

SUPPLEMENTARY TEXT: MAX-EWMA CHART USING BETA AND UNIT NADARAJAH AND HAGHIGHI DISTRIBUTIONS

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ABSTRACT. The recent industrial revolution is a result of modern technological advancement and industrial improvements require quick detection of assignable causes in a process. This study presents a monitoring scheme for unit interval data assuming beta and unit Nadarajah and Haghghi distributions. To this end, a maximum exponentially weighted moving average (Max-EWMA) chart is introduced to jointly monitor unit interval bounded time and magnitude data. The performance of the proposed chart is evaluated by using average run length and other characteristics of run length distribution using extensive Monte Carlo simulations. Besides a comprehensive simulation study, a real data set is also used to assess the performance of the chart. The results supplement the proposed chart is efficient for joint monitoring time and magnitude, and simultaneous shifts are detected more quickly than separate shifts in the process parameters.

Keywords: Average run length; Max-EWMA chart; Beta Distribution; Unit Nadarajah and Haghghi Distribution

TABLE S.1. ARL Results of the Max-EWMA control chart when simultaneous shift occurs in the shape1 parameter of beta distribution and rate parameter of UNH distribution($\Delta_\gamma \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\lambda \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$ when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 0.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$)

θ_e	K	EM	VM	Δ_γ	Δ_λ	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1																				
$\phi=290$													$ARL_0 = 500$							
0.05	2.688	0.1811987	0.0092639	1.00	1.00	370.573	357.498	53.00	118.00	261.00	501.00	831.00	2.893	500.062	482.891	66.00	154.00	349.00	688.00	1135.00
0.05	2.688	0.1811987	0.0092639	1.10	1.10	20.404	9.946	10.00	13.00	18.00	25.00	33.00	2.893	21.928	10.642	11.00	14.00	20.00	27.00	36.00
0.05	2.688	0.1811987	0.0092639	1.20	1.10	8.748	2.768	6.00	7.00	8.00	10.00	12.00	2.893	9.218	2.885	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	1.10	5.688	1.440	4.00	5.00	6.00	7.00	8.00	2.893	5.951	1.493	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	1.10	4.332	0.963	3.00	4.00	4.00	5.00	6.00	2.893	4.508	0.981	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	1.10	19.139	8.543	10.00	13.00	17.00	23.00	30.00	2.893	20.655	9.377	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	1.10	7.926	2.183	5.00	6.00	8.00	9.00	11.00	2.893	8.328	2.315	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	1.10	5.009	1.068	4.00	4.00	5.00	6.00	6.00	2.893	5.212	1.092	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	1.10	3.670	0.654	3.00	3.00	4.00	4.00	4.00	2.893	3.846	0.678	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	1.10	2.978	0.425	2.00	3.00	3.00	3.00	3.00	2.893	3.070	0.415	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	1.20	20.114	9.762	10.00	13.00	18.00	25.00	33.00	2.893	21.519	10.516	11.00	14.00	19.00	26.00	35.00
0.05	2.688	0.1811987	0.0092639	1.20	1.20	8.742	2.768	6.00	7.00	8.00	10.00	12.00	2.893	9.213	2.893	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	1.20	5.699	1.431	4.00	5.00	6.00	7.00	8.00	2.893	5.946	1.481	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	1.20	4.348	0.950	3.00	4.00	4.00	5.00	6.00	2.893	4.516	0.977	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	1.20	18.941	8.525	10.00	13.00	17.00	23.00	30.00	2.893	20.368	9.151	11.00	14.00	18.00	25.00	32.00
0.05	2.688	0.1811987	0.0092639	0.80	1.20	7.971	2.219	5.00	6.00	8.00	9.00	11.00	2.893	8.333	2.289	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	1.20	5.001	1.056	4.00	4.00	5.00	6.00	6.00	2.893	5.249	1.100	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	1.20	3.682	0.669	3.00	3.00	4.00	4.00	4.00	2.893	3.842	0.687	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	1.20	2.963	0.426	2.00	3.00	3.00	3.00	3.00	2.893	3.069	0.417	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	1.30	20.023	9.569	10.00	13.00	18.00	25.00	33.00	2.893	21.433	10.168	11.00	14.00	19.00	26.00	35.00
0.05	2.688	0.1811987	0.0092639	1.20	1.30	8.713	2.754	6.00	7.00	8.00	10.00	12.00	2.893	9.229	2.879	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	1.30	5.713	1.451	4.00	5.00	6.00	7.00	8.00	2.893	5.954	1.481	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	1.30	4.331	0.948	3.00	4.00	4.00	5.00	6.00	2.893	4.533	0.993	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	1.30	19.098	8.731	10.00	13.00	17.00	23.00	31.00	2.893	20.419	9.186	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	1.30	7.957	2.219	5.00	6.00	8.00	9.00	11.00	2.893	8.332	2.282	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	1.30	5.018	1.064	4.00	4.00	5.00	6.00	6.00	2.893	5.221	1.093	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	1.30	3.673	0.654	3.00	3.00	4.00	4.00	4.00	2.893	3.831	0.673	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	1.30	2.969	0.428	2.00	3.00	3.00	3.00	3.00	2.893	3.072	0.409	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	1.40	20.009	9.609	10.00	13.00	18.00	25.00	33.00	2.893	21.193	9.941	11.00	14.00	19.00	26.00	34.00
0.05	2.688	0.1811987	0.0092639	1.20	1.40	8.698	2.748	6.00	7.00	8.00	10.00	12.00	2.893	9.178	2.879	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	1.40	5.703	1.441	4.00	5.00	6.00	7.00	8.00	2.893	6.004	1.522	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	1.40	4.332	0.950	3.00	4.00	4.00	5.00	6.00	2.893	4.528	0.985	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	1.40	18.739	8.440	10.00	13.00	17.00	23.00	30.00	2.893	20.182	8.899	11.00	14.00	18.00	25.00	32.00
0.05	2.688	0.1811987	0.0092639	0.80	1.40	7.926	2.221	5.00	6.00	8.00	9.00	11.00	2.893	8.348	2.341	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	1.40	4.998	1.045	4.00	4.00	5.00	6.00	6.00	2.893	5.239	1.107	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	1.40	3.675	0.653	3.00	3.00	4.00	4.00	4.00	2.893	3.838	0.676	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	1.40	2.972	0.422	2.00	3.00	3.00	3.00	3.00	2.893	3.073	0.410	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	0.90	20.731	10.160	10.00	14.00	19.00	26.00	34.00	2.893	21.962	10.758	11.00	14.00	20.00	27.00	36.00
0.05	2.688	0.1811987	0.0092639	1.20	0.90	8.737	2.756	6.00	7.00	8.00	10.00	12.00	2.893	9.193	2.926	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	0.90	5.705	1.446	4.00	5.00	6.00	7.00	8.00	2.893	6.004	1.526	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	0.90	4.323	0.952	3.00	4.00	4.00	5.00	6.00	2.893	4.517	0.988	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	0.90	19.437	8.855	10.00	13.00	18.00	24.00	31.00	2.893	20.688	9.326	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	0.90	7.922	2.258	5.00	6.00	8.00	9.00	11.00	2.893	8.308	2.331	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	0.90	5.015	1.083	4.00	4.00	5.00	6.00	6.00	2.893	5.239	1.084	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	0.90	3.669	0.659	3.00	3.00	4.00	4.00	4.00	2.893	3.829	0.673	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	0.90	2.976	0.418	3.00	3.00	3.00	3.00	3.00	2.893	3.075	0.411	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	0.80	20.487	9.968	10.00	13.00	18.00	25.00	33.00	2.893	21.914	10.586	11.00	14.00	20.00	27.00	36.00

0.05	2.688	0.1811987	0.0092639	1.20	0.80	8.781	2.836	6.00	7.00	8.00	10.00	13.00	2.893	9.204	2.879	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	0.80	5.707	1.436	4.00	5.00	6.00	7.00	8.00	2.893	5.985	1.499	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	0.80	4.334	0.965	3.00	4.00	4.00	5.00	6.00	2.893	4.510	0.977	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	0.80	19.316	8.902	10.00	13.00	17.00	24.00	31.00	2.893	20.619	9.375	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	0.80	7.926	2.229	5.00	6.00	8.00	9.00	11.00	2.893	8.336	2.332	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	0.80	4.985	1.072	4.00	4.00	5.00	6.00	6.00	2.893	5.222	1.095	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	0.80	3.674	0.661	3.00	3.00	4.00	4.00	4.00	2.893	3.830	0.678	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	0.80	2.970	0.435	2.00	3.00	3.00	3.00	3.00	2.893	3.070	0.414	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	0.70	20.283	9.848	10.00	13.00	18.00	25.00	33.00	2.893	21.763	10.416	11.00	14.00	20.00	27.00	35.00
0.05	2.688	0.1811987	0.0092639	1.20	0.70	8.750	2.781	6.00	7.00	8.00	10.00	12.00	2.893	9.191	2.879	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	0.70	5.706	1.447	4.00	5.00	6.00	7.00	8.00	2.893	5.970	1.498	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	0.70	4.339	0.954	3.00	4.00	4.00	5.00	6.00	2.893	4.512	0.983	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	0.70	19.225	8.615	10.00	13.00	17.00	24.00	31.00	2.893	20.513	9.216	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	0.70	7.927	2.242	5.00	6.00	8.00	9.00	11.00	2.893	8.320	2.294	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	0.70	5.011	1.059	4.00	4.00	5.00	6.00	6.00	2.893	5.220	1.086	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	0.70	3.668	0.659	3.00	3.00	4.00	4.00	4.00	2.893	3.830	0.673	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	0.70	2.968	0.420	2.00	3.00	3.00	3.00	3.00	2.893	3.081	0.424	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	0.60	20.268	9.674	10.00	13.00	18.00	25.00	33.00	2.893	21.665	10.090	11.00	14.00	20.00	27.00	35.00
0.05	2.688	0.1811987	0.0092639	1.20	0.60	8.722	2.789	6.00	7.00	8.00	10.00	12.00	2.893	9.200	2.858	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	0.60	5.701	1.441	4.00	5.00	6.00	7.00	8.00	2.893	5.981	1.513	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	0.60	4.345	0.962	3.00	4.00	4.00	5.00	6.00	2.893	4.496	0.981	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	0.60	19.040	8.218	10.00	13.00	17.00	23.00	30.00	2.893	20.413	9.183	11.00	14.00	19.00	25.00	33.00
0.05	2.688	0.1811987	0.0092639	0.80	0.60	7.965	2.250	5.00	6.00	8.00	9.00	11.00	2.893	8.373	2.319	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	0.60	4.999	1.064	4.00	4.00	5.00	6.00	6.00	2.893	5.232	1.091	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	0.60	3.675	0.665	3.00	3.00	4.00	4.00	4.00	2.893	3.820	0.667	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	0.60	2.973	0.429	2.00	3.00	3.00	3.00	3.00	2.893	3.070	0.409	3.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	1.10	0.50	19.913	8.955	10.00	13.00	18.00	25.00	32.00	2.893	21.262	9.757	11.00	14.00	19.00	26.00	34.00
0.05	2.688	0.1811987	0.0092639	1.20	0.50	8.741	2.761	6.00	7.00	8.00	10.00	12.00	2.893	9.195	2.908	6.00	7.00	9.00	11.00	13.00
0.05	2.688	0.1811987	0.0092639	1.30	0.50	5.733	1.453	4.00	5.00	6.00	7.00	8.00	2.893	5.971	1.498	4.00	5.00	6.00	7.00	8.00
0.05	2.688	0.1811987	0.0092639	1.40	0.50	4.312	0.952	3.00	4.00	4.00	5.00	5.00	2.893	4.523	0.972	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.90	0.50	18.811	8.042	10.00	13.00	17.00	23.00	29.00	2.893	20.238	8.756	11.00	14.00	18.00	25.00	32.00
0.05	2.688	0.1811987	0.0092639	0.80	0.50	7.947	2.225	5.00	6.00	8.00	9.00	11.00	2.893	8.364	2.306	6.00	7.00	8.00	10.00	11.00
0.05	2.688	0.1811987	0.0092639	0.70	0.50	4.994	1.052	4.00	4.00	5.00	6.00	6.00	2.893	5.228	1.081	4.00	4.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.60	0.50	3.682	0.662	3.00	3.00	4.00	4.00	4.00	2.893	3.827	0.667	3.00	3.00	4.00	4.00	5.00
0.05	2.688	0.1811987	0.0092639	0.50	0.50	2.973	0.422	2.00	3.00	3.00	3.00	3.00	2.893	3.077	0.409	3.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	1.00	1.00	371.465	363.243	47.00	113.00	257.00	516.00	844.10	3.203	499.944	506.414	61.00	147.00	341.00	683.00	1137.10
0.10	3.016	0.2591350	0.0188482	1.10	1.10	20.266	12.649	8.00	11.00	17.00	25.00	37.00	3.203	22.201	14.151	9.00	12.00	19.00	28.00	40.00
0.10	3.016	0.2591350	0.0188482	1.20	1.10	7.602	2.954	4.00	5.00	7.00	9.00	11.00	3.203	7.977	3.107	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	1.10	4.750	1.432	3.00	4.00	5.00	6.00	7.00	3.203	4.928	1.471	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	1.10	3.564	0.918	3.00	3.00	4.00	5.00	5.00	3.203	3.678	0.941	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	1.10	19.001	10.922	8.00	11.00	16.00	24.00	34.00	3.203	21.011	12.412	9.00	12.00	18.00	26.00	37.00
0.10	3.016	0.2591350	0.0188482	0.80	1.10	6.789	2.294	4.00	5.00	6.00	8.00	10.00	3.203	7.152	2.445	5.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	1.10	4.125	1.024	3.00	3.00	4.00	5.00	5.00	3.203	4.279	1.056	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	1.10	3.011	0.640	2.00	3.00	3.00	3.00	4.00	3.203	3.116	0.627	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	1.10	2.339	0.483	2.00	2.00	2.00	3.00	3.00	3.203	2.418	0.512	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	1.20	20.230	12.545	8.00	11.00	17.00	26.00	37.00	3.203	21.788	13.396	9.00	12.00	19.00	28.00	39.00
0.10	3.016	0.2591350	0.0188482	1.20	1.20	7.597	2.984	4.00	5.00	7.00	9.00	12.00	3.203	7.964	3.087	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	1.20	4.776	1.447	3.00	4.00	5.00	6.00	7.00	3.203	4.958	1.487	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	1.20	3.559	0.917	3.00	3.00	3.00	4.00	5.00	3.203	3.680	0.941	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	1.20	19.056	11.073	8.00	11.00	16.00	24.00	33.00	3.203	20.509	12.063	9.00	12.00	17.00	26.00	36.00
0.10	3.016	0.2591350	0.0188482	0.80	1.20	6.762	2.270	4.00	5.00	6.00	8.00	10.00	3.203	7.148	2.408	5.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	1.20	4.130	1.026	3.00	3.00	4.00	5.00	5.00	3.203	4.285	1.067	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	1.20	3.013	0.624	2.00	3.00	3.00	3.00	4.00	3.203	3.118	0.622	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	1.20	2.334	0.484	2.00	2.00	2.00	3.00	3.00	3.203	2.414	0.507	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	1.30	20.064	11.990	8.00	11.00	17.00	26.00	36.00	3.203	21.512	13.197	9.00	12.00	18.00	27.00	39.00
0.10	3.016	0.2591350	0.0188482	1.20	1.30	7.628	2.980	4.00	5.00	7.00	9.00	11.00	3.203	7.953	3.088	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	1.30	4.774	1.428	3.00	4.00	5.00	6.00	7.00	3.203	4.963	1.505	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	1.30	3.564	0.915	3.00	3.00	3.00	4.00	5.00	3.203	3.696	0.930					

0.10	3.016	0.2591350	0.0188482	0.50	1.30	2.329	0.483	2.00	2.00	2.00	3.00	3.00	3.203	2.421	0.514	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	1.40	19.741	11.864	8.00	11.00	17.00	25.00	35.00	3.203	21.227	12.934	9.00	12.00	18.00	27.00	38.00
0.10	3.016	0.2591350	0.0188482	1.20	1.40	7.592	2.934	4.00	5.00	7.00	9.00	11.00	3.203	7.937	3.014	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	1.40	4.739	1.438	3.00	4.00	5.00	6.00	7.00	3.203	4.963	1.488	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	1.40	3.551	0.913	3.00	3.00	3.00	4.00	5.00	3.203	3.700	0.946	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	1.40	18.621	10.577	8.00	11.00	16.00	23.00	32.00	3.203	20.267	11.913	9.00	12.00	17.00	25.00	36.00
0.10	3.016	0.2591350	0.0188482	0.80	1.40	6.804	2.303	4.00	5.00	6.00	8.00	10.00	3.203	7.122	2.406	5.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	1.40	4.129	1.022	3.00	3.00	4.00	5.00	5.00	3.203	4.280	1.048	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	1.40	3.005	0.629	2.00	3.00	3.00	3.00	4.00	3.203	3.121	0.626	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	1.40	2.331	0.481	2.00	2.00	2.00	3.00	3.00	3.203	2.416	0.510	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	0.90	20.254	12.595	8.00	11.00	17.00	26.00	37.00	3.203	22.450	14.050	9.00	13.00	19.00	29.00	41.00
0.10	3.016	0.2591350	0.0188482	1.20	0.90	7.606	3.000	4.00	5.00	7.00	9.00	11.00	3.203	7.977	3.101	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	0.90	4.771	1.447	3.00	4.00	5.00	6.00	7.00	3.203	4.979	1.518	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	0.90	3.564	0.916	3.00	3.00	3.00	4.00	5.00	3.203	3.677	0.937	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	0.90	19.315	11.277	8.00	11.00	17.00	24.00	34.00	3.203	20.939	12.210	9.00	12.00	18.00	26.00	37.00
0.10	3.016	0.2591350	0.0188482	0.80	0.90	6.823	2.329	4.00	5.00	6.00	8.00	10.00	3.203	7.093	2.407	4.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	0.90	4.112	1.023	3.00	3.00	4.00	5.00	5.00	3.203	4.293	1.066	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	0.90	3.015	0.626	2.00	3.00	3.00	3.00	4.00	3.203	3.116	0.621	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	0.90	2.328	0.481	2.00	2.00	2.00	3.00	3.00	3.203	2.421	0.511	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	0.80	20.696	12.847	8.00	12.00	17.00	26.00	38.00	3.203	22.335	13.825	9.00	12.00	19.00	28.00	40.00
0.10	3.016	0.2591350	0.0188482	1.20	0.80	7.621	2.975	4.00	6.00	7.00	9.00	12.00	3.203	8.001	3.119	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	0.80	4.756	1.461	3.00	4.00	5.00	6.00	7.00	3.203	4.978	1.503	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	0.80	3.558	0.914	3.00	3.00	3.00	4.00	5.00	3.203	3.694	0.944	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	0.80	19.336	11.542	8.00	11.00	16.00	24.00	34.00	3.203	20.915	12.445	9.00	12.00	18.00	26.00	37.00
0.10	3.016	0.2591350	0.0188482	0.80	0.80	6.812	2.325	4.00	5.00	6.00	8.00	10.00	3.203	7.133	2.419	5.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	0.80	4.109	1.025	3.00	3.00	4.00	5.00	5.00	3.203	4.296	1.082	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	0.80	3.004	0.621	2.00	3.00	3.00	3.00	4.00	3.203	3.113	0.634	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	0.80	2.325	0.481	2.00	2.00	2.00	3.00	3.00	3.203	2.429	0.516	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	0.70	20.692	13.080	8.00	11.00	17.00	26.00	38.00	3.203	22.569	13.902	9.00	13.00	19.00	29.00	41.00
0.10	3.016	0.2591350	0.0188482	1.20	0.70	7.583	2.921	4.00	6.00	7.00	9.00	11.00	3.203	7.977	3.086	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	0.70	4.744	1.437	3.00	4.00	5.00	6.00	7.00	3.203	4.944	1.482	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	0.70	3.555	0.926	3.00	3.00	3.00	4.00	5.00	3.203	3.701	0.947	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	0.70	19.445	11.153	8.00	12.00	17.00	24.00	34.00	3.203	20.825	12.295	9.00	12.00	18.00	26.00	37.00
0.10	3.016	0.2591350	0.0188482	0.80	0.70	6.811	2.343	4.00	5.00	6.00	8.00	10.00	3.203	7.160	2.415	5.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	0.70	4.121	1.043	3.00	3.00	4.00	5.00	5.00	3.203	4.309	1.056	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	0.70	3.003	0.627	2.00	3.00	3.00	3.00	4.00	3.203	3.133	0.631	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	0.70	2.333	0.484	2.00	2.00	2.00	3.00	3.00	3.203	2.416	0.511	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	0.60	20.439	12.390	8.00	12.00	17.00	26.00	37.00	3.203	22.529	14.075	9.00	13.00	19.00	28.00	41.00
0.10	3.016	0.2591350	0.0188482	1.20	0.60	7.590	2.977	4.00	5.00	7.00	9.00	11.00	3.203	7.925	3.080	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	0.60	4.744	1.412	3.00	4.00	5.00	6.00	7.00	3.203	4.970	1.487	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	0.60	3.554	0.919	3.00	3.00	3.00	4.00	5.00	3.203	3.689	0.935	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	0.60	19.271	11.211	8.00	11.00	16.00	24.00	34.00	3.203	20.872	12.180	9.00	12.00	18.00	26.00	36.10
0.10	3.016	0.2591350	0.0188482	0.80	0.60	6.824	2.356	4.00	5.00	6.00	8.00	10.00	3.203	7.151	2.459	4.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	0.60	4.129	1.040	3.00	3.00	4.00	5.00	5.00	3.203	4.298	1.072	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	0.60	3.006	0.620	2.00	3.00	3.00	3.00	4.00	3.203	3.110	0.633	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	0.60	2.333	0.482	2.00	2.00	2.00	3.00	3.00	3.203	2.423	0.509	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	1.10	0.50	20.283	12.057	8.00	12.00	17.00	26.00	36.00	3.203	21.899	13.266	9.00	13.00	19.00	28.00	39.00
0.10	3.016	0.2591350	0.0188482	1.20	0.50	7.599	2.936	4.00	6.00	7.00	9.00	11.00	3.203	8.017	3.114	5.00	6.00	7.00	10.00	12.00
0.10	3.016	0.2591350	0.0188482	1.30	0.50	4.771	1.446	3.00	4.00	5.00	6.00	7.00	3.203	4.958	1.497	3.00	4.00	5.00	6.00	7.00
0.10	3.016	0.2591350	0.0188482	1.40	0.50	3.553	0.910	3.00	3.00	3.00	4.00	5.00	3.203	3.691	0.930	3.00	3.00	4.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.90	0.50	19.095	11.027	8.00	11.00	16.00	24.00	33.00	3.203	21.086	12.381	9.00	12.00	18.00	26.00	37.00
0.10	3.016	0.2591350	0.0188482	0.80	0.50	6.843	2.331	4.00	5.00	6.00	8.00	10.00	3.203	7.110	2.438	4.00	5.00	7.00	8.00	10.00
0.10	3.016	0.2591350	0.0188482	0.70	0.50	4.119	1.038	3.00	3.00	4.00	5.00	5.00	3.203	4.304	1.063	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.60	0.50	3.009	0.628	2.00	3.00	3.00	3.00	4.00	3.203	3.116	0.637	2.00	3.00	3.00	3.00	4.00
0.10	3.016	0.2591350	0.0188482	0.50	0.50	2.339	0.484	2.00	2.00	2.00	3.00	3.00	3.203	2.424	0.509	2.00	2.00	2.00	3.00	3.00
0.15	3.194	0.3222067	0.0286625	1.00	1.00	370.018	367.745	41.00	107.00	255.00	514.00	841.00	3.375	500.824	493.943	56.00	148.00	350.00	692.00	1147.00
0.15	3.194	0.3222067	0.0286625	1.10	1.10	22.108	16.014	7.00	11.00	18.00	28.00	43.00	3.375	24.746	18.035	8.00	12.00	20.00	32.00	48.00
0.15	3.194	0.3222067	0.0286625	1.20	1.10	7.251	3.231	4.00	5.00	7.00	9.00	11.00	3.375	7.658	3.426					

0.15	3.194	0.3222067	0.0286625	0.70	1.10	3.749	1.057	3.00	3.00	4.00	4.00	5.00	3.375	3.882	1.083	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	1.10	2.662	0.635	2.00	2.00	3.00	3.00	3.00	3.375	2.763	0.655	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	1.10	2.117	0.334	2.00	2.00	2.00	2.00	3.00	3.375	2.166	0.382	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	1.20	21.926	15.797	7.00	11.00	18.00	28.00	42.00	3.375	23.803	17.130	8.00	12.00	19.00	31.00	46.00
0.15	3.194	0.3222067	0.0286625	1.20	1.20	7.237	3.257	4.00	5.00	7.00	9.00	11.00	3.375	7.625	3.405	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	1.20	4.355	1.465	3.00	3.00	4.00	5.00	6.00	3.375	4.534	1.521	3.00	3.00	4.00	5.00	6.00
0.15	3.194	0.3222067	0.0286625	1.40	1.20	3.197	0.920	2.00	3.00	3.00	4.00	4.00	3.375	3.328	0.943	2.00	3.00	3.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	1.20	20.855	14.156	8.00	11.00	17.00	26.00	39.00	3.375	23.534	16.498	8.00	12.00	19.00	30.00	45.00
0.15	3.194	0.3222067	0.0286625	0.80	1.20	6.403	2.545	4.00	5.00	6.00	8.00	10.00	3.375	6.743	2.684	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	1.20	3.716	1.037	3.00	3.00	4.00	4.00	5.00	3.375	3.894	1.103	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	1.20	2.673	0.640	2.00	2.00	3.00	3.00	3.00	3.375	2.766	0.660	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	1.20	2.120	0.339	2.00	2.00	2.00	2.00	3.00	3.375	2.168	0.384	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	1.30	21.430	14.989	7.00	11.00	17.00	28.00	41.00	3.375	23.954	17.292	8.00	12.00	19.00	31.00	46.00
0.15	3.194	0.3222067	0.0286625	1.20	1.30	7.213	3.223	4.00	5.00	7.00	9.00	11.00	3.375	7.610	3.450	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	1.30	4.328	1.482	3.00	3.00	4.00	5.00	6.00	3.375	4.526	1.537	3.00	3.00	4.00	5.00	7.00
0.15	3.194	0.3222067	0.0286625	1.40	1.30	3.204	0.931	2.00	3.00	3.00	4.00	4.00	3.375	3.308	0.944	2.00	3.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.90	1.30	20.673	14.050	7.00	11.00	17.00	26.00	39.00	3.375	23.051	15.949	8.00	12.00	19.00	30.00	44.00
0.15	3.194	0.3222067	0.0286625	0.80	1.30	6.434	2.521	4.00	5.00	6.00	8.00	10.00	3.375	6.734	2.654	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	1.30	3.724	1.042	3.00	3.00	4.00	4.00	5.00	3.375	3.879	1.072	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	1.30	2.653	0.635	2.00	2.00	3.00	3.00	3.00	3.375	2.772	0.653	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	1.30	2.125	0.344	2.00	2.00	2.00	2.00	3.00	3.375	2.170	0.386	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	1.40	21.107	14.760	7.00	11.00	17.00	27.00	40.00	3.375	23.697	16.968	8.00	12.00	19.00	31.00	46.00
0.15	3.194	0.3222067	0.0286625	1.20	1.40	7.243	3.243	4.00	5.00	7.00	9.00	11.00	3.375	7.609	3.441	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	1.40	4.362	1.485	3.00	3.00	4.00	5.00	6.00	3.375	4.535	1.515	3.00	3.00	4.00	5.00	6.00
0.15	3.194	0.3222067	0.0286625	1.40	1.40	3.192	0.913	2.00	3.00	3.00	4.00	4.00	3.375	3.311	0.943	2.00	3.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.90	1.40	20.364	13.696	7.00	11.00	16.00	26.00	38.00	3.375	22.719	15.784	8.00	12.00	18.00	29.00	43.00
0.15	3.194	0.3222067	0.0286625	0.80	1.40	6.419	2.550	4.00	5.00	6.00	8.00	10.00	3.375	6.752	2.661	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	1.40	3.727	1.050	3.00	3.00	4.00	4.00	5.00	3.375	3.886	1.079	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	1.40	2.666	0.638	2.00	2.00	3.00	3.00	3.00	3.375	2.759	0.657	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	1.40	2.119	0.339	2.00	2.00	2.00	2.00	3.00	3.375	2.161	0.376	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	0.90	22.184	15.861	7.00	11.00	18.00	29.00	43.00	3.375	24.797	18.425	8.00	12.00	20.00	32.00	48.00
0.15	3.194	0.3222067	0.0286625	1.20	0.90	7.219	3.237	4.00	5.00	7.00	9.00	12.00	3.375	7.664	3.452	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	0.90	4.370	1.490	3.00	3.00	4.00	5.00	6.00	3.375	4.549	1.540	3.00	3.00	4.00	5.00	7.00
0.15	3.194	0.3222067	0.0286625	1.40	0.90	3.216	0.932	2.00	3.00	3.00	4.00	4.00	3.375	3.317	0.944	2.00	3.00	3.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.90	21.309	14.612	8.00	11.00	17.00	27.00	40.00	3.375	23.741	16.443	8.00	12.00	19.00	30.00	45.00
0.15	3.194	0.3222067	0.0286625	0.80	0.90	6.450	2.530	4.00	5.00	6.00	8.00	10.00	3.375	6.769	2.683	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	0.90	3.738	1.054	3.00	3.00	4.00	4.00	5.00	3.375	3.871	1.064	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	0.90	2.664	0.633	2.00	2.00	3.00	3.00	3.00	3.375	2.755	0.646	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	0.90	2.128	0.351	2.00	2.00	2.00	2.00	3.00	3.375	2.165	0.378	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	0.80	22.744	16.446	7.00	11.00	18.00	29.00	44.00	3.375	24.793	17.974	8.00	12.00	20.00	32.00	48.00
0.15	3.194	0.3222067	0.0286625	1.20	0.80	7.207	3.228	4.00	5.00	7.00	9.00	11.00	3.375	7.605	3.452	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	0.80	4.347	1.475	3.00	3.00	4.00	5.00	6.00	3.375	4.533	1.543	3.00	3.00	4.00	5.00	7.00
0.15	3.194	0.3222067	0.0286625	1.40	0.80	3.210	0.918	2.00	3.00	3.00	4.00	4.00	3.375	3.312	0.949	2.00	3.00	3.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.80	21.460	14.732	7.00	11.00	17.00	28.00	41.00	3.375	23.634	17.046	8.00	12.00	19.00	30.00	45.00
0.15	3.194	0.3222067	0.0286625	0.80	0.80	6.405	2.497	4.00	5.00	6.00	8.00	10.00	3.375	6.731	2.663	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	0.80	3.747	1.056	3.00	3.00	4.00	4.00	5.00	3.375	3.888	1.090	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	0.80	2.652	0.635	2.00	2.00	3.00	3.00	3.00	3.375	2.756	0.654	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	0.80	2.122	0.338	2.00	2.00	2.00	2.00	3.00	3.375	2.165	0.378	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	0.70	22.643	16.182	7.00	11.00	18.00	29.00	44.00	3.375	24.869	18.055	8.00	12.00	20.00	32.00	48.00
0.15	3.194	0.3222067	0.0286625	1.20	0.70	7.218	3.219	4.00	5.00	7.00	9.00	11.00	3.375	7.585	3.456	4.00	5.00	7.00	9.00	12.00
0.15	3.194	0.3222067	0.0286625	1.30	0.70	4.346	1.466	3.00	3.00	4.00	5.00	6.00	3.375	4.545	1.547	3.00	3.00	4.00	5.00	7.00
0.15	3.194	0.3222067	0.0286625	1.40	0.70	3.195	0.918	2.00	3.00	3.00	4.00	4.00	3.375	3.292	0.938	2.00	3.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.90	0.70	21.234	14.516	8.00	11.00	17.00	27.00	40.00	3.375	24.056	16.941	8.00	12.00	19.00	31.00	46.00
0.15	3.194	0.3222067	0.0286625	0.80	0.70	6.427	2.525	4.00	5.00	6.00	8.00	10.00	3.375	6.735	2.648	4.00	5.00	6.00	8.00	10.00
0.15	3.194	0.3222067	0.0286625	0.70	0.70	3.739	1.047	3.00	3.00	4.00	4.00	5.00	3.375	3.888	1.110	3.00	3.00	4.00	4.00	5.00
0.15	3.194	0.3222067	0.0286625	0.60	0.70	2.660	0.631	2.00	2.00	3.00	3.00	3.00	3.375	2.763	0.645	2.00	2.00	3.00	3.00	4.00
0.15	3.194	0.3222067	0.0286625	0.50	0.70	2.128	0.347	2.00	2.00	2.00	2.00	3.00	3.375	2.156	0.372	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	1.10	0.60	22.726	16.393	7.00	11.00	18.00	29.00	44.00	3.375	25.038	18.286	8.00	12.00	20.00	32.00	

