	20.679	0.30053	0.0279	3.66492
29.202	2.14617	0.30257	3.67027	22.607	0.55053	0.0687	3.66663	20.512	0.27529	-0.36831	3.66648	22.37	0.49728	0.15923	3.66611	21.179	0.35723	0.14247	3.66529
29.702	2.17309	0.43668	3.67052	23.107	0.63381	0.0913	3.66664	21.012	0.3299	-0.25791	3.66517	22.87	0.60306	0.2155	3.66648	21.679	0.4149	0.22158	3.66565
30.202	2.20224	0.55798	3.67077	23.607	0.7208	0.10816	3.66697	21.512	0.38329	-0.12615	3.66553	23.37	0.69444	0.23183	3.66682	22.179	0.47939	0.26069	3.666
30.702	2.23479	0.65753	3.67101	24.107	0.81442	0.11557	3.6673	22.012	0.44477	-0.43404	3.66588	23.87	0.7839	0.2276	3.66715	22.679	0.53768	0.26899	3.66635
31.202	2.27286	0.72342	3.67125	24.607	0.91426	0.11469	3.66762	22.512	0.50884	0.0941	3.66623	24.37	0.87618	0.21643	3.66747	23.179	0.61937	0.25047	3.66669
31.702	2.3084	0.73941	3.67148	25.107	1.01719	0.10641	3.66794	33.012	0.58346	0.14901	3.66657	24.87	0.97262	0.20603	3.66779	23.679	0.70273	0.21558	3.66702
32.202	2.38979	0.66288	3.6717	25.607	1.11997	0.0996	3.66825	23.512	0.67471	0.15014	3.66691	25.37	1.07225	0.20052	3.66841	24.179	0.80997	0.18641	3.66735
32.702	2.50851	0.4211	3.67191	26.107	1.22128	0.0948	3.66855	24.012	0.78181	0.11301	3.66724	25.87	1.17308	0.20008	3.66824	24.679	0.92176	0.17554	3.66767
33.202	2.63336	0.20693	3.67212	26.607	1.32133	0.092	3.66884	24.512	0.89221	0.0797	3.66756	26.37	1.27369	0.20158	3.6687	25.179	1.0361	0.17887	3.66798
33.702	2.76607	0.15543	3.67233	27.107	1.42076	0.0892	3.66913	25.012	0.99747	0.0653	3.66788	26.87	1.37371	0.2021	3.66899	25.679	1.12801	0.18509	3.66829
34.202	2.86273	0.15888	3.67252	27.607	1.52013	0.0867	3.66941	25.512	1.09812	0.0638	3.66819	27.37	1.47332	0.20238	3.66928	26.179	1.22947	0.1894	3.66859
34.702	2.95445	0.17505	3.67271	28.107	1.61971	0.082	3.66969	26.012	1.19679	0.067	3.66849	27.87	1.57282	0.20155	3.66956	26.679	1.32812	0.19116	3.66888
35.202	3.04611	0.18704	3.6729	28.607	1.71948	0.0784	3.66996	26.512	1.29539	0.0697	3.66879	28.37	1.67243	0.20064	3.66983	27.179	1.42728	0.19663	3.66917
35.702	3.13962	0.18961	3.67307	29.107	1.81938	0.0743	3.67022	27.012	1.39466	0.0697	3.66908	28.87	1.7719	0.19988	3.6701	27.679	1.52708	0.19938	3.66945
36.202	3.23514	0.18705	3.67324	29.607	1.91932	0.071	3.67048	27.512	1.49459	0.0681	3.66936	29.37	1.87205	0.19829	3.67036	28.179	1.62729	0.199	3.66973
36.702	3.33189	0.18246	3.67341	30.107	2.01924	0.0673	3.67072	28.012	1.59484	0.0656	3.66964	29.87	1.97196	0.19909	3.67061	28.679	1.72759	0.18856	3.67
37.202	3.42919	0.17928	3.67357	30.607	2.11916	0.0646	3.67097	28.512	1.69508	0.063	3.66991	30.37	2.07187	0.19814	3.67085	29.179	1.82811	0.18836	3.67026