0.15	3.194	0.3222067	0.0286625	0.80	0.60	6.423	2.535	4.00	5.00	6.00	8.00	10.00	3.375	6.804	2.703	4.00	5.00	6.00	8.00	10.00	
0.15	3.194	0.3222067	0.0286625	0.70	0.60	3.750	1.062	3.00	3.00	4.00	4.00	5.00	3.375	3.899	1.093	3.00	3.00	4.00	4.00	5.00	
0.15	3.194	0.3222067	0.0286625	0.60	0.60	2.672	0.632	2.00	2.00	3.00	3.00	3.00	3.375	2.757	0.652	2.00	2.00	3.00	3.00	4.00	
0.15	3.194	0.3222067	0.0286625	0.50	0.60	2.119	0.340	2.00	2.00	2.00	2.00	3.00	3.375	2.172	0.386	2.00	2.00	2.00	2.00	3.00	
0.15	3.194	0.3222067	0.0286625	1.10	0.50	22.985	16.699	7.00	11.00	18.00	30.00	45.00	3.375	25.204	18.839	8.00	12.00	20.00	32.00	49.00	
0.15	3.194	0.3222067	0.0286625	1.20	0.50	7.228	3.224	4.00	5.00	7.00	9.00	11.00	3.375	7.696	3.480	4.00	5.00	7.00	9.00	12.00	
0.15	3.194	0.3222067	0.0286625	1.30	0.50	4.346	1.488	3.00	3.00	4.00	5.00	6.00	3.375	4.537	1.544	3.00	3.00	4.00	5.00	7.00	
0.15	3.194	0.3222067	0.0286625	1.40	0.50	3.204	0.910	2.00	3.00	3.00	4.00	4.00	3.375	3.317	0.955	2.00	3.00	3.00	4.00	5.00	
0.15	3.194	0.3222067	0.0286625	0.90	0.50	21.659	14.916	8.00	11.00	18.00	28.00	41.00	3.375	23.839	16.722	8.00	12.00	19.00	31.00	46.00	
0.15	3.194	0.3222067	0.0286625	0.80	0.50	6.436	2.557	4.00	5.00	6.00	8.00	10.00	3.375	6.774	2.663	4.00	5.00	6.00	8.00	10.00	
0.15	3.194	0.3222067	0.0286625	0.70	0.50	3.757	1.056	3.00	3.00	4.00	4.00	5.00	3.375	3.886	1.084	3.00	3.00	4.00	4.00	5.00	
0.15	3.194	0.3222067	0.0286625	0.60	0.50	2.658	0.636	2.00	2.00	3.00	3.00	3.00	3.375	2.770	0.644	2.00	2.00	3.00	3.00	4.00	
0.15	3.194	0.3222067	0.0286625	0.50	0.50	2.126	0.353	2.00	2.00	2.00	2.00	3.00	3.375	2.167	0.382	2.00	2.00	2.00	2.00	3.00	
ARL₀ = 370													ARL₀ = 500								
Case 2																					
$\phi=148$																					
0.05	2.701	0.1807278	0.0092167	1.10	1.10	32.486	19.405	13.00	19.00	28.00	41.00	58.00	2.897	35.441	21.157	14.00	20.00	30.00	45.00	64.00	
0.05	2.701	0.1807278	0.0092167	1.20	1.10	13.076	5.116	7.00	9.00	12.00	16.00	20.00	2.897	13.824	5.440	8.00	10.00	13.00	17.00	21.00	
0.05	2.701	0.1807278	0.0092167	1.30	1.10	8.282	2.637	5.00	6.00	8.00	10.00	12.00	2.897	8.676	2.685	6.00	7.00	8.00	10.00	12.00	
0.05	2.701	0.1807278	0.0092167	1.40	1.10	6.122	1.620	4.00	5.00	6.00	7.00	8.00	2.897	6.399	1.672	4.00	5.00	6.00	7.00	9.00	
0.05	2.701	0.1807278	0.0092167	0.90	1.10	30.926	17.515	14.00	19.00	27.00	39.00	54.00	2.897	33.562	19.076	15.00	20.00	29.00	42.00	59.00	
0.05	2.701	0.1807278	0.0092167	0.80	1.10	11.723	4.080	7.00	9.00	11.00	14.00	17.00	2.897	12.349	4.247	8.00	9.00	12.00	15.00	18.00	
0.05	2.701	0.1807278	0.0092167	0.70	1.10	7.121	1.813	5.00	6.00	7.00	8.00	10.00	2.897	7.452	1.890	5.00	6.00	7.00	8.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.60	1.10	5.134	1.065	4.00	4.00	5.00	6.00	7.00	2.897	5.350	1.086	4.00	5.00	5.00	6.00	7.00	
0.05	2.701	0.1807278	0.0092167	0.50	1.10	3.993	0.702	3.00	4.00	4.00	4.00	5.00	2.897	4.187	0.725	3.00	4.00	4.00	5.00	5.00	
0.05	2.701	0.1807278	0.0092167	1.10	1.20	32.389	19.224	13.00	19.00	28.00	41.00	57.00	2.897	35.313	21.346	14.00	20.00	30.00	45.00	63.00	
0.05	2.701	0.1807278	0.0092167	1.20	1.20	13.051	5.218	7.00	9.00	12.00	16.00	20.00	2.897	13.848	5.442	8.00	10.00	13.00	17.00	21.00	
0.05	2.701	0.1807278	0.0092167	1.30	1.20	8.286	2.606	5.00	6.00	8.00	10.00	12.00	2.897	8.677	2.654	6.00	7.00	8.00	10.00	12.00	
0.05	2.701	0.1807278	0.0092167	1.40	1.20	6.116	1.628	4.00	5.00	6.00	7.00	8.00	2.897	6.407	1.656	4.00	5.00	6.00	7.00	9.00	
0.05	2.701	0.1807278	0.0092167	0.90	1.20	30.536	16.924	14.00	19.00	27.00	38.00	52.00	2.897	33.354	18.873	15.00	20.00	29.00	42.00	58.00	
0.05	2.701	0.1807278	0.0092167	0.80	1.20	11.778	4.130	7.00	9.00	11.00	14.00	17.00	2.897	12.412	4.224	8.00	9.00	12.00	15.00	18.00	
0.05	2.701	0.1807278	0.0092167	0.70	1.20	7.139	1.836	5.00	6.00	7.00	8.00	10.00	2.897	7.477	1.902	5.00	6.00	7.00	9.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.60	1.20	5.128	1.062	4.00	4.00	5.00	6.00	6.00	2.897	5.345	1.096	4.00	5.00	5.00	6.00	7.00	
0.05	2.701	0.1807278	0.0092167	0.50	1.20	3.995	0.716	3.00	4.00	4.00	4.00	5.00	2.897	4.184	0.719	3.00	4.00	4.00	5.00	5.00	
0.05	2.701	0.1807278	0.0092167	1.10	1.30	31.661	18.660	13.00	18.00	27.00	40.00	56.00	2.897	33.985	19.832	14.00	20.00	29.00	43.00	60.00	
0.05	2.701	0.1807278	0.0092167	1.20	1.30	13.063	5.042	7.90	9.00	12.00	16.00	20.00	2.897	13.819	5.549	8.00	10.00	13.00	17.00	21.00	
0.05	2.701	0.1807278	0.0092167	1.30	1.30	8.231	2.555	5.00	6.00	8.00	10.00	12.00	2.897	8.610	2.671	6.00	7.00	8.00	10.00	12.00	
0.05	2.701	0.1807278	0.0092167	1.40	1.30	6.123	1.632	4.00	5.00	6.00	7.00	8.00	2.897	6.410	1.708	4.00	5.00	6.00	7.00	9.00	
0.05	2.701	0.1807278	0.0092167	0.90	1.30	29.719	16.321	13.00	18.00	26.00	37.00	51.00	2.897	32.282	17.661	14.00	20.00	28.00	40.00	56.00	
0.05	2.701	0.1807278	0.0092167	0.80	1.30	11.776	4.093	7.00	9.00	11.00	14.00	17.00	2.897	12.372	4.239	8.00	9.00	12.00	15.00	18.00	
0.05	2.701	0.1807278	0.0092167	0.70	1.30	7.135	1.828	5.00	6.00	7.00	8.00	10.00	2.897	7.460	1.894	5.00	6.00	7.00	8.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.60	1.30	5.135	1.057	4.00	4.00	5.00	6.00	6.00	2.897	5.347	1.096	4.00	5.00	5.00	6.00	7.00	
0.05	2.701	0.1807278	0.0092167	0.50	1.30	3.995	0.707	3.00	4.00	4.00	4.00	5.00	2.897	4.175	0.719	3.00	4.00	4.00	5.00	5.00	
0.05	2.701	0.1807278	0.0092167	1.10	1.40	30.543	17.654	13.00	18.00	26.00	38.00	53.00	2.897	33.337	19.292	14.00	20.00	29.00	42.00	58.00	
0.05	2.701	0.1807278	0.0092167	1.20	1.40	13.022	5.099	7.00	9.00	12.00	16.00	20.00	2.897	13.775	5.364	8.00	10.00	13.00	17.00	21.00	
0.05	2.701	0.1807278	0.0092167	1.30	1.40	8.273	2.593	5.00	6.00	8.00	10.00	12.00	2.897	8.620	2.623	6.00	7.00	8.00	10.00	12.00	
0.05	2.701	0.1807278	0.0092167	1.40	1.40	6.127	1.618	4.00	5.00	6.00	7.00	8.00	2.897	6.409	1.696	4.00	5.00	6.00	7.00	9.00	
0.05	2.701	0.1807278	0.0092167	0.90	1.40	28.845	15.537	13.00	18.00	25.00	36.00	50.00	2.897	31.881	17.394	15.00	20.00	28.00	40.00	54.00	
0.05	2.701	0.1807278	0.0092167	0.80	1.40	11.761	4.022	7.00	9.00	11.00	14.00	17.00	2.897	12.343	4.182	8.00	9.00	12.00	15.00	18.00	
0.05	2.701	0.1807278	0.0092167	0.70	1.40	7.163	1.858	5.00	6.00	7.00	8.00	10.00	2.897	7.440	1.880	5.00	6.00	7.00	9.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.60	1.40	5.144	1.077	4.00	4.00	5.00	6.00	7.00	2.897	5.340	1.091	4.00	5.00	5.00	6.00	7.00	
0.05	2.701	0.1807278	0.0092167	0.50	1.40	4.011	0.711	3.00	4.00	4.00	4.00	5.00	2.897	4.175	0.724	3.00	4.00	4.00	5.00	5.00	
0.05	2.701	0.1807278	0.0092167	1.10	0.90	32.996	19.608	14.00	19.00	28.00	42.00	58.00	2.897	36.078	21.806	15.00	21.00	31.00	46.00	65.00	
0.05	2.701	0.1807278	0.0092167	1.20	0.90	13.049	5.112	7.00	9.00	12.00	16.00	20.00	2.897	13.915	5.430	8.00	10.00	13.00	17.00	21.00	
0.05	2.701	0.1807278	0.0092167	1.30	0.90	8.247	2.564	5.00	6.00	8.00	10.00	12.00	2.897	8.631	2.621	6.00	7.00	8.00	10.00	12.00	
0.05	2.701	0.1807278	0.0092167	1.40	0.90	6.107	1.598	4.00	5.00	6.00	7.00	8.00	2.897	6.410	1.689	4.00	5.00	6.00	7.00	9.00	
0.05	2.701	0.1807278	0.0092167	0.90	0.90	31.586	17.873	14.00	19.00	27.00	40.00	55.00	2.897	34.146	19.369	15.00	20.00	29.00	43.00	59.00	
0.05	2.701	0.1807278	0.0092167	0.80	0.90	11.758	4.088	7.00	9.00	11.00	14.00	17.00	2.897	12.416	4.247	8.00	9.00	12.00	15.00	18.00	
0.05	2.701	0.1807278	0.0092167	0.70	0.90	7.148	1.827	5.00	6.00	7.00	8.00	10.00	2.897	7.471	1.903	5.00	6.00	7.00	9.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.60	0.90	5.147	1.070	4.00	4.00												

0.05	2.701	0.1807278	0.0092167	1.20	0.80	13.172	5.221	8.00	9.00	12.00	16.00	20.00	2.897	13.868	5.430	8.00	10.00	13.00	17.00	21.00
0.05	2.701	0.1807278	0.0092167	1.30	0.80	8.269	2.615	5.00	6.00	8.00	10.00	12.00	2.897	8.650	2.651	6.00	7.00	8.00	10.00	12.00
0.05	2.701	0.1807278	0.0092167	1.40	0.80	6.153	1.638	4.00	5.00	6.00	7.00	8.00	2.897	6.415	1.687	4.00	5.00	6.00	7.00	9.00
0.05	2.701	0.1807278	0.0092167	0.90	0.80	31.319	17.513	14.00	19.00	27.00	39.00	54.00	2.897	33.546	18.571	15.00	20.00	29.00	42.00	58.00
0.05	2.701	0.1807278	0.0092167	0.80	0.80	11.865	4.088	7.00	9.00	11.00	14.00	17.00	2.897	12.422	4.248	8.00	9.00	12.00	15.00	18.00
0.05	2.701	0.1807278	0.0092167	0.70	0.80	7.184	1.847	5.00	6.00	7.00	8.00	10.00	2.897	7.503	1.910	5.00	6.00	7.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.60	0.80	5.119	1.042	4.00	4.00	5.00	6.00	6.00	2.897	5.344	1.084	4.00	5.00	5.00	6.00	7.00
0.05	2.701	0.1807278	0.0092167	0.50	0.80	4.009	0.710	3.00	4.00	4.00	4.00	5.00	2.897	4.167	0.727	3.00	4.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	1.10	0.70	32.409	18.637	14.00	20.00	28.00	41.00	56.00	2.897	35.301	20.753	15.00	20.00	30.00	45.00	62.00
0.05	2.701	0.1807278	0.0092167	1.20	0.70	13.125	5.197	7.00	9.00	12.00	16.00	20.00	2.897	13.936	5.457	8.00	10.00	13.00	17.00	21.00
0.05	2.701	0.1807278	0.0092167	1.30	0.70	8.240	2.564	5.00	6.00	8.00	10.00	12.00	2.897	8.629	2.656	6.00	7.00	8.00	10.00	12.00
0.05	2.701	0.1807278	0.0092167	1.40	0.70	6.130	1.618	4.00	5.00	6.00	7.00	8.00	2.897	6.386	1.676	4.00	5.00	6.00	7.00	9.00
0.05	2.701	0.1807278	0.0092167	0.90	0.70	30.688	16.914	14.00	19.00	27.00	38.00	53.00	2.897	33.430	18.492	15.00	20.00	29.00	42.00	58.00
0.05	2.701	0.1807278	0.0092167	0.80	0.70	11.796	4.087	7.00	9.00	11.00	14.00	17.00	2.897	12.484	4.249	8.00	9.00	12.00	15.00	18.00
0.05	2.701	0.1807278	0.0092167	0.70	0.70	7.148	1.834	5.00	6.00	7.00	8.00	10.00	2.897	7.530	1.902	5.00	6.00	7.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.60	0.70	5.131	1.058	4.00	4.00	5.00	6.00	6.00	2.897	5.351	1.088	4.00	5.00	5.00	6.00	7.00
0.05	2.701	0.1807278	0.0092167	0.50	0.70	4.014	0.713	3.00	4.00	4.00	4.00	5.00	2.897	4.174	0.732	3.00	4.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	1.10	0.60	31.410	17.724	14.00	19.00	28.00	39.00	54.00	2.897	33.878	18.868	15.00	20.00	30.00	43.00	59.00
0.05	2.701	0.1807278	0.0092167	1.20	0.60	13.108	5.071	7.00	9.00	12.00	16.00	20.00	2.897	13.863	5.390	8.00	10.00	13.00	17.00	21.00
0.05	2.701	0.1807278	0.0092167	1.30	0.60	8.253	2.578	5.00	6.00	8.00	10.00	12.00	2.897	8.650	2.632	6.00	7.00	8.00	10.00	12.00
0.05	2.701	0.1807278	0.0092167	1.40	0.60	6.136	1.623	4.00	5.00	6.00	7.00	8.00	2.897	6.392	1.698	4.00	5.00	6.00	7.00	9.00
0.05	2.701	0.1807278	0.0092167	0.90	0.60	29.364	15.339	14.00	18.00	26.00	37.00	49.00	2.897	32.325	17.177	15.00	20.00	28.00	40.00	55.00
0.05	2.701	0.1807278	0.0092167	0.80	0.60	11.853	4.168	7.00	9.00	11.00	14.00	17.00	2.897	12.345	4.207	8.00	9.00	12.00	15.00	18.00
0.05	2.701	0.1807278	0.0092167	0.70	0.60	7.164	1.859	5.00	6.00	7.00	8.00	10.00	2.897	7.460	1.889	5.00	6.00	7.00	8.00	10.00
0.05	2.701	0.1807278	0.0092167	0.60	0.60	5.129	1.065	4.00	4.00	5.00	6.00	7.00	2.897	5.349	1.081	4.00	5.00	5.00	6.00	7.00
0.05	2.701	0.1807278	0.0092167	0.50	0.60	4.017	0.716	3.00	4.00	4.00	4.00	5.00	2.897	4.173	0.719	3.00	4.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	1.10	0.50	29.053	14.850	14.00	18.00	26.00	36.00	49.00	2.897	31.797	16.581	15.00	20.00	28.00	40.00	53.00
0.05	2.701	0.1807278	0.0092167	1.20	0.50	13.053	5.151	7.00	9.00	12.00	16.00	20.00	2.897	13.866	5.344	8.00	10.00	13.00	17.00	21.00
0.05	2.701	0.1807278	0.0092167	1.30	0.50	8.270	2.590	5.00	6.00	8.00	10.00	12.00	2.897	8.703	2.701	6.00	7.00	8.00	10.00	12.00
0.05	2.701	0.1807278	0.0092167	1.40	0.50	6.148	1.635	4.00	5.00	6.00	7.00	8.00	2.897	6.396	1.701	4.00	5.00	6.00	7.00	9.00
0.05	2.701	0.1807278	0.0092167	0.90	0.50	28.155	13.851	14.00	18.00	25.00	35.00	46.00	2.897	30.637	15.418	15.00	20.00	27.00	38.00	51.00
0.05	2.701	0.1807278	0.0092167	0.80	0.50	11.807	4.108	7.00	9.00	11.00	14.00	17.00	2.897	12.414	4.207	8.00	9.00	12.00	15.00	18.00
0.05	2.701	0.1807278	0.0092167	0.70	0.50	7.145	1.833	5.00	6.00	7.00	8.00	9.00	2.897	7.473	1.894	5.00	6.00	7.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.60	0.50	5.133	1.052	4.00	4.00	5.00	6.00	6.00	2.897	5.351	1.076	4.00	5.00	5.00	6.00	7.00
0.05	2.701	0.1807278	0.0092167	0.50	0.50	4.009	0.711	3.00	4.00	4.00	4.00	5.00	2.897	4.155	0.714	3.00	4.00	4.00	5.00	5.00
0.10	3.026	0.2588440	0.0187933	1.00	1.00	370.310	356.600	45.00	110.00	259.00	508.25	837.00	3.216	500.482	483.140	61.00	152.00	355.00	690.25	1127.10
0.10	3.026	0.2588440	0.0187933	1.10	1.10	35.724	26.768	11.00	17.00	28.00	46.00	71.00	3.216	40.042	29.743	12.00	19.00	32.00	52.00	79.00
0.10	3.026	0.2588440	0.0187933	1.20	1.10	11.962	5.869	6.00	8.00	11.00	15.00	20.00	3.216	12.809	6.318	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	1.10	7.140	2.677	4.00	5.00	7.00	9.00	11.00	3.216	7.460	2.817	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	1.10	5.123	1.653	3.00	4.00	5.00	6.00	7.00	3.216	5.372	1.696	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	1.10	34.866	24.514	12.00	18.00	28.00	45.00	67.00	3.216	39.508	29.285	13.00	19.00	31.00	51.00	77.00
0.10	3.026	0.2588440	0.0187933	0.80	1.10	10.631	4.614	6.00	7.00	10.00	13.00	17.00	3.216	11.292	4.897	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	1.10	6.040	1.874	4.00	5.00	6.00	7.00	8.00	3.216	6.341	1.959	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	1.10	4.244	1.027	3.00	4.00	4.00	5.00	6.00	3.216	4.397	1.053	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	1.10	3.277	0.659	3.00	3.00	3.00	4.00	4.00	3.216	3.397	0.681	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	1.20	34.550	25.574	11.00	17.00	27.00	45.00	68.00	3.216	38.652	29.126	12.00	18.00	30.00	50.00	76.00
0.10	3.026	0.2588440	0.0187933	1.20	1.20	12.012	5.966	6.00	8.00	11.00	15.00	20.00	3.216	12.743	6.359	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	1.20	7.136	2.693	4.00	5.00	7.00	9.00	11.00	3.216	7.440	2.782	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	1.20	5.153	1.648	3.00	4.00	5.00	6.00	7.00	3.216	5.369	1.706	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	1.20	33.946	23.848	12.00	17.00	27.00	44.00	65.00	3.216	38.718	28.118	12.00	19.00	31.00	50.00	75.00
0.10	3.026	0.2588440	0.0187933	0.80	1.20	10.708	4.618	6.00	7.00	10.00	13.00	17.00	3.216	11.345	4.926	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	1.20	6.045	1.899	4.00	5.00	6.00	7.00	9.00	3.216	6.317	1.944	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	1.20	4.225	1.035	3.00	4.00	4.00	5.00	6.00	3.216	4.405	1.063	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	1.20	3.285	0.657	3.00	3.00	3.00	4.00	4.00	3.216	3.398	0.680	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	1.30	34.212	25.042	11.00	17.00	27.00	44.00	66.00	3.216	38.132	28.777	12.00	18.00	30.00	50.00	75.00
0.10	3.026	0.2588440	0.0187933	1.20	1.30	11.925	5.837	6.00	8.00	11.00	15.00	20.00	3.216	12.764	6.357	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	1.30	7.091	2.707	4.00	5.00	7.00	8.00	11.00	3.216	7.463	2.860	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187																	

0.10	3.026	0.2588440	0.0187933	0.50	1.30	3.274	0.647	3.00	3.00	3.00	4.00	4.00	3.216	3.386	0.664	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	1.40	32.412	23.425	10.00	16.00	26.00	42.00	62.00	3.216	36.188	26.224	11.00	18.00	29.00	47.00	70.00
0.10	3.026	0.2588440	0.0187933	1.20	1.40	11.903	5.863	6.00	8.00	11.00	15.00	20.00	3.216	12.668	6.275	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	1.40	7.109	2.715	4.00	5.00	7.00	9.00	11.00	3.216	7.458	2.816	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	1.40	5.104	1.587	3.00	4.00	5.00	6.00	7.00	3.216	5.336	1.695	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	1.40	31.882	22.172	11.00	16.00	26.00	41.00	60.00	3.216	35.505	25.234	12.00	18.00	28.00	46.00	68.00
0.10	3.026	0.2588440	0.0187933	0.80	1.40	10.587	4.588	6.00	7.00	10.00	13.00	17.00	3.216	11.300	4.928	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	1.40	6.048	1.866	4.00	5.00	6.00	7.00	8.00	3.216	6.324	1.946	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	1.40	4.244	1.030	3.00	4.00	4.00	5.00	6.00	3.216	4.404	1.045	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	1.40	3.277	0.651	3.00	3.00	3.00	4.00	4.00	3.216	3.407	0.670	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	0.90	37.257	28.190	11.00	17.00	29.00	48.00	74.00	3.216	41.277	30.958	12.00	20.00	32.00	54.00	81.00
0.10	3.026	0.2588440	0.0187933	1.20	0.90	12.016	5.942	6.00	8.00	11.00	15.00	20.00	3.216	12.835	6.366	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	0.90	7.177	2.744	4.00	5.00	7.00	9.00	11.00	3.216	7.503	2.821	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	0.90	5.160	1.627	3.00	4.00	5.00	6.00	7.00	3.216	5.354	1.663	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	0.90	35.812	26.157	12.00	17.00	28.00	46.00	69.00	3.216	40.093	29.749	13.00	19.00	32.00	52.00	77.00
0.10	3.026	0.2588440	0.0187933	0.80	0.90	10.664	4.653	6.00	7.00	10.00	13.00	17.00	3.216	11.373	4.964	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	0.90	6.042	1.858	4.00	5.00	6.00	7.00	9.00	3.216	6.344	1.971	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	0.90	4.224	1.041	3.00	3.00	4.00	5.00	6.00	3.216	4.402	1.051	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	0.90	3.281	0.659	3.00	3.00	3.00	4.00	4.00	3.216	3.414	0.675	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	0.80	36.528	27.331	11.00	17.00	29.00	47.00	71.00	3.216	41.763	32.021	12.00	19.00	33.00	55.00	83.00
0.10	3.026	0.2588440	0.0187933	1.20	0.80	12.196	6.036	6.00	8.00	11.00	15.00	20.00	3.216	12.863	6.424	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	0.80	7.179	2.754	4.00	5.00	7.00	9.00	11.00	3.216	7.422	2.799	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	0.80	5.138	1.637	3.00	4.00	5.00	6.00	7.00	3.216	5.360	1.713	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	0.80	35.888	26.045	12.00	18.00	28.00	46.00	69.00	3.216	40.600	29.455	13.00	20.00	32.00	53.00	80.00
0.10	3.026	0.2588440	0.0187933	0.80	0.80	10.646	4.661	6.00	7.00	10.00	13.00	17.00	3.216	11.289	4.971	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	0.80	6.055	1.891	4.00	5.00	6.00	7.00	9.00	3.216	6.329	1.940	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	0.80	4.233	1.053	3.00	4.00	4.00	5.00	6.00	3.216	4.386	1.052	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	0.80	3.279	0.659	3.00	3.00	3.00	4.00	4.00	3.216	3.400	0.675	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	0.70	36.580	27.160	11.00	17.00	29.00	48.00	72.00	3.216	41.067	31.483	12.00	19.00	32.00	53.00	81.00
0.10	3.026	0.2588440	0.0187933	1.20	0.70	12.141	6.052	6.00	8.00	11.00	15.00	20.00	3.216	12.934	6.388	6.00	8.00	12.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	0.70	7.155	2.727	4.00	5.00	7.00	9.00	11.00	3.216	7.461	2.776	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	0.70	5.170	1.624	3.00	4.00	5.00	6.00	7.00	3.216	5.372	1.682	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	0.70	36.081	25.964	12.00	18.00	29.00	46.00	70.00	3.216	39.866	29.073	13.00	19.00	32.00	51.00	77.00
0.10	3.026	0.2588440	0.0187933	0.80	0.70	10.690	4.544	6.00	7.00	10.00	13.00	17.00	3.216	11.364	5.000	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	0.70	6.062	1.841	4.00	5.00	6.00	7.00	8.00	3.216	6.343	1.950	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	0.70	4.239	1.028	3.00	4.00	4.00	5.00	6.00	3.216	4.405	1.081	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	0.70	3.274	0.657	3.00	3.00	3.00	4.00	4.00	3.216	3.397	0.673	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	0.60	35.870	26.044	12.00	18.00	29.00	47.00	70.00	3.216	40.352	30.279	12.00	19.00	32.00	53.00	80.00
0.10	3.026	0.2588440	0.0187933	1.20	0.60	11.992	5.915	6.00	8.00	11.00	15.00	20.00	3.216	12.712	6.291	6.00	8.00	11.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	0.60	7.155	2.763	4.00	5.00	7.00	9.00	11.00	3.216	7.505	2.862	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	0.60	5.119	1.618	3.00	4.00	5.00	6.00	7.00	3.216	5.343	1.680	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	0.60	34.739	24.482	12.00	18.00	28.00	45.00	66.00	3.216	40.109	29.199	13.00	20.00	32.00	52.00	78.10
0.10	3.026	0.2588440	0.0187933	0.80	0.60	10.678	4.594	6.00	7.00	10.00	13.00	17.00	3.216	11.452	4.964	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	0.60	6.083	1.877	4.00	5.00	6.00	7.00	9.00	3.216	6.362	1.935	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	0.60	4.257	1.049	3.00	4.00	4.00	5.00	6.00	3.216	4.406	1.059	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	0.60	3.276	0.651	3.00	3.00	3.00	4.00	4.00	3.216	3.414	0.684	3.00	3.00	3.00	4.00	4.00
0.10	3.026	0.2588440	0.0187933	1.10	0.50	34.350	23.970	11.00	18.00	28.00	44.00	65.00	3.216	39.335	28.585	12.00	19.00	31.00	51.00	77.00
0.10	3.026	0.2588440	0.0187933	1.20	0.50	12.160	6.013	6.00	8.00	11.00	15.00	20.00	3.216	12.909	6.375	6.00	8.00	12.00	16.00	21.00
0.10	3.026	0.2588440	0.0187933	1.30	0.50	7.201	2.722	4.00	5.00	7.00	9.00	11.00	3.216	7.455	2.820	4.00	5.00	7.00	9.00	11.00
0.10	3.026	0.2588440	0.0187933	1.40	0.50	5.133	1.640	3.00	4.00	5.00	6.00	7.00	3.216	5.380	1.713	3.00	4.00	5.00	6.00	8.00
0.10	3.026	0.2588440	0.0187933	0.90	0.50	33.621	23.105	12.00	17.00	27.00	43.00	64.00	3.216	38.530	27.216	13.00	20.00	31.00	49.00	73.00
0.10	3.026	0.2588440	0.0187933	0.80	0.50	10.678	4.625	6.00	7.00	10.00	13.00	17.00	3.216	11.301	4.877	6.00	8.00	10.00	14.00	18.00
0.10	3.026	0.2588440	0.0187933	0.70	0.50	6.078	1.897	4.00	5.00	6.00	7.00	9.00	3.216	6.349	1.947	4.00	5.00	6.00	7.00	9.00
0.10	3.026	0.2588440	0.0187933	0.60	0.50	4.237	1.041	3.00	4.00	4.00	5.00	6.00	3.216	4.396	1.057	3.00	4.00	4.00	5.00	6.00
0.10	3.026	0.2588440	0.0187933	0.50	0.50	3.277	0.653	3.00	3.00	3.00	4.00	4.00	3.216	3.395	0.662	3.00	3.00	3.00	4.00	4.00
0.15	3.219	0.3210252	0.0284260	1.00	1.00	370.938	365.482	45.00	112.00	262.00	514.00	833.10	3.402	500.240	496.316	57.00	150.00	350.00	683.00	1147.10
0.15	3.219	0.3210252	0.0284260	1.10	1.10	40.554	34.059	10.00	17.00	30.00	54.00	85.00	3.402	47.261	39.795	11.00	19.00	35.00	63.00	98.00
0.15	3.219	0.3210252	0.0284260	1.20																

0.15	3.219	0.3210252	0.0284260	0.70	1.10	5.686	2.019	4.00	4.00	5.00	7.00	8.00	3.402	5.908	2.079	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	1.10	3.839	1.051	3.00	3.00	4.00	4.00	5.00	3.402	4.013	1.097	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	1.10	2.921	0.682	2.00	2.00	3.00	3.00	4.00	3.402	3.047	0.710	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	1.20	39.706	32.784	10.00	17.00	30.00	53.00	82.00	3.402	45.173	37.781	11.00	19.00	34.00	60.00	95.00
0.15	3.219	0.3210252	0.0284260	1.20	1.20	12.229	7.043	5.00	7.00	11.00	15.00	22.00	3.402	13.003	7.680	6.00	8.00	11.00	16.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	1.20	6.719	2.924	4.00	5.00	6.00	8.00	11.00	3.402	7.098	3.137	4.00	5.00	6.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	1.20	4.703	1.687	3.00	4.00	4.00	6.00	7.00	3.402	4.943	1.777	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	1.20	40.994	33.468	11.00	18.00	31.00	54.00	84.00	3.402	47.903	39.819	12.00	20.00	36.00	63.00	100.00
0.15	3.219	0.3210252	0.0284260	0.80	1.20	10.801	5.484	5.00	7.00	9.00	13.00	18.00	3.402	11.410	5.887	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	1.20	5.673	2.037	3.00	4.00	5.00	7.00	8.00	3.402	5.933	2.120	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	1.20	3.830	1.054	3.00	3.00	4.00	4.00	5.00	3.402	3.988	1.077	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	1.20	2.925	0.693	2.00	2.00	3.00	3.00	4.00	3.402	3.032	0.705	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	1.30	38.074	31.424	10.00	16.00	29.00	50.00	79.00	3.402	44.692	37.174	11.00	19.00	34.00	59.00	93.00
0.15	3.219	0.3210252	0.0284260	1.20	1.30	12.172	7.108	5.00	7.00	10.00	15.00	21.00	3.402	12.960	7.515	6.00	8.00	11.00	16.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	1.30	6.718	2.930	4.00	5.00	6.00	8.00	11.00	3.402	7.082	3.069	4.00	5.00	7.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	1.30	4.746	1.695	3.00	4.00	4.00	6.00	7.00	3.402	4.949	1.767	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	1.30	39.290	31.405	11.00	17.00	30.00	52.00	80.00	3.402	45.536	37.428	12.00	19.00	35.00	60.00	94.00
0.15	3.219	0.3210252	0.0284260	0.80	1.30	10.698	5.328	5.00	7.00	10.00	13.00	18.00	3.402	11.392	5.922	5.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	1.30	5.656	2.017	4.00	4.00	5.00	7.00	8.00	3.402	5.939	2.104	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	1.30	3.835	1.067	3.00	3.00	4.00	4.00	5.00	3.402	3.992	1.097	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	1.30	2.928	0.692	2.00	2.00	3.00	3.00	4.00	3.402	3.035	0.690	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	1.40	36.306	29.720	9.00	16.00	27.00	48.00	74.00	3.402	41.629	34.459	11.00	17.00	31.00	55.00	86.10
0.15	3.219	0.3210252	0.0284260	1.20	1.40	11.936	6.850	5.00	7.00	10.00	15.00	21.00	3.402	12.800	7.448	5.00	8.00	11.00	16.00	22.00
0.15	3.219	0.3210252	0.0284260	1.30	1.40	6.737	2.955	4.00	5.00	6.00	8.00	11.00	3.402	7.085	3.088	4.00	5.00	6.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	1.40	4.721	1.703	3.00	4.00	4.00	6.00	7.00	3.402	4.940	1.789	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	1.40	37.846	29.977	10.00	16.00	29.00	50.00	77.00	3.402	44.154	36.406	12.00	19.00	33.00	58.00	91.00
0.15	3.219	0.3210252	0.0284260	0.80	1.40	10.666	5.384	5.00	7.00	9.00	13.00	18.00	3.402	11.450	5.875	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	1.40	5.674	2.052	3.00	4.00	5.00	7.00	8.00	3.402	5.930	2.102	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	1.40	3.834	1.058	3.00	3.00	4.00	4.00	5.00	3.402	4.013	1.102	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	1.40	2.927	0.693	2.00	2.00	3.00	3.00	4.00	3.402	3.030	0.693	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	0.90	42.814	35.906	10.00	18.00	32.00	56.00	90.00	3.402	48.099	40.887	11.00	19.00	36.00	65.00	100.00
0.15	3.219	0.3210252	0.0284260	1.20	0.90	12.244	7.116	5.00	7.00	10.00	15.00	21.00	3.402	13.213	7.855	6.00	8.00	11.00	17.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	0.90	6.726	2.942	4.00	5.00	6.00	8.00	10.00	3.402	7.064	3.130	4.00	5.00	6.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	0.90	4.716	1.696	3.00	4.00	4.00	6.00	7.00	3.402	4.929	1.776	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	0.90	43.682	35.685	11.00	18.00	33.00	58.00	91.00	3.402	52.078	43.475	13.00	21.00	39.00	70.00	108.00
0.15	3.219	0.3210252	0.0284260	0.80	0.90	10.715	5.517	5.00	7.00	9.00	13.00	18.00	3.402	11.360	5.859	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	0.90	5.656	2.002	4.00	4.00	5.00	7.00	8.00	3.402	5.933	2.106	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	0.90	3.839	1.060	3.00	3.00	4.00	4.00	5.00	3.402	4.009	1.102	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	0.90	2.915	0.685	2.00	2.00	3.00	3.00	4.00	3.402	3.031	0.694	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	0.80	43.093	35.800	10.00	18.00	32.00	58.00	91.00	3.402	49.083	42.084	11.00	20.00	37.00	64.25	103.00
0.15	3.219	0.3210252	0.0284260	1.20	0.80	12.298	7.145	5.00	7.00	11.00	16.00	22.00	3.402	13.066	7.720	6.00	8.00	11.00	16.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	0.80	6.762	2.936	4.00	5.00	6.00	8.00	11.00	3.402	7.123	3.127	4.00	5.00	7.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	0.80	4.736	1.687	3.00	4.00	4.00	6.00	7.00	3.402	4.981	1.784	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	0.80	44.541	37.026	11.00	19.00	33.00	59.00	93.00	3.402	52.947	44.132	13.00	22.00	40.00	70.00	110.00
0.15	3.219	0.3210252	0.0284260	0.80	0.80	10.789	5.639	5.00	7.00	9.00	13.00	18.00	3.402	11.448	5.897	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	0.80	5.660	2.022	4.00	4.00	5.00	7.00	8.00	3.402	5.897	2.086	4.00	4.00	5.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	0.80	3.840	1.036	3.00	3.00	4.00	4.00	5.00	3.402	4.013	1.096	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	0.80	2.937	0.696	2.00	2.00	3.00	3.00	4.00	3.402	3.042	0.688	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	0.70	43.798	37.043	10.00	18.00	33.00	58.00	91.10	3.402	49.692	41.805	12.00	20.00	37.00	67.00	105.00
0.15	3.219	0.3210252	0.0284260	1.20	0.70	12.185	7.112	5.00	7.00	10.00	15.00	21.00	3.402	13.185	7.765	6.00	8.00	11.00	17.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	0.70	6.725	2.939	4.00	5.00	6.00	8.00	11.00	3.402	7.154	3.141	4.00	5.00	7.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	0.70	4.730	1.692	3.00	4.00	4.00	6.00	7.00	3.402	4.937	1.744	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	0.70	44.633	36.504	11.00	19.00	34.00	59.00	91.00	3.402	52.322	44.321	13.00	21.00	39.00	70.00	109.00
0.15	3.219	0.3210252	0.0284260	0.80	0.70	10.690	5.481	5.00	7.00	9.00	13.00	18.00	3.402	11.395	5.888	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	0.70	5.635	2.022	4.00	4.00	5.00	7.00	8.00	3.402	5.924	2.108	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	0.70	3.852	1.061	3.00	3.00	4.00	4.00	5.00	3.402	4.008	1.093	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	0.70	2.925	0.690	2.00	2.00	3.00	3.00	4.00	3.402	3.031	0.692	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	0.60	43.358	36.394	10.00												

0.15	3.219	0.3210252	0.0284260	0.80	0.60	10.756	5.570	5.00	7.00	9.00	13.00	18.00	3.402	11.496	5.984	6.00	7.00	10.00	14.00	19.00
0.15	3.219	0.3210252	0.0284260	0.70	0.60	5.669	2.015	4.00	4.00	5.00	7.00	8.00	3.402	5.925	2.132	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	0.60	3.849	1.055	3.00	3.00	4.00	4.00	5.00	3.402	4.009	1.097	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	0.60	2.922	0.696	2.00	2.00	3.00	3.00	4.00	3.402	3.040	0.688	2.00	3.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	1.10	0.50	43.062	35.490	10.00	18.00	33.00	58.00	90.00	3.402	49.978	42.642	11.00	20.00	37.00	67.00	106.00
0.15	3.219	0.3210252	0.0284260	1.20	0.50	12.318	7.115	5.00	7.00	11.00	15.00	22.00	3.402	13.093	7.687	6.00	8.00	11.00	16.00	23.00
0.15	3.219	0.3210252	0.0284260	1.30	0.50	6.756	2.982	4.00	5.00	6.00	8.00	11.00	3.402	7.086	3.094	4.00	5.00	6.00	9.00	11.00
0.15	3.219	0.3210252	0.0284260	1.40	0.50	4.711	1.680	3.00	4.00	4.00	6.00	7.00	3.402	4.917	1.742	3.00	4.00	5.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.90	0.50	45.181	37.553	12.00	19.00	34.00	60.00	94.00	3.402	52.848	44.721	13.00	21.00	39.00	70.00	111.00
0.15	3.219	0.3210252	0.0284260	0.80	0.50	10.772	5.638	5.00	7.00	9.00	13.00	18.00	3.402	11.684	6.094	6.00	7.00	10.00	14.00	20.00
0.15	3.219	0.3210252	0.0284260	0.70	0.50	5.677	2.050	4.00	4.00	5.00	7.00	8.00	3.402	5.923	2.085	4.00	4.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.60	0.50	3.838	1.051	3.00	3.00	4.00	4.00	5.00	3.402	3.992	1.083	3.00	3.00	4.00	5.00	5.00
0.15	3.219	0.3210252	0.0284260	0.50	0.50	2.920	0.687	2.00	2.00	3.00	3.00	4.00	3.402	3.035	0.692	2.00	3.00	3.00	3.00	4.00