37.702	3.5268	0.17777	3.67372	31.107	2.21907	0.0621	3.6712	29.012	1.79526	0.0616	3.67017	30.87	2.17179	0.19763	3.67109	29.679	1.92793	0.18889	3.67051
38.202	3.62485	0.17797	3.67386	31.607	2.31899	0.0598	3.67143	29.512	1.89537	0.0609	3.67043	31.37	2.27173	0.19723	3.67133	30.179	2.02799	0.18877	3.67076
38.702	3.72353	0.17729	3.674	32.107	2.41892	0.0573	3.67166	30.012	1.99543	0.0603	3.67068	31.87	2.37169	0.19619	3.67155	30.679	2.12805	0.18925	3.671
39.202	3.82293	0.17612	3.67413	32.607	2.51885	0.0545	3.67187	30.512	2.0955	0.0593	3.67092	32.37	2.47168	0.19607	3.67177	31.179	2.22814	0.18996	3.67124
39.702	3.92296	0.17446	3.67426	33.107	2.6188	0.0531	3.67208	31.012	2.19552	0.0585	3.67116	32.87	2.57168	0.19562	3.67199	31.679	2.32825	0.18969	3.67147
40.202	4.02343	0.17245	3.67438	33.607	2.71878	0.0511	3.67229	31.512	2.29554	0.0587	3.67139	33.37	2.67171	0.19533	3.67219	32.179	2.42835	0.18865	3.67169
40.702	4.12414	0.16989	3.67449	34.107	2.81877	0.0496	3.67249	32.012	2.39552	0.0583	3.67162	33.87	2.77182	0.19493	3.67239	32.679	2.52845	0.18815	3.6719
41.202	4.22496	0.16855	3.6746	34.607	2.9188	0.0485	3.67268	32.512	2.49547	0.0575	3.67183	34.37	2.87193	0.19409	3.67259	33.179	2.62843	0.18869	3.67211
41.702	4.32582	0.1677	3.6747	35.107	3.01883	0.0471	3.67286	33.012	2.5954	0.0575	3.67205	34.87	2.97201	0.19416	3.67278	33.679	2.7284	0.18853	3.67232
42.202	4.4267	0.16652	3.67479	35.607	3.11884	0.0463	3.67304	33.512	2.6953	0.0569	3.67225	35.37	3.07204	0.19361	3.67296	34.179	2.82837	0.18768	3.67251
42.702	4.5276	0.16574	3.67488	36.107	3.21884	0.0453	3.67321	34.012	2.7952	0.0571	3.67245	35.87	3.17202	0.19352	3.67313	34.679	2.92831	0.18781	3.6727
43.202	4.62848	0.1658	3.67496	36.607	3.31878	0.0445	3.67338	34.512	2.89515	0.0571	3.67264	36.37	3.27197	0.19375	3.6733	35.179	3.02824	0.18733	3.67289
43.702	4.72931	0.16447	3.67504	37.107	3.41872	0.0437	3.67354	35.012	2.99516	0.0565	3.67283	36.87	3.37191	0.19332	3.67346	35.679	3.12816	0.18716	3.67308
44.202	4.83009	0.16313	3.67511	37.607	3.5187	0.0434	3.67369	35.512	3.09522	0.0562	3.67301	37.37	3.47187	0.19267	3.67362	36.179	3.22829	0.18664	3.67324
44.702	4.93079	0.1625	3.67517	38.107	3.6187	0.0431	3.67384	36.012	3.19532	0.0553	3.67318	37.87	3.57187	0.19311	3.67377	36.679	3.32805	0.1863	3.6734
45.202	5.03143	0.16232	3.67523	38.607	3.71875	0.0433	3.67397	36.512	3.29544	0.0548	3.67335	38.37	3.67187	0.19249	3.67391	37.179	3.42811	0.18606	3.67356