ARL₀ = 370

ARL₀ = 500

Case 3																				
$\phi=80$																				
0.05	2.686	0.1809939	0.0093239	1.10	1.10	50.547	35.374	17.00	26.00	41.00	65.00	97.00	2.880	56.633	40.257	19.00	28.00	46.00	74.00	108.00
0.05	2.686	0.1809939	0.0093239	1.20	1.10	19.452	9.196	10.00	13.00	18.00	24.00	32.00	2.880	20.881	9.918	10.00	14.00	19.00	26.00	34.00
0.05	2.686	0.1809939	0.0093239	1.30	1.10	11.769	4.381	7.00	9.00	11.00	14.00	18.00	2.880	12.489	4.705	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	1.10	8.620	2.778	5.00	7.00	8.00	10.00	12.00	2.880	9.042	2.857	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	1.10	49.237	33.107	18.00	26.00	40.00	63.00	92.00	2.880	54.825	38.079	20.00	28.00	45.00	69.00	104.00
0.05	2.686	0.1809939	0.0093239	0.80	1.10	17.328	7.227	10.00	12.00	16.00	21.00	27.00	2.880	18.575	7.804	10.00	13.00	17.00	23.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	1.10	10.169	3.161	7.00	8.00	10.00	12.00	14.00	2.880	10.679	3.282	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	1.10	7.088	1.747	5.00	6.00	7.00	8.00	9.00	2.880	7.422	1.776	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	1.10	5.445	1.109	4.00	5.00	5.00	6.00	7.00	2.880	5.699	1.129	4.00	5.00	6.00	6.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	1.20	49.250	33.255	17.00	26.00	41.00	63.00	93.00	2.880	54.918	38.387	19.00	28.00	44.00	71.00	105.00
0.05	2.686	0.1809939	0.0093239	1.20	1.20	19.347	9.220	10.00	13.00	17.00	24.00	31.00	2.880	20.563	9.807	10.00	14.00	19.00	25.00	33.00
0.05	2.686	0.1809939	0.0093239	1.30	1.20	11.785	4.422	7.00	9.00	11.00	14.00	18.00	2.880	12.529	4.662	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	1.20	8.654	2.820	5.00	7.00	8.00	10.00	12.00	2.880	9.050	2.875	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	1.20	47.258	31.243	17.00	25.00	39.00	60.00	87.00	2.880	53.130	36.114	19.00	28.00	43.00	68.00	100.00
0.05	2.686	0.1809939	0.0093239	0.80	1.20	17.480	7.373	10.00	12.00	16.00	21.00	27.00	2.880	18.364	7.658	10.00	13.00	17.00	22.00	28.10
0.05	2.686	0.1809939	0.0093239	0.70	1.20	10.142	3.113	7.00	8.00	10.00	12.00	14.00	2.880	10.607	3.265	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	1.20	7.109	1.761	5.00	6.00	7.00	8.00	9.00	2.880	7.416	1.805	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	1.20	5.453	1.113	4.00	5.00	5.00	6.00	7.00	2.880	5.679	1.133	4.00	5.00	6.00	6.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	1.30	45.830	30.614	16.00	24.00	38.00	59.00	86.00	2.880	51.901	35.851	18.00	27.00	42.00	67.00	98.00
0.05	2.686	0.1809939	0.0093239	1.20	1.30	19.350	9.165	10.00	13.00	17.00	24.00	31.00	2.880	20.488	9.564	10.00	14.00	19.00	25.00	33.00
0.05	2.686	0.1809939	0.0093239	1.30	1.30	11.873	4.470	7.00	9.00	11.00	14.00	18.00	2.880	12.408	4.684	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	1.30	8.586	2.746	5.00	7.00	8.00	10.00	12.00	2.880	9.032	2.844	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	1.30	45.163	29.014	17.00	25.00	38.00	58.00	85.00	2.880	50.433	33.765	19.00	27.00	41.00	64.00	94.00
0.05	2.686	0.1809939	0.0093239	0.80	1.30	17.183	7.270	10.00	12.00	16.00	21.00	27.00	2.880	18.356	7.579	10.00	13.00	17.00	22.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	1.30	10.155	3.188	7.00	8.00	10.00	12.00	14.00	2.880	10.683	3.275	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	1.30	7.077	1.700	5.00	6.00	7.00	8.00	9.00	2.880	7.420	1.773	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	1.30	5.430	1.087	4.00	5.00	5.00	6.00	7.00	2.880	5.686	1.130	4.00	5.00	6.00	6.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	1.40	43.720	28.816	16.00	23.00	36.00	57.00	82.00	2.880	48.376	32.276	17.00	25.00	40.00	62.00	91.00
0.05	2.686	0.1809939	0.0093239	1.20	1.40	19.249	9.176	10.00	13.00	17.00	24.00	31.00	2.880	20.437	9.532	10.00	14.00	18.00	25.00	33.00
0.05	2.686	0.1809939	0.0093239	1.30	1.40	11.813	4.419	7.00	9.00	11.00	14.00	18.00	2.880	12.436	4.687	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	1.40	8.553	2.754	5.00	7.00	8.00	10.00	12.00	2.880	9.037	2.876	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	1.40	42.475	26.722	17.00	24.00	35.00	54.00	77.00	2.880	48.185	30.601	18.00	27.00	40.00	61.00	88.00
0.05	2.686	0.1809939	0.0093239	0.80	1.40	17.132	7.266	9.00	12.00	16.00	21.00	27.00	2.880	18.301	7.646	10.00	13.00	17.00	22.00	28.00
0.05	2.686	0.1809939	0.0093239	0.70	1.40	10.087	3.125	7.00	8.00	10.00	12.00	14.00	2.880	10.664	3.263	7.00	8.00	10.00	12.25	15.00
0.05	2.686	0.1809939	0.0093239	0.60	1.40	7.090	1.730	5.00	6.00	7.00	8.00	9.00	2.880	7.415	1.783	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	1.40	5.452	1.117	4.00	5.00	5.00	6.00	7.00	2.880	5.665	1.119	4.00	5.00	6.00	6.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	0.90	53.029	37.615	18.00	27.00	43.00	69.00	102.00	2.880	58.561	41.678	19.00	29.00	47.00	76.00	114.00
0.05	2.686	0.1809939	0.0093239	1.20	0.90	19.569	9.378	10.00	13.00	18.00	24.00	32.00	2.880	20.850	10.011	10.00	14.00	19.00	26.00	34.00
0.05	2.686	0.1809939	0.0093239	1.30	0.90	11.960	4.579	7.00	9.00	11.00	14.00	18.00	2.880	12.511	4.683	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.90	8.651	2.768	6.00	7.00	8.00	10.00	12.00	2.880	9.048	2.904	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	0.90	50.396	33.333	19.00	27.00	42.00	64.00	93.00	2.880	56.023	38.000	20.00	29.00	45.00	72.00	107.00
0.05	2.686	0.1809939	0.0093239	0.80	0.90	17.478	7.437	10.00	12.00	16.00	21.00	27.00	2.880	18.515	7.847	10.00	13.00	17.00	22.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	0.90	10.164	3.186	7.00	8.00	10.00	1									

0.05	2.686	0.1809939	0.0093239	1.20	0.80	19.675	9.643	10.00	13.00	18.00	24.00	32.00	2.880	20.930	10.165	10.00	14.00	19.00	26.00	34.00
0.05	2.686	0.1809939	0.0093239	1.30	0.80	11.890	4.428	7.00	9.00	11.00	14.00	18.00	2.880	12.513	4.644	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.80	8.596	2.794	5.00	7.00	8.00	10.00	12.00	2.880	9.023	2.849	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	0.80	50.015	33.260	19.00	27.00	41.00	64.00	94.00	2.880	55.812	38.110	20.00	29.00	45.00	71.00	105.00
0.05	2.686	0.1809939	0.0093239	0.80	0.80	17.466	7.337	10.00	12.00	16.00	21.00	27.00	2.880	18.569	7.795	10.00	13.00	17.00	22.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	0.80	10.130	3.128	7.00	8.00	10.00	12.00	14.00	2.880	10.659	3.276	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	0.80	7.105	1.724	5.00	6.00	7.00	8.00	9.00	2.880	7.460	1.789	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	0.80	5.442	1.113	4.00	5.00	5.00	6.00	7.00	2.880	5.681	1.140	4.00	5.00	6.00	7.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	0.70	48.580	32.491	18.00	26.00	40.00	62.00	90.00	2.880	54.738	36.721	19.00	29.00	45.00	71.00	103.00
0.05	2.686	0.1809939	0.0093239	1.20	0.70	19.512	9.324	10.00	13.00	18.00	24.00	32.00	2.880	20.852	9.978	10.00	14.00	19.00	25.00	34.00
0.05	2.686	0.1809939	0.0093239	1.30	0.70	11.883	4.534	7.00	9.00	11.00	14.00	18.00	2.880	12.494	4.679	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.70	8.681	2.814	5.00	7.00	8.00	10.00	12.00	2.880	9.066	2.894	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	0.70	46.879	29.734	18.00	26.00	39.00	59.00	85.00	2.880	53.534	35.142	20.00	29.00	44.00	68.00	100.00
0.05	2.686	0.1809939	0.0093239	0.80	0.70	17.514	7.327	10.00	12.00	16.00	21.00	27.00	2.880	18.560	7.848	10.00	13.00	17.00	22.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	0.70	10.127	3.136	7.00	8.00	10.00	12.00	14.00	2.880	10.702	3.260	7.00	8.00	10.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	0.70	7.112	1.767	5.00	6.00	7.00	8.00	9.00	2.880	7.437	1.785	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	0.70	5.449	1.111	4.00	5.00	5.00	6.00	7.00	2.880	5.679	1.130	4.00	5.00	6.00	7.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	0.60	44.430	27.653	18.00	25.00	38.00	56.00	80.00	2.880	49.469	31.391	19.00	28.00	42.00	63.00	90.00
0.05	2.686	0.1809939	0.0093239	1.20	0.60	19.543	9.236	10.00	13.00	18.00	24.00	32.00	2.880	20.565	9.666	10.00	14.00	19.00	25.00	33.00
0.05	2.686	0.1809939	0.0093239	1.30	0.60	11.881	4.474	7.00	9.00	11.00	14.00	18.00	2.880	12.533	4.631	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.60	8.611	2.790	5.00	7.00	8.00	10.00	12.00	2.880	9.064	2.895	6.00	7.00	9.00	11.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	0.60	43.051	25.429	18.00	25.00	37.00	55.00	75.00	2.880	49.187	30.173	20.00	28.00	41.00	62.00	89.00
0.05	2.686	0.1809939	0.0093239	0.80	0.60	17.418	7.234	10.00	12.00	16.00	21.00	27.00	2.880	18.585	7.721	10.00	13.00	17.00	23.00	29.00
0.05	2.686	0.1809939	0.0093239	0.70	0.60	10.183	3.164	7.00	8.00	10.00	12.00	14.00	2.880	10.630	3.257	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	0.60	7.087	1.757	5.00	6.00	7.00	8.00	9.00	2.880	7.435	1.801	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	0.60	5.437	1.094	4.00	5.00	5.00	6.00	7.00	2.880	5.690	1.131	4.00	5.00	6.00	7.00	7.00
0.05	2.686	0.1809939	0.0093239	1.10	0.50	38.468	21.988	17.00	23.00	33.00	48.00	67.00	2.880	42.529	24.449	19.00	25.00	37.00	53.00	74.00
0.05	2.686	0.1809939	0.0093239	1.20	0.50	19.253	8.739	10.00	13.00	18.00	24.00	31.00	2.880	20.313	9.200	10.00	14.00	19.00	25.00	32.00
0.05	2.686	0.1809939	0.0093239	1.30	0.50	11.823	4.489	7.00	9.00	11.00	14.00	18.00	2.880	12.537	4.657	7.00	9.00	12.00	15.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.50	8.652	2.762	5.00	7.00	8.00	10.00	12.00	2.880	8.944	2.841	6.00	7.00	9.00	10.00	13.00
0.05	2.686	0.1809939	0.0093239	0.90	0.50	37.734	20.349	17.00	23.00	33.00	47.00	65.00	2.880	42.254	23.330	19.00	26.00	37.00	52.25	73.00
0.05	2.686	0.1809939	0.0093239	0.80	0.50	17.014	6.879	10.00	12.00	16.00	20.00	26.00	2.880	18.370	7.552	10.00	13.00	17.00	22.00	28.00
0.05	2.686	0.1809939	0.0093239	0.70	0.50	10.152	3.100	7.00	8.00	10.00	12.00	14.00	2.880	10.632	3.304	7.00	8.00	10.00	12.00	15.00
0.05	2.686	0.1809939	0.0093239	0.60	0.50	7.157	1.775	5.00	6.00	7.00	8.00	9.00	2.880	7.425	1.805	5.00	6.00	7.00	8.00	10.00
0.05	2.686	0.1809939	0.0093239	0.50	0.50	5.456	1.113	4.00	5.00	5.00	6.00	7.00	2.880	5.701	1.146	4.00	5.00	6.00	7.00	7.00
0.10	3.015	0.2595725	0.0188190	1.00	1.00	370.785	365.286	46.00	111.00	259.00	509.00	845.00	3.204	499.594	484.227	62.00	152.00	343.00	694.00	1148.00
0.10	3.015	0.2595725	0.0188190	1.10	1.10	57.525	48.172	14.00	24.00	43.00	76.00	120.00	3.204	68.429	59.078	16.00	27.00	50.00	91.00	145.00
0.10	3.015	0.2595725	0.0188190	1.20	1.10	19.084	11.621	8.00	11.00	16.00	24.00	34.00	3.204	20.917	12.814	8.00	12.00	18.00	27.00	37.00
0.10	3.015	0.2595725	0.0188190	1.30	1.10	10.753	5.035	5.00	7.00	10.00	13.00	18.00	3.204	11.198	5.237	6.00	7.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	1.10	7.450	2.938	4.00	5.00	7.00	9.00	11.00	3.204	7.844	3.058	5.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	1.10	61.398	50.782	16.00	26.00	46.00	80.00	127.00	3.204	72.729	59.638	18.00	30.00	55.00	97.00	150.00
0.10	3.015	0.2595725	0.0188190	0.80	1.10	17.031	9.286	8.00	10.00	15.00	21.00	29.00	3.204	18.537	10.346	8.00	11.00	16.00	23.00	32.00
0.10	3.015	0.2595725	0.0188190	0.70	1.10	8.972	3.439	5.00	7.00	8.00	11.00	14.00	3.204	9.481	3.606	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	1.10	6.008	1.773	4.00	5.00	6.00	7.00	8.00	3.204	6.280	1.837	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	1.10	4.511	1.084	3.00	4.00	4.00	5.00	6.00	3.204	4.703	1.125	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	1.20	55.225	45.242	14.00	23.00	42.00	73.00	114.00	3.204	64.160	53.273	15.00	26.00	49.00	86.00	134.00
0.10	3.015	0.2595725	0.0188190	1.20	1.20	19.093	11.870	8.00	11.00	16.00	24.00	34.00	3.204	20.685	12.552	8.00	12.00	18.00	26.00	37.00
0.10	3.015	0.2595725	0.0188190	1.30	1.20	10.684	4.997	5.00	7.00	10.00	13.00	17.00	3.204	11.331	5.344	6.00	8.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	1.20	7.445	2.932	4.00	5.00	7.00	9.00	11.00	3.204	7.795	3.006	4.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	1.20	58.160	47.799	15.00	25.00	43.00	77.00	120.00	3.204	68.399	55.782	17.00	29.00	52.00	91.25	141.10
0.10	3.015	0.2595725	0.0188190	0.80	1.20	16.778	9.064	8.00	10.00	15.00	21.00	28.00	3.204	18.308	9.820	8.00	11.00	16.00	23.00	31.00
0.10	3.015	0.2595725	0.0188190	0.70	1.20	8.966	3.454	5.00	6.00	8.00	11.00	14.00	3.204	9.427	3.603	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	1.20	6.028	1.789	4.00	5.00	6.00	7.00	8.00	3.204	6.322	1.871	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	1.20	4.514	1.097	3.00	4.00	4.00	5.00	6.00	3.204	4.675	1.104	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	1.30	51.469	42.301	13.00	22.00	39.00	68.00	107.00	3.204	59.913	49.962	15.00	25.00	45.00	79.00	125.00
0.10	3.015	0.2595725	0.0188190	1.20	1.30	18.718	11.172	8.00	11.00	16.00	24.00	33.00	3.204	20.190	12.553	8.00	11.00	17.00	25.00	36.00
0.10	3.015	0.2595725	0.0188190	1.30	1.30	10.647	4.902	5.00	7.00	10.										

0.10	3.015	0.2595725	0.0188190	0.50	1.30	4.503	1.100	3.00	4.00	4.00	5.00	6.00	3.204	4.710	1.124	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	1.40	46.998	37.515	13.00	21.00	36.00	62.00	96.00	3.204	54.996	44.799	14.00	24.00	42.00	72.00	114.00
0.10	3.015	0.2595725	0.0188190	1.20	1.40	18.570	11.104	8.00	11.00	16.00	23.00	33.00	3.204	19.965	12.074	8.00	11.00	17.00	25.00	36.00
0.10	3.015	0.2595725	0.0188190	1.30	1.40	10.658	4.931	5.00	7.00	10.00	13.00	17.00	3.204	11.124	5.144	6.00	7.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	1.40	7.399	2.893	4.00	5.00	7.00	9.00	11.00	3.204	7.819	3.050	4.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	1.40	50.537	39.765	14.00	22.00	39.00	66.00	102.00	3.204	58.164	46.514	16.00	25.00	45.00	76.00	118.00
0.10	3.015	0.2595725	0.0188190	0.80	1.40	16.606	8.760	8.00	10.00	15.00	20.00	28.00	3.204	18.032	9.771	8.00	11.00	16.00	22.00	31.00
0.10	3.015	0.2595725	0.0188190	0.70	1.40	8.907	3.419	5.00	6.00	8.00	11.00	13.00	3.204	9.460	3.642	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	1.40	6.020	1.803	4.00	5.00	6.00	7.00	8.00	3.204	6.284	1.834	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	1.40	4.516	1.091	3.00	4.00	4.00	5.00	6.00	3.204	4.689	1.115	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	0.90	62.363	52.816	15.00	25.00	47.00	82.00	131.10	3.204	71.979	62.295	16.00	29.00	53.00	96.00	153.00
0.10	3.015	0.2595725	0.0188190	1.20	0.90	19.418	12.156	8.00	11.00	16.00	24.00	35.00	3.204	21.055	12.945	8.00	12.00	18.00	27.00	38.00
0.10	3.015	0.2595725	0.0188190	1.30	0.90	10.736	5.078	5.00	7.00	10.00	13.00	17.00	3.204	11.360	5.392	6.00	8.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	0.90	7.411	2.871	4.00	5.00	7.00	9.00	11.00	3.204	7.908	3.105	5.00	6.00	7.00	10.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	0.90	65.392	53.131	16.00	28.00	49.00	87.00	136.00	3.204	77.685	65.786	18.00	32.00	58.00	104.00	162.00
0.10	3.015	0.2595725	0.0188190	0.80	0.90	17.370	9.586	8.00	11.00	15.00	22.00	30.00	3.204	18.486	10.159	8.00	11.00	16.00	23.00	32.00
0.10	3.015	0.2595725	0.0188190	0.70	0.90	8.965	3.435	5.00	7.00	8.00	11.00	13.00	3.204	9.446	3.691	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	0.90	5.998	1.791	4.00	5.00	6.00	7.00	8.00	3.204	6.292	1.844	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	0.90	4.506	1.086	3.00	4.00	4.00	5.00	6.00	3.204	4.685	1.123	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	0.80	61.642	51.911	15.00	25.00	46.00	81.00	130.00	3.204	73.884	64.226	17.00	29.00	55.00	98.00	158.00
0.10	3.015	0.2595725	0.0188190	1.20	0.80	19.217	11.876	8.00	11.00	16.00	24.00	35.00	3.204	20.899	13.006	8.00	12.00	18.00	26.00	37.00
0.10	3.015	0.2595725	0.0188190	1.30	0.80	10.636	4.975	5.00	7.00	10.00	13.00	17.00	3.204	11.237	5.268	6.00	8.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	0.80	7.455	2.894	4.00	5.00	7.00	9.00	11.00	3.204	7.824	3.038	5.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	0.80	66.732	55.526	17.00	28.00	50.00	88.00	139.00	3.204	78.524	66.592	19.00	32.00	58.00	105.00	165.00
0.10	3.015	0.2595725	0.0188190	0.80	0.80	17.112	9.196	8.00	11.00	15.00	21.00	29.00	3.204	18.565	10.228	9.00	11.00	16.00	23.00	32.00
0.10	3.015	0.2595725	0.0188190	0.70	0.80	8.931	3.407	5.00	7.00	8.00	11.00	13.00	3.204	9.446	3.622	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	0.80	5.973	1.739	4.00	5.00	6.00	7.00	8.00	3.204	6.307	1.895	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	0.80	4.515	1.096	3.00	4.00	4.00	5.00	6.00	3.204	4.694	1.129	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	0.70	61.148	50.701	15.00	25.00	46.00	82.00	127.00	3.204	71.593	61.217	17.00	28.00	53.00	95.00	150.00
0.10	3.015	0.2595725	0.0188190	1.20	0.70	19.322	11.828	8.00	11.00	16.00	24.00	35.00	3.204	20.865	12.744	8.00	12.00	18.00	26.00	38.00
0.10	3.015	0.2595725	0.0188190	1.30	0.70	10.737	5.048	5.00	7.00	10.00	13.00	17.00	3.204	11.402	5.484	6.00	8.00	10.00	14.00	19.00
0.10	3.015	0.2595725	0.0188190	1.40	0.70	7.428	2.897	4.00	5.00	7.00	9.00	11.00	3.204	7.861	3.098	4.90	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	0.70	66.100	54.136	17.00	28.00	50.00	88.00	137.00	3.204	78.058	64.943	19.00	32.00	59.00	104.00	162.00
0.10	3.015	0.2595725	0.0188190	0.80	0.70	16.993	9.207	8.00	10.00	15.00	21.00	29.00	3.204	18.577	10.080	9.00	11.00	16.00	23.00	31.10
0.10	3.015	0.2595725	0.0188190	0.70	0.70	8.957	3.402	5.00	7.00	8.00	11.00	13.00	3.204	9.502	3.653	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	0.70	6.025	1.770	4.00	5.00	6.00	7.00	8.00	3.204	6.291	1.888	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	0.70	4.520	1.084	3.00	4.00	4.00	5.00	6.00	3.204	4.698	1.126	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	0.60	58.284	48.324	15.00	25.00	45.00	77.00	118.00	3.204	68.678	57.521	17.00	28.00	52.00	91.00	144.00
0.10	3.015	0.2595725	0.0188190	1.20	0.60	19.333	11.692	8.00	11.00	16.00	25.00	35.00	3.204	21.052	12.954	8.00	12.00	18.00	27.00	38.00
0.10	3.015	0.2595725	0.0188190	1.30	0.60	10.773	5.102	5.00	7.00	10.00	13.00	18.00	3.204	11.406	5.371	6.00	8.00	10.00	14.00	19.00
0.10	3.015	0.2595725	0.0188190	1.40	0.60	7.492	2.917	4.00	5.00	7.00	9.00	11.00	3.204	7.893	3.079	5.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	0.60	61.062	48.850	16.00	27.00	46.00	80.00	125.00	3.204	75.454	62.146	19.00	32.00	57.00	99.00	157.00
0.10	3.015	0.2595725	0.0188190	0.80	0.60	17.047	9.240	8.00	11.00	15.00	21.00	29.00	3.204	18.503	10.088	8.00	11.00	16.00	23.00	32.00
0.10	3.015	0.2595725	0.0188190	0.70	0.60	8.924	3.418	5.00	7.00	8.00	11.00	13.00	3.204	9.487	3.665	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	0.60	6.026	1.798	4.00	5.00	6.00	7.00	8.00	3.204	6.293	1.844	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	0.60	4.510	1.084	3.00	4.00	4.00	5.00	6.00	3.204	4.705	1.136	3.00	4.00	5.00	5.00	6.00
0.10	3.015	0.2595725	0.0188190	1.10	0.50	51.423	39.565	15.00	24.00	40.00	67.00	103.00	3.204	62.367	50.475	17.00	28.00	48.00	81.00	127.00
0.10	3.015	0.2595725	0.0188190	1.20	0.50	19.078	11.387	8.00	11.00	16.00	24.00	34.00	3.204	20.656	12.359	8.00	12.00	18.00	26.00	37.00
0.10	3.015	0.2595725	0.0188190	1.30	0.50	10.676	5.033	5.00	7.00	10.00	13.00	17.00	3.204	11.319	5.396	6.00	8.00	10.00	14.00	18.00
0.10	3.015	0.2595725	0.0188190	1.40	0.50	7.481	2.945	4.00	5.00	7.00	9.00	11.00	3.204	7.809	3.047	4.00	6.00	7.00	9.00	12.00
0.10	3.015	0.2595725	0.0188190	0.90	0.50	54.477	40.625	17.00	26.00	43.00	71.00	108.00	3.204	66.931	52.408	19.00	30.00	51.00	88.00	136.00
0.10	3.015	0.2595725	0.0188190	0.80	0.50	17.021	9.035	8.00	11.00	15.00	21.00	29.00	3.204	18.546	9.910	9.00	11.00	16.00	23.00	31.00
0.10	3.015	0.2595725	0.0188190	0.70	0.50	8.944	3.459	5.00	6.00	8.00	11.00	13.00	3.204	9.473	3.637	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.60	0.50	6.005	1.773	4.00	5.00	6.00	7.00	8.00	3.204	6.293	1.862	4.00	5.00	6.00	7.00	9.00
0.10	3.015	0.2595725	0.0188190	0.50	0.50	4.498	1.068	3.00	4.00	4.00	5.00	6.00	3.204	4.703	1.122	3.00	4.00	5.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.00	1.00	370.858	370.921	42.00	107.00	253.00	520.00	860.00	3.387	499.567	501.873	55.00	145.00	340.00	687.00	1140.00
0.15	3.209	0.3224310	0.0286744	1.10	1.10	67.341	60.582	13.00	25.00	49.00	91.00	144.00	3							

0.15	3.209	0.3224310	0.0286744	0.70	1.10	8.814	3.982	5.00	6.00	8.00	11.00	14.00	3.387	9.445	4.291	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	1.10	5.616	1.906	4.00	4.00	5.00	7.00	8.00	3.387	5.869	1.996	4.00	4.00	5.00	7.00	9.00
0.15	3.209	0.3224310	0.0286744	0.50	1.10	4.108	1.127	3.00	3.00	4.00	5.00	6.00	3.387	4.272	1.149	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	1.20	64.780	56.605	13.00	24.00	48.00	88.00	140.00	3.387	75.997	68.435	14.00	27.00	55.00	102.00	167.00
0.15	3.209	0.3224310	0.0286744	1.20	1.20	20.477	14.184	7.00	10.00	17.00	27.00	40.00	3.387	22.448	16.111	7.00	11.00	18.00	29.00	44.00
0.15	3.209	0.3224310	0.0286744	1.30	1.20	10.681	5.871	5.00	7.00	9.00	13.00	18.00	3.387	11.410	6.423	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	1.20	7.105	3.243	4.00	5.00	6.00	9.00	11.00	3.387	7.501	3.394	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	1.20	75.092	66.884	15.00	27.00	55.00	101.00	162.10	3.387	92.687	84.533	18.00	33.00	67.00	124.00	203.00
0.15	3.209	0.3224310	0.0286744	0.80	1.20	18.578	12.023	7.00	10.00	15.00	24.00	34.00	3.387	20.271	13.329	8.00	11.00	17.00	26.00	38.00
0.15	3.209	0.3224310	0.0286744	0.70	1.20	8.807	3.933	5.00	6.00	8.00	11.00	14.00	3.387	9.338	4.171	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	1.20	5.629	1.927	4.00	4.00	5.00	7.00	8.00	3.387	5.882	2.002	4.00	4.00	6.00	7.00	9.00
0.15	3.209	0.3224310	0.0286744	0.50	1.20	4.100	1.108	3.00	3.00	4.00	5.00	6.00	3.387	4.275	1.155	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	1.30	59.872	53.527	12.00	22.00	43.00	80.00	130.00	3.387	69.530	62.411	14.00	26.00	50.00	93.00	150.00
0.15	3.209	0.3224310	0.0286744	1.20	1.30	20.030	14.173	7.00	10.00	16.00	26.00	38.00	3.387	22.383	15.815	8.00	11.00	18.00	29.00	43.00
0.15	3.209	0.3224310	0.0286744	1.30	1.30	10.570	5.799	5.00	6.00	9.00	13.00	18.00	3.387	11.344	6.191	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	1.30	7.096	3.160	4.00	5.00	7.00	9.00	11.00	3.387	7.539	3.417	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	1.30	69.470	61.524	14.00	26.00	51.00	95.00	149.00	3.387	85.633	77.407	17.00	30.00	62.00	116.00	187.00
0.15	3.209	0.3224310	0.0286744	0.80	1.30	18.205	11.501	7.00	10.00	15.00	23.00	33.00	3.387	20.051	12.928	8.00	11.00	17.00	25.00	37.00
0.15	3.209	0.3224310	0.0286744	0.70	1.30	8.821	3.997	5.00	6.00	8.00	11.00	14.00	3.387	9.260	4.188	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	1.30	5.636	1.926	4.00	4.00	5.00	7.00	8.00	3.387	5.909	2.014	4.00	4.00	6.00	7.00	9.00
0.15	3.209	0.3224310	0.0286744	0.50	1.30	4.113	1.120	3.00	3.00	4.00	5.00	6.00	3.387	4.276	1.156	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	1.40	54.049	46.365	12.00	21.00	40.00	72.00	114.10	3.387	65.097	56.906	13.00	24.00	48.00	88.00	140.00
0.15	3.209	0.3224310	0.0286744	1.20	1.40	19.947	13.588	7.00	10.00	16.00	26.00	38.00	3.387	21.880	15.404	7.00	11.00	18.00	28.00	41.00
0.15	3.209	0.3224310	0.0286744	1.30	1.40	10.535	5.723	5.00	6.00	9.00	13.00	18.00	3.387	11.354	6.211	5.00	7.00	10.00	14.00	19.00
0.15	3.209	0.3224310	0.0286744	1.40	1.40	7.122	3.212	4.00	5.00	6.00	9.00	11.00	3.387	7.478	3.401	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	1.40	62.226	54.376	13.00	23.00	46.00	84.00	133.00	3.387	78.685	71.177	16.00	29.00	57.00	106.00	171.00
0.15	3.209	0.3224310	0.0286744	0.80	1.40	18.151	11.693	7.00	10.00	15.00	23.00	33.00	3.387	19.988	13.003	8.00	11.00	16.00	25.00	37.00
0.15	3.209	0.3224310	0.0286744	0.70	1.40	8.717	3.840	5.00	6.00	8.00	11.00	14.00	3.387	9.285	4.192	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	1.40	5.572	1.879	4.00	4.00	5.00	7.00	8.00	3.387	5.872	1.978	4.00	4.00	5.00	7.00	8.00
0.15	3.209	0.3224310	0.0286744	0.50	1.40	4.114	1.114	3.00	3.00	4.00	5.00	6.00	3.387	4.291	1.146	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	0.90	74.240	67.719	14.00	26.00	53.00	99.00	165.00	3.387	86.283	80.196	16.00	31.00	61.00	116.25	188.00
0.15	3.209	0.3224310	0.0286744	1.20	0.90	21.063	14.979	7.00	10.00	17.00	27.00	41.00	3.387	23.103	16.576	8.00	11.00	18.00	30.00	45.00
0.15	3.209	0.3224310	0.0286744	1.30	0.90	10.740	5.929	5.00	7.00	9.00	13.00	19.00	3.387	11.444	6.389	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	0.90	7.145	3.242	4.00	5.00	7.00	9.00	11.00	3.387	7.557	3.488	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	0.90	91.444	82.201	17.00	33.00	67.00	125.00	198.00	3.387	112.457	104.117	20.00	39.00	81.00	150.00	248.00
0.15	3.209	0.3224310	0.0286744	0.80	0.90	19.124	12.086	7.00	11.00	16.00	24.00	35.00	3.387	20.866	13.813	8.00	11.00	17.00	26.00	39.00
0.15	3.209	0.3224310	0.0286744	0.70	0.90	8.826	3.966	5.00	6.00	8.00	11.00	14.00	3.387	9.344	4.194	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	0.90	5.649	1.930	4.00	4.00	5.00	7.00	8.00	3.387	5.857	1.982	4.00	4.00	5.00	7.00	8.00
0.15	3.209	0.3224310	0.0286744	0.50	0.90	4.132	1.102	3.00	3.00	4.00	5.00	6.00	3.387	4.281	1.144	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	0.80	75.036	68.085	14.00	27.00	54.00	102.00	163.00	3.387	88.557	80.962	16.00	31.00	64.00	119.00	195.00
0.15	3.209	0.3224310	0.0286744	1.20	0.80	21.200	15.103	7.00	11.00	17.00	27.00	41.00	3.387	23.301	17.334	8.00	11.00	18.00	30.00	45.00
0.15	3.209	0.3224310	0.0286744	1.30	0.80	10.653	5.997	5.00	7.00	9.00	13.00	18.00	3.387	11.422	6.345	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	0.80	7.122	3.227	4.00	5.00	6.00	9.00	11.00	3.387	7.470	3.392	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	0.80	93.526	84.537	18.00	33.00	68.00	128.00	204.00	3.387	113.968	103.603	20.00	39.00	82.00	155.00	254.00
0.15	3.209	0.3224310	0.0286744	0.80	0.80	19.019	12.116	7.00	10.00	16.00	24.00	34.00	3.387	20.939	14.096	8.00	11.00	17.00	27.00	39.00
0.15	3.209	0.3224310	0.0286744	0.70	0.80	8.814	4.006	5.00	6.00	8.00	11.00	14.00	3.387	9.362	4.277	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	0.80	5.610	1.889	4.00	4.00	5.00	7.00	8.00	3.387	5.899	2.012	4.00	4.00	6.00	7.00	9.00
0.15	3.209	0.3224310	0.0286744	0.50	0.80	4.129	1.138	3.00	3.00	4.00	5.00	6.00	3.387	4.300	1.150	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	0.70	76.018	68.305	14.00	28.00	55.00	103.00	164.00	3.387	91.034	84.342	16.00	32.00	66.00	123.00	197.00
0.15	3.209	0.3224310	0.0286744	1.20	0.70	21.056	14.799	7.00	11.00	17.00	27.00	40.00	3.387	23.263	17.086	8.00	11.00	19.00	30.00	45.00
0.15	3.209	0.3224310	0.0286744	1.30	0.70	10.643	5.900	5.00	7.00	9.00	13.00	18.00	3.387	11.415	6.301	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	0.70	7.156	3.260	4.00	5.00	6.00	9.00	11.00	3.387	7.510	3.442	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	0.70	96.806	88.925	18.00	34.00	70.00	130.00	212.00	3.387	117.767	108.717	21.00	41.00	85.00	160.00	256.00
0.15	3.209	0.3224310	0.0286744	0.80	0.70	18.862	12.232	7.00	10.00	15.00	24.00	35.00	3.387	20.958	13.919	8.00	11.00	17.00	27.00	39.00
0.15	3.209	0.3224310	0.0286744	0.70	0.70	8.867	4.105	5.00	6.00	8.00	11.00	14.00	3.387	9.394	4.292	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	0.70	5.632	1.907	4.00	4.00	5.00	7.00	8.00	3.387	5.885	1.970	4.00	4.00	6.00	7.00	8.00
0.15	3.209	0.3224310	0.0286744	0.50	0.70	4.106	1.102	3.00	3.00	4.00	5.00	6.00	3.387	4						

0.15	3.209	0.3224310	0.0286744	0.80	0.60	18.775	12.086	7.00	10.00	16.00	24.00	35.00	3.387	20.816	13.807	8.00	11.00	17.00	26.00	38.00
0.15	3.209	0.3224310	0.0286744	0.70	0.60	8.871	4.035	5.00	6.00	8.00	11.00	14.00	3.387	9.369	4.290	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	0.60	5.619	1.904	4.00	4.00	5.00	7.00	8.00	3.387	5.851	1.982	4.00	4.00	5.00	7.00	8.00
0.15	3.209	0.3224310	0.0286744	0.50	0.60	4.120	1.114	3.00	3.00	4.00	5.00	6.00	3.387	4.282	1.155	3.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	1.10	0.50	76.623	69.091	15.00	28.00	56.00	103.00	167.00	3.387	89.966	83.125	16.00	31.00	65.00	121.00	198.00
0.15	3.209	0.3224310	0.0286744	1.20	0.50	20.847	15.071	7.00	10.00	17.00	27.00	40.00	3.387	23.230	16.612	8.00	11.00	19.00	30.00	46.00
0.15	3.209	0.3224310	0.0286744	1.30	0.50	10.603	5.798	5.00	6.00	9.00	13.00	18.00	3.387	11.466	6.432	5.00	7.00	10.00	14.00	20.00
0.15	3.209	0.3224310	0.0286744	1.40	0.50	7.120	3.228	4.00	5.00	6.00	9.00	11.00	3.387	7.499	3.413	4.00	5.00	7.00	9.00	12.00
0.15	3.209	0.3224310	0.0286744	0.90	0.50	95.832	86.722	18.00	34.00	69.00	128.00	210.00	3.387	118.863	108.674	21.00	41.00	85.00	160.00	264.00
0.15	3.209	0.3224310	0.0286744	0.80	0.50	19.053	12.552	7.00	10.00	16.00	24.00	35.00	3.387	21.036	13.993	8.00	11.00	17.00	27.00	39.00
0.15	3.209	0.3224310	0.0286744	0.70	0.50	8.894	4.008	5.00	6.00	8.00	11.00	14.00	3.387	9.420	4.373	5.00	6.00	8.00	11.00	15.00
0.15	3.209	0.3224310	0.0286744	0.60	0.50	5.629	1.934	4.00	4.00	5.00	7.00	8.00	3.387	5.915	2.052	4.00	4.00	6.00	7.00	9.00
0.15	3.209	0.3224310	0.0286744	0.50	0.50	4.115	1.122	3.00	3.00	4.00	5.00	6.00	3.387	4.287	1.159	3.00	3.00	4.00	5.00	6.00

Case 4
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0.05	2.709	0.1808844	0.0091702	1.10	1.10	96.598	80.789	24.00	40.00	73.00	129.00	200.00	2.910	111.768	96.594	26.00	44.00	83.00	149.00	235.10
0.05	2.709	0.1808844	0.0091702	1.20	1.10	37.083	23.668	14.00	20.00	31.00	47.00	68.00	2.910	40.958	26.699	15.00	22.00	34.00	53.00	75.00
0.05	2.709	0.1808844	0.0091702	1.30	1.10	21.813	11.068	10.00	14.00	19.00	27.00	36.00	2.910	23.315	11.957	11.00	15.00	21.00	29.00	39.00
0.05	2.709	0.1808844	0.0091702	1.40	1.10	15.173	6.552	8.00	10.00	14.00	18.00	24.00	2.910	16.009	6.835	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	1.10	101.405	82.123	27.00	44.00	77.00	133.00	207.00	2.910	121.642	98.895	31.00	52.00	93.00	162.00	251.00
0.05	2.709	0.1808844	0.0091702	0.80	1.10	33.775	19.321	15.00	20.00	29.00	42.00	58.00	2.910	37.658	21.788	16.00	22.00	32.00	47.00	66.00
0.05	2.709	0.1808844	0.0091702	0.70	1.10	18.335	7.631	10.00	13.00	17.00	22.00	28.00	2.910	19.603	8.203	11.00	14.00	18.00	24.00	30.00
0.05	2.709	0.1808844	0.0091702	0.60	1.10	12.276	3.991	8.00	9.00	12.00	14.00	17.00	2.910	12.896	4.137	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	1.10	9.048	2.393	6.00	7.00	9.00	10.00	12.00	2.910	9.525	2.476	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	1.20	85.280	69.555	22.00	36.00	65.00	112.00	175.00	2.910	99.723	82.148	25.00	42.00	76.00	132.00	204.00
0.05	2.709	0.1808844	0.0091702	1.20	1.20	36.554	22.751	14.00	21.00	31.00	46.00	66.00	2.910	40.350	25.707	15.00	22.00	34.00	52.00	74.00
0.05	2.709	0.1808844	0.0091702	1.30	1.20	21.494	10.801	10.00	14.00	19.00	27.00	36.00	2.910	22.858	11.547	11.00	15.00	20.00	28.00	38.00
0.05	2.709	0.1808844	0.0091702	1.40	1.20	15.152	6.571	8.00	10.00	14.00	18.00	24.00	2.910	16.092	6.908	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	1.20	90.023	71.082	25.00	40.00	69.00	119.00	183.00	2.910	106.868	86.479	28.00	46.00	81.00	140.00	219.00
0.05	2.709	0.1808844	0.0091702	0.80	1.20	33.298	18.837	15.00	20.00	29.00	42.00	58.00	2.910	36.144	20.437	16.00	22.00	31.00	45.00	63.00
0.05	2.709	0.1808844	0.0091702	0.70	1.20	18.055	7.576	10.00	13.00	16.00	22.00	28.00	2.910	19.428	8.073	11.00	14.00	18.00	23.00	30.00
0.05	2.709	0.1808844	0.0091702	0.60	1.20	12.196	4.014	8.00	9.00	11.00	14.00	17.00	2.910	12.917	4.233	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	1.20	9.051	2.347	6.00	7.00	9.00	10.00	12.00	2.910	9.531	2.516	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	1.30	75.482	59.107	20.00	34.00	58.00	99.00	152.00	2.910	87.628	68.694	24.00	38.00	68.00	116.00	177.00
0.05	2.709	0.1808844	0.0091702	1.20	1.30	35.488	21.963	14.00	20.00	30.00	45.00	64.00	2.910	39.031	24.565	15.00	22.00	33.00	49.00	71.00
0.05	2.709	0.1808844	0.0091702	1.30	1.30	21.298	10.682	10.00	14.00	19.00	27.00	36.00	2.910	22.725	11.499	11.00	15.00	20.00	28.00	38.00
0.05	2.709	0.1808844	0.0091702	1.40	1.30	14.977	6.283	8.00	10.00	14.00	18.00	23.00	2.910	16.007	6.845	9.00	11.00	15.00	19.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	1.30	77.932	60.268	23.00	36.00	61.00	101.00	156.00	2.910	92.007	72.044	26.00	41.00	71.00	121.00	187.00
0.05	2.709	0.1808844	0.0091702	0.80	1.30	32.309	17.869	15.00	20.00	28.00	40.00	56.00	2.910	35.610	19.788	16.00	21.00	31.00	45.00	62.00
0.05	2.709	0.1808844	0.0091702	0.70	1.30	18.009	7.458	10.00	13.00	16.00	22.00	28.00	2.910	19.132	7.903	11.00	14.00	17.00	23.00	29.00
0.05	2.709	0.1808844	0.0091702	0.60	1.30	12.144	3.916	8.00	9.00	11.00	14.00	17.00	2.910	12.878	4.185	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	1.30	9.035	2.363	6.00	7.00	9.00	10.00	12.00	2.910	9.524	2.489	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	1.40	66.021	49.932	19.00	30.00	52.00	87.00	130.00	2.910	74.550	57.132	21.00	34.00	59.00	98.00	147.00
0.05	2.709	0.1808844	0.0091702	1.20	1.40	34.253	20.801	14.00	19.00	29.00	43.00	61.00	2.910	37.458	22.542	15.00	22.00	32.00	48.00	67.00
0.05	2.709	0.1808844	0.0091702	1.30	1.40	21.115	10.570	10.00	14.00	19.00	26.00	35.00	2.910	22.621	11.251	11.00	15.00	20.00	28.00	37.00
0.05	2.709	0.1808844	0.0091702	1.40	1.40	14.965	6.372	8.00	10.00	14.00	18.00	23.00	2.910	15.828	6.690	9.00	11.00	15.00	19.00	24.00
0.05	2.709	0.1808844	0.0091702	0.90	1.40	69.685	52.330	21.00	33.00	55.00	90.00	138.00	2.910	79.938	60.901	24.00	37.00	62.00	103.00	160.00
0.05	2.709	0.1808844	0.0091702	0.80	1.40	31.288	17.039	14.00	19.00	27.00	39.00	54.00	2.910	34.850	19.567	16.00	21.00	30.00	43.25	60.00
0.05	2.709	0.1808844	0.0091702	0.70	1.40	18.080	7.467	10.00	13.00	16.50	22.00	28.00	2.910	19.165	7.978	11.00	14.00	17.00	23.00	29.00
0.05	2.709	0.1808844	0.0091702	0.60	1.40	12.137	3.936	8.00	9.00	11.00	14.00	17.00	2.910	12.861	4.178	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	1.40	9.055	2.413	6.00	7.00	9.00	10.00	12.00	2.910	9.525	2.476	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	0.90	100.833	84.295	25.00	42.00	77.00	132.00	209.00	2.910	120.251	102.225	28.00	48.00	91.00	160.00	252.00
0.05	2.709	0.1808844	0.0091702	1.20	0.90	38.340	23.874	14.00	21.00	32.00	49.00	70.10	2.910	41.717	27.132	15.00	23.00	35.00	54.00	77.00
0.05	2.709	0.1808844	0.0091702	1.30	0.90	21.788	11.067	10.00	14.00	19.00	27.00	36.00	2.910	23.352	11.932	11.00	15.00	21.00	29.00	39.00
0.05	2.709	0.1808844	0.0091702	1.40	0.90	15.257	6.589	8.00	11.00	14.00	19.00	24.00	2.910	16.077	6.954	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	0.90	108.850	88.370	28.00	46.00	83.00	144.00	225.00	2.910	131.832	110.596	33.00	54.00	99.00	174.00	273.10
0.05	2.709	0.1808844	0.0091702	0.80	0.90	34.115	19.274	15.00	20.00	29.00	42.00	60.00	2.910	37.541	21.667	16.00	22.00	32.00	47.00	66.00

0.05	2.709	0.1808844	0.0091702	1.30	0.80	21.664	11.036	10.00	14.00	19.00	27.00	36.00	2.910	23.393	11.900	11.00	15.00	21.00	29.00	39.00
0.05	2.709	0.1808844	0.0091702	1.40	0.80	15.150	6.567	8.00	10.00	14.00	19.00	24.00	2.910	16.061	7.003	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	0.80	101.802	80.497	28.00	45.00	78.00	134.00	207.00	2.910	121.895	100.256	32.00	53.00	92.00	159.00	253.00
0.05	2.709	0.1808844	0.0091702	0.80	0.80	34.116	19.160	15.00	21.00	29.00	43.00	59.00	2.910	37.633	21.504	17.00	22.00	32.00	47.00	66.00
0.05	2.709	0.1808844	0.0091702	0.70	0.80	18.239	7.583	10.00	13.00	17.00	22.00	28.00	2.910	19.487	8.104	11.00	14.00	18.00	23.00	30.00
0.05	2.709	0.1808844	0.0091702	0.60	0.80	12.192	4.011	8.00	9.00	11.00	14.00	17.00	2.910	12.972	4.254	8.00	10.00	12.00	15.00	19.00
0.05	2.709	0.1808844	0.0091702	0.50	0.80	9.039	2.413	6.00	7.00	9.00	10.00	12.00	2.910	9.547	2.464	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	0.70	82.006	63.710	24.00	37.75	64.00	107.00	163.00	2.910	97.515	76.196	27.00	44.00	76.00	128.00	195.00
0.05	2.709	0.1808844	0.0091702	1.20	0.70	36.354	22.323	14.00	20.00	31.00	46.00	66.00	2.910	40.537	25.378	15.00	23.00	34.00	51.00	73.00
0.05	2.709	0.1808844	0.0091702	1.30	0.70	21.742	11.079	10.00	14.00	20.00	27.00	36.00	2.910	23.299	11.840	11.00	15.00	21.00	29.00	39.00
0.05	2.709	0.1808844	0.0091702	1.40	0.70	15.155	6.652	8.00	10.00	14.00	19.00	24.00	2.910	16.139	6.862	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	0.70	87.020	65.050	27.00	41.00	69.00	113.00	172.00	2.910	105.124	81.797	31.00	48.00	81.00	137.00	212.00
0.05	2.709	0.1808844	0.0091702	0.80	0.70	33.416	18.332	15.00	20.00	29.00	42.00	57.00	2.910	36.853	20.563	17.00	22.00	32.00	46.00	63.00
0.05	2.709	0.1808844	0.0091702	0.70	0.70	18.302	7.492	10.00	13.00	17.00	22.00	28.00	2.910	19.465	8.018	11.00	14.00	18.00	23.00	30.00
0.05	2.709	0.1808844	0.0091702	0.60	0.70	12.193	3.991	8.00	9.00	11.00	14.00	17.00	2.910	12.937	4.190	8.00	10.00	12.00	15.00	19.00
0.05	2.709	0.1808844	0.0091702	0.50	0.70	9.083	2.426	6.00	7.00	9.00	10.00	12.00	2.910	9.525	2.508	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	0.60	65.212	45.386	22.00	33.00	52.00	84.00	125.00	2.910	76.703	55.083	25.00	38.00	61.00	99.00	150.00
0.05	2.709	0.1808844	0.0091702	1.20	0.60	34.873	20.298	14.00	20.00	30.00	44.00	61.00	2.910	38.567	22.955	15.00	22.00	33.00	49.00	68.00
0.05	2.709	0.1808844	0.0091702	1.30	0.60	21.534	10.621	10.00	14.00	19.00	27.00	36.00	2.910	23.207	11.672	11.00	15.00	21.00	29.00	38.00
0.05	2.709	0.1808844	0.0091702	1.40	0.60	15.191	6.428	8.00	11.00	14.00	19.00	24.00	2.910	16.041	6.987	8.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	0.60	68.373	47.392	24.00	35.00	55.00	87.00	129.00	2.910	81.125	57.935	28.00	40.00	65.00	104.00	156.00
0.05	2.709	0.1808844	0.0091702	0.80	0.60	32.394	17.018	15.00	20.00	29.00	40.00	55.00	2.910	35.598	19.114	16.00	22.00	31.00	44.00	61.00
0.05	2.709	0.1808844	0.0091702	0.70	0.60	18.210	7.403	10.00	13.00	17.00	22.00	28.00	2.910	19.476	7.981	11.00	14.00	18.00	23.00	30.00
0.05	2.709	0.1808844	0.0091702	0.60	0.60	12.146	3.976	8.00	9.00	11.00	14.00	17.00	2.910	12.940	4.174	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	0.60	9.053	2.392	6.00	7.00	9.00	10.00	12.00	2.910	9.515	2.485	7.00	8.00	9.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	1.10	0.50	49.289	30.135	20.00	28.00	42.00	62.00	89.00	2.910	56.114	35.579	23.00	32.00	46.00	70.00	102.00
0.05	2.709	0.1808844	0.0091702	1.20	0.50	31.480	16.807	14.00	20.00	28.00	39.00	54.00	2.910	35.030	19.195	15.00	22.00	31.00	44.00	60.00
0.05	2.709	0.1808844	0.0091702	1.30	0.50	20.759	9.698	10.00	14.00	19.00	26.00	34.00	2.910	22.582	10.758	11.00	15.00	21.00	28.00	36.00
0.05	2.709	0.1808844	0.0091702	1.40	0.50	14.975	6.178	8.00	10.00	14.00	18.00	23.00	2.910	15.955	6.679	9.00	11.00	15.00	20.00	25.00
0.05	2.709	0.1808844	0.0091702	0.90	0.50	50.590	30.035	21.00	30.00	43.00	63.00	89.00	2.910	58.833	36.886	24.00	33.00	49.00	73.00	106.00
0.05	2.709	0.1808844	0.0091702	0.80	0.50	29.781	14.382	15.00	19.00	27.00	37.00	49.00	2.910	33.322	16.513	16.00	22.00	30.00	41.00	55.00
0.05	2.709	0.1808844	0.0091702	0.70	0.50	18.053	7.182	10.00	13.00	17.00	22.00	28.00	2.910	19.273	7.782	11.00	14.00	18.00	23.00	29.00
0.05	2.709	0.1808844	0.0091702	0.60	0.50	12.200	3.953	8.00	9.00	11.00	14.00	17.00	2.910	12.929	4.195	8.00	10.00	12.00	15.00	18.00
0.05	2.709	0.1808844	0.0091702	0.50	0.50	9.061	2.390	6.00	7.00	9.00	10.00	12.00	2.910	9.533	2.510	7.00	8.00	9.00	11.00	13.00
0.10	3.027	0.2591139	0.0188166	1.00	1.00	370.751	370.783	45.00	113.00	258.00	509.00	835.00	3.220	501.537	499.124	60.00	151.00	346.00	685.00	1157.00
0.10	3.027	0.2591139	0.0188166	1.10	1.10	106.942	96.658	20.00	38.00	78.00	144.00	231.10	3.220	129.308	118.874	23.00	44.00	93.00	174.00	283.00
0.10	3.027	0.2591139	0.0188166	1.20	1.10	40.876	31.950	11.00	18.00	32.00	53.00	83.00	3.220	46.749	36.866	13.00	21.00	36.00	61.00	95.00
0.10	3.027	0.2591139	0.0188166	1.30	1.10	21.617	14.353	8.00	12.00	18.00	28.00	40.00	3.220	23.650	15.397	9.00	13.00	20.00	30.00	43.00
0.10	3.027	0.2591139	0.0188166	1.40	1.10	14.320	7.810	6.00	9.00	13.00	18.00	24.00	3.220	15.129	8.279	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	1.10	140.010	131.147	26.00	49.00	100.00	186.00	306.00	3.220	181.782	170.853	30.00	60.75	130.00	248.00	402.00
0.10	3.027	0.2591139	0.0188166	0.80	1.10	39.784	28.780	13.00	19.00	32.00	51.00	77.00	3.220	46.010	34.590	15.00	22.00	36.00	59.00	89.10
0.10	3.027	0.2591139	0.0188166	0.70	1.10	18.351	9.877	9.00	11.00	16.00	23.00	31.00	3.220	19.803	10.958	9.00	12.00	17.00	25.00	34.00
0.10	3.027	0.2591139	0.0188166	0.60	1.10	11.292	4.721	6.00	8.00	10.00	14.00	18.00	3.220	11.929	4.916	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	1.10	7.895	2.572	5.00	6.00	7.00	9.00	11.00	3.220	8.343	2.721	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	1.20	94.234	84.279	18.00	35.00	69.00	128.00	202.00	3.220	112.851	101.818	20.00	40.00	81.00	154.00	247.00
0.10	3.027	0.2591139	0.0188166	1.20	1.20	39.469	30.781	11.00	18.00	31.00	52.00	78.00	3.220	45.255	35.724	13.00	20.00	35.00	60.00	91.00
0.10	3.027	0.2591139	0.0188166	1.30	1.20	21.195	13.371	8.00	12.00	18.00	27.00	39.00	3.220	23.243	15.267	9.00	13.00	19.00	29.00	43.00
0.10	3.027	0.2591139	0.0188166	1.40	1.20	14.139	7.517	6.00	9.00	12.00	18.00	24.00	3.220	15.066	8.214	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	1.20	122.055	109.313	23.00	44.00	90.00	165.00	264.00	3.220	154.490	141.476	27.00	52.00	111.00	214.00	339.10
0.10	3.027	0.2591139	0.0188166	0.80	1.20	38.870	28.043	13.00	19.00	31.00	50.00	75.00	3.220	44.758	33.108	14.00	21.75	35.00	58.00	88.00
0.10	3.027	0.2591139	0.0188166	0.70	1.20	18.162	9.965	9.00	11.00	16.00	22.00	31.00	3.220	19.800	10.970	9.00	12.00	17.00	24.00	34.00
0.10	3.027	0.2591139	0.0188166	0.60	1.20	11.185	4.583	6.00	8.00	10.00	13.00	17.00	3.220	11.896	4.988	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	1.20	7.936	2.602	5.00	6.00	7.00	9.00	11.00	3.220	8.334	2.699	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	1.30	83.922	74.107	17.00	31.00	62.00	112.00	181.00	3.220	99.369	89.833	19.00	36.00	72.00	134.00	218.00
0.10	3.027	0.2591139	0.0188166	1.20	1.30	37.915	29.265	11.00	17.00	30.00	49.00	76.10	3.220	43.021	33.591	12.00	19.00	33.00	57.00	88.00
0.10	3.027	0.2591139	0.0188166	1.30	1.30	21.900	13.462	8.0												

0.10	3.027	0.2591139	0.0188166	1.10	1.40	71.943	62.787	16.00	28.00	53.00	96.00	154.00	3.220	87.238	76.692	18.00	34.00	65.00	117.00	185.00
0.10	3.027	0.2591139	0.0188166	1.20	1.40	35.754	27.071	11.00	17.00	28.00	46.00	71.00	3.220	40.202	30.786	12.00	19.00	32.00	53.00	81.00
0.10	3.027	0.2591139	0.0188166	1.30	1.40	20.801	13.224	8.00	12.00	17.00	26.00	38.00	3.220	22.768	14.471	9.00	13.00	19.00	29.00	41.00
0.10	3.027	0.2591139	0.0188166	1.40	1.40	13.967	7.574	6.00	9.00	12.00	18.00	24.00	3.220	15.169	8.159	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	1.40	85.404	74.649	18.00	33.00	62.00	115.00	183.00	3.220	106.225	93.744	21.00	39.00	78.00	143.00	231.00
0.10	3.027	0.2591139	0.0188166	0.80	1.40	35.795	25.452	12.00	18.00	29.00	46.00	68.00	3.220	41.450	30.086	14.00	20.00	33.00	54.00	81.00
0.10	3.027	0.2591139	0.0188166	0.70	1.40	17.865	9.397	9.00	11.00	16.00	22.00	30.00	3.220	19.490	10.475	9.00	12.00	17.00	24.00	33.00
0.10	3.027	0.2591139	0.0188166	0.60	1.40	11.221	4.675	6.00	8.00	10.00	13.00	17.00	3.220	11.788	4.891	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	1.40	7.845	2.535	5.00	6.00	7.00	9.00	11.00	3.220	8.346	2.713	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	0.90	123.434	114.048	22.00	43.00	88.00	166.00	272.00	3.220	148.318	137.907	25.00	50.00	107.00	202.00	331.00
0.10	3.027	0.2591139	0.0188166	1.20	0.90	41.910	32.978	12.00	19.00	32.00	55.00	85.00	3.220	47.834	38.392	13.00	21.00	37.00	63.00	97.00
0.10	3.027	0.2591139	0.0188166	1.30	0.90	22.059	14.384	8.00	12.00	19.00	28.00	40.00	3.220	23.791	15.647	9.00	13.00	20.00	30.00	44.00
0.10	3.027	0.2591139	0.0188166	1.40	0.90	14.248	7.799	6.00	9.00	12.00	18.00	24.00	3.220	15.441	8.574	7.00	9.00	13.00	19.00	27.00
0.10	3.027	0.2591139	0.0188166	0.90	0.90	173.188	156.896	30.00	62.00	126.00	236.00	376.00	3.220	230.071	214.124	36.00	77.00	168.00	311.00	502.10
0.10	3.027	0.2591139	0.0188166	0.80	0.90	41.525	30.629	13.00	20.00	32.00	54.00	81.00	3.220	47.849	36.434	15.00	22.00	37.00	62.00	96.00
0.10	3.027	0.2591139	0.0188166	0.70	0.90	18.273	9.903	9.00	11.00	16.00	23.00	31.00	3.220	20.161	11.176	9.00	12.00	17.00	25.00	35.00
0.10	3.027	0.2591139	0.0188166	0.60	0.90	11.177	4.642	6.00	8.00	10.00	13.00	17.00	3.220	11.962	5.002	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	0.90	7.908	2.590	5.00	6.00	7.00	9.00	11.00	3.220	8.337	2.733	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	0.80	124.791	114.565	22.00	44.00	90.00	168.00	274.00	3.220	153.113	144.986	25.00	51.00	108.00	208.25	342.00
0.10	3.027	0.2591139	0.0188166	1.20	0.80	42.375	33.185	12.00	19.00	33.00	56.00	86.00	3.220	48.545	38.938	13.00	21.00	38.00	64.00	99.00
0.10	3.027	0.2591139	0.0188166	1.30	0.80	22.090	14.371	8.00	12.00	18.00	28.00	41.00	3.220	23.882	15.579	9.00	13.00	20.00	30.00	44.00
0.10	3.027	0.2591139	0.0188166	1.40	0.80	14.282	7.738	6.00	9.00	12.00	18.00	24.00	3.220	15.373	8.519	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	0.80	175.258	160.708	30.00	61.00	128.00	236.00	386.10	3.220	241.068	226.551	39.00	81.00	174.00	328.00	533.00
0.10	3.027	0.2591139	0.0188166	0.80	0.80	41.850	30.733	14.00	20.00	33.00	54.00	81.00	3.220	48.246	36.051	15.00	23.00	38.00	63.00	95.00
0.10	3.027	0.2591139	0.0188166	0.70	0.80	18.392	9.958	8.00	11.00	16.00	23.00	31.00	3.220	20.171	11.221	9.00	12.00	17.00	25.00	34.00
0.10	3.027	0.2591139	0.0188166	0.60	0.80	11.174	4.565	6.00	8.00	10.00	13.00	17.00	3.220	11.863	4.895	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	0.80	7.938	2.632	5.00	6.00	7.00	9.00	11.00	3.220	8.328	2.736	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	0.70	119.921	109.568	22.00	42.00	86.00	161.00	264.00	3.220	149.206	136.692	26.00	52.00	106.00	203.25	331.00
0.10	3.027	0.2591139	0.0188166	1.20	0.70	42.049	33.217	12.00	19.00	32.00	56.00	85.00	3.220	48.124	38.190	13.00	21.00	37.00	65.00	97.10
0.10	3.027	0.2591139	0.0188166	1.30	0.70	22.182	14.281	8.00	12.00	19.00	28.00	41.00	3.220	24.005	15.727	9.00	13.00	20.00	30.00	45.00
0.10	3.027	0.2591139	0.0188166	1.40	0.70	14.386	7.860	6.00	9.00	12.00	18.00	25.00	3.220	15.328	8.445	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	0.70	171.629	159.499	31.00	59.00	123.00	232.00	375.00	3.220	228.146	214.217	37.00	75.00	162.00	308.00	510.10
0.10	3.027	0.2591139	0.0188166	0.80	0.70	41.488	30.237	14.00	20.00	33.00	53.00	79.00	3.220	48.142	35.461	15.00	23.00	38.00	63.00	95.00
0.10	3.027	0.2591139	0.0188166	0.70	0.70	18.477	9.925	9.00	11.75	16.00	23.00	31.00	3.220	20.269	11.323	9.00	12.00	17.00	25.00	35.00
0.10	3.027	0.2591139	0.0188166	0.60	0.70	11.176	4.654	6.00	8.00	10.00	13.00	17.00	3.220	11.966	4.942	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	0.70	7.940	2.611	5.00	6.00	7.00	9.00	11.00	3.220	8.334	2.729	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	0.60	106.621	94.158	22.00	40.00	78.00	144.00	230.00	3.220	135.179	122.847	25.00	48.00	98.00	183.00	294.00
0.10	3.027	0.2591139	0.0188166	1.20	0.60	41.038	31.976	12.00	19.00	32.00	53.00	82.00	3.220	47.030	37.342	13.00	21.00	36.00	62.00	95.00
0.10	3.027	0.2591139	0.0188166	1.30	0.60	21.788	13.885	8.00	12.00	18.00	28.00	40.00	3.220	23.813	15.694	9.00	13.00	20.00	30.00	44.00
0.10	3.027	0.2591139	0.0188166	1.40	0.60	14.359	7.861	6.00	9.00	13.00	18.00	25.00	3.220	15.332	8.476	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	0.60	140.925	123.644	28.00	52.00	103.00	190.00	309.00	3.220	191.325	174.757	35.00	68.00	136.00	257.00	423.00
0.10	3.027	0.2591139	0.0188166	0.80	0.60	40.696	28.454	14.00	21.00	33.00	53.00	79.00	3.220	47.116	35.204	15.00	23.00	37.00	60.00	92.00
0.10	3.027	0.2591139	0.0188166	0.70	0.60	18.395	9.894	9.00	11.00	16.00	23.00	31.00	3.220	20.077	10.963	9.00	12.00	17.00	25.00	35.00
0.10	3.027	0.2591139	0.0188166	0.60	0.60	11.211	4.668	6.00	8.00	10.00	13.00	17.00	3.220	11.986	4.985	7.00	8.00	11.00	14.00	18.00
0.10	3.027	0.2591139	0.0188166	0.50	0.60	7.901	2.566	5.00	6.00	7.00	9.00	11.00	3.220	8.332	2.757	5.00	6.00	8.00	10.00	12.00
0.10	3.027	0.2591139	0.0188166	1.10	0.50	81.534	66.732	20.00	34.00	63.00	108.00	168.00	3.220	106.490	93.449	23.00	41.00	79.00	143.00	225.00
0.10	3.027	0.2591139	0.0188166	1.20	0.50	38.278	28.224	12.00	19.00	31.00	49.25	74.00	3.220	44.688	33.853	13.00	21.00	35.00	59.00	88.00
0.10	3.027	0.2591139	0.0188166	1.30	0.50	21.564	13.439	8.00	12.00	18.00	28.00	39.00	3.220	23.747	15.105	9.00	13.00	20.00	30.00	43.00
0.10	3.027	0.2591139	0.0188166	1.40	0.50	14.377	7.716	6.00	9.00	13.00	18.00	25.00	3.220	15.191	8.187	7.00	9.00	13.00	19.00	26.00
0.10	3.027	0.2591139	0.0188166	0.90	0.50	97.906	81.730	25.00	40.00	74.00	130.00	203.10	3.220	139.025	123.039	30.00	53.00	100.00	186.00	298.00
0.10	3.027	0.2591139	0.0188166	0.80	0.50	38.177	26.051	14.00	20.00	31.00	49.00	72.00	3.220	44.878	31.741	15.00	22.00	36.00	58.00	86.00
0.10	3.027	0.2591139	0.0188166	0.70	0.50	18.337	9.735	9.00	11.00	16.00	23.00	31.00	3.220	20.070	11.020	9.00	12.00	17.00	25.00	34.00
0.10	3.027	0.2591139	0.0188166	0.60	0.50	11.191	4.614	6.00	8.00	10.00	13.00	17.00	3.220	11.976	4.924	7.00	8.00	11.00	14.00	19.00
0.10	3.027	0.2591139	0.0188166	0.50	0.50	7.891	2.570	5.00	6.00	7.00	9.00	11.00	3.220	8.343	2.705	5.00	6.00	8.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.00	1.00	370.579	357.945	45.00	114.00	262.00	518.25	838.00	3.424	501.896	497.806	59.00	149.00	347.50	693.00	1160.10
0.15	3.238	0.3214631	0.0286840	1.10	1.10	119.671	112.5													

0.15	3.238	0.3214631	0.0286840	0.60	1.10	11.614	5.864	6.00	8.00	10.00	14.00	19.00	3.424	12.454	6.392	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	1.10	7.735	3.016	5.00	6.00	7.00	9.00	12.00	3.424	8.141	3.146	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	1.20	108.054	100.571	17.00	35.00	77.00	149.00	240.00	3.424	132.919	126.257	21.00	43.00	94.00	182.00	296.00
0.15	3.238	0.3214631	0.0286840	1.20	1.20	45.252	39.040	11.00	18.00	34.00	60.00	94.00	3.424	53.422	46.705	12.00	21.00	39.00	71.00	114.00
0.15	3.238	0.3214631	0.0286840	1.30	1.20	23.462	17.258	7.00	11.00	19.00	30.00	46.00	3.424	25.926	19.170	8.00	12.00	21.00	34.00	51.00
0.15	3.238	0.3214631	0.0286840	1.40	1.20	14.606	9.230	6.00	8.00	12.00	18.00	26.00	3.424	16.091	10.487	6.00	9.00	13.00	20.00	30.00
0.15	3.238	0.3214631	0.0286840	0.90	1.20	169.426	163.632	25.00	54.00	119.00	230.00	380.00	3.424	226.985	215.819	32.00	73.00	164.00	313.00	503.00
0.15	3.238	0.3214631	0.0286840	0.80	1.20	52.416	43.550	13.00	21.00	39.00	70.00	109.00	3.424	63.910	54.439	15.00	25.00	47.00	85.00	137.00
0.15	3.238	0.3214631	0.0286840	0.70	1.20	20.671	13.502	8.00	11.00	17.00	26.00	39.00	3.424	23.232	15.351	9.00	12.00	19.00	30.00	43.00
0.15	3.238	0.3214631	0.0286840	0.60	1.20	11.513	5.676	6.00	8.00	10.00	14.00	19.00	3.424	12.551	6.375	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	1.20	7.682	2.942	5.00	6.00	7.00	9.00	12.00	3.424	8.123	3.148	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	1.30	94.438	87.170	16.00	32.00	68.00	128.00	210.00	3.424	117.261	111.016	18.00	39.00	84.00	160.25	258.00
0.15	3.238	0.3214631	0.0286840	1.20	1.30	43.517	36.787	10.00	17.00	32.00	58.00	92.00	3.424	50.733	44.042	11.00	20.00	37.00	68.00	110.00
0.15	3.238	0.3214631	0.0286840	1.30	1.30	22.946	16.969	7.00	11.00	18.00	30.00	45.00	3.424	25.715	19.484	8.00	12.00	20.00	33.00	50.00
0.15	3.238	0.3214631	0.0286840	1.40	1.30	14.661	9.318	6.00	8.00	12.00	19.00	27.00	3.424	15.990	10.230	6.00	9.00	13.00	20.00	29.00
0.15	3.238	0.3214631	0.0286840	0.90	1.30	135.419	126.593	22.00	45.00	96.00	187.00	303.00	3.424	178.810	169.173	26.00	59.00	128.00	246.00	399.00
0.15	3.238	0.3214631	0.0286840	0.80	1.30	49.275	40.329	13.00	21.00	37.00	65.00	102.00	3.424	60.516	51.246	14.00	24.00	46.00	80.00	126.00
0.15	3.238	0.3214631	0.0286840	0.70	1.30	20.479	12.995	8.00	11.00	17.00	26.00	38.00	3.424	23.014	15.108	9.00	12.00	19.00	29.00	42.00
0.15	3.238	0.3214631	0.0286840	0.60	1.30	11.360	5.594	6.00	7.00	10.00	14.00	19.00	3.424	12.345	6.095	6.00	8.00	11.00	15.00	20.00
0.15	3.238	0.3214631	0.0286840	0.50	1.30	7.653	2.872	5.00	6.00	7.00	9.00	11.00	3.424	8.071	3.040	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	1.40	83.450	76.159	15.00	29.00	61.00	113.00	181.00	3.424	100.135	93.482	17.00	34.00	72.00	137.00	218.00
0.15	3.238	0.3214631	0.0286840	1.20	1.40	40.984	34.194	10.00	17.00	31.00	54.00	86.00	3.424	47.183	40.743	11.00	19.00	35.00	62.00	100.00
0.15	3.238	0.3214631	0.0286840	1.30	1.40	22.408	16.610	7.00	11.00	18.00	29.00	43.10	3.424	25.361	18.791	8.00	12.00	20.00	33.00	50.00
0.15	3.238	0.3214631	0.0286840	1.40	1.40	14.532	9.216	6.00	8.00	12.00	18.00	26.00	3.424	15.769	10.070	6.00	9.00	13.00	20.00	29.00
0.15	3.238	0.3214631	0.0286840	0.90	1.40	113.705	104.112	19.00	39.00	82.00	155.00	250.00	3.424	145.626	136.831	22.00	48.00	105.00	197.00	325.00
0.15	3.238	0.3214631	0.0286840	0.80	1.40	46.687	37.994	12.00	20.00	35.00	62.00	97.00	3.424	57.683	48.926	14.00	23.00	43.00	76.00	123.00
0.15	3.238	0.3214631	0.0286840	0.70	1.40	20.726	13.579	8.00	11.00	17.00	26.00	38.00	3.424	22.758	15.086	9.00	12.00	19.00	29.00	42.00
0.15	3.238	0.3214631	0.0286840	0.60	1.40	11.377	5.517	6.00	7.00	10.00	14.00	19.00	3.424	12.378	6.216	6.00	8.00	11.00	15.00	20.00
0.15	3.238	0.3214631	0.0286840	0.50	1.40	7.660	2.940	5.00	6.00	7.00	9.00	12.00	3.424	8.200	3.145	5.00	6.00	8.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	0.90	142.330	136.700	20.00	45.00	101.00	195.00	321.00	3.424	173.484	164.005	26.00	57.00	123.00	238.25	388.00
0.15	3.238	0.3214631	0.0286840	1.20	0.90	49.941	44.080	11.00	19.00	36.00	67.00	109.00	3.424	57.212	50.271	12.00	22.00	42.00	77.00	122.00
0.15	3.238	0.3214631	0.0286840	1.30	0.90	24.535	18.495	7.00	12.00	19.00	32.00	49.00	3.424	27.018	20.532	8.00	13.00	21.00	35.00	53.00
0.15	3.238	0.3214631	0.0286840	1.40	0.90	15.020	9.703	6.00	8.00	13.00	19.00	28.00	3.424	16.074	10.502	6.00	9.00	13.00	20.00	30.00
0.15	3.238	0.3214631	0.0286840	0.90	0.90	277.171	270.760	36.00	86.00	194.00	381.00	628.00	3.424	387.704	387.665	49.00	117.00	270.00	530.25	880.00
0.15	3.238	0.3214631	0.0286840	0.80	0.90	58.955	50.687	14.00	24.00	43.00	78.00	123.00	3.424	71.544	61.340	16.00	28.00	53.00	96.00	151.00
0.15	3.238	0.3214631	0.0286840	0.70	0.90	21.325	14.063	8.00	12.00	17.00	27.00	39.00	3.424	24.033	16.196	9.00	13.00	20.00	30.00	45.00
0.15	3.238	0.3214631	0.0286840	0.60	0.90	11.524	5.616	6.00	8.00	10.00	14.00	19.00	3.424	12.590	6.297	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	0.90	7.670	2.911	5.00	6.00	7.00	9.00	11.00	3.424	8.178	3.204	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	0.80	146.268	141.813	20.00	46.00	101.50	200.00	333.00	3.424	181.457	175.308	26.00	58.00	129.00	247.00	414.00
0.15	3.238	0.3214631	0.0286840	1.20	0.80	49.728	43.145	11.00	19.00	37.00	67.00	107.00	3.424	57.547	49.844	12.00	22.00	42.00	78.00	122.00
0.15	3.238	0.3214631	0.0286840	1.30	0.80	24.482	18.233	8.00	12.00	19.00	32.00	49.00	3.424	27.223	20.697	8.00	13.00	21.00	35.00	53.00
0.15	3.238	0.3214631	0.0286840	1.40	0.80	14.906	9.532	6.00	8.00	12.00	19.00	27.00	3.424	16.099	10.415	6.00	9.00	13.00	20.00	30.00
0.15	3.238	0.3214631	0.0286840	0.90	0.80	306.693	297.758	42.00	97.00	218.00	415.00	689.10	3.424	430.230	413.998	54.00	128.00	308.00	598.00	960.00
0.15	3.238	0.3214631	0.0286840	0.80	0.80	59.997	51.038	15.00	24.00	44.00	79.00	125.00	3.424	73.624	63.789	16.00	28.00	55.00	99.00	156.00
0.15	3.238	0.3214631	0.0286840	0.70	0.80	21.335	13.919	8.00	12.00	17.00	27.00	39.00	3.424	23.945	16.020	9.00	13.00	20.00	30.00	45.00
0.15	3.238	0.3214631	0.0286840	0.60	0.80	11.655	5.782	6.00	8.00	10.00	14.00	19.00	3.424	12.423	6.266	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	0.80	7.749	3.024	5.00	6.00	7.00	9.00	12.00	3.424	8.152	3.134	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	0.70	150.359	146.326	22.00	48.00	104.00	203.00	343.00	3.424	187.614	183.559	26.00	59.00	132.00	256.00	418.10
0.15	3.238	0.3214631	0.0286840	1.20	0.70	51.161	43.591	11.00	20.00	38.00	69.00	109.10	3.424	57.897	50.784	12.00	22.00	43.00	77.00	125.00
0.15	3.238	0.3214631	0.0286840	1.30	0.70	24.204	18.246	7.00	11.00	19.00	31.00	48.00	3.424	26.876	20.473	8.00	12.75	21.00	35.00	54.00
0.15	3.238	0.3214631	0.0286840	1.40	0.70	15.080	9.638	6.00	8.00	13.00	19.00	28.00	3.424	16.087	10.489	6.00	9.00	13.00	20.00	29.00
0.15	3.238	0.3214631	0.0286840	0.90	0.70	328.040	320.780	44.00	101.00	228.00	453.00	741.00	3.424	452.422	444.283	57.00	139.00	319.00	613.00	1045.00
0.15	3.238	0.3214631	0.0286840	0.80	0.70	59.772	50.482	14.00	24.00	45.00	79.00	126.00	3.424	73.228	63.857	16.00	28.00	54.00	97.00	155.00
0.15	3.238	0.3214631	0.0286840	0.70	0.70	21.398	14.042	8.00	12.00	17.00	27.00	40.00	3.424	23.971	16.193	9.00	13.00	20.00	30.00	45.00
0.15	3.238	0.3214631	0.0286840	0.60	0.70	11.475	5.586	6.00	7.00	10.00	14.00	19.00	3.424	12.462	6.211	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50																