45.702	5.13202	0.16188	3.67528	39.107	3.81882	0.0433	3.67411	37.012	3.39556	0.0542	3.67351	38.87	3.77188	0.19241	3.67405	37.679	3.52825	0.1853	3.67371
46.202	5.23257	0.16223	3.67532	39.607	3.91887	0.0433	3.67424	37.512	3.49567	0.0541	3.67366	39.37	3.87189	0.19185	3.67418	38.179	3.62843	0.18482	3.67386
46.702	5.33308	0.1615	3.67536	40.107	4.01889	0.0432	3.67436	38.012	3.59577	0.0541	3.67381	39.87	3.97187	0.19206	3.6743	38.679	3.72861	0.18404	3.67399
47.202	5.43356	0.16213	3.67539	40.607	4.11888	0.0432	3.67447	38.512	3.69584	0.0533	3.67395	40.37	4.07189	0.19223	3.67442	39.179	3.82874	0.18404	3.67413
47.702	5.534	0.16174	3.67541	41.107	4.21884	0.0434	3.67458	39.012	3.79592	0.0529	3.67408	40.87	4.17196	0.19271	3.67453	39.679	3.9288	0.18374	3.67425
48.202	5.63443	0.16205	3.67543	41.607	4.31881	0.0433	3.67468	39.512	3.89587	0.0526	3.67421	41.37	4.27209	0.19202	3.67465	40.179	4.02882	0.18332	3.67437
48.702	5.73483	0.16297	3.67544	42.107	4.4188	0.0435	3.67478	40.012	3.99582	0.0523	3.67433	41.87	4.37225	0.19163	3.67473	40.679	4.12881	0.18304	3.67449
49.202	5.8352	0.16359	3.67545	42.607	4.5188	0.043	3.67486	40.512	4.09575	0.0528	3.67445	42.37	4.47241	0.19158	3.67482	41.179	4.22877	0.18203	3.67459
49.702	5.93551	0.1643	3.67545	43.107	4.61883	0.0423	3.67495	41.012	4.19569	0.055	3.67456	42.87	4.57252	0.19179	3.67491	41.679	4.32877	0.1811	3.67469
50.202	6.03574	0.16575	3.67545	43.607	4.71887	0.0429	3.67502	41.512	4.29564	0.0538	3.67466	43.37	4.67257	0.19209	3.67499	42.179	4.42858	0.18146	3.67479
50.702	6.13595	0.16816	3.67543	44.107	4.81889	0.0416	3.67509	42.012	4.39563	0.0524	3.67476	43.87	4.77257	0.1921	3.67506	42.679	4.52846	0.18124	3.67488
51.202	6.23617	0.17095	3.67541	44.607	4.91893	0.0409	3.67516	42.512	4.49564	0.0524	3.67485	44.37	4.87251	0.19293	3.67513	43.179	4.62836	0.18147	3.67496
51.702	6.33646	0.1745	3.67539	45.107	5.01893	0.0409	3.67521	43.012	4.59564	0.0523	3.67493	44.87	4.97245	0.19373	3.67519	43.679	4.7284	0.18081	3.67503
52.202	6.43682	0.17969	3.67536	45.607	5.11891	0.0414	3.67527	43.512	4.69567	0.0528	3.67501	45.37	5.07239	0.19423	3.67524	44.179	4.82833	0.18044	3.67511
52.702	6.53718	0.18789	3.67532	46.107	5.21886	0.0417	3.67531	44.012	4.79565	0.0532	3.67508	45.87	5.17233	0.1949	3.67529	44.679	4.9284	0.18002	3.67517
53.202	6.63752	0.19795	3.67528	46.607	5.31881	0.0419	3.67535	44.512	4.89563	0.0532	3.67515	46.37	5.2723	0.19774	3.67533	45.179	5.02849	0.17959	3.67522
53.702	6.73777	0.21231	3.67523	47.107	5.41877	0.0419	3.67538	45.012	4.99561	0.0539	3.6752	46.87	5.37238	0.19916	3.67537	45.679	5.12857	0.17989	3.67527
54.																			

Figure 6. The T-peel strength of the PPAs

	PPU	PPSA	PPSI	PPST	PPSY
Original peel strength (N/cm)	61.37	79.56	66.17	79.56	84.41
Peel strength after the second heating (N/cm)	21.9	26.5	16.5	13.5	69.6

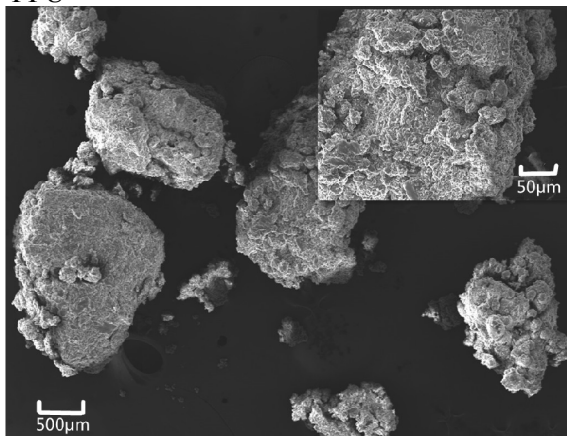
Figure 7. The particle size distribution of PPAs: (A) PPU, (B) PPSA, (C) PPSI, (D) PPST, (E) PPSY.

	A	B	C	D	E
Particle Diameter (μm)	Differential Volume (%)				
0.3752	0	0	0	0.00151	0.00255
0.41188	0	0	0	0.0027	0.00454
0.45215	0	0	0	0.00392	0.00663
0.49635	0	0	0	0.00547	0.00928
0.54487	0	0	0	0.00657	0.01123
0.59814	0	0	0	0.00735	0.01269
0.65661	0	0	0	0.00787	0.01377
0.72081	0	0	0	0.0082	0.01456
0.79127	0	0	0	0.00818	0.01481
0.86863	0	0	0	0.00779	0.01448
0.95355	0	0	0	0.00712	0.01371
1.04677	0	0	0	0.00624	0.0126
1.14911	0	0	0	0.00527	0.0113
1.26145	0	0	0	0.00418	0.00977
1.38477	0	0	0	0.00311	0.0082
1.52015	0	0	0	0.00213	0.00669
1.66876	0	0	0	0.00139	0.00544
1.8319	0	0	0	8.66E-04	0.0044
2.011	0	0	0	5.78E-04	0.00362
2.2076	0	0	0	4.92E-04	0.00309
2.42342	0	0	0	5.99E-04	0.00284
2.66033	0	0	0	9.25E-04	0.00285
2.92042	0	0	0	0.00145	0.00304
3.20592	9.22E-06	0	8.46E-05	0.00216	0.00344
3.51934	2.23E-04	0	9.17E-04	0.00293	0.00397
3.8634	0.00111	0	0.00222	0.0038	0.00468
4.2411	0.00257	0	0.00319	0.00469	0.00551
4.65572	0.0044	0	0.00404	0.00569	0.00656
5.11087	0.00657	0	0.00464	0.00671	0.00777
5.61052	0.00898	0	0.00514	0.00777	0.0092
6.15902	0.01155	0	0.00562	0.00886	0.01087
6.76114	0.01416	0	0.00617	0.01	0.01278
7.42212	0.01665	0	0.00686	0.01136	0.01504
8.14773	0.0187	0	0.00766	0.0128	0.01757
8.94427	0.02	0	0.00862	0.01444	0.02062
9.81869	0.02023	0	0.00968	0.01598	0.02392
10.7786	0.01974	0	0.01078	0.01784	0.02781
11.8323	0.01993	0	0.01184	0.01989	0.03204
12.9891	0.02377	0	0.01275	0.02236	0.03693
14.2589	0.0357	0	0.01389	0.02502	0.04234
15.6529	0.06031	0	0.01594	0.02825	0.04847
17.1832	0.10008	0	0.01963	0.03328	0.05579
18.863	0.14949	0	0.02551	0.04173	0.06458
20.7071	0.19442	8.59E-05	0.03324	0.05622	0.07595
22.7315	0.20774	0.00212	0.04152	0.07838	0.09047
24.9538	0.20947	0.01108	0.04827	0.10976	0.10972
27.3934	0.21444	0.02456	0.05203	0.15046	0.13499
30.0714	0.21852	0.03287	0.05535	0.20079	0.16797
33.0113	0.22755	0.03163	0.06413	0.26169	0.21027
36.2385	0.34197	0.02573	0.08562	0.33472	0.26304