0.15	3.238	0.3214631	0.0286840	0.70	0.60	21.666	14.256	8.00	12.00	18.00	28.00	41.00	3.424	24.087	16.148	9.00	13.00	20.00	31.00	45.00
0.15	3.238	0.3214631	0.0286840	0.60	0.60	11.621	5.682	6.00	8.00	10.00	14.00	19.00	3.424	12.491	6.321	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	0.60	7.698	2.983	5.00	6.00	7.00	9.00	12.00	3.424	8.194	3.171	5.00	6.00	7.00	10.00	12.00
0.15	3.238	0.3214631	0.0286840	1.10	0.50	153.778	147.383	23.00	50.00	110.00	208.00	343.00	3.424	187.497	177.552	27.00	60.00	132.00	262.00	424.10
0.15	3.238	0.3214631	0.0286840	1.20	0.50	50.637	43.608	11.00	20.00	38.00	68.00	108.00	3.424	58.639	50.467	13.00	22.00	44.00	79.00	126.00
0.15	3.238	0.3214631	0.0286840	1.30	0.50	24.489	18.351	7.00	12.00	19.00	32.00	48.00	3.424	27.156	20.872	8.00	13.00	21.00	35.00	54.00
0.15	3.238	0.3214631	0.0286840	1.40	0.50	15.009	9.634	6.00	8.00	13.00	19.00	27.00	3.424	16.367	10.767	6.00	9.00	14.00	21.00	30.00
0.15	3.238	0.3214631	0.0286840	0.90	0.50	340.322	331.598	43.00	103.75	239.00	469.00	774.00	3.424	478.555	461.204	59.00	149.00	339.00	663.00	1076.00
0.15	3.238	0.3214631	0.0286840	0.80	0.50	59.948	50.214	14.00	24.00	45.00	80.00	124.00	3.424	74.243	64.291	16.00	28.00	54.00	100.00	158.00
0.15	3.238	0.3214631	0.0286840	0.70	0.50	21.415	13.798	8.00	12.00	18.00	27.00	39.00	3.424	24.011	16.078	9.00	13.00	19.00	30.00	45.00
0.15	3.238	0.3214631	0.0286840	0.60	0.50	11.695	5.812	6.00	8.00	10.00	14.00	19.00	3.424	12.481	6.311	6.00	8.00	11.00	15.00	21.00
0.15	3.238	0.3214631	0.0286840	0.50	0.50	7.659	2.922	5.00	6.00	7.00	9.00	11.00	3.424	8.153	3.179	5.00	6.00	7.00	10.00	12.00

TABLE S.2. ARL Results of the Max-EWMA control chart when pure shift occurs in the shape2 parameter of beta distribution ($\Delta_\delta \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\alpha = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 0.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1													Case 2							
$\phi=290$													$\phi=148$							
$ARL_0 = 370$													$ARL_0 = 500$							
0.05	2.688	0.1811987	0.0092639	1.00	1.00	370.013	352.085	52.00	114.00	257.00	512.00	828.10	2.893	500.757	490.403	70.00	156.00	352.50	677.00	1134.10
0.05	2.688	0.1811987	0.0092639	1.10	1.00	22.073	10.386	11.00	15.00	20.00	27.00	36.00	2.893	23.856	11.252	12.00	16.00	21.00	29.00	39.00
0.05	2.688	0.1811987	0.0092639	1.20	1.00	9.881	2.897	7.00	8.00	9.00	11.00	14.00	2.893	10.392	2.995	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	1.00	6.707	1.509	5.00	6.00	7.00	8.00	9.00	2.893	6.976	1.542	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	1.00	5.252	1.007	4.00	5.00	5.00	6.00	7.00	2.893	5.483	1.023	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	1.00	17.662	8.293	9.00	12.00	16.00	22.00	29.00	2.893	18.749	8.814	9.00	12.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	1.00	6.893	2.138	4.00	5.00	7.00	8.00	10.00	2.893	7.211	2.230	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	1.00	4.119	1.031	3.00	3.00	4.00	5.00	5.00	2.893	4.268	1.054	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	1.00	2.839	0.641	2.00	2.00	3.00	3.00	4.00	2.893	2.942	0.653	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	1.00	2.111	0.385	2.00	2.00	2.00	2.00	3.00	2.893	2.172	0.409	2.00	2.00	2.00	2.00	3.00
0.10	3.016	0.2591350	0.0188482	1.00	1.00	371.343	361.678	46.00	115.00	268.00	518.00	840.00	3.203	499.233	498.621	58.00	144.00	344.50	692.00	1142.10
0.10	3.016	0.2591350	0.0188482	1.10	1.00	23.303	14.291	9.00	13.00	20.00	30.00	42.00	3.203	25.488	16.047	10.00	14.00	21.00	32.00	46.00
0.10	3.016	0.2591350	0.0188482	1.20	1.00	8.753	3.191	5.00	7.00	8.00	10.00	13.00	3.203	9.192	3.353	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	1.00	5.641	1.544	4.00	5.00	5.00	6.00	8.00	3.203	5.881	1.578	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	1.00	4.335	0.979	3.00	4.00	4.00	5.00	6.00	3.203	4.508	0.988	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	1.00	17.127	10.098	7.00	10.00	15.00	22.00	30.00	3.203	18.170	10.918	8.00	10.00	15.00	23.00	33.00
0.10	3.016	0.2591350	0.0188482	0.80	1.00	5.833	2.151	3.00	4.00	5.00	7.00	9.00	3.203	6.138	2.255	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	1.00	3.364	0.985	2.00	3.00	3.00	4.00	5.00	3.203	3.488	1.010	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	1.00	2.317	0.572	2.00	2.00	2.00	3.00	3.00	3.203	2.382	0.592	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	1.00	1.775	0.467	1.00	2.00	2.00	2.00	2.00	3.203	1.837	0.448	1.00	2.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.00	1.00	370.240	360.482	43.00	110.00	261.50	512.00	841.00	3.375	500.340	488.797	56.90	146.00	345.00	688.00	1135.10
0.15	3.194	0.3222067	0.0286625	1.10	1.00	27.010	19.563	9.00	13.00	22.00	35.00	53.00	3.375	30.887	22.965	10.00	15.00	24.00	40.00	60.00
0.15	3.194	0.3222067	0.0286625	1.20	1.00	8.572	3.722	5.00	6.00	8.00	10.00	13.00	3.375	9.035	3.940	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	1.00	5.237	1.661	3.00	4.00	5.00	6.00	7.00	3.375	5.434	1.687	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	1.00	3.939	1.004	3.00	3.00	4.00	4.00	5.00	3.375	4.101	1.039	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	1.00	17.862	12.281	6.00	9.00	15.00	23.00	34.00	3.375	19.583	13.590	7.00	10.00	16.00	25.00	37.00
0.15	3.194	0.3222067	0.0286625	0.80	1.00	5.458	2.342	3.00	4.00	5.00	7.00	9.00	3.375	5.688	2.359	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	1.00	3.036	0.969	2.00	2.00	3.00	4.00	4.00	3.375	3.142	1.008	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	1.00	2.085	0.555	1.00	2.00	2.00	2.00	3.00	3.375	2.153	0.567	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	1.00	1.531	0.515	1.00	1.00	2.00	2.00	2.00	3.375	1.585	0.510	1.00	1.00	2.00	2.00	2.00
0.05	2.701	0.1807278	0.0092167	1.00	1.00	370.234	354.010	54.00	120.00	265.00	508.00	838.10	2.897	500.684	482.925	65.00	156.00	355.00	685.25	1136.00
0.05	2.701	0.1807278	0.0092167	1.10	1.00	36.843	21.784	16.00	21.00	31.00	46.00	65.00	2.897	40.238	23.735	17.00	23.00	34.00	50.00	72.00
0.05	2.701	0.1807278	0.0092167	1.20	1.00	14.907	5.464	9.00	11.00	14.00	18.00	22.00	2.897	15.838	5.704	10.00	12.00	15.00	19.00	23.00

0.05	2.701	0.1807278	0.0092167	1.30	1.00	9.752	2.716	7.00	8.00	9.00	11.00	13.00	2.897	10.253	2.800	7.00	8.00	10.00	12.00	14.00	
0.05	2.701	0.1807278	0.0092167	1.40	1.00	7.532	1.727	6.00	6.00	7.00	8.00	10.00	2.897	7.877	1.764	6.00	7.00	8.00	9.00	10.00	
0.05	2.701	0.1807278	0.0092167	0.90	1.00	27.792	16.068	12.00	16.00	24.00	35.00	49.00	2.897	30.381	17.558	13.00	18.00	26.00	38.00	53.00	
0.05	2.701	0.1807278	0.0092167	0.80	1.00	10.129	3.855	6.00	7.00	9.00	12.00	15.00	2.897	10.602	3.994	6.00	8.00	10.00	13.00	16.00	
0.05	2.701	0.1807278	0.0092167	0.70	1.00	5.780	1.766	4.00	5.00	6.00	7.00	8.00	2.897	6.054	1.828	4.00	5.00	6.00	7.00	8.00	
0.05	2.701	0.1807278	0.0092167	0.60	1.00	3.877	1.018	3.00	3.00	4.00	4.00	5.00	2.897	4.039	1.044	3.00	3.00	4.00	5.00	5.00	
0.05	2.701	0.1807278	0.0092167	0.50	1.00	2.809	0.679	2.00	2.00	3.00	3.00	4.00	2.897	2.912	0.691	2.00	2.00	3.00	3.00	4.00	
0.10	3.026	0.2588440	0.0187933	1.00	1.00	370.575	360.502	44.00	111.00	266.00	514.00	848.00	3.216	500.284	486.196	63.00	154.00	352.00	688.00	1135.10	
0.10	3.026	0.2588440	0.0187933	1.10	1.00	44.770	33.754	14.00	21.00	35.00	58.00	88.00	3.216	51.251	39.648	15.00	23.00	40.00	67.00	101.00	
0.10	3.026	0.2588440	0.0187933	1.20	1.00	14.354	6.929	7.00	9.00	13.00	18.00	23.00	3.216	15.486	7.439	8.00	10.00	14.00	19.00	25.00	
0.10	3.026	0.2588440	0.0187933	1.30	1.00	8.695	3.026	5.00	7.00	8.00	10.00	13.00	3.216	9.144	3.195	6.00	7.00	9.00	11.00	13.00	
0.10	3.026	0.2588440	0.0187933	1.40	1.00	6.465	1.806	4.00	5.00	6.00	7.00	9.00	3.216	6.773	1.893	5.00	5.00	6.00	8.00	9.00	
0.10	3.026	0.2588440	0.0187933	0.90	1.00	29.186	20.888	10.00	14.00	23.00	38.00	56.00	3.216	32.324	23.682	10.00	16.00	26.00	42.00	63.00	
0.10	3.026	0.2588440	0.0187933	0.80	1.00	8.890	4.174	5.00	6.00	8.00	11.00	14.00	3.216	9.284	4.272	5.00	6.00	8.00	11.00	15.00	
0.10	3.026	0.2588440	0.0187933	0.70	1.00	4.830	1.711	3.00	4.00	5.00	6.00	7.00	3.216	5.033	1.798	3.00	4.00	5.00	6.00	7.00	
0.10	3.026	0.2588440	0.0187933	0.60	1.00	3.190	0.962	2.00	3.00	3.00	4.00	4.00	3.216	3.292	0.992	2.00	3.00	3.00	4.00	5.00	
0.10	3.026	0.2588440	0.0187933	0.50	1.00	2.304	0.614	2.00	2.00	2.00	3.00	3.00	3.216	2.374	0.627	2.00	2.00	2.00	3.00	3.00	
0.15	3.219	0.3210252	0.0284260	1.00	1.00	370.785	364.849	45.00	112.00	260.00	511.00	845.00	3.402	503.858	500.278	59.00	149.00	346.00	700.00	1147.10	
0.15	3.219	0.3210252	0.0284260	1.10	1.00	59.026	50.403	13.00	24.00	44.00	79.00	125.00	3.402	70.528	61.837	15.00	26.00	52.00	94.25	151.00	
0.15	3.219	0.3210252	0.0284260	1.20	1.00	15.608	9.185	7.00	9.00	13.00	19.00	27.00	3.402	17.014	9.935	7.00	10.00	15.00	21.00	30.00	
0.15	3.219	0.3210252	0.0284260	1.30	1.00	8.526	3.505	5.00	6.00	8.00	10.00	13.00	3.402	9.041	3.785	5.00	6.00	8.00	11.00	14.00	
0.15	3.219	0.3210252	0.0284260	1.40	1.00	6.082	1.977	4.00	5.00	6.00	7.00	9.00	3.402	6.399	2.106	4.00	5.00	6.00	7.00	9.00	
0.15	3.219	0.3210252	0.0284260	0.90	1.00	32.569	25.558	9.00	14.00	25.00	43.00	67.00	3.402	35.929	29.277	9.00	15.00	27.00	48.00	73.00	
0.15	3.219	0.3210252	0.0284260	0.80	1.00	8.593	4.515	4.00	5.00	8.00	11.00	14.00	3.402	9.145	4.870	4.00	6.00	8.00	11.00	16.00	
0.15	3.219	0.3210252	0.0284260	0.70	1.00	4.425	1.772	3.00	3.00	4.00	5.00	7.00	3.402	4.572	1.833	3.00	3.00	4.00	5.00	7.00	
0.15	3.219	0.3210252	0.0284260	0.60	1.00	2.858	0.942	2.00	2.00	3.00	3.00	4.00	3.402	2.944	0.972	2.00	2.00	3.00	3.00	4.00	
0.15	3.219	0.3210252	0.0284260	0.50	1.00	2.077	0.612	1.00	2.00	2.00	3.00	3.00	3.402	2.128	0.610	1.00	2.00	2.00	2.00	3.00	
Case 3																					
$\phi=80$																					
0.05	2.686	0.1809939	0.0093239	1.00	1.00	370.171	358.541	52.00	116.00	259.00	506.00	836.00	2.880	500.023	481.358	67.00	152.00	352.00	687.00	1124.00	
0.05	2.686	0.1809939	0.0093239	1.10	1.00	61.217	43.083	21.00	31.00	49.00	79.00	117.00	2.880	70.990	51.698	23.00	35.00	56.00	92.00	138.00	
0.05	2.686	0.1809939	0.0093239	1.20	1.00	22.984	10.381	12.00	16.00	21.00	28.00	37.00	2.880	24.531	11.098	13.00	17.00	22.00	30.00	39.00	
0.05	2.686	0.1809939	0.0093239	1.30	1.00	14.325	4.886	9.00	11.00	14.00	17.00	21.00	2.880	15.251	5.172	10.00	12.00	14.00	18.00	22.00	
0.05	2.686	0.1809939	0.0093239	1.40	1.00	10.757	2.980	7.00	9.00	10.00	12.00	15.00	2.880	11.366	3.082	8.00	9.00	11.00	13.00	16.00	
0.05	2.686	0.1809939	0.0093239	0.90	1.00	43.080	29.961	15.00	22.00	35.00	56.00	82.00	2.880	47.895	33.323	16.00	25.00	39.00	61.00	91.00	
0.05	2.686	0.1809939	0.0093239	0.80	1.00	14.554	6.620	8.00	10.00	13.00	18.00	23.00	2.880	15.469	7.014	8.00	11.00	14.00	19.00	25.00	
0.05	2.686	0.1809939	0.0093239	0.70	1.00	8.082	2.945	5.00	6.00	8.00	10.00	12.00	2.880	8.441	2.998	5.00	6.00	8.00	10.00	12.00	
0.05	2.686	0.1809939	0.0093239	0.60	1.00	5.281	1.637	3.00	4.00	5.00	6.00	7.00	2.880	5.467	1.663	4.00	4.00	5.00	6.00	8.00	
0.05	2.686	0.1809939	0.0093239	0.50	1.00	3.744	1.053	3.00	3.00	4.00	4.00	5.00	2.880	3.864	1.071	3.00	3.00	4.00	4.00	5.00	
0.10	3.015	0.2595725	0.0188190	1.00	1.00	370.849	364.131	46.00	114.00	260.00	510.00	851.10	3.204	499.684	497.469	59.00	149.00	349.50	689.25	1147.00	
0.10	3.015	0.2595725	0.0188190	1.10	1.00	84.696	72.814	19.00	33.00	63.00	113.00	181.00	3.204	104.032	90.873	23.00	40.00	77.00	137.00	223.00	
0.10	3.015	0.2595725	0.0188190	1.20	1.00	24.684	15.116	10.00	14.00	21.00	31.00	44.00	3.204	27.664	17.224	11.00	16.00	23.00	35.00	50.00	
0.10	3.015	0.2595725	0.0188190	1.30	1.00	13.770	6.093	7.00	9.00	12.00	17.00	22.00	3.204	14.661	6.565	8.00	10.00	13.00	18.00	23.00	
0.10	3.015	0.2595725	0.0188190	1.40	1.00	9.774	3.439	6.00	7.00	9.00	11.25	14.00	3.204	10.310	3.662	6.00	8.00	10.00	12.00	15.00	
0.10	3.015	0.2595725	0.0188190	0.90	1.00	46.948	37.909	12.00	20.00	36.00	62.00	96.00	3.204	53.626	44.308	13.00	23.00	40.00	71.00	111.00	
0.10	3.015	0.2595725	0.0188190	0.80	1.00	13.497	7.691	6.00	8.00	12.00	17.00	24.00	3.204	14.461	8.272	6.00	9.00	13.00	18.00	25.00	
0.10	3.015	0.2595725	0.0188190	0.70	1.00	6.907	3.024	4.00	5.00	6.00	8.00	11.00	3.204	7.191	3.053	4.00	5.00	7.00	9.00	11.00	
0.10	3.015	0.2595725	0.0188190	0.60	1.00	4.399	1.594	3.00	3.00	4.00	5.00	6.00	3.204	4.569	1.642	3.00	3.00	4.00	5.00	7.00	
0.10	3.015	0.2595725	0.0188190	0.50	1.00	3.062	0.986	2.00	2.00	3.00	4.00	4.00	3.204	3.186	1.010	2.00	2.00	3.00	4.00	4.00	
0.15	3.209	0.3224310	0.0286744	1.00	1.00	370.480	361.538	45.00	114.00	260.00	509.00	849.10	3.387	499.810	496.093	58.00	146.00	348.00	701.00	1136.00	
0.15	3.209	0.3224310	0.0286744	1.10	1.00	123.427	114.986	21.00	42.00	88.00	169.00	273.00	3.387	159.061	150.457	25.00	52.00	112.00	216.00	360.00	
0.15	3.209	0.3224310	0.0286744	1.20	1.00	30.668	22.749	10.00	15.00	24.00	39.00	60.00	3.387	36.111	27.422	11.00	17.00	28.00	47.00	72.00	
0.15	3.209	0.3224310	0.0286744	1.30	1.00	14.957	8.298	7.00	9.00	13.00	18.00	26.00	3.387	16.244	9.133	7.00	10.00	14.00	20.00	28.00	
0.15	3.209	0.3224310	0.0286744	1.40	1.00	9.778	4.279	5.00	7.00	9.00	12.00	15.00	3.387	10.514	4.569	6.00	7.00	10.00	13.00	16.00	
0.15	3.209	0.3224310	0.0286744	0.90	1.00	52.814	46.135	11.00	20.00	39.00	72.00	114.00	3.387	62.071	54.486	12.90	23.00	46.00	84.00	131.10	
0.15	3.209	0.3224310	0.0286744	0.80	1.00	13.714	8.832	5.00	8.00	11.00	17.00	25.00	3.387	14.439	9.501	5.00	8.00	12.00	18.00	26.00	
0.15	3.209	0.3224310	0.0286744	0.70	1.00	6.550	3.192	3.00	4.00	6.00	8.00	11.00	3.387	6.838	3.367	3.00	4.00	6.00	8.00	11.00	
0.15	3.209	0.3224310	0.0286744	0.60	1.00	4.001	1.634	2.00	3.00	4.00	5.00	6.00	3.387	4.							

0.05	2.709	0.1808844	0.0091702	1.00	1.00	370.569	357.996	51.00	117.00	262.00	512.25	835.00	2.910	500.684	492.713	65.00	153.00	349.00	686.00	1133.10
0.05	2.709	0.1808844	0.0091702	1.10	1.00	137.977	116.741	33.00	56.00	103.00	183.00	289.00	2.910	167.995	145.676	38.00	65.75	124.00	225.00	357.00
0.05	2.709	0.1808844	0.0091702	1.20	1.00	49.116	30.700	19.00	27.00	41.00	62.00	90.00	2.910	55.281	35.488	21.00	30.00	46.00	71.00	102.00
0.05	2.709	0.1808844	0.0091702	1.30	1.00	27.982	13.583	14.00	18.00	25.00	34.00	45.00	2.910	30.284	14.504	16.00	20.00	27.00	37.00	49.00
0.05	2.709	0.1808844	0.0091702	1.40	1.00	20.108	7.949	12.00	14.00	19.00	24.00	30.00	2.910	21.412	8.244	13.00	15.00	20.00	26.00	32.00
0.05	2.709	0.1808844	0.0091702	0.90	1.00	81.366	66.553	21.00	35.00	62.00	106.00	166.00	2.910	93.429	76.781	23.00	39.00	71.00	124.00	195.00
0.05	2.709	0.1808844	0.0091702	0.80	1.00	26.777	16.497	11.00	15.00	23.00	34.00	48.00	2.910	28.991	17.229	12.00	17.00	25.00	37.00	52.00
0.05	2.709	0.1808844	0.0091702	0.70	1.00	13.995	6.624	7.00	9.00	13.00	17.00	23.00	2.910	14.728	7.049	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	1.00	8.704	3.508	5.00	6.00	8.00	11.00	13.00	2.910	9.155	3.595	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	1.00	5.977	2.146	4.00	4.00	6.00	7.00	9.00	2.910	6.279	2.247	4.00	5.00	6.00	8.00	9.00
0.05	2.709	0.1808844	0.0091702	1.00	1.10	350.110	332.849	54.00	113.00	249.00	481.00	771.10	2.910	493.559	474.594	70.00	154.00	349.00	676.00	1127.00
0.10	3.027	0.2591139	0.0188166	1.00	1.00	370.468	364.483	45.00	109.00	256.00	509.25	842.00	3.220	501.043	489.473	60.00	147.00	345.00	684.00	1135.10
0.10	3.027	0.2591139	0.0188166	1.10	1.00	218.623	204.640	36.00	73.00	155.00	297.25	484.10	3.220	294.570	281.306	44.00	96.00	206.00	403.00	680.00
0.10	3.027	0.2591139	0.0188166	1.20	1.00	70.543	57.730	18.00	30.00	53.00	93.00	146.00	3.220	87.125	72.398	22.00	36.00	65.00	116.00	181.00
0.10	3.027	0.2591139	0.0188166	1.30	1.00	33.719	22.160	13.00	18.00	28.00	43.00	62.00	3.220	38.740	26.531	14.00	20.00	31.00	50.00	73.00
0.10	3.027	0.2591139	0.0188166	1.40	1.00	21.287	11.180	10.00	13.00	19.00	26.00	36.00	3.220	23.950	12.986	11.00	15.00	21.00	30.00	41.00
0.10	3.027	0.2591139	0.0188166	0.90	1.00	89.991	82.159	17.00	32.00	64.00	121.00	199.00	3.220	106.794	96.550	20.00	38.00	78.00	145.00	232.00
0.10	3.027	0.2591139	0.0188166	0.80	1.00	26.891	19.508	8.00	13.00	22.00	35.00	52.00	3.220	29.526	21.675	9.00	14.00	23.00	38.00	58.00
0.10	3.027	0.2591139	0.0188166	0.70	1.00	12.580	7.269	5.00	7.00	11.00	16.00	22.00	3.220	13.464	7.786	6.00	8.00	12.00	17.00	24.00
0.10	3.027	0.2591139	0.0188166	0.60	1.00	7.559	3.651	4.00	5.00	7.00	9.00	12.00	3.220	7.942	3.802	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	1.00	5.046	2.096	3.00	4.00	5.00	6.00	8.00	3.220	5.228	2.166	3.00	4.00	5.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.00	1.00	370.233	365.299	42.00	109.00	254.00	506.00	846.00	3.424	501.240	501.237	57.00	147.00	352.00	704.00	1159.00
0.15	3.238	0.3214631	0.0286840	1.10	1.00	337.031	323.411	42.00	100.00	239.00	470.00	768.00	3.424	479.861	469.445	59.00	144.00	336.00	666.00	1084.20
0.15	3.238	0.3214631	0.0286840	1.20	1.00	118.029	109.789	21.00	41.00	85.00	159.00	255.00	3.424	157.470	149.001	26.00	51.75	110.00	214.00	354.00
0.15	3.238	0.3214631	0.0286840	1.30	1.00	49.892	39.957	14.00	22.00	38.00	66.00	102.00	3.424	61.037	50.910	15.00	25.00	45.00	80.00	128.00
0.15	3.238	0.3214631	0.0286840	1.40	1.00	27.929	19.154	10.00	15.00	22.00	35.00	53.00	3.424	32.439	23.048	11.00	16.00	26.00	42.00	62.10
0.15	3.238	0.3214631	0.0286840	0.90	1.00	98.729	91.667	16.00	34.00	71.00	135.00	216.00	3.424	118.337	111.662	18.00	39.00	84.00	162.00	260.00
0.15	3.238	0.3214631	0.0286840	0.80	1.00	28.672	22.970	7.00	12.00	22.00	38.00	59.00	3.424	32.066	26.409	8.00	13.00	24.00	43.00	66.00
0.15	3.238	0.3214631	0.0286840	0.70	1.00	12.596	8.244	5.00	7.00	11.00	16.00	23.00	3.424	13.432	8.772	5.00	7.00	11.00	17.00	25.00
0.15	3.238	0.3214631	0.0286840	0.60	1.00	7.069	3.851	3.00	4.00	6.00	9.00	12.00	3.424	7.544	4.149	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	1.00	4.638	2.147	2.00	3.00	4.00	6.00	7.00	3.424	4.824	2.242	2.00	3.00	4.00	6.00	8.00

TABLE S.3. ARL Results of the Max-EWMA control chart when pure shift occurs in the shape parameter of UNH distribution ($\Delta_\alpha \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\delta = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 0.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	
													$ARL_0 = 370$								
													$ARL_0 = 500$								
Case 1																					
$\phi=290$																					
0.05	2.688	0.1811987	0.0092639	1.00	1.00	370.013	352.085	52.00	114.00	257.00	512.00	828.10	2.893	500.757	490.403	70.00	156.00	352.50	677.00	1134.10	
0.05	2.688	0.1811987	0.0092639	1.00	1.10	351.081	338.585	54.00	115.00	248.00	472.00	790.00	2.893	491.794	475.443	70.00	158.00	348.00	677.00	1105.20	
0.05	2.688	0.1811987	0.0092639	1.00	1.20	234.316	210.895	43.90	84.00	170.00	317.00	513.00	2.893	309.201	286.482	53.00	108.00	222.00	418.00	677.10	
0.05	2.688	0.1811987	0.0092639	1.00	1.30	149.002	125.166	35.00	59.00	112.00	201.00	313.00	2.893	191.280	165.340	43.00	74.00	141.00	256.00	411.00	
0.05	2.688	0.1811987	0.0092639	1.00	1.40	105.305	82.476	30.00	47.00	81.00	138.00	213.00	2.893	128.413	103.414	34.00	56.00	99.00	168.00	264.00	
0.05	2.688	0.1811987	0.0092639	1.00	0.90	227.116	213.036	38.00	79.00	161.00	304.25	505.00	2.893	285.511	267.954	45.00	94.00	204.00	391.00	633.00	
0.05	2.688	0.1811987	0.0092639	1.00	0.80	113.510	97.238	26.00	45.00	84.00	151.00	238.00	2.893	132.394	113.699	30.00	52.00	98.00	178.25	280.00	
0.05	2.688	0.1811987	0.0092639	1.00	0.70	55.412	39.232	18.00	28.00	45.00	72.00	106.00	2.893	62.991	46.039	21.00	31.00	50.00	81.00	123.00	
0.05	2.688	0.1811987	0.0092639	1.00	0.60	31.460	18.365	14.00	19.00	27.00	39.00	55.00	2.893	33.486	18.964	15.00	20.00	29.00	42.00	58.00	
0.05	2.688	0.1811987	0.0092639	1.00	0.50	19.499	8.819	10.00	13.00	18.00	24.00	31.00	2.893	20.649	9.275	11.00	14.00	19.00	25.00	33.00	
0.10	3.016	0.2591350	0.0188482	1.00	1.00	371.343	361.678	46.00	115.00	268.00	518.00	840.00	3.203	499.233	498.621	58.00	144.00	344.50	692.00	1142.10	
0.10	3.016	0.2591350	0.0188482	1.00	1.10	462.649	453.490	57.00	139.00	322.00	641.00	1057.10	3.203	655.636	643.253	79.00	198.00	460.50	902.25	1492.10	
0.10	3.016	0.2591350	0.0188482	1.00	1.20	445.854	440.453	55.00	135.00	310.00	614.00	997.00	3.203	672.703	661.035	83.00	205.00	466.00	919.00	1538.10	
0.10	3.016	0.2591350	0.0188482	1.00	1.30	352.014	335.558	49.00	111.00	250.00	488.00	784.00	3.203	539.580	525.026	69.00	166.00	379.00	743.25	1207.10	
0.10	3.016	0.2591350	0.0188482	1.00	1.40	257.853	240.118	41.00	85.00	185.00	354.00	571.00	3.203	390.345	374.763	57.00	122.00	275.00	537.00	899.00	
0.10	3.016	0.2591350	0.0188482	1.00	0.90	233.382	224.103	31.00	73.00	163.00	321.00	532.10	3.203	302.592	287.160	40.00	94.00	218.00	417.00	683.10	

0.10	3.016	0.2591350	0.0188482	1.00	0.80	127.543	117.674	23.00	44.00	91.00	173.00	283.00	3.203	157.964	147.934	26.00	54.00	113.00	215.00	351.00
0.10	3.016	0.2591350	0.0188482	1.00	0.70	65.337	55.335	15.00	26.00	49.00	87.00	136.00	3.203	75.086	63.939	17.00	29.75	56.00	101.00	159.00
0.10	3.016	0.2591350	0.0188482	1.00	0.60	34.037	24.614	11.00	17.00	27.00	44.00	66.00	3.203	38.037	27.949	12.00	18.00	30.00	49.00	75.00
0.10	3.016	0.2591350	0.0188482	1.00	0.50	19.623	11.299	8.00	12.00	17.00	25.00	34.00	3.203	21.218	12.370	9.00	13.00	18.00	27.00	37.00
0.15	3.194	0.3222067	0.0286625	1.00	1.00	370.240	360.482	43.00	110.00	261.50	512.00	841.00	3.375	500.340	488.797	56.90	146.00	345.00	688.00	1135.10
0.15	3.194	0.3222067	0.0286625	1.00	1.10	477.817	471.384	55.00	142.00	333.00	658.25	1103.20	3.375	655.261	646.196	72.00	190.00	458.00	908.25	1516.10
0.15	3.194	0.3222067	0.0286625	1.00	1.20	558.437	555.246	64.00	160.00	387.00	777.25	1275.00	3.375	787.682	779.621	88.00	227.00	547.00	1091.00	1807.00
0.15	3.194	0.3222067	0.0286625	1.00	1.30	621.075	620.569	72.00	179.00	430.00	864.00	1421.20	3.375	848.382	838.348	93.00	241.75	591.00	1173.00	1979.00
0.15	3.194	0.3222067	0.0286625	1.00	1.40	648.980	636.379	75.00	198.00	455.00	896.00	1464.00	3.375	916.539	894.465	99.00	266.00	630.00	1294.00	2122.20
0.15	3.194	0.3222067	0.0286625	1.00	0.90	243.465	234.436	31.00	74.00	169.00	339.00	562.00	3.375	321.474	317.065	41.00	98.00	227.00	440.00	729.00
0.15	3.194	0.3222067	0.0286625	1.00	0.80	142.974	137.241	21.00	46.00	100.00	195.25	318.00	3.375	180.334	174.248	25.00	57.00	126.00	246.25	405.00
0.15	3.194	0.3222067	0.0286625	1.00	0.70	76.536	69.791	14.00	27.00	55.00	104.00	166.00	3.375	93.323	85.432	17.00	32.00	68.00	126.00	201.00
0.15	3.194	0.3222067	0.0286625	1.00	0.60	40.115	32.289	11.00	17.00	31.00	53.00	83.00	3.375	46.330	38.592	11.00	19.00	35.00	61.00	97.00
0.15	3.194	0.3222067	0.0286625	1.00	0.50	21.712	14.827	8.00	11.00	18.00	28.00	41.00	3.375	23.941	16.855	8.00	12.00	19.00	31.00	46.00