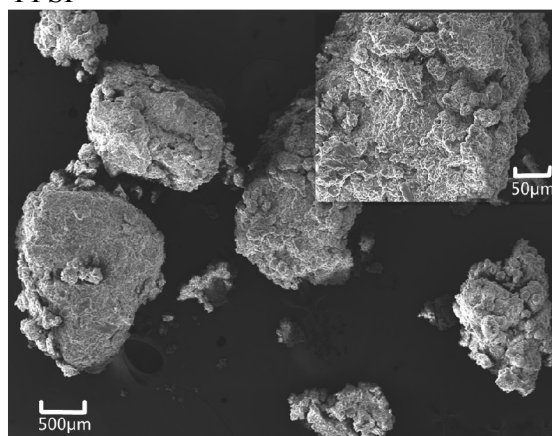
39.7813	0.47122	0.02722	0.1252	0.42258	0.32838
43.6704	0.53729	0.04727	0.17852	0.52731	0.4088
47.9397	0.54416	0.08881	0.23498	0.64972	0.50804
52.6264	0.61626	0.13218	0.29393	0.7881	0.6296
57.7713	0.89898	0.1476	0.3594	0.93845	0.77531
63.4192	0.9672	0.13951	0.42779	1.09634	0.94483
69.6192	1.08063	0.16002	0.51614	1.25875	1.13549
76.4253	1.02837	0.26358	0.67599	1.42602	1.34449
83.8969	1.12416	0.44885	0.90943	1.60139	1.57088
92.0988	1.13672	0.62215	1.0978	1.78922	1.81767
101.103	1.42288	0.71197	1.16409	1.99324	2.09254
110.987	2.39921	0.77741	1.24445	2.2146	2.40383
121.837	2.41741	0.94116	1.50175	2.45106	2.75229
133.748	2.55693	1.26403	1.91009	2.6957	3.12031
146.824	2.6698	1.68601	2.32224	2.93612	3.46717
161.177	2.79443	2.08863	2.67239	3.15689	3.73842
176.935	2.8105	2.43155	2.98219	3.34495	3.88917
194.232	3.27161	2.76919	3.26948	3.49751	3.91046
213.221	3.58662	3.12877	3.52085	3.6262	3.84143
234.066	3.6606	3.46816	3.70835	3.75424	3.75804
256.948	3.72653	3.77515	3.87005	3.90741	3.74513
282.068	3.9748	4.11701	4.14085	4.10233	3.86622
309.644	4.20647	4.59298	4.6298	4.33827	4.14446
339.916	4.775	5.25299	5.2726	4.59626	4.55245
373.147	5.10616	6.01532	5.85555	4.84385	5.01375
409.626	5.12523	6.71326	6.25029	5.0442	5.41648
449.672	5.20897	7.20319	6.4895	5.16032	5.63756
493.633	5.358	7.35038	6.51585	5.15518	5.57571
541.892	5.01687	7.08092	6.14004	4.99355	5.18293
594.869	4.98464	6.49553	5.32035	4.63883	4.46669
653.025	4.74849	5.73094	4.20149	4.05662	3.51255
716.866	3.87458	4.82406	3.02007	3.25733	2.45761
786.949	2.79773	3.84409	2.15696	2.30241	1.44165
863.883	1.8301	2.8705	1.84616	1.26909	0.64236
948.338	0.69643	1.81454	1.87297	0.4849	0.18461
1041.05	0.05897	0.72643	1.66741	0.09235	0.02702
1142.83	0	0.11693	0.3	0.00718	0.00125
1254.55	0	0.00363	0	0	0
1377.2	0	0	0.00746	0	0
1511.84	0	0	0	0	0
1659.64	0	0	0	0	0
1821.89	0	0	0	0	0

Figure. 9. SEM images of the samples: (A) PPU, (B) PPSI, (C) PPST, (D) PPSY.

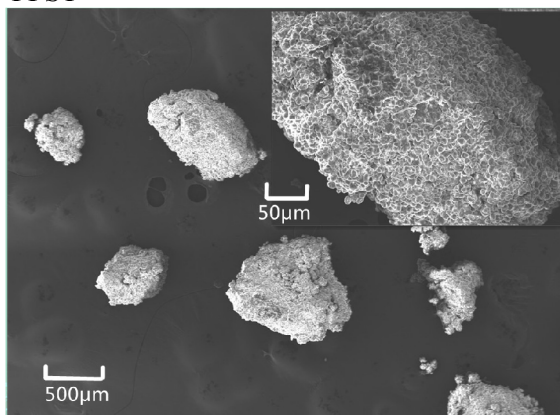
PPU



PPSI



PPST



PPSY

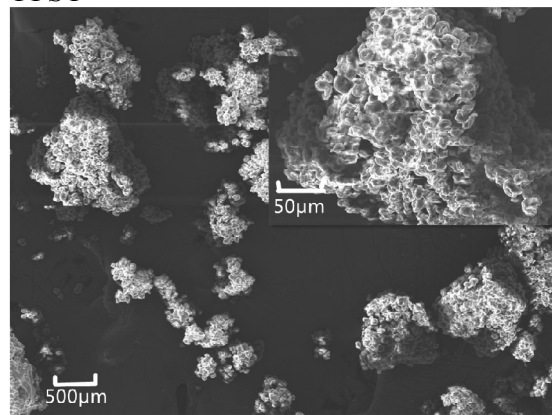


Figure 10. The effect of nano-silica content on the T-peel strength

	PPU	PPSY1	PPSY2	PPSY3
Original peel strength (N/cm)	61.37	84.41	73.2	68.3
Peel strength after the second heating (N/cm)	21.9	69.6	53.6	49.3