Case 2
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0.05	2.701	0.1807278	0.0092167	1.00	1.00	370.234	354.010	54.00	120.00	265.00	508.00	838.10	2.897	500.684	482.925	65.00	156.00	355.00	685.25	1136.00
0.05	2.701	0.1807278	0.0092167	1.00	1.10	351.251	331.866	51.90	113.00	251.00	477.00	793.00	2.897	486.833	467.687	68.00	151.75	343.00	670.00	1107.00
0.05	2.701	0.1807278	0.0092167	1.00	1.20	232.647	210.038	45.00	84.00	170.00	315.00	506.00	2.897	307.527	280.240	54.00	108.00	227.00	414.00	662.00
0.05	2.701	0.1807278	0.0092167	1.00	1.30	151.432	128.634	36.00	61.00	113.00	202.00	318.00	2.897	191.895	167.654	42.00	74.00	141.00	255.00	406.00
0.05	2.701	0.1807278	0.0092167	1.00	1.40	106.013	82.513	30.00	47.00	82.00	139.00	214.00	2.897	129.961	105.808	34.00	56.00	98.00	171.00	268.00
0.05	2.701	0.1807278	0.0092167	1.00	0.90	227.939	210.906	38.90	78.00	166.00	308.25	501.00	2.897	290.492	274.952	45.00	96.00	208.00	392.00	645.00
0.05	2.701	0.1807278	0.0092167	1.00	0.80	109.494	93.719	26.00	45.00	81.00	145.00	228.00	2.897	132.548	114.091	29.00	52.00	99.00	177.00	285.00
0.05	2.701	0.1807278	0.0092167	1.00	0.70	55.960	40.529	18.00	27.00	45.00	72.00	108.00	2.897	62.965	45.610	20.00	31.00	50.00	82.00	123.00
0.05	2.701	0.1807278	0.0092167	1.00	0.60	31.416	18.111	13.00	19.00	27.00	40.00	55.00	2.897	34.037	19.945	14.00	20.00	29.00	43.00	60.00
0.05	2.701	0.1807278	0.0092167	1.00	0.50	19.462	8.682	10.00	13.00	18.00	24.00	31.00	2.897	20.741	9.235	11.00	14.00	19.00	25.00	33.00
0.10	3.026	0.2588440	0.0187933	1.00	1.00	370.575	360.502	44.00	111.00	266.00	514.00	848.00	3.216	500.284	486.196	63.00	154.00	352.00	688.00	1135.10
0.10	3.026	0.2588440	0.0187933	1.00	1.10	461.986	447.553	58.00	142.00	325.00	641.00	1057.10	3.216	669.192	654.327	73.90	199.75	467.00	935.00	1539.00
0.10	3.026	0.2588440	0.0187933	1.00	1.20	448.520	436.881	56.00	137.00	315.00	620.00	1007.00	3.216	678.644	667.126	80.00	199.00	473.00	937.00	1550.20
0.10	3.026	0.2588440	0.0187933	1.00	1.30	358.407	344.731	50.00	114.00	252.00	497.00	800.00	3.216	549.788	537.696	71.90	166.00	384.00	761.25	1249.10
0.10	3.026	0.2588440	0.0187933	1.00	1.40	257.729	244.849	41.00	85.75	180.00	352.00	572.10	3.216	390.255	378.560	56.00	123.00	273.00	531.00	885.10
0.10	3.026	0.2588440	0.0187933	1.00	0.90	232.565	221.804	32.00	73.00	164.00	321.00	523.00	3.216	307.459	298.289	40.00	95.00	214.00	424.00	694.00
0.10	3.026	0.2588440	0.0187933	1.00	0.80	127.073	115.405	23.00	44.00	92.00	173.00	277.00	3.216	157.475	146.076	25.00	52.00	113.00	219.00	352.10
0.10	3.026	0.2588440	0.0187933	1.00	0.70	65.175	54.637	15.00	26.00	49.00	87.00	137.00	3.216	77.163	67.268	17.00	30.00	57.00	103.00	162.10
0.10	3.026	0.2588440	0.0187933	1.00	0.60	33.866	24.511	11.00	17.00	27.00	43.00	65.00	3.216	38.624	28.490	12.00	19.00	30.00	50.00	76.00
0.10	3.026	0.2588440	0.0187933	1.00	0.50	19.341	10.884	8.00	12.00	17.00	24.00	33.00	3.216	21.327	12.598	9.00	12.00	18.00	27.00	38.00
0.15	3.219	0.3210252	0.0284260	1.00	1.00	370.785	364.849	45.00	112.00	260.00	511.00	845.00	3.402	503.858	500.278	59.00	149.00	346.00	700.00	1147.10
0.15	3.219	0.3210252	0.0284260	1.00	1.10	474.654	476.905	53.00	134.00	328.00	650.00	1097.00	3.402	647.158	641.214	73.00	193.00	451.00	889.00	1481.00
0.15	3.219	0.3210252	0.0284260	1.00	1.20	574.066	572.425	63.00	166.00	396.00	803.00	1316.00	3.402	782.225	766.911	87.90	230.00	549.00	1075.25	1787.00
0.15	3.219	0.3210252	0.0284260	1.00	1.30	620.153	620.480	65.90	181.00	428.00	851.00	1437.00	3.402	876.609	851.229	99.00	262.75	616.50	1202.25	2005.00
0.15	3.219	0.3210252	0.0284260	1.00	1.40	642.378	632.610	74.00	189.00	447.00	883.00	1465.10	3.402	910.699	871.479	104.00	274.00	644.00	1269.00	2088.00
0.15	3.219	0.3210252	0.0284260	1.00	0.90	248.428	241.410	31.00	75.00	174.00	342.00	561.00	3.402	319.325	309.204	40.00	96.00	225.50	442.00	728.00
0.15	3.219	0.3210252	0.0284260	1.00	0.80	142.742	135.405	21.00	47.00	101.00	196.00	315.00	3.402	181.317	174.657	25.00	57.00	129.00	248.00	404.00
0.15	3.219	0.3210252	0.0284260	1.00	0.70	76.143	68.148	15.00	28.00	55.00	102.00	166.00	3.402	93.339	85.665	17.00	32.00	67.00	126.00	207.00
0.15	3.219	0.3210252	0.0284260	1.00	0.60	39.596	32.316	10.00	17.00	30.00	52.00	81.00	3.402	46.466	38.302	11.00	19.00	35.00	62.00	96.00
0.15	3.219	0.3210252	0.0284260	1.00	0.50	21.526	14.670	8.00	11.00	17.00	28.00	41.00	3.402	23.972	16.520	9.00	12.00	19.00	31.00	46.00

Case 3
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0.05	2.686	0.1809939	0.0093239	1.00	1.00	370.171	358.541	52.00	116.00	259.00	506.00	836.00	2.880	500.023	481.358	67.00	152.00	352.00	687.00	1124.00
0.05	2.686	0.1809939	0.0093239	1.00	1.10	355.275	337.477	54.00	112.00	252.00	486.00	792.10	2.880	489.431	476.741	68.00	151.00	343.00	674.00	1112.00
0.05	2.686	0.1809939	0.0093239	1.00	1.20	235.497	216.039	44.90	84.00	169.00	316.00	514.10	2.880	314.895	286.933	57.00	109.00	227.50	428.25	690.00
0.05	2.686	0.1809939	0.0093239	1.00	1.30	150.093	128.041	35.00	60.00	113.00	198.00	314.00	2.880	190.420	165.015	41.00	73.00	140.00	256.00	401.00
0.05	2.686	0.1809939	0.0093239	1.00	1.40	105.429	82.674	31.00	48.00	80.00	138.00	211.00	2.880	128.984	103.314	35.00	56.00	99.00	171.00	262.00
0.05	2.686	0.1809939	0.0093239	1.00	0.90	228.299	212.967	38.00	77.00	163.00	309.00	502.00	2.880	289.868	272.260	46.00	96.00	206.00	397.00	638.10
0.05	2.686	0.1809939	0.0093239	1.00	0.80	111.765	94.071	26.00	45.00	85.00	149.00	235.00	2.880	131.846	112.950	29.00	52.00	99.00	174.00	280.10
0.05	2.686	0.1809939	0.0093239	1.00	0.70	56.143	40.935	18.00	28.00	45.00	72.00	108.00	2.880	63.499	46.748	20.00	31.00	51.00	82.00	123.00
0.05	2.686	0.1809939	0.0093239	1.00	0.60	3														

0.10	3.015	0.2595725	0.0188190	1.00	1.30	354.576	338.798	50.00	110.00	250.00	489.25	802.10	3.204	547.375	535.162	71.00	167.00	389.00	745.00	1249.10
0.10	3.015	0.2595725	0.0188190	1.00	1.40	251.997	236.607	40.00	83.00	180.00	345.00	561.00	3.204	390.181	370.040	55.00	123.00	279.00	537.00	877.00
0.10	3.015	0.2595725	0.0188190	1.00	0.90	231.112	221.806	32.00	72.75	161.00	317.00	523.00	3.204	302.105	292.267	40.00	93.00	211.00	416.00	693.00
0.10	3.015	0.2595725	0.0188190	1.00	0.80	125.861	117.091	22.00	43.00	90.00	171.00	277.00	3.204	158.414	145.652	26.00	53.00	115.00	217.00	356.00
0.10	3.015	0.2595725	0.0188190	1.00	0.70	65.209	53.677	15.00	27.00	49.00	88.00	138.00	3.204	76.187	65.681	17.00	30.00	57.00	103.00	163.00
0.10	3.015	0.2595725	0.0188190	1.00	0.60	33.833	24.926	11.00	16.00	27.00	44.00	66.00	3.204	38.032	27.842	12.00	19.00	30.00	49.00	74.00
0.10	3.015	0.2595725	0.0188190	1.00	0.50	19.308	11.050	8.00	11.00	17.00	24.00	34.00	3.204	21.053	12.270	9.00	12.00	18.00	26.00	37.00
0.15	3.209	0.3224310	0.0286744	1.00	1.00	370.480	361.538	45.00	114.00	260.00	509.00	849.10	3.387	499.810	496.093	58.00	146.00	348.00	701.00	1136.00
0.15	3.209	0.3224310	0.0286744	1.00	1.10	482.252	479.636	55.00	145.00	339.00	661.25	1102.10	3.387	656.610	638.809	74.90	194.00	462.00	915.00	1492.10
0.15	3.209	0.3224310	0.0286744	1.00	1.20	576.483	566.114	65.00	169.75	399.00	804.25	1323.10	3.387	772.643	761.229	87.00	222.00	533.00	1064.00	1794.00
0.15	3.209	0.3224310	0.0286744	1.00	1.30	624.094	622.550	66.00	181.00	433.00	866.25	1431.10	3.387	857.140	832.495	100.00	255.00	595.00	1190.25	1969.00
0.15	3.209	0.3224310	0.0286744	1.00	1.40	654.202	656.188	74.00	186.00	457.00	901.25	1489.10	3.387	910.521	883.440	101.00	271.00	638.50	1276.00	2086.10
0.15	3.209	0.3224310	0.0286744	1.00	0.90	244.912	237.596	31.00	74.00	173.00	337.00	556.00	3.387	325.858	316.699	42.00	100.00	229.00	452.00	732.00
0.15	3.209	0.3224310	0.0286744	1.00	0.80	142.762	136.873	21.00	46.00	99.00	194.00	321.10	3.387	183.974	175.148	27.00	59.00	130.00	254.00	412.00
0.15	3.209	0.3224310	0.0286744	1.00	0.70	77.750	70.424	15.00	28.00	56.00	106.00	170.00	3.387	92.936	85.486	18.00	33.00	66.00	125.00	203.00
0.15	3.209	0.3224310	0.0286744	1.00	0.60	40.318	33.280	11.00	17.00	30.00	53.00	84.00	3.387	46.946	38.611	12.00	20.00	35.00	62.00	98.00
0.15	3.209	0.3224310	0.0286744	1.00	0.50	21.570	14.660	8.00	11.00	18.00	27.00	41.00	3.387	24.166	17.055	8.00	12.00	19.00	31.00	46.00

Case 4
phi=31

0.05	2.709	0.1808844	0.0091702	1.00	1.00	370.569	357.996	51.00	117.00	262.00	512.25	835.00	2.910	500.684	492.713	65.00	153.00	349.00	686.00	1133.10
0.05	2.709	0.1808844	0.0091702	1.00	1.10	350.110	332.849	54.00	113.00	249.00	481.00	771.10	2.910	493.559	474.594	70.00	154.00	349.00	676.00	1127.00
0.05	2.709	0.1808844	0.0091702	1.00	1.20	231.694	207.880	44.00	85.00	170.00	311.00	500.00	2.910	312.303	289.874	53.00	104.00	224.00	425.00	693.00
0.05	2.709	0.1808844	0.0091702	1.00	1.30	151.623	128.842	36.00	61.00	113.00	202.00	320.00	2.910	191.219	164.212	44.00	75.00	143.00	256.00	397.10
0.05	2.709	0.1808844	0.0091702	1.00	1.40	105.283	82.224	30.00	47.00	82.00	138.00	212.00	2.910	130.097	105.409	35.00	55.00	99.00	172.00	265.00
0.05	2.709	0.1808844	0.0091702	1.00	0.90	228.948	210.501	39.00	80.00	165.00	311.00	509.00	2.910	287.541	275.512	44.00	95.00	205.00	392.25	637.00
0.05	2.709	0.1808844	0.0091702	1.00	0.80	112.508	93.929	26.00	45.00	85.00	150.00	237.00	2.910	133.145	115.334	29.00	52.00	99.00	178.00	281.00
0.05	2.709	0.1808844	0.0091702	1.00	0.70	56.236	40.599	18.00	28.00	45.00	72.00	109.00	2.910	62.781	46.271	20.00	31.00	50.00	80.00	121.00
0.05	2.709	0.1808844	0.0091702	1.00	0.60	31.705	18.467	14.00	19.00	27.00	40.00	56.00	2.910	34.206	19.577	14.90	20.00	30.00	43.00	60.00
0.05	2.709	0.1808844	0.0091702	1.00	0.50	19.356	8.721	10.00	13.00	18.00	24.00	31.00	2.910	20.713	9.288	11.00	14.00	19.00	25.00	33.00
0.10	3.027	0.2591139	0.0188166	1.00	1.00	370.468	364.483	45.00	109.00	256.00	509.25	842.00	3.220	501.043	489.473	60.00	147.00	345.00	684.00	1135.10
0.10	3.027	0.2591139	0.0188166	1.00	1.10	461.259	449.945	56.00	140.00	321.00	641.00	1052.00	3.220	654.708	654.771	73.00	193.00	449.00	906.00	1508.10
0.10	3.027	0.2591139	0.0188166	1.00	1.20	448.018	434.732	55.00	137.00	314.00	621.25	1012.10	3.220	678.046	669.222	80.00	202.75	476.50	928.00	1546.00
0.10	3.027	0.2591139	0.0188166	1.00	1.30	357.580	337.733	49.00	112.00	255.00	492.00	811.00	3.220	539.884	520.543	73.00	166.00	379.00	744.00	1220.00
0.10	3.027	0.2591139	0.0188166	1.00	1.40	257.065	243.093	40.00	86.00	183.00	348.00	576.00	3.220	394.944	380.133	56.00	123.75	276.00	543.00	893.00
0.10	3.027	0.2591139	0.0188166	1.00	0.90	232.638	224.255	31.00	74.00	164.00	319.00	521.10	3.220	303.184	292.348	39.00	94.00	213.00	413.00	688.10
0.10	3.027	0.2591139	0.0188166	1.00	0.80	127.005	118.906	22.00	43.00	90.00	172.00	281.00	3.220	159.024	149.208	26.00	53.00	115.00	214.00	352.10
0.10	3.027	0.2591139	0.0188166	1.00	0.70	65.712	55.910	15.00	26.00	49.00	88.00	137.00	3.220	77.359	65.926	18.00	30.00	57.00	104.00	166.00
0.10	3.027	0.2591139	0.0188166	1.00	0.60	34.412	24.809	11.00	17.00	28.00	44.00	67.00	3.220	38.639	28.302	12.00	19.00	31.00	50.00	76.00
0.10	3.027	0.2591139	0.0188166	1.00	0.50	19.486	11.099	8.00	12.00	17.00	24.00	34.00	3.220	21.165	12.151	9.00	12.00	18.00	27.00	37.00
0.15	3.238	0.3214631	0.0286840	1.00	1.00	370.233	365.299	42.00	109.00	254.00	506.00	846.00	3.424	501.240	501.237	57.00	147.00	352.00	704.00	1159.00
0.15	3.238	0.3214631	0.0286840	1.00	1.10	486.394	489.754	55.00	144.00	339.00	671.25	1103.00	3.424	651.695	651.918	75.00	192.00	451.00	894.00	1505.00
0.15	3.238	0.3214631	0.0286840	1.00	1.20	571.264	564.759	65.00	173.00	401.00	782.25	1308.00	3.424	781.015	772.600	85.00	226.00	538.00	1091.00	1821.20
0.15	3.238	0.3214631	0.0286840	1.00	1.30	618.984	618.188	67.00	182.00	425.00	847.00	1420.00	3.424	853.380	826.663	93.00	254.00	600.00	1179.00	1964.10
0.15	3.238	0.3214631	0.0286840	1.00	1.40	641.802	636.024	72.00	189.00	451.00	881.00	1474.00	3.424	884.749	861.747	97.00	260.00	619.00	1240.00	2034.20
0.15	3.238	0.3214631	0.0286840	1.00	0.90	253.213	248.791	32.00	76.00	177.00	346.00	574.10	3.424	332.305	320.589	40.00	102.00	235.00	459.00	760.10
0.15	3.238	0.3214631	0.0286840	1.00	0.80	149.875	143.988	22.00	48.00	106.50	204.00	341.00	3.424	188.614	180.436	26.00	60.00	132.00	260.00	424.00
0.15	3.238	0.3214631	0.0286840	1.00	0.70	79.908	72.593	15.00	29.00	58.00	107.00	174.00	3.424	96.021	88.889	17.00	33.00	68.00	131.00	211.00
0.15	3.238	0.3214631	0.0286840	1.00	0.60	41.311	34.120	11.00	18.00	31.00	54.00	86.00	3.424	47.872	40.262	12.00	19.00	36.00	64.00	100.00
0.15	3.238	0.3214631	0.0286840	1.00	0.50	21.855	14.985	8.00	11.00	18.00	28.00	41.00	3.424	24.686	17.502	9.00	12.00	20.00	32.00	47.00

TABLE S.4. ARL Results of the Max-EWMA control chart when simultaneous shift occurs in the shape2 parameter of beta distribution and shape parameter of UNH distribution ($\Delta_\delta \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\alpha \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$ when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 0.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$)

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1																				
$\phi=290$													$ARL_0 = 500$							
$ARL_0 = 370$																				
0.05	2.688	0.1811987	0.0092639	1.00	1.00	370.013	352.085	52.00	114.00	257.00	512.00	828.10	2.893	500.757	490.403	70.00	156.00	352.50	677.00	1134.10
0.05	2.688	0.1811987	0.0092639	1.10	1.10	22.247	10.376	11.00	15.00	20.00	27.00	36.00	2.893	23.855	11.365	12.00	16.00	21.00	29.00	39.00
0.05	2.688	0.1811987	0.0092639	1.20	1.10	9.879	2.908	7.00	8.00	9.00	11.00	14.00	2.893	10.382	3.031	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	1.10	6.712	1.503	5.00	6.00	7.00	8.00	9.00	2.893	6.988	1.531	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	1.10	5.269	0.989	4.00	5.00	5.00	6.00	6.00	2.893	5.488	1.015	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	1.10	17.674	8.390	9.00	12.00	16.00	22.00	29.00	2.893	18.773	8.786	9.00	13.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	1.10	6.909	2.132	4.00	5.00	7.00	8.00	10.00	2.893	7.262	2.247	5.00	6.00	7.00	9.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	1.10	4.101	1.039	3.00	3.00	4.00	5.00	5.00	2.893	4.272	1.051	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	1.10	2.829	0.643	2.00	2.00	3.00	3.00	4.00	2.893	2.929	0.654	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	1.10	2.118	0.390	2.00	2.00	2.00	2.00	3.00	2.893	2.173	0.414	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	1.20	22.251	10.207	12.00	15.00	20.00	27.00	36.00	2.893	23.677	11.089	12.00	16.00	21.00	29.00	38.00
0.05	2.688	0.1811987	0.0092639	1.20	1.20	9.838	2.891	7.00	8.00	9.00	11.00	14.00	2.893	10.395	3.020	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	1.20	6.694	1.515	5.00	6.00	7.00	8.00	9.00	2.893	6.986	1.529	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	1.20	5.244	0.992	4.00	5.00	5.00	6.00	6.00	2.893	5.489	1.003	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	1.20	17.728	8.307	9.00	12.00	16.00	22.00	29.00	2.893	18.854	8.867	10.00	12.00	17.00	23.00	31.00
0.05	2.688	0.1811987	0.0092639	0.80	1.20	6.922	2.138	5.00	5.00	7.00	8.00	10.00	2.893	7.251	2.221	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	1.20	4.091	1.025	3.00	3.00	4.00	5.00	5.00	2.893	4.240	1.058	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	1.20	2.836	0.651	2.00	2.00	3.00	3.00	4.00	2.893	2.920	0.652	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	1.20	2.118	0.390	2.00	2.00	2.00	2.00	3.00	2.893	2.173	0.414	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	1.30	22.042	10.064	11.00	15.00	20.00	27.00	36.00	2.893	23.720	10.941	12.00	16.00	21.00	29.00	38.00
0.05	2.688	0.1811987	0.0092639	1.20	1.30	9.894	2.903	7.00	8.00	9.00	12.00	14.00	2.893	10.446	3.004	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	1.30	6.714	1.509	5.00	6.00	7.00	8.00	9.00	2.893	7.021	1.564	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	1.30	5.243	0.986	4.00	5.00	5.00	6.00	6.00	2.893	5.480	1.000	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	1.30	17.766	8.348	9.00	12.00	16.00	22.00	29.00	2.893	18.783	8.688	9.00	13.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	1.30	6.881	2.138	4.00	5.00	7.00	8.00	10.00	2.893	7.225	2.225	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	1.30	4.111	1.032	3.00	3.00	4.00	5.00	5.00	2.893	4.273	1.063	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	1.30	2.838	0.647	2.00	2.00	3.00	3.00	4.00	2.893	2.938	0.653	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	1.30	2.116	0.391	2.00	2.00	2.00	2.00	3.00	2.893	2.174	0.417	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	1.40	21.864	9.996	11.00	15.00	20.00	27.00	35.00	2.893	23.490	10.708	12.00	16.00	21.00	29.00	38.00
0.05	2.688	0.1811987	0.0092639	1.20	1.40	9.892	2.941	7.00	8.00	9.00	12.00	14.00	2.893	10.441	3.060	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	1.40	6.699	1.503	5.00	6.00	7.00	8.00	9.00	2.893	7.002	1.546	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	1.40	5.257	0.990	4.00	5.00	5.00	6.00	6.00	2.893	5.463	1.009	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	1.40	17.669	8.228	9.00	12.00	16.00	22.00	28.00	2.893	18.787	8.628	10.00	13.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	1.40	6.901	2.162	4.00	5.00	7.00	8.00	10.00	2.893	7.212	2.202	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	1.40	4.106	1.031	3.00	3.00	4.00	5.00	5.00	2.893	4.295	1.058	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	1.40	2.822	0.652	2.00	2.00	3.00	3.00	4.00	2.893	2.937	0.661	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	1.40	2.116	0.390	2.00	2.00	2.00	2.00	3.00	2.893	2.172	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	0.90	21.917	10.238	11.00	15.00	20.00	27.00	36.00	2.893	23.714	11.164	12.00	16.00	21.00	29.00	38.00
0.05	2.688	0.1811987	0.0092639	1.20	0.90	9.829	2.860	7.00	8.00	9.00	11.00	14.00	2.893	10.353	3.005	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	0.90	6.679	1.507	5.00	6.00	6.00	8.00	9.00	2.893	6.976	1.524	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	0.90	5.276	1.004	4.00	5.00	5.00	6.00	7.00	2.893	5.485	1.008	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	0.90	17.660	8.282	9.00	12.00	16.00	22.00	28.00	2.893	18.713	8.708	10.00	12.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	0.90	6.922	2.130	5.00	5.00	7.00	8.00	10.00	2.893	7.237	2.209	5.00	6.00	7.00	9.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	0.90	4.113	1.046	3.00	3.00	4.00	5.00	5.00	2.893	4.263	1.047	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	0.90	2.826	0.640	2.00	2.00	3.00	3.00	4.00	2.893	2.933	0.651	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	0.90	2.110	0.385	2.00	2.00	2.00	2.00	3.00	2.893	2.173	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	0.80	21.460	9.807	11.00	15.00	19.00	26.00	34.00	2.893	23.266	10.863	12.00	16.00	21.00	28.00	37.00

MAXEWMA

0.05	2.688	0.1811987	0.0092639	1.20	0.80	9.832	2.891	7.00	8.00	9.00	11.00	14.00	2.893	10.359	2.997	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	0.80	6.687	1.521	5.00	6.00	6.00	8.00	9.00	2.893	6.996	1.545	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	0.80	5.253	0.996	4.00	5.00	5.00	6.00	7.00	2.893	5.474	1.025	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	0.80	17.498	8.030	9.00	12.00	16.00	22.00	28.00	2.893	18.591	8.668	9.00	12.00	17.00	23.00	30.00
0.05	2.688	0.1811987	0.0092639	0.80	0.80	6.946	2.130	5.00	5.00	7.00	8.00	10.00	2.893	7.262	2.245	5.00	6.00	7.00	8.25	10.00
0.05	2.688	0.1811987	0.0092639	0.70	0.80	4.122	1.023	3.00	3.00	4.00	5.00	5.00	2.893	4.285	1.049	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	0.80	2.830	0.640	2.00	2.00	3.00	3.00	4.00	2.893	2.939	0.661	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	0.80	2.116	0.391	2.00	2.00	2.00	2.00	3.00	2.893	2.172	0.414	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	0.70	20.713	9.196	11.00	14.00	19.00	25.00	33.00	2.893	22.183	9.926	12.00	15.00	20.00	27.00	35.00
0.05	2.688	0.1811987	0.0092639	1.20	0.70	9.826	2.899	7.00	8.00	9.00	11.00	14.00	2.893	10.271	3.001	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	0.70	6.684	1.498	5.00	6.00	6.00	8.00	9.00	2.893	6.998	1.572	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	0.70	5.243	0.986	4.00	5.00	5.00	6.00	6.00	2.893	5.482	1.009	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	0.70	16.935	7.566	9.00	12.00	16.00	21.00	27.00	2.893	18.109	8.187	9.00	12.00	16.00	22.00	29.00
0.05	2.688	0.1811987	0.0092639	0.80	0.70	6.930	2.157	4.00	5.00	7.00	8.00	10.00	2.893	7.200	2.210	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	0.70	4.108	1.029	3.00	3.00	4.00	5.00	5.00	2.893	4.291	1.063	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	0.70	2.829	0.649	2.00	2.00	3.00	3.00	4.00	2.893	2.928	0.649	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	0.70	2.118	0.394	2.00	2.00	2.00	2.00	3.00	2.893	2.171	0.409	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	0.60	18.736	7.642	10.00	13.00	17.00	23.00	29.00	2.893	20.167	8.400	11.00	14.00	19.00	25.00	31.00
0.05	2.688	0.1811987	0.0092639	1.20	0.60	9.752	2.813	7.00	8.00	9.00	11.00	13.00	2.893	10.348	2.941	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	0.60	6.692	1.489	5.00	6.00	6.00	8.00	9.00	2.893	6.968	1.531	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	0.60	5.252	0.987	4.00	5.00	5.00	6.00	6.00	2.893	5.495	1.018	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	0.60	15.864	6.722	9.00	11.00	15.00	19.00	25.00	2.893	16.862	7.119	9.00	12.00	16.00	21.00	26.00
0.05	2.688	0.1811987	0.0092639	0.80	0.60	6.919	2.127	4.00	5.00	7.00	8.00	10.00	2.893	7.213	2.208	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	0.60	4.110	1.036	3.00	3.00	4.00	5.00	5.00	2.893	4.264	1.057	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	0.60	2.814	0.639	2.00	2.00	3.00	3.00	4.00	2.893	2.932	0.648	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	0.60	2.114	0.385	2.00	2.00	2.00	2.00	3.00	2.893	2.168	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.688	0.1811987	0.0092639	1.10	0.50	15.641	5.684	9.00	12.00	15.00	19.00	23.00	2.893	16.759	6.141	10.00	12.00	16.00	20.00	25.00
0.05	2.688	0.1811987	0.0092639	1.20	0.50	9.573	2.644	7.00	8.00	9.00	11.00	13.00	2.893	10.130	2.754	7.00	8.00	10.00	12.00	14.00
0.05	2.688	0.1811987	0.0092639	1.30	0.50	6.649	1.473	5.00	6.00	6.00	7.00	9.00	2.893	6.991	1.531	5.00	6.00	7.00	8.00	9.00
0.05	2.688	0.1811987	0.0092639	1.40	0.50	5.261	0.985	4.00	5.00	5.00	6.00	7.00	2.893	5.477	1.007	4.00	5.00	5.00	6.00	7.00
0.05	2.688	0.1811987	0.0092639	0.90	0.50	13.981	5.146	8.00	10.00	13.00	17.00	21.00	2.893	14.938	5.462	9.00	11.00	14.00	18.00	22.00
0.05	2.688	0.1811987	0.0092639	0.80	0.50	6.889	2.112	4.00	5.00	7.00	8.00	10.00	2.893	7.192	2.148	5.00	6.00	7.00	8.00	10.00
0.05	2.688	0.1811987	0.0092639	0.70	0.50	4.116	1.037	3.00	3.00	4.00	5.00	5.00	2.893	4.281	1.060	3.00	4.00	4.00	5.00	6.00
0.05	2.688	0.1811987	0.0092639	0.60	0.50	2.829	0.644	2.00	2.00	3.00	3.00	4.00	2.893	2.917	0.647	2.00	3.00	3.00	3.00	4.00
0.05	2.688	0.1811987	0.0092639	0.50	0.50	2.120	0.386	2.00	2.00	2.00	2.00	3.00	2.893	2.174	0.415	2.00	2.00	2.00	2.00	3.00
0.10	3.016	0.2591350	0.0188482	1.00	1.00	371.343	361.678	46.00	115.00	268.00	518.00	840.00	3.203	499.233	498.621	58.00	144.00	344.50	692.00	1142.10
0.10	3.016	0.2591350	0.0188482	1.10	1.10	23.406	14.421	10.00	13.00	20.00	29.00	42.00	3.203	25.695	16.272	10.00	14.00	21.00	33.00	47.00
0.10	3.016	0.2591350	0.0188482	1.20	1.10	8.682	3.103	5.00	6.00	8.00	10.00	13.00	3.203	9.158	3.352	6.00	7.00	8.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	1.10	5.638	1.546	4.00	5.00	5.00	6.00	8.00	3.203	5.892	1.596	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	1.10	4.348	0.971	3.00	4.00	4.00	5.00	6.00	3.203	4.522	0.993	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	1.10	17.143	10.161	7.00	10.00	15.00	22.00	30.00	3.203	18.371	10.806	8.00	11.00	16.00	23.00	32.00
0.10	3.016	0.2591350	0.0188482	0.80	1.10	5.829	2.152	3.00	4.00	5.00	7.00	9.00	3.203	6.076	2.232	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	1.10	3.379	0.970	2.00	3.00	3.00	4.00	5.00	3.203	3.487	1.005	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	1.10	2.312	0.571	2.00	2.00	2.00	3.00	3.00	3.203	2.387	0.590	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	1.10	1.776	0.465	1.00	2.00	2.00	2.00	2.00	3.203	1.835	0.445	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	1.20	23.462	14.571	9.00	13.00	20.00	29.00	43.00	3.203	25.833	16.280	10.00	14.00	22.00	32.00	47.00
0.10	3.016	0.2591350	0.0188482	1.20	1.20	8.681	3.146	5.00	6.00	8.00	10.00	13.00	3.203	9.211	3.388	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	1.20	5.619	1.527	4.00	5.00	5.00	6.00	8.00	3.203	5.898	1.607	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	1.20	4.336	0.976	3.00	4.00	4.00	5.00	6.00	3.203	4.517	0.998	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	1.20	17.171	10.079	7.00	10.00	15.00	22.00	30.00	3.203	18.095	10.866	7.00	10.00	16.00	23.00	32.00
0.10	3.016	0.2591350	0.0188482	0.80	1.20	5.860	2.169	3.00	4.00	5.00	7.00	9.00	3.203	6.123	2.249	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	1.20	3.359	0.974	2.00	3.00	3.00	4.00	5.00	3.203	3.484	1.007	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	1.20	2.320	0.565	2.00	2.00	2.00	3.00	3.00	3.203	2.381	0.586	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	1.20	1.774	0.468	1.00	2.00	2.00	2.00	2.00	3.203	1.831	0.437	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	1.30	23.469	14.513	10.00	13.00	20.00	30.00	42.00	3.203	25.750	15.970	10.00	15.00	22.00	33.00	46.00
0.10	3.016	0.2591350	0.0188482	1.20	1.30	8.726	3.165	5.00	6.00	8.00	10.00	13.00	3.203	9.249	3.360	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	1.30	5.632	1.533	4.00	5.00	5.00	6.00	8.00	3.203	5.906	1.617	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	1.30	4.334	0.976	3.00	4.00	4.00	5.00	6.00	3.203	4.529	1.010					

0.10	3.016	0.2591350	0.0188482	0.50	1.30	1.776	0.463	1.00	2.00	2.00	2.00	2.00	3.203	1.834	0.443	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	1.40	23.279	14.254	10.00	13.00	20.00	29.00	42.00	3.203	25.895	16.277	10.00	14.00	22.00	33.00	47.00
0.10	3.016	0.2591350	0.0188482	1.20	1.40	8.776	3.282	5.00	6.00	8.00	10.00	13.00	3.203	9.207	3.432	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	1.40	5.645	1.531	4.00	5.00	5.00	6.00	8.00	3.203	5.907	1.594	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	1.40	4.362	0.980	3.00	4.00	4.00	5.00	6.00	3.203	4.509	1.009	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	1.40	16.950	9.852	7.00	10.00	15.00	21.00	30.00	3.203	18.565	11.152	8.00	11.00	16.00	23.00	33.00
0.10	3.016	0.2591350	0.0188482	0.80	1.40	5.840	2.164	3.00	4.00	5.00	7.00	9.00	3.203	6.130	2.247	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	1.40	3.381	0.987	2.00	3.00	3.00	4.00	5.00	3.203	3.474	0.995	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	1.40	2.313	0.564	2.00	2.00	2.00	3.00	3.00	3.203	2.393	0.583	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	1.40	1.776	0.469	1.00	2.00	2.00	2.00	2.00	3.203	1.841	0.443	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	0.90	23.355	14.480	9.00	13.00	20.00	29.00	42.00	3.203	25.155	15.902	10.00	14.00	21.00	32.00	46.00
0.10	3.016	0.2591350	0.0188482	1.20	0.90	8.727	3.188	5.00	6.00	8.00	10.00	13.00	3.203	9.237	3.328	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	0.90	5.651	1.533	4.00	5.00	5.00	7.00	8.00	3.203	5.927	1.591	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	0.90	4.330	0.964	3.00	4.00	4.00	5.00	6.00	3.203	4.517	1.010	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	0.90	16.759	9.798	7.00	10.00	14.00	21.00	30.00	3.203	18.110	10.763	8.00	11.00	15.00	23.00	32.00
0.10	3.016	0.2591350	0.0188482	0.80	0.90	5.836	2.144	3.00	4.00	5.00	7.00	9.00	3.203	6.087	2.233	4.00	4.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	0.90	3.363	0.968	2.00	3.00	3.00	4.00	5.00	3.203	3.492	1.006	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	0.90	2.313	0.558	2.00	2.00	2.00	3.00	3.00	3.203	2.391	0.592	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	0.90	1.778	0.460	1.00	2.00	2.00	2.00	2.00	3.203	1.842	0.433	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	0.80	22.270	13.329	9.00	13.00	19.00	28.00	40.00	3.203	24.691	14.976	10.00	14.00	21.00	31.00	44.00
0.10	3.016	0.2591350	0.0188482	1.20	0.80	8.745	3.201	5.00	6.00	8.00	10.00	13.00	3.203	9.201	3.385	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	0.80	5.654	1.510	4.00	5.00	5.00	7.00	8.00	3.203	5.897	1.573	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	0.80	4.345	0.961	3.00	4.00	4.00	5.00	6.00	3.203	4.527	1.007	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	0.80	16.573	9.641	7.00	10.00	14.00	21.00	29.00	3.203	17.884	10.558	8.00	10.00	15.00	22.00	31.00
0.10	3.016	0.2591350	0.0188482	0.80	0.80	5.866	2.157	4.00	4.00	5.00	7.00	9.00	3.203	6.081	2.223	4.00	4.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	0.80	3.378	0.990	2.00	3.00	3.00	4.00	5.00	3.203	3.499	1.012	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	0.80	2.316	0.575	2.00	2.00	2.00	3.00	3.00	3.203	2.390	0.593	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	0.80	1.778	0.466	1.00	2.00	2.00	2.00	2.00	3.203	1.839	0.441	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	0.70	20.649	11.966	9.00	12.00	18.00	26.00	37.00	3.203	23.040	13.824	10.00	13.00	20.00	29.00	41.00
0.10	3.016	0.2591350	0.0188482	1.20	0.70	8.683	3.123	5.00	6.00	8.00	10.00	13.00	3.203	9.179	3.332	6.00	7.00	9.00	11.00	14.00
0.10	3.016	0.2591350	0.0188482	1.30	0.70	5.641	1.544	4.00	5.00	5.00	6.00	8.00	3.203	5.899	1.616	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	0.70	4.340	0.972	3.00	4.00	4.00	5.00	6.00	3.203	4.531	1.004	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	0.70	15.992	9.069	7.00	10.00	14.00	20.00	28.00	3.203	17.194	9.589	7.00	10.00	15.00	22.00	30.00
0.10	3.016	0.2591350	0.0188482	0.80	0.70	5.831	2.169	3.00	4.00	5.00	7.00	9.00	3.203	6.071	2.219	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	0.70	3.359	0.974	2.00	3.00	3.00	4.00	5.00	3.203	3.502	1.006	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	0.70	2.312	0.574	2.00	2.00	2.00	3.00	3.00	3.203	2.386	0.588	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	0.70	1.784	0.463	1.00	2.00	2.00	2.00	2.00	3.203	1.834	0.442	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	0.60	18.215	9.866	8.00	11.00	16.00	23.00	31.00	3.203	20.077	10.965	9.00	12.00	17.00	25.00	35.00
0.10	3.016	0.2591350	0.0188482	1.20	0.60	8.573	3.037	5.00	6.00	8.00	10.00	13.00	3.203	9.009	3.200	6.00	7.00	8.00	11.00	13.00
0.10	3.016	0.2591350	0.0188482	1.30	0.60	5.651	1.536	4.00	5.00	5.00	6.00	8.00	3.203	5.877	1.585	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	0.60	4.341	0.973	3.00	4.00	4.00	5.00	6.00	3.203	4.530	1.016	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	0.60	14.750	7.750	7.00	9.00	13.00	18.00	25.00	3.203	15.810	8.431	7.00	10.00	14.00	20.00	27.00
0.10	3.016	0.2591350	0.0188482	0.80	0.60	5.835	2.141	3.00	4.00	5.00	7.00	9.00	3.203	6.077	2.183	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	0.60	3.363	0.973	2.00	3.00	3.00	4.00	5.00	3.203	3.493	1.002	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	0.60	2.322	0.574	2.00	2.00	2.00	3.00	3.00	3.203	2.384	0.584	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	0.60	1.778	0.467	1.00	2.00	2.00	2.00	2.00	3.203	1.836	0.439	1.00	2.00	2.00	2.00	2.00
0.10	3.016	0.2591350	0.0188482	1.10	0.50	14.695	6.833	8.00	10.00	13.00	18.00	24.00	3.203	15.903	7.457	8.00	11.00	14.00	19.00	26.00
0.10	3.016	0.2591350	0.0188482	1.20	0.50	8.313	2.761	5.00	6.00	8.00	10.00	12.00	3.203	8.823	2.920	6.00	7.00	8.00	10.00	13.00
0.10	3.016	0.2591350	0.0188482	1.30	0.50	5.634	1.520	4.00	5.00	5.00	6.00	8.00	3.203	5.865	1.550	4.00	5.00	6.00	7.00	8.00
0.10	3.016	0.2591350	0.0188482	1.40	0.50	4.329	0.957	3.00	4.00	4.00	5.00	6.00	3.203	4.518	1.003	3.00	4.00	4.00	5.00	6.00
0.10	3.016	0.2591350	0.0188482	0.90	0.50	12.668	5.885	6.00	8.00	11.00	16.00	20.00	3.203	13.705	6.462	7.00	9.00	12.00	17.00	22.00
0.10	3.016	0.2591350	0.0188482	0.80	0.50	5.808	2.069	3.00	4.00	6.00	7.00	9.00	3.203	6.053	2.137	4.00	5.00	6.00	7.00	9.00
0.10	3.016	0.2591350	0.0188482	0.70	0.50	3.359	0.982	2.00	3.00	3.00	4.00	5.00	3.203	3.487	1.003	2.00	3.00	3.00	4.00	5.00
0.10	3.016	0.2591350	0.0188482	0.60	0.50	2.311	0.566	2.00	2.00	2.00	3.00	3.00	3.203	2.384	0.586	2.00	2.00	2.00	3.00	3.00
0.10	3.016	0.2591350	0.0188482	0.50	0.50	1.777	0.466	1.00	2.00	2.00	2.00	2.00	3.203	1.833	0.448	1.00	2.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.00	1.00	370.240	360.482	43.00	110.00	261.50	512.00	841.00	3.375	500.340	488.797	56.90	146.00	345.00	688.00	1135.10
0.15	3.194	0.3222067	0.0286625	1.10	1.10	27.799	20.123	9.00	14.00	22.00	36.00	54.00	3.375	31.406	23.301	10.00	15.00	25.00	41.00	62.00
0.15	3.194	0.3222067	0.0286625	1.20	1.10	8.554	3.708	5.00	6.00	8.00	10.00	13.00	3.375	9.084	3.959	5.00	6.			

0.15	3.194	0.3222067	0.0286625	0.70	1.10	3.024	0.951	2.00	2.00	3.00	4.00	4.00	3.375	3.140	1.003	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	1.10	2.078	0.554	1.00	2.00	2.00	2.00	3.00	3.375	2.141	0.573	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	1.10	1.536	0.511	1.00	1.00	2.00	2.00	2.00	3.375	1.593	0.512	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	1.20	27.652	20.409	9.00	13.00	22.00	36.00	54.00	3.375	31.673	24.047	10.00	15.00	25.00	41.00	63.00
0.15	3.194	0.3222067	0.0286625	1.20	1.20	8.561	3.681	5.00	6.00	8.00	10.00	13.00	3.375	9.051	3.971	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	1.20	5.224	1.643	3.00	4.00	5.00	6.00	7.00	3.375	5.444	1.724	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	1.20	3.942	0.994	3.00	3.00	4.00	4.00	5.00	3.375	4.098	1.020	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	1.20	17.915	12.257	6.00	9.00	15.00	23.00	34.00	3.375	19.504	13.475	7.00	10.00	16.00	25.00	37.00
0.15	3.194	0.3222067	0.0286625	0.80	1.20	5.447	2.306	3.00	4.00	5.00	7.00	9.00	3.375	5.740	2.415	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	1.20	3.032	0.986	2.00	2.00	3.00	4.00	4.00	3.375	3.139	0.999	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	1.20	2.087	0.557	1.00	2.00	2.00	2.00	3.00	3.375	2.148	0.567	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	1.20	1.532	0.513	1.00	1.00	2.00	2.00	2.00	3.375	1.582	0.511	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	1.30	27.912	20.390	9.00	14.00	22.00	36.00	55.00	3.375	30.973	23.178	10.00	15.00	24.00	40.00	61.00
0.15	3.194	0.3222067	0.0286625	1.20	1.30	8.488	3.645	5.00	6.00	8.00	10.00	13.00	3.375	9.090	3.970	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	1.30	5.228	1.622	3.00	4.00	5.00	6.00	7.00	3.375	5.461	1.666	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	1.30	3.951	1.006	3.00	3.00	4.00	4.00	5.00	3.375	4.103	1.041	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	1.30	18.013	12.294	6.00	9.00	15.00	23.00	34.00	3.375	19.684	13.822	7.00	10.00	16.00	25.00	37.00
0.15	3.194	0.3222067	0.0286625	0.80	1.30	5.448	2.304	3.00	4.00	5.00	7.00	8.00	3.375	5.659	2.370	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	1.30	3.034	0.982	2.00	2.00	3.00	4.00	4.00	3.375	3.133	1.002	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	1.30	2.086	0.553	1.00	2.00	2.00	2.00	3.00	3.375	2.143	0.570	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	1.30	1.528	0.513	1.00	1.00	2.00	2.00	2.00	3.375	1.591	0.510	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	1.40	27.684	20.299	9.00	14.00	22.00	36.00	54.00	3.375	31.292	23.696	10.00	15.00	24.00	41.00	62.00
0.15	3.194	0.3222067	0.0286625	1.20	1.40	8.551	3.768	5.00	6.00	8.00	10.00	14.00	3.375	9.100	3.980	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	1.40	5.247	1.647	3.00	4.00	5.00	6.00	7.00	3.375	5.487	1.716	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	1.40	3.951	1.004	3.00	3.00	4.00	4.00	5.00	3.375	4.105	1.022	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	1.40	17.939	12.148	6.00	9.00	15.00	23.00	34.00	3.375	19.552	13.517	7.00	10.00	16.00	25.00	37.00
0.15	3.194	0.3222067	0.0286625	0.80	1.40	5.437	2.280	3.00	4.00	5.00	7.00	9.00	3.375	5.669	2.390	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	1.40	3.025	0.969	2.00	2.00	3.00	4.00	4.00	3.375	3.147	1.007	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	1.40	2.087	0.564	1.00	2.00	2.00	2.00	3.00	3.375	2.146	0.576	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	1.40	1.527	0.513	1.00	1.00	2.00	2.00	2.00	3.375	1.587	0.511	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	0.90	26.755	19.474	9.00	13.00	21.00	35.00	52.00	3.375	30.258	22.271	9.00	15.00	24.00	39.00	59.00
0.15	3.194	0.3222067	0.0286625	1.20	0.90	8.560	3.694	5.00	6.00	8.00	10.00	13.00	3.375	9.006	3.931	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	0.90	5.241	1.639	3.00	4.00	5.00	6.00	7.00	3.375	5.442	1.708	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	0.90	3.963	0.993	3.00	3.00	4.00	4.00	5.00	3.375	4.096	1.024	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.90	17.649	11.973	6.00	9.00	14.00	23.00	34.00	3.375	19.121	13.096	7.00	10.00	16.00	24.00	36.00
0.15	3.194	0.3222067	0.0286625	0.80	0.90	5.435	2.286	3.00	4.00	5.00	7.00	8.00	3.375	5.670	2.350	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	0.90	3.026	0.965	2.00	2.00	3.00	4.00	4.00	3.375	3.133	1.003	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	0.90	2.095	0.561	1.00	2.00	2.00	2.00	3.00	3.375	2.134	0.559	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	0.90	1.531	0.514	1.00	1.00	2.00	2.00	2.00	3.375	1.581	0.514	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	0.80	25.628	18.361	9.00	13.00	20.00	33.00	49.00	3.375	29.191	21.602	9.00	14.00	23.00	38.00	57.00
0.15	3.194	0.3222067	0.0286625	1.20	0.80	8.514	3.697	5.00	6.00	8.00	10.00	13.00	3.375	9.028	3.910	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	0.80	5.256	1.644	3.00	4.00	5.00	6.00	7.00	3.375	5.490	1.711	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	0.80	3.935	0.982	3.00	3.00	4.00	4.00	5.00	3.375	4.109	1.038	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.80	17.043	11.379	6.00	9.00	14.00	22.00	32.00	3.375	18.855	12.948	7.00	10.00	15.00	24.00	36.00
0.15	3.194	0.3222067	0.0286625	0.80	0.80	5.387	2.248	3.00	4.00	5.00	7.00	8.00	3.375	5.691	2.393	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	0.80	3.018	0.989	2.00	2.00	3.00	4.00	4.00	3.375	3.124	0.992	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	0.80	2.092	0.561	1.00	2.00	2.00	2.00	3.00	3.375	2.146	0.575	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	0.80	1.522	0.511	1.00	1.00	2.00	2.00	2.00	3.375	1.583	0.510	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	0.70	23.779	16.771	8.00	12.00	19.00	30.00	45.00	3.375	26.523	18.946	9.00	13.00	21.00	34.00	51.00
0.15	3.194	0.3222067	0.0286625	1.20	0.70	8.430	3.582	5.00	6.00	8.00	10.00	13.00	3.375	8.970	3.881	5.00	6.00	8.00	11.00	14.00
0.15	3.194	0.3222067	0.0286625	1.30	0.70	5.204	1.595	3.00	4.00	5.00	6.00	7.00	3.375	5.496	1.725	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	0.70	3.925	0.984	3.00	3.00	4.00	4.00	5.00	3.375	4.120	1.030	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.70	16.416	10.648	6.00	9.00	14.00	21.00	30.00	3.375	18.016	11.983	7.00	10.00	15.00	23.00	34.00
0.15	3.194	0.3222067	0.0286625	0.80	0.70	5.392	2.264	3.00	4.00	5.00	7.00	8.00	3.375	5.658	2.365	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	0.70	3.028	0.963	2.00	2.00	3.00	4.00	4.00	3.375	3.121	1.000	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	0.70	2.092	0.570	1.00	2.00	2.00	2.00	3.00	3.375	2.135	0.554	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	0.70	1.531	0.511	1.00	1.00	2.00	2.00	2.00	3.375	1.588	0.511	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	0.60	20.184	13.072	8.00	11.00	17.00	25.00	37.00	3.375	22.698	15.071	8.00	12.00	19.00	29.00	

0.15	3.194	0.3222067	0.0286625	0.80	0.60	5.388	2.198	3.00	4.00	5.00	7.00	8.00	3.375	5.639	2.341	3.00	4.00	5.00	7.00	9.00
0.15	3.194	0.3222067	0.0286625	0.70	0.60	3.020	0.968	2.00	2.00	3.00	4.00	4.00	3.375	3.146	1.001	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	0.60	2.088	0.558	1.00	2.00	2.00	2.00	3.00	3.375	2.137	0.551	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	0.60	1.531	0.514	1.00	1.00	2.00	2.00	2.00	3.375	1.588	0.513	1.00	1.00	2.00	2.00	2.00
0.15	3.194	0.3222067	0.0286625	1.10	0.50	15.563	9.034	7.00	9.00	13.00	19.00	27.00	3.375	17.441	10.288	7.00	10.00	15.00	22.00	31.00
0.15	3.194	0.3222067	0.0286625	1.20	0.50	8.064	3.242	5.00	6.00	7.00	10.00	12.00	3.375	8.570	3.477	5.00	6.00	8.00	10.00	13.00
0.15	3.194	0.3222067	0.0286625	1.30	0.50	5.170	1.584	3.00	4.00	5.00	6.00	7.00	3.375	5.421	1.657	4.00	4.00	5.00	6.00	8.00
0.15	3.194	0.3222067	0.0286625	1.40	0.50	3.940	1.001	3.00	3.00	4.00	4.00	5.00	3.375	4.095	1.021	3.00	3.00	4.00	5.00	5.00
0.15	3.194	0.3222067	0.0286625	0.90	0.50	12.835	7.191	6.00	8.00	11.00	16.00	22.00	3.375	14.202	8.019	6.00	8.00	12.00	18.00	25.00
0.15	3.194	0.3222067	0.0286625	0.80	0.50	5.327	2.135	3.00	4.00	5.00	6.00	8.00	3.375	5.582	2.257	3.00	4.00	5.00	7.00	8.00
0.15	3.194	0.3222067	0.0286625	0.70	0.50	3.022	0.957	2.00	2.00	3.00	4.00	4.00	3.375	3.136	1.014	2.00	2.00	3.00	4.00	4.00
0.15	3.194	0.3222067	0.0286625	0.60	0.50	2.092	0.553	1.00	2.00	2.00	2.00	3.00	3.375	2.144	0.564	2.00	2.00	2.00	2.00	3.00
0.15	3.194	0.3222067	0.0286625	0.50	0.50	1.536	0.513	1.00	1.00	2.00	2.00	2.00	3.375	1.579	0.510	1.00	1.00	2.00	2.00	2.00

$ARL_0 = 370$

$ARL_0 = 500$

Case 2
 $\phi=148$

0.05	2.701	0.1807278	0.0092167	1.00	1.00	370.234	354.010	54.00	120.00	265.00	508.00	838.10	2.897	500.684	482.925	65.00	156.00	355.00	685.25	1136.00
0.05	2.701	0.1807278	0.0092167	1.10	1.10	37.084	21.878	16.00	22.00	31.00	46.00	65.00	2.897	40.881	24.373	17.00	24.00	35.00	52.00	73.00
0.05	2.701	0.1807278	0.0092167	1.20	1.10	15.138	5.623	9.00	11.00	14.00	18.00	22.00	2.897	16.015	5.860	10.00	12.00	15.00	19.00	24.00
0.05	2.701	0.1807278	0.0092167	1.30	1.10	9.860	2.742	7.00	8.00	9.00	11.00	13.00	2.897	10.325	2.797	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	1.10	7.555	1.719	6.00	6.00	7.00	9.00	10.00	2.897	7.884	1.763	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	1.10	27.945	16.365	12.00	16.00	24.00	35.00	49.00	2.897	29.931	17.378	13.00	18.00	26.00	38.00	53.00
0.05	2.701	0.1807278	0.0092167	0.80	1.10	10.171	3.869	6.00	7.00	10.00	12.00	15.00	2.897	10.634	4.027	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	1.10	5.787	1.738	4.00	5.00	6.00	7.00	8.00	2.897	6.043	1.801	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	1.10	3.884	1.037	3.00	3.00	4.00	4.00	5.00	2.897	4.028	1.035	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	1.10	2.800	0.678	2.00	2.00	3.00	3.00	4.00	2.897	2.907	0.692	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	1.20	36.429	21.180	16.00	21.00	31.00	46.00	65.00	2.897	40.000	23.413	17.00	23.00	34.00	50.00	70.00
0.05	2.701	0.1807278	0.0092167	1.20	1.20	14.972	5.522	9.00	11.00	14.00	18.00	22.00	2.897	15.800	5.718	10.00	12.00	15.00	19.00	23.00
0.05	2.701	0.1807278	0.0092167	1.30	1.20	9.863	2.791	7.00	8.00	9.00	11.00	13.00	2.897	10.321	2.812	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	1.20	7.539	1.707	6.00	6.00	7.00	9.00	10.00	2.897	7.915	1.787	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	1.20	27.957	15.951	12.00	17.00	24.00	35.00	49.00	2.897	30.237	17.498	13.00	18.00	26.00	38.00	53.00
0.05	2.701	0.1807278	0.0092167	0.80	1.20	10.188	3.851	6.00	7.00	10.00	12.00	15.00	2.897	10.620	4.017	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	1.20	5.790	1.745	4.00	5.00	6.00	7.00	8.00	2.897	6.022	1.779	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	1.20	3.872	1.008	3.00	3.00	4.00	4.00	5.00	2.897	4.005	1.035	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	1.20	2.797	0.679	2.00	2.00	3.00	3.00	4.00	2.897	2.900	0.689	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	1.30	35.635	19.952	16.00	22.00	31.00	44.00	62.00	2.897	39.569	22.890	17.00	23.00	34.00	50.00	69.10
0.05	2.701	0.1807278	0.0092167	1.20	1.30	14.953	5.468	9.00	11.00	14.00	18.00	22.00	2.897	15.857	5.719	10.00	12.00	15.00	19.00	24.00
0.05	2.701	0.1807278	0.0092167	1.30	1.30	9.826	2.721	7.00	8.00	9.00	11.00	13.00	2.897	10.290	2.857	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	1.30	7.537	1.703	6.00	6.00	7.00	9.00	10.00	2.897	7.885	1.786	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	1.30	27.360	15.396	12.00	17.00	24.00	34.00	47.00	2.897	29.659	16.827	13.00	18.00	26.00	37.00	51.00
0.05	2.701	0.1807278	0.0092167	0.80	1.30	10.134	3.864	6.00	7.00	9.00	12.00	15.00	2.897	10.610	3.980	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	1.30	5.802	1.764	4.00	5.00	6.00	7.00	8.00	2.897	6.014	1.813	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	1.30	3.876	1.021	3.00	3.00	4.00	4.00	5.00	2.897	4.022	1.041	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	1.30	2.804	0.691	2.00	2.00	3.00	3.00	4.00	2.897	2.913	0.696	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	1.40	34.668	18.848	16.00	21.00	30.00	43.00	59.00	2.897	38.225	21.402	17.00	23.00	33.00	47.00	66.00
0.05	2.701	0.1807278	0.0092167	1.20	1.40	15.097	5.456	9.00	11.00	14.00	18.00	22.00	2.897	15.902	5.803	10.00	12.00	15.00	19.00	23.00
0.05	2.701	0.1807278	0.0092167	1.30	1.40	9.770	2.665	7.00	8.00	9.00	11.00	13.00	2.897	10.336	2.856	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	1.40	7.527	1.715	6.00	6.00	7.00	9.00	10.00	2.897	7.892	1.744	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	1.40	26.859	14.739	12.00	16.00	23.00	34.00	46.00	2.897	29.293	16.108	13.00	18.00	26.00	37.00	50.00
0.05	2.701	0.1807278	0.0092167	0.80	1.40	10.112	3.793	6.00	7.00	10.00	12.00	15.00	2.897	10.642	3.999	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	1.40	5.766	1.757	4.00	4.00	6.00	7.00	8.00	2.897	5.985	1.760	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	1.40	3.868	1.028	3.00	3.00	4.00	4.00	5.00	2.897	4.027	1.045	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	1.40	2.813	0.682	2.00	2.00	3.00	3.00	4.00	2.897	2.909	0.698	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	0.90	35.684	20.658	15.00	21.00	31.00	45.00	62.00	2.897	39.807	23.502	17.00	23.00	34.00	50.00	71.00
0.05	2.701	0.1807278	0.0092167	1.20	0.90	15.032	5.452	9.00	11.00	14.00	18.00	22.00	2.897	15.816	5.702	10.00	12.00	15.00	19.00	23.00
0.05	2.701	0.1807278	0.0092167	1.30	0.90	9.810	2.720	7.00	8.00	9.00	11.00	13.00	2.897	10.285	2.849	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	0.90	7.562	1.740	6.00	6.00	7.00	9.00	10.00	2.897	7.893	1.786	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	0.90	27.602	15.729	12.00	16.00	24.00	35.00	49.00	2.897	29.941	17.312	13.00	18.00	26.00	38.00	53.00
0.05	2.701	0.1807278	0.0092167	0.80	0.90	10.179	3.861	6.00	7.00	10.00	12.00	15.00	2.897	10.608	3.994	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	0.90															

0.05	2.701	0.1807278	0.0092167	1.10	0.80	33.555	18.935	15.00	20.00	29.00	42.00	58.00	2.897	37.430	21.574	16.00	22.00	32.00	47.00	66.00
0.05	2.701	0.1807278	0.0092167	1.20	0.80	15.052	5.409	9.00	11.00	14.00	18.00	22.00	2.897	15.833	5.710	10.00	12.00	15.00	19.00	23.00
0.05	2.701	0.1807278	0.0092167	1.30	0.80	9.809	2.678	7.00	8.00	9.00	11.00	13.00	2.897	10.282	2.781	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	0.80	7.513	1.703	6.00	6.00	7.00	8.00	10.00	2.897	7.894	1.778	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	0.80	26.652	15.157	11.00	16.00	23.00	33.00	46.00	2.897	28.572	16.176	12.00	17.00	25.00	36.00	50.00
0.05	2.701	0.1807278	0.0092167	0.80	0.80	10.121	3.813	6.00	7.00	9.00	12.00	15.00	2.897	10.570	3.936	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	0.80	5.812	1.765	4.00	5.00	6.00	7.00	8.00	2.897	6.041	1.815	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	0.80	3.865	1.015	3.00	3.00	4.00	4.00	5.00	2.897	4.036	1.043	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	0.80	2.797	0.676	2.00	2.00	3.00	3.00	4.00	2.897	2.923	0.702	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	0.70	29.589	15.466	14.00	18.00	26.00	37.00	50.00	2.897	32.695	17.646	15.00	20.00	29.00	41.00	56.00
0.05	2.701	0.1807278	0.0092167	1.20	0.70	14.597	5.149	9.00	11.00	14.00	17.00	21.00	2.897	15.591	5.557	10.00	12.00	15.00	18.00	23.00
0.05	2.701	0.1807278	0.0092167	1.30	0.70	9.775	2.729	7.00	8.00	9.00	11.00	13.00	2.897	10.274	2.772	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	0.70	7.513	1.680	6.00	6.00	7.00	8.00	10.00	2.897	7.903	1.772	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	0.70	24.296	12.827	11.00	15.00	22.00	30.00	41.00	2.897	26.186	13.548	12.00	16.00	23.00	33.00	44.00
0.05	2.701	0.1807278	0.0092167	0.80	0.70	10.014	3.804	6.00	7.00	9.00	12.00	15.00	2.897	10.484	3.883	6.00	8.00	10.00	13.00	16.00
0.05	2.701	0.1807278	0.0092167	0.70	0.70	5.798	1.750	4.00	5.00	6.00	7.00	8.00	2.897	6.051	1.786	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	0.70	3.891	1.038	3.00	3.00	4.00	4.00	5.00	2.897	4.045	1.042	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	0.70	2.803	0.684	2.00	2.00	3.00	3.00	4.00	2.897	2.902	0.702	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	0.60	23.963	11.214	12.00	16.00	22.00	29.00	39.00	2.897	25.937	12.128	13.00	17.00	23.00	32.00	42.00
0.05	2.701	0.1807278	0.0092167	1.20	0.60	14.200	4.897	9.00	11.00	13.00	17.00	21.00	2.897	15.092	5.157	9.00	11.00	14.00	18.00	22.00
0.05	2.701	0.1807278	0.0092167	1.30	0.60	9.722	2.645	7.00	8.00	9.00	11.00	13.00	2.897	10.194	2.724	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	0.60	7.544	1.678	6.00	6.00	7.00	9.00	10.00	2.897	7.876	1.757	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	0.60	20.799	9.852	10.00	14.00	19.00	26.00	34.00	2.897	22.530	10.751	11.00	15.00	20.00	28.00	37.00
0.05	2.701	0.1807278	0.0092167	0.80	0.60	9.972	3.665	6.00	7.00	9.00	12.00	15.00	2.897	10.421	3.808	6.00	8.00	10.00	12.00	15.00
0.05	2.701	0.1807278	0.0092167	0.70	0.60	5.791	1.737	4.00	5.00	6.00	7.00	8.00	2.897	6.014	1.783	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	0.60	3.876	1.014	3.00	3.00	4.00	4.00	5.00	2.897	4.032	1.034	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	0.60	2.810	0.685	2.00	2.00	3.00	3.00	4.00	2.897	2.916	0.696	2.00	2.00	3.00	3.00	4.00
0.05	2.701	0.1807278	0.0092167	1.10	0.50	17.756	7.051	10.00	13.00	16.00	21.00	27.00	2.897	19.099	7.626	11.00	14.00	18.00	23.00	29.00
0.05	2.701	0.1807278	0.0092167	1.20	0.50	13.082	4.117	9.00	10.00	12.00	15.00	19.00	2.897	13.921	4.357	9.00	11.00	13.00	16.00	20.00
0.05	2.701	0.1807278	0.0092167	1.30	0.50	9.539	2.461	7.00	8.00	9.00	11.00	13.00	2.897	10.100	2.638	7.00	8.00	10.00	12.00	14.00
0.05	2.701	0.1807278	0.0092167	1.40	0.50	7.473	1.672	6.00	6.00	7.00	8.00	10.00	2.897	7.910	1.764	6.00	7.00	8.00	9.00	10.00
0.05	2.701	0.1807278	0.0092167	0.90	0.50	16.506	6.558	9.00	12.00	15.00	20.00	25.00	2.897	17.609	6.958	10.00	13.00	16.00	21.00	27.00
0.05	2.701	0.1807278	0.0092167	0.80	0.50	9.631	3.270	6.00	7.00	9.00	11.00	14.00	2.897	10.186	3.494	6.00	8.00	10.00	12.00	15.00
0.05	2.701	0.1807278	0.0092167	0.70	0.50	5.768	1.748	4.00	5.00	6.00	7.00	8.00	2.897	5.995	1.783	4.00	5.00	6.00	7.00	8.00
0.05	2.701	0.1807278	0.0092167	0.60	0.50	3.880	1.032	3.00	3.00	4.00	4.00	5.00	2.897	4.017	1.048	3.00	3.00	4.00	5.00	5.00
0.05	2.701	0.1807278	0.0092167	0.50	0.50	2.800	0.678	2.00	2.00	3.00	3.00	4.00	2.897	2.898	0.691	2.00	2.00	3.00	3.00	4.00
0.10	3.026	0.2588440	0.0187933	1.00	1.00	370.575	360.502	44.00	111.00	266.00	514.00	848.00	3.216	500.284	486.196	63.00	154.00	352.00	688.00	1135.10
0.10	3.026	0.2588440	0.0187933	1.10	1.10	45.770	34.613	14.00	21.00	36.00	59.00	91.00	3.216	52.799	40.970	15.00	24.00	41.00	69.00	106.00
0.10	3.026	0.2588440	0.0187933	1.20	1.10	14.435	6.973	7.00	10.00	13.00	18.00	24.00	3.216	15.513	7.461	8.00	10.00	14.00	19.00	25.00
0.10	3.026	0.2588440	0.0187933	1.30	1.10	8.684	3.037	5.00	7.00	8.00	10.00	13.00	3.216	9.125	3.136	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	1.10	6.461	1.817	4.00	5.00	6.00	7.00	9.00	3.216	6.748	1.854	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	1.10	28.909	20.871	10.00	14.00	23.00	37.00	56.00	3.216	32.877	24.126	11.00	16.00	26.00	43.00	64.00
0.10	3.026	0.2588440	0.0187933	0.80	1.10	8.877	4.179	5.00	6.00	8.00	11.00	14.00	3.216	9.391	4.338	5.00	6.00	9.00	11.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	1.10	4.876	1.741	3.00	4.00	5.00	6.00	7.00	3.216	5.045	1.791	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	1.10	3.180	0.961	2.00	3.00	3.00	4.00	4.00	3.216	3.285	1.000	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	1.10	2.304	0.614	2.00	2.00	2.00	3.00	3.00	3.216	2.368	0.616	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	1.20	45.211	33.740	14.00	22.00	35.00	59.00	90.00	3.216	52.488	41.827	16.00	24.00	40.00	68.00	106.00
0.10	3.026	0.2588440	0.0187933	1.20	1.20	14.522	6.906	7.00	10.00	13.00	18.00	24.00	3.216	15.473	7.458	8.00	10.00	14.00	19.00	25.00
0.10	3.026	0.2588440	0.0187933	1.30	1.20	8.673	2.974	5.00	7.00	8.00	10.00	13.00	3.216	9.185	3.168	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	1.20	6.436	1.796	4.00	5.00	6.00	7.00	9.00	3.216	6.761	1.863	5.00	5.00	7.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	1.20	29.263	21.133	10.00	15.00	23.00	38.00	58.00	3.216	32.524	23.942	10.00	16.00	26.00	42.00	64.00
0.10	3.026	0.2588440	0.0187933	0.80	1.20	8.897	4.143	5.00	6.00	8.00	11.00	14.00	3.216	9.403	4.365	5.00	6.00	8.00	11.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	1.20	4.838	1.709	3.00	4.00	5.00	6.00	7.00	3.216	5.021	1.744	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	1.20	3.166	0.958	2.00	3.00	3.00	4.00	4.00	3.216	3.303	0.981	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	1.20	2.307	0.621	2.00	2.00	2.00	3.00	3.00	3.216	2.385	0.633	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	1.30	45.266	33.609	14.00	22.00	36.00	59.00	89.00	3.216	53.046	41.165	16.00	24.00	41.00	69.00	107.00
0.10	3.026	0.2588440	0.0187933	1.20	1.30	14.454	6.878	7.00	10.00	13.00	18.00	24.00	3.216	15.486	7.430	8.00	10.00	14.00	19.00	25.00
0.10	3.026																			

0.10	3.026	0.2588440	0.0187933	0.60	1.30	3.161	0.964	2.00	3.00	3.00	4.00	4.00	3.216	3.303	0.994	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	1.30	2.317	0.623	2.00	2.00	2.00	3.00	3.00	3.216	2.374	0.621	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	1.40	44.604	32.586	14.00	22.00	36.00	57.00	88.00	3.216	51.768	39.660	16.00	24.00	40.00	67.00	103.10
0.10	3.026	0.2588440	0.0187933	1.20	1.40	14.454	6.870	7.00	10.00	13.00	18.00	24.00	3.216	15.535	7.533	8.00	10.00	14.00	19.00	25.00
0.10	3.026	0.2588440	0.0187933	1.30	1.40	8.663	2.949	5.00	7.00	8.00	10.00	13.00	3.216	9.192	3.203	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	1.40	6.422	1.781	4.00	5.00	6.00	7.00	9.00	3.216	6.747	1.897	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	1.40	28.486	20.058	10.00	14.00	23.00	37.00	54.00	3.216	32.524	23.861	10.00	16.00	26.00	42.00	63.00
0.10	3.026	0.2588440	0.0187933	0.80	1.40	8.852	4.137	5.00	6.00	8.00	11.00	14.00	3.216	9.273	4.370	5.00	6.00	8.00	11.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	1.40	4.841	1.722	3.00	4.00	5.00	6.00	7.00	3.216	5.046	1.783	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	1.40	3.177	0.967	2.00	3.00	3.00	4.00	4.00	3.216	3.271	0.975	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	1.40	2.316	0.614	2.00	2.00	2.00	3.00	3.00	3.216	2.371	0.622	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	0.90	42.826	32.491	13.00	20.00	33.00	56.00	85.00	3.216	50.273	38.549	15.00	23.00	39.00	66.00	100.00
0.10	3.026	0.2588440	0.0187933	1.20	0.90	14.332	6.868	7.00	10.00	13.00	17.00	23.00	3.216	15.479	7.416	8.00	10.00	14.00	19.00	25.00
0.10	3.026	0.2588440	0.0187933	1.30	0.90	8.655	3.015	5.00	7.00	8.00	10.00	13.00	3.216	9.204	3.211	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	0.90	6.417	1.789	4.00	5.00	6.00	7.00	9.00	3.216	6.741	1.865	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	0.90	28.504	20.790	9.00	14.00	23.00	36.00	55.00	3.216	31.465	22.802	10.00	15.00	25.00	41.00	61.00
0.10	3.026	0.2588440	0.0187933	0.80	0.90	8.962	4.124	5.00	6.00	8.00	11.00	14.00	3.216	9.368	4.369	5.00	6.00	8.00	12.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	0.90	4.808	1.726	3.00	4.00	5.00	6.00	7.00	3.216	5.034	1.767	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	0.90	3.181	0.957	2.00	3.00	3.00	4.00	4.00	3.216	3.308	0.995	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	0.90	2.317	0.617	2.00	2.00	2.00	3.00	3.00	3.216	2.380	0.633	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	0.80	39.489	28.931	13.00	19.00	31.00	51.00	78.00	3.216	45.129	33.793	14.00	21.00	35.00	59.00	89.00
0.10	3.026	0.2588440	0.0187933	1.20	0.80	14.135	6.628	7.00	9.00	13.00	17.00	23.00	3.216	15.183	7.220	8.00	10.00	14.00	19.00	25.00
0.10	3.026	0.2588440	0.0187933	1.30	0.80	8.695	3.039	5.00	7.00	8.00	10.00	13.00	3.216	9.150	3.128	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	0.80	6.461	1.808	4.00	5.00	6.00	7.00	9.00	3.216	6.697	1.856	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	0.80	26.903	18.680	9.00	14.00	22.00	35.00	51.00	3.216	30.061	21.228	10.00	15.00	24.00	39.00	58.00
0.10	3.026	0.2588440	0.0187933	0.80	0.80	8.851	4.103	5.00	6.00	8.00	11.00	14.00	3.216	9.311	4.265	5.00	6.00	8.00	11.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	0.80	4.804	1.698	3.00	4.00	5.00	6.00	7.00	3.216	5.017	1.805	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	0.80	3.178	0.961	2.00	3.00	3.00	4.00	4.00	3.216	3.292	0.989	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	0.80	2.300	0.607	2.00	2.00	2.00	3.00	3.00	3.216	2.380	0.617	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	0.70	32.699	22.757	11.00	17.00	27.00	42.00	62.00	3.216	37.934	27.380	13.00	19.00	30.00	48.00	73.00
0.10	3.026	0.2588440	0.0187933	1.20	0.70	13.923	6.412	7.00	9.00	13.00	17.00	22.00	3.216	15.042	7.139	8.00	10.00	13.00	18.00	24.00
0.10	3.026	0.2588440	0.0187933	1.30	0.70	8.564	2.906	5.00	6.00	8.00	10.00	12.00	3.216	9.080	3.068	6.00	7.00	9.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	0.70	6.423	1.780	4.00	5.00	6.00	7.00	9.00	3.216	6.732	1.853	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	0.70	24.586	16.234	9.00	13.00	21.00	31.25	45.00	3.216	27.370	18.700	10.00	14.00	22.00	35.00	51.00
0.10	3.026	0.2588440	0.0187933	0.80	0.70	8.838	4.013	5.00	6.00	8.00	11.00	14.00	3.216	9.359	4.301	5.00	6.00	8.00	11.00	15.00
0.10	3.026	0.2588440	0.0187933	0.70	0.70	4.800	1.701	3.00	4.00	5.00	6.00	7.00	3.216	5.033	1.788	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	0.70	3.185	0.966	2.00	3.00	3.00	4.00	4.00	3.216	3.291	0.996	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	0.70	2.310	0.606	2.00	2.00	2.00	3.00	3.00	3.216	2.376	0.622	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	0.60	24.659	15.306	10.00	14.00	21.00	31.00	44.00	3.216	27.859	17.754	11.00	15.00	23.00	35.00	51.00
0.10	3.026	0.2588440	0.0187933	1.20	0.60	13.258	5.809	7.00	9.00	12.00	16.00	21.00	3.216	14.323	6.341	8.00	10.00	13.00	17.00	23.00
0.10	3.026	0.2588440	0.0187933	1.30	0.60	8.571	2.948	5.00	6.00	8.00	10.00	12.00	3.216	9.031	3.059	6.00	7.00	8.00	11.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	0.60	6.426	1.792	4.00	5.00	6.00	7.00	9.00	3.216	6.733	1.853	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	0.60	20.456	12.485	8.00	12.00	17.00	26.00	37.00	3.216	22.376	13.559	9.00	13.00	19.00	28.00	41.00
0.10	3.026	0.2588440	0.0187933	0.80	0.60	8.695	3.854	5.00	6.00	8.00	11.00	14.00	3.216	9.051	4.016	5.00	6.00	8.00	11.00	14.00
0.10	3.026	0.2588440	0.0187933	0.70	0.60	4.840	1.736	3.00	4.00	5.00	6.00	7.00	3.216	5.025	1.764	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	0.60	3.179	0.960	2.00	3.00	3.00	4.00	4.00	3.216	3.310	1.000	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	0.60	2.297	0.605	2.00	2.00	2.00	3.00	3.00	3.216	2.380	0.627	2.00	2.00	2.00	3.00	3.00
0.10	3.026	0.2588440	0.0187933	1.10	0.50	17.465	9.130	8.00	11.00	15.00	22.00	29.00	3.216	18.815	9.983	9.00	12.00	16.00	23.00	32.00
0.10	3.026	0.2588440	0.0187933	1.20	0.50	11.952	4.877	7.00	8.00	11.00	14.00	18.00	3.216	12.846	5.215	7.00	9.00	12.00	15.00	20.00
0.10	3.026	0.2588440	0.0187933	1.30	0.50	8.258	2.648	5.00	6.00	8.00	10.00	12.00	3.216	8.813	2.859	6.00	7.00	8.00	10.00	13.00
0.10	3.026	0.2588440	0.0187933	1.40	0.50	6.366	1.747	4.00	5.00	6.00	7.00	9.00	3.216	6.694	1.832	5.00	5.00	6.00	8.00	9.00
0.10	3.026	0.2588440	0.0187933	0.90	0.50	15.399	7.853	7.00	10.00	14.00	19.00	26.00	3.216	16.867	8.764	8.00	11.00	15.00	21.00	28.00
0.10	3.026	0.2588440	0.0187933	0.80	0.50	8.411	3.546	5.00	6.00	8.00	10.00	13.00	3.216	8.855	3.700	5.00	6.00	8.00	11.00	14.00
0.10	3.026	0.2588440	0.0187933	0.70	0.50	4.815	1.720	3.00	4.00	5.00	6.00	7.00	3.216	5.034	1.773	3.00	4.00	5.00	6.00	7.00
0.10	3.026	0.2588440	0.0187933	0.60	0.50	3.172	0.966	2.00	3.00	3.00	4.00	4.00	3.216	3.305	0.994	2.00	3.00	3.00	4.00	5.00
0.10	3.026	0.2588440	0.0187933	0.50	0.50	2.304	0.606	2.00	2.00	2.00	3.00	3.00	3.216	2.385	0.630	2.00	2.00	2.00	3.00	3.00
0.15	3.219	0.3210252	0.0284260	1.00	1.00	370.785	364.849	45.00	112.00	260.00	511.00	845.00	3.402	503.858	500.278	59.00	149.00	346.00	700.00	1147.10
0.15	3.219	0.3210252	0.0284260	1.10	1.10	61.272	52.282													

0.15	3.219	0.3210252	0.0284260	0.80	1.10	8.549	4.541	4.00	5.00	8.00	11.00	14.00	3.402	9.135	4.904	4.00	6.00	8.00	11.00	16.00
0.15	3.219	0.3210252	0.0284260	0.70	1.10	4.408	1.766	3.00	3.00	4.00	5.00	7.00	3.402	4.634	1.825	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	1.10	2.871	0.950	2.00	2.00	3.00	3.00	4.00	3.402	2.948	0.972	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	1.10	2.076	0.609	1.00	2.00	2.00	2.00	3.00	3.402	2.131	0.605	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	1.20	62.841	54.367	14.00	24.00	47.00	84.00	133.00	3.402	74.967	65.824	16.00	28.00	55.00	101.00	159.00
0.15	3.219	0.3210252	0.0284260	1.20	1.20	15.693	9.186	7.00	9.00	13.00	19.00	27.00	3.402	17.080	10.137	7.00	10.00	14.00	21.00	30.00
0.15	3.219	0.3210252	0.0284260	1.30	1.20	8.561	3.601	5.00	6.00	8.00	10.00	13.00	3.402	9.080	3.815	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	1.20	6.068	1.940	4.00	5.00	6.00	7.00	9.00	3.402	6.395	2.079	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	1.20	32.370	25.949	9.00	14.00	25.00	43.00	65.00	3.402	36.290	29.504	9.00	16.00	28.00	48.00	75.00
0.15	3.219	0.3210252	0.0284260	0.80	1.20	8.571	4.590	4.00	5.00	8.00	11.00	15.00	3.402	9.065	4.768	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	1.20	4.389	1.734	3.00	3.00	4.00	5.00	7.00	3.402	4.604	1.826	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	1.20	2.854	0.943	2.00	2.00	3.00	3.00	4.00	3.402	2.948	0.979	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	1.20	2.070	0.613	1.00	2.00	2.00	2.00	3.00	3.402	2.134	0.607	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	1.30	62.694	53.985	14.00	25.00	46.00	84.00	134.00	3.402	75.402	66.532	16.00	29.00	55.00	101.00	163.00
0.15	3.219	0.3210252	0.0284260	1.20	1.30	15.627	9.113	7.00	9.00	13.00	20.00	28.00	3.402	17.107	10.281	7.00	10.00	14.00	21.00	30.00
0.15	3.219	0.3210252	0.0284260	1.30	1.30	8.567	3.565	5.00	6.00	8.00	10.00	13.00	3.402	9.026	3.790	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	1.30	6.088	1.988	4.00	5.00	6.00	7.00	9.00	3.402	6.379	2.099	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	1.30	32.829	26.430	9.00	14.00	25.00	43.00	68.00	3.402	36.308	29.340	10.00	16.00	28.00	48.00	74.00
0.15	3.219	0.3210252	0.0284260	0.80	1.30	8.531	4.500	4.00	5.00	8.00	11.00	14.00	3.402	9.152	4.948	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	1.30	4.425	1.740	3.00	3.00	4.00	5.00	7.00	3.402	4.605	1.828	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	1.30	2.855	0.947	2.00	2.00	3.00	3.00	4.00	3.402	2.955	0.964	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	1.30	2.064	0.609	1.00	2.00	2.00	2.00	3.00	3.402	2.124	0.619	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	1.40	61.864	52.953	14.00	24.00	46.00	83.25	131.00	3.402	75.839	65.856	16.00	29.00	57.00	102.00	160.00
0.15	3.219	0.3210252	0.0284260	1.20	1.40	15.607	9.051	7.00	9.00	13.00	19.25	27.00	3.402	17.017	10.148	7.00	10.00	14.00	21.00	30.00
0.15	3.219	0.3210252	0.0284260	1.30	1.40	8.543	3.541	5.00	6.00	8.00	10.00	13.00	3.402	9.080	3.813	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	1.40	6.077	1.986	4.00	5.00	6.00	7.00	9.00	3.402	6.375	2.070	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	1.40	33.087	26.821	9.00	14.00	25.00	44.00	68.00	3.402	36.840	29.721	9.00	16.00	28.00	49.00	76.00
0.15	3.219	0.3210252	0.0284260	0.80	1.40	8.557	4.611	4.00	5.00	8.00	11.00	14.00	3.402	9.095	4.809	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	1.40	4.400	1.781	2.00	3.00	4.00	5.00	7.00	3.402	4.615	1.817	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	1.40	2.876	0.963	2.00	2.00	3.00	3.00	4.00	3.402	2.959	0.975	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	1.40	2.068	0.608	1.00	2.00	2.00	2.00	3.00	3.402	2.128	0.610	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	0.90	56.334	47.933	13.00	22.00	42.00	75.00	119.00	3.402	68.695	59.499	15.00	26.75	51.00	92.00	146.00
0.15	3.219	0.3210252	0.0284260	1.20	0.90	15.351	8.907	7.00	9.00	13.00	19.00	27.00	3.402	16.923	10.080	7.00	10.00	14.00	21.00	30.00
0.15	3.219	0.3210252	0.0284260	1.30	0.90	8.428	3.479	5.00	6.00	8.00	10.00	13.00	3.402	9.033	3.764	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	0.90	6.041	1.948	4.00	5.00	6.00	7.00	9.00	3.402	6.354	2.068	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	0.90	31.281	25.002	8.00	14.00	24.00	41.00	63.00	3.402	35.048	28.667	9.00	15.00	26.00	46.00	72.00
0.15	3.219	0.3210252	0.0284260	0.80	0.90	8.536	4.532	4.00	5.00	7.00	11.00	14.00	3.402	9.115	4.871	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	0.90	4.397	1.777	2.00	3.00	4.00	5.00	7.00	3.402	4.585	1.795	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	0.90	2.865	0.960	2.00	2.00	3.00	3.00	4.00	3.402	2.958	0.977	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	0.90	2.064	0.598	1.00	2.00	2.00	2.00	3.00	3.402	2.127	0.613	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	0.80	49.016	41.088	12.00	20.00	36.00	65.00	103.00	3.402	60.421	52.027	14.00	24.00	45.00	81.00	127.00
0.15	3.219	0.3210252	0.0284260	1.20	0.80	15.140	8.574	7.00	9.00	13.00	19.00	26.00	3.402	16.607	9.716	7.00	10.00	14.00	21.00	29.00
0.15	3.219	0.3210252	0.0284260	1.30	0.80	8.490	3.555	5.00	6.00	8.00	10.00	13.00	3.402	9.048	3.788	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	0.80	6.048	1.997	4.00	5.00	6.00	7.00	9.00	3.402	6.350	2.080	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	0.80	29.380	22.793	8.00	13.00	23.00	39.00	59.00	3.402	33.281	26.775	9.00	15.00	25.00	44.00	68.00
0.15	3.219	0.3210252	0.0284260	0.80	0.80	8.500	4.396	4.00	5.00	8.00	11.00	14.00	3.402	8.936	4.732	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	0.80	4.402	1.742	3.00	3.00	4.00	5.00	7.00	3.402	4.576	1.806	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	0.80	2.865	0.941	2.00	2.00	3.00	3.00	4.00	3.402	2.960	0.974	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	0.80	2.068	0.612	1.00	2.00	2.00	2.00	3.00	3.402	2.123	0.613	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	0.70	40.288	32.191	11.00	18.00	31.00	52.00	82.00	3.402	47.458	39.248	12.00	20.00	36.00	63.00	99.00
0.15	3.219	0.3210252	0.0284260	1.20	0.70	14.801	8.295	7.00	9.00	13.00	18.00	26.00	3.402	16.122	9.238	7.00	10.00	14.00	20.00	28.00
0.15	3.219	0.3210252	0.0284260	1.30	0.70	8.393	3.452	5.00	6.00	8.00	10.00	13.00	3.402	8.950	3.630	5.00	6.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	1.40	0.70	6.074	1.964	4.00	5.00	6.00	7.00	9.00	3.402	6.363	2.057	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	0.70	26.262	19.381	8.00	13.00	21.00	34.00	52.00	3.402	29.743	22.866	9.00	14.00	23.00	39.00	59.00
0.15	3.219	0.3210252	0.0284260	0.80	0.70	8.421	4.425	4.00	5.00	7.00	10.00	14.00	3.402	9.027	4.780	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	0.70	4.394	1.722	2.90	3.00	4.00	5.00	7.00	3.402	4.585	1.789	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	0.70	2.861	0.941	2.00	2.00	3.00	3.00	4.00	3.402	2.965	0.975	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	0.70	2.063	0.607	1.00												

0.15	3.219	0.3210252	0.0284260	0.90	0.60	21.668	15.454	7.00	11.00	17.00	28.00	42.00	3.402	24.511	17.402	8.00	12.00	20.00	31.00	47.00
0.15	3.219	0.3210252	0.0284260	0.80	0.60	8.264	4.111	4.00	5.00	7.00	10.00	14.00	3.402	8.804	4.627	4.00	6.00	8.00	11.00	15.00
0.15	3.219	0.3210252	0.0284260	0.70	0.60	4.413	1.733	3.00	3.00	4.00	5.00	7.00	3.402	4.600	1.834	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	0.60	2.866	0.947	2.00	2.00	3.00	3.00	4.00	3.402	2.957	0.974	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	0.60	2.072	0.605	1.00	2.00	2.00	2.00	3.00	3.402	2.131	0.620	1.00	2.00	2.00	2.00	3.00
0.15	3.219	0.3210252	0.0284260	1.10	0.50	19.071	12.220	8.00	11.00	16.00	24.00	35.00	3.402	21.319	13.797	8.00	12.00	18.00	27.00	39.00
0.15	3.219	0.3210252	0.0284260	1.20	0.50	12.313	6.031	6.00	8.00	11.00	15.00	20.00	3.402	13.368	6.806	7.00	9.00	12.00	16.00	22.00
0.15	3.219	0.3210252	0.0284260	1.30	0.50	8.079	3.095	5.00	6.00	7.00	10.00	12.00	3.402	8.576	3.325	5.00	6.00	8.00	10.00	13.00
0.15	3.219	0.3210252	0.0284260	1.40	0.50	6.003	1.931	4.00	5.00	6.00	7.00	8.00	3.402	6.274	1.965	4.00	5.00	6.00	7.00	9.00
0.15	3.219	0.3210252	0.0284260	0.90	0.50	16.201	9.883	7.00	9.00	14.00	20.00	29.00	3.402	17.787	11.119	7.00	10.00	15.00	22.25	32.00
0.15	3.219	0.3210252	0.0284260	0.80	0.50	7.964	3.860	4.00	5.00	7.00	10.00	13.00	3.402	8.440	4.146	4.00	5.00	8.00	11.00	14.00
0.15	3.219	0.3210252	0.0284260	0.70	0.50	4.383	1.721	3.00	3.00	4.00	5.00	7.00	3.402	4.589	1.787	3.00	3.00	4.00	6.00	7.00
0.15	3.219	0.3210252	0.0284260	0.60	0.50	2.859	0.948	2.00	2.00	3.00	3.00	4.00	3.402	2.958	0.964	2.00	2.00	3.00	3.00	4.00
0.15	3.219	0.3210252	0.0284260	0.50	0.50	2.079	0.610	1.00	2.00	2.00	2.00	3.00	3.402	2.143	0.619	1.00	2.00	2.00	2.00	3.00

ARL₀ = 370

ARL₀ = 500

Case 3 $\phi=80$																				
0.05	2.686	0.1809939	0.0093239	1.00	1.00	370.171	358.541	52.00	116.00	259.00	506.00	836.00	2.880	500.023	481.358	67.00	152.00	352.00	687.00	1124.00
0.05	2.686	0.1809939	0.0093239	1.10	1.10	61.870	43.224	22.00	32.00	50.00	79.00	118.00	2.880	70.577	50.589	24.00	35.00	56.00	89.00	134.10
0.05	2.686	0.1809939	0.0093239	1.20	1.10	23.232	10.551	12.00	16.00	21.00	28.00	37.00	2.880	24.816	11.617	13.00	17.00	22.00	30.00	40.00
0.05	2.686	0.1809939	0.0093239	1.30	1.10	14.306	4.905	9.00	11.00	13.00	17.00	21.00	2.880	15.156	5.129	10.00	11.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	1.10	10.786	3.011	7.00	9.00	10.00	12.00	15.00	2.880	11.394	3.151	8.00	9.00	11.00	13.00	16.00
0.05	2.686	0.1809939	0.0093239	0.90	1.10	43.149	29.119	15.00	23.00	36.00	55.00	80.00	2.880	48.349	33.630	16.00	25.00	40.00	62.00	91.00
0.05	2.686	0.1809939	0.0093239	0.80	1.10	14.582	6.635	7.00	10.00	13.00	18.00	23.00	2.880	15.514	7.092	8.00	10.00	14.00	19.00	25.00
0.05	2.686	0.1809939	0.0093239	0.70	1.10	8.090	2.924	5.00	6.00	8.00	10.00	12.00	2.880	8.428	2.969	5.00	6.00	8.00	10.00	12.00
0.05	2.686	0.1809939	0.0093239	0.60	1.10	5.290	1.656	3.00	4.00	5.00	6.00	7.00	2.880	5.488	1.672	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	1.10	3.754	1.048	3.00	3.00	4.00	4.00	5.00	2.880	3.880	1.077	3.00	3.00	4.00	4.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	1.20	59.114	40.479	21.00	31.00	48.00	76.00	111.00	2.880	67.260	47.815	23.00	34.00	54.00	86.00	129.00
0.05	2.686	0.1809939	0.0093239	1.20	1.20	23.152	10.445	12.00	16.00	21.00	28.00	37.00	2.880	24.692	11.255	13.00	17.00	22.00	30.00	39.00
0.05	2.686	0.1809939	0.0093239	1.30	1.20	14.353	4.444	9.00	11.00	13.00	17.00	21.00	2.880	15.255	5.157	10.00	12.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	1.20	10.789	3.013	7.00	9.00	10.00	12.00	15.00	2.880	11.377	3.133	8.00	9.00	11.00	13.00	16.00
0.05	2.686	0.1809939	0.0093239	0.90	1.20	42.615	28.664	15.00	23.00	35.00	55.00	79.00	2.880	46.446	31.567	16.00	24.00	38.00	60.00	88.00
0.05	2.686	0.1809939	0.0093239	0.80	1.20	14.775	6.795	7.00	10.00	13.00	18.00	24.00	2.880	15.448	7.103	8.00	10.00	14.00	19.00	25.00
0.05	2.686	0.1809939	0.0093239	0.70	1.20	8.088	2.934	5.00	6.00	8.00	10.00	12.00	2.880	8.473	3.050	5.00	6.00	8.00	10.00	13.00
0.05	2.686	0.1809939	0.0093239	0.60	1.20	5.241	1.625	3.00	4.00	5.00	6.00	7.00	2.880	5.481	1.666	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	1.20	3.736	1.037	3.00	3.00	4.00	4.00	5.00	2.880	3.868	1.051	3.00	3.00	4.00	4.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	1.30	55.350	36.059	21.00	30.00	46.00	70.25	103.00	2.880	62.828	41.949	23.00	33.00	51.00	81.00	119.00
0.05	2.686	0.1809939	0.0093239	1.20	1.30	22.734	10.147	12.00	16.00	21.00	28.00	36.00	2.880	24.525	11.097	13.00	17.00	22.00	30.00	39.00
0.05	2.686	0.1809939	0.0093239	1.30	1.30	14.393	4.897	9.00	11.00	14.00	17.00	21.00	2.880	15.209	5.125	10.00	12.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	1.30	10.783	2.922	7.00	9.00	10.00	12.00	15.00	2.880	11.350	3.101	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	1.30	40.883	26.206	15.00	22.00	34.00	52.00	75.00	2.880	44.958	29.462	17.00	24.00	37.00	57.00	84.00
0.05	2.686	0.1809939	0.0093239	0.80	1.30	14.586	6.565	7.00	10.00	13.00	18.00	23.00	2.880	15.660	7.094	8.00	11.00	14.00	19.00	25.00
0.05	2.686	0.1809939	0.0093239	0.70	1.30	8.137	2.914	5.00	6.00	8.00	10.00	12.00	2.880	8.480	3.070	5.00	6.00	8.00	10.00	13.00
0.05	2.686	0.1809939	0.0093239	0.60	1.30	5.280	1.641	3.00	4.00	5.00	6.00	7.00	2.880	5.492	1.685	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	1.30	3.763	1.034	3.00	3.00	4.00	4.00	5.00	2.880	3.904	1.066	3.00	3.00	4.00	5.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	1.40	51.186	32.062	21.00	29.00	42.00	65.00	93.00	2.880	57.717	37.101	22.00	31.00	47.00	74.00	107.00
0.05	2.686	0.1809939	0.0093239	1.20	1.40	22.620	10.047	12.00	15.00	21.00	27.00	36.00	2.880	24.283	10.850	13.00	17.00	22.00	29.00	39.00
0.05	2.686	0.1809939	0.0093239	1.30	1.40	14.327	4.825	9.00	11.00	14.00	17.00	21.00	2.880	15.165	5.013	10.00	12.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	1.40	10.794	3.002	7.00	9.00	10.00	12.00	15.00	2.880	11.358	3.078	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	1.40	38.924	24.132	15.00	22.00	33.00	50.00	71.00	2.880	42.938	26.690	17.00	24.00	37.00	54.00	77.00
0.05	2.686	0.1809939	0.0093239	0.80	1.40	14.763	6.697	7.00	10.00	13.00	18.00	24.00	2.880	15.418	6.853	8.00	10.00	14.00	19.00	24.00
0.05	2.686	0.1809939	0.0093239	0.70	1.40	8.123	2.987	5.00	6.00	8.00	10.00	12.00	2.880	8.492	3.050	5.00	6.00	8.00	10.00	12.00
0.05	2.686	0.1809939	0.0093239	0.60	1.40	5.244	1.623	3.00	4.00	5.00	6.00	7.00	2.880	5.522	1.693	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	1.40	3.728	1.047	3.00	3.00	4.00	4.00	5.00	2.880	3.897	1.052	3.00	3.00	4.00	4.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	0.90	57.731	40.053	20.00	30.00	47.00	74.00	110.00	2.880	65.229	46.157	22.00	33.00	53.00	83.00	125.00
0.05	2.686	0.1809939	0.0093239	1.20	0.90	22.731	10.324	12.00	15.00	20.00	28.00	37.00	2.880	24.509	11.166	13.00	16.00	22.00	30.00	39.00
0.05	2.686	0.1809939	0.0093239	1.30	0.90	14.377	4.783	9.00	11.00	14.00	17.00	21.00	2.880	15.200	5.183	10.00	12.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	0.90	10.794	2.963	7.00	9.00	10.00	12.00	15.00	2.880	11.368	3.094	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	0.90	41.449	27.404	15.00	22.00	34.00	53.00	78.00	2.880	46.41						

0.05	2.686	0.1809939	0.0093239	0.50	0.90	3.732	1.039	3.00	3.00	4.00	4.00	5.00	2.880	3.895	1.081	3.00	3.00	4.00	5.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	0.80	50.226	33.434	18.00	27.00	41.00	64.00	93.00	2.880	56.671	38.318	20.00	30.00	46.00	72.00	107.00
0.05	2.686	0.1809939	0.0093239	1.20	0.80	22.366	10.198	12.00	15.00	20.00	27.00	36.00	2.880	24.095	10.728	13.00	16.00	22.00	29.00	38.00
0.05	2.686	0.1809939	0.0093239	1.30	0.80	14.291	4.848	9.00	11.00	13.00	17.00	21.00	2.880	15.153	5.075	10.00	12.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	0.80	10.798	2.971	7.00	9.00	10.00	12.00	15.00	2.880	11.306	3.047	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	0.80	38.870	25.184	14.00	21.00	32.00	49.00	72.00	2.880	42.089	27.924	16.00	22.00	34.00	54.00	78.00
0.05	2.686	0.1809939	0.0093239	0.80	0.80	14.525	6.598	8.00	10.00	13.00	18.00	23.00	2.880	15.460	7.118	8.00	10.00	14.00	19.00	25.00
0.05	2.686	0.1809939	0.0093239	0.70	0.80	8.098	2.916	5.00	6.00	8.00	10.00	12.00	2.880	8.458	3.064	5.00	6.00	8.00	10.00	12.00
0.05	2.686	0.1809939	0.0093239	0.60	0.80	5.277	1.640	3.00	4.00	5.00	6.00	7.00	2.880	5.518	1.714	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	0.80	3.745	1.056	3.00	3.00	4.00	4.00	5.00	2.880	3.885	1.065	3.00	3.00	4.00	5.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	0.70	39.306	23.457	16.00	23.00	34.00	50.00	70.00	2.880	43.320	26.796	18.00	25.00	37.00	54.00	77.00
0.05	2.686	0.1809939	0.0093239	1.20	0.70	21.261	9.170	12.00	15.00	19.00	26.00	34.00	2.880	22.994	9.734	13.00	16.00	21.00	28.00	36.00
0.05	2.686	0.1809939	0.0093239	1.30	0.70	14.168	4.665	9.00	11.00	13.00	17.00	20.00	2.880	14.981	4.980	9.00	11.00	14.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	1.40	0.70	10.736	2.946	7.00	9.00	10.00	12.00	15.00	2.880	11.298	3.071	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	0.70	32.372	19.240	13.00	19.00	28.00	41.00	57.00	2.880	35.431	21.028	14.90	20.00	30.00	45.00	63.00
0.05	2.686	0.1809939	0.0093239	0.80	0.70	14.237	6.339	7.00	10.00	13.00	17.00	23.00	2.880	15.134	6.748	8.00	10.00	14.00	18.00	24.00
0.05	2.686	0.1809939	0.0093239	0.70	0.70	8.046	2.891	5.00	6.00	8.00	10.00	12.00	2.880	8.491	3.015	5.00	6.00	8.00	10.00	13.00
0.05	2.686	0.1809939	0.0093239	0.60	0.70	5.260	1.622	3.00	4.00	5.00	6.00	7.00	2.880	5.495	1.675	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	0.70	3.741	1.048	3.00	3.00	4.00	4.00	5.00	2.880	3.888	1.063	3.00	3.00	4.00	4.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	0.60	27.366	13.979	13.00	17.00	24.00	34.00	46.00	2.880	29.560	15.236	14.00	19.00	26.00	37.00	50.00
0.05	2.686	0.1809939	0.0093239	1.20	0.60	19.195	7.586	11.00	14.00	18.00	23.00	29.00	2.880	20.679	8.296	12.00	15.00	19.00	25.00	32.00
0.05	2.686	0.1809939	0.0093239	1.30	0.60	13.711	4.385	9.00	11.00	13.00	16.00	20.00	2.880	14.540	4.655	9.00	11.00	14.00	17.00	21.00
0.05	2.686	0.1809939	0.0093239	1.40	0.60	10.568	2.840	7.00	9.00	10.00	12.00	14.00	2.880	11.229	3.017	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	0.60	24.443	12.398	12.00	16.00	22.00	30.00	41.00	2.880	26.845	13.819	13.00	17.00	24.00	33.00	45.00
0.05	2.686	0.1809939	0.0093239	0.80	0.60	13.746	5.695	7.00	10.00	13.00	17.00	21.00	2.880	14.488	5.930	8.00	10.00	13.00	18.00	22.00
0.05	2.686	0.1809939	0.0093239	0.70	0.60	8.036	2.868	5.00	6.00	8.00	10.00	12.00	2.880	8.416	2.983	5.00	6.00	8.00	10.00	12.00
0.05	2.686	0.1809939	0.0093239	0.60	0.60	5.263	1.618	3.00	4.00	5.00	6.00	7.00	2.880	5.503	1.689	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	0.60	3.758	1.042	3.00	3.00	4.00	4.00	5.00	2.880	3.886	1.058	3.00	3.00	4.00	4.00	5.00
0.05	2.686	0.1809939	0.0093239	1.10	0.50	18.614	7.872	10.00	13.00	17.00	22.00	29.00	2.880	20.157	8.559	11.00	14.00	18.00	24.00	32.00
0.05	2.686	0.1809939	0.0093239	1.20	0.50	15.941	5.665	10.00	12.00	15.00	19.00	23.00	2.880	17.219	6.279	10.00	13.00	16.00	21.00	25.00
0.05	2.686	0.1809939	0.0093239	1.30	0.50	12.807	3.792	9.00	10.00	12.00	15.00	18.00	2.880	13.615	4.032	9.00	11.00	13.00	16.00	19.00
0.05	2.686	0.1809939	0.0093239	1.40	0.50	10.371	2.680	7.00	8.00	10.00	12.00	14.00	2.880	10.967	2.798	8.00	9.00	11.00	13.00	15.00
0.05	2.686	0.1809939	0.0093239	0.90	0.50	17.735	7.392	10.00	12.00	16.00	21.00	27.00	2.880	19.186	7.918	11.00	13.00	18.00	23.00	30.00
0.05	2.686	0.1809939	0.0093239	0.80	0.50	12.547	4.642	7.00	9.00	12.00	15.00	19.00	2.880	13.250	4.909	8.00	10.00	12.00	16.00	20.00
0.05	2.686	0.1809939	0.0093239	0.70	0.50	7.957	2.742	5.00	6.00	8.00	10.00	12.00	2.880	8.334	2.837	5.00	6.00	8.00	10.00	12.00
0.05	2.686	0.1809939	0.0093239	0.60	0.50	5.262	1.628	3.00	4.00	5.00	6.00	7.00	2.880	5.480	1.638	4.00	4.00	5.00	6.00	8.00
0.05	2.686	0.1809939	0.0093239	0.50	0.50	3.732	1.041	3.00	3.00	4.00	4.00	5.00	2.880	3.888	1.069	3.00	3.00	4.00	4.00	5.00
0.10	3.015	0.2595725	0.0188190	1.00	1.00	370.849	364.131	46.00	114.00	260.00	510.00	851.10	3.204	499.684	497.469	59.00	149.00	349.50	689.25	1147.00
0.10	3.015	0.2595725	0.0188190	1.10	1.10	88.397	75.057	21.00	35.00	65.00	118.00	187.00	3.204	110.044	96.510	23.00	42.00	81.00	148.00	233.00
0.10	3.015	0.2595725	0.0188190	1.20	1.10	25.204	15.363	11.00	14.00	21.00	32.00	45.00	3.204	27.663	17.162	11.00	16.00	23.00	35.00	50.00
0.10	3.015	0.2595725	0.0188190	1.30	1.10	13.717	6.147	7.00	9.00	12.00	17.00	22.00	3.204	14.793	6.574	8.00	10.00	13.00	18.00	23.00
0.10	3.015	0.2595725	0.0188190	1.40	1.10	9.698	3.402	6.00	7.00	9.00	11.00	14.00	3.204	10.283	3.665	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	1.10	48.630	39.163	12.00	21.00	37.00	65.00	101.00	3.204	54.666	45.053	14.00	23.00	41.00	72.00	114.00
0.10	3.015	0.2595725	0.0188190	0.80	1.10	13.635	7.760	6.00	8.00	12.00	17.00	24.00	3.204	14.529	8.256	6.00	9.00	13.00	18.00	25.00
0.10	3.015	0.2595725	0.0188190	0.70	1.10	6.960	3.067	4.00	5.00	6.00	8.00	11.00	3.204	7.230	3.103	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	1.10	4.399	1.610	3.00	3.00	4.00	5.00	7.00	3.204	4.563	1.647	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	1.10	3.054	0.969	2.00	2.00	3.00	4.00	4.00	3.204	3.177	1.004	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	1.20	89.536	77.180	20.00	35.00	66.00	120.00	189.00	3.204	107.948	94.391	23.00	41.00	79.00	144.00	233.00
0.10	3.015	0.2595725	0.0188190	1.20	1.20	24.972	15.302	10.00	14.00	21.00	31.00	45.00	3.204	27.887	17.457	11.00	16.00	23.00	35.00	50.00
0.10	3.015	0.2595725	0.0188190	1.30	1.20	13.737	6.036	7.00	9.00	12.00	17.00	22.00	3.204	14.718	6.512	8.00	10.00	13.00	18.00	23.00
0.10	3.015	0.2595725	0.0188190	1.40	1.20	9.736	3.532	6.00	7.00	9.00	11.00	14.00	3.204	10.358	3.689	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	1.20	47.545	38.722	12.00	20.00	36.00	63.00	98.00	3.204	54.559	44.531	14.00	23.00	42.00	73.00	113.00
0.10	3.015	0.2595725	0.0188190	0.80	1.20	13.569	7.727	6.00	8.00	12.00	17.00	24.00	3.204	14.494	8.175	6.00	9.00	13.00	18.00	25.00
0.10	3.015	0.2595725	0.0188190	0.70	1.20	6.895	2.924	4.00	5.00	6.00	8.00	11.00	3.204	7.249	3.156	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	1.20	4.376	1.606	3.00	3.00	4.00	5.00	6.00	3.204	4.558	1.628	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	1.20	3.056	0.972	2.00	2.00	3.00	4.00	4.00	3.204	3.185	1.007	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190</																	

0.10	3.015	0.2595725	0.0188190	0.70	1.30	6.928	3.028	4.00	5.00	6.00	8.00	11.00	3.204	7.221	3.090	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	1.30	4.362	1.577	3.00	3.00	4.00	5.00	6.00	3.204	4.546	1.638	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	1.30	3.055	0.976	2.00	2.00	3.00	4.00	4.00	3.204	3.157	0.994	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	1.40	79.710	66.871	20.00	33.00	60.00	105.00	165.00	3.204	100.941	86.390	23.00	39.00	75.00	136.00	216.00
0.10	3.015	0.2595725	0.0188190	1.20	1.40	24.773	14.598	10.00	14.00	21.00	31.00	44.00	3.204	27.517	17.265	11.00	15.00	23.00	35.00	50.00
0.10	3.015	0.2595725	0.0188190	1.30	1.40	13.715	6.059	7.00	9.00	12.00	17.00	21.00	3.204	14.742	6.621	8.00	10.00	13.00	18.00	23.00
0.10	3.015	0.2595725	0.0188190	1.40	1.40	9.711	3.425	6.00	7.00	9.00	11.00	14.00	3.204	10.195	3.596	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	1.40	45.794	36.017	12.00	20.00	36.00	60.00	94.00	3.204	53.431	43.392	14.00	23.00	41.00	70.00	109.00
0.10	3.015	0.2595725	0.0188190	0.80	1.40	13.564	7.676	6.00	8.00	12.00	17.00	24.00	3.204	14.577	8.293	6.00	9.00	13.00	18.00	25.00
0.10	3.015	0.2595725	0.0188190	0.70	1.40	6.861	2.965	4.00	5.00	6.00	8.00	11.00	3.204	7.260	3.182	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	1.40	4.372	1.598	3.00	3.00	4.00	5.00	6.00	3.204	4.546	1.605	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	1.40	3.082	0.990	2.00	2.00	3.00	4.00	4.00	3.204	3.182	1.011	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	0.90	77.048	65.305	18.00	31.00	58.00	102.00	163.00	3.204	93.912	81.801	21.00	36.00	69.00	126.00	201.00
0.10	3.015	0.2595725	0.0188190	1.20	0.90	24.526	15.195	10.00	14.00	21.00	31.00	44.00	3.204	27.326	16.776	11.00	15.00	23.00	34.00	50.00
0.10	3.015	0.2595725	0.0188190	1.30	0.90	13.701	6.035	7.00	9.00	12.00	17.00	22.00	3.204	14.614	6.525	8.00	10.00	13.00	18.00	23.00
0.10	3.015	0.2595725	0.0188190	1.40	0.90	9.729	3.408	6.00	7.00	9.00	11.00	14.00	3.204	10.263	3.687	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	0.90	45.227	36.735	12.00	20.00	34.00	60.00	92.00	3.204	50.663	41.443	13.00	22.00	39.00	67.00	104.00
0.10	3.015	0.2595725	0.0188190	0.80	0.90	13.495	7.543	6.00	8.00	12.00	17.00	24.00	3.204	14.389	8.234	6.00	9.00	12.00	18.00	25.00
0.10	3.015	0.2595725	0.0188190	0.70	0.90	6.877	3.041	4.00	5.00	6.00	8.00	11.00	3.204	7.215	3.146	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	0.90	4.349	1.566	3.00	3.00	4.00	5.00	6.00	3.204	4.524	1.618	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	0.90	3.087	0.984	2.00	2.00	3.00	4.00	4.00	3.204	3.179	1.022	2.00	2.00	3.00	4.00	5.00
0.10	3.015	0.2595725	0.0188190	1.10	0.80	63.269	52.048	16.00	27.00	48.00	83.00	130.10	3.204	76.424	64.110	18.00	31.00	57.00	102.00	161.00
0.10	3.015	0.2595725	0.0188190	1.20	0.80	23.499	13.849	10.00	14.00	20.00	29.25	41.00	3.204	26.359	15.913	11.00	15.00	22.00	33.00	47.00
0.10	3.015	0.2595725	0.0188190	1.30	0.80	13.572	6.019	7.00	9.00	12.00	17.00	21.00	3.204	14.511	6.410	8.00	10.00	13.00	18.00	23.00
0.10	3.015	0.2595725	0.0188190	1.40	0.80	9.670	3.408	6.00	7.00	9.00	11.00	14.00	3.204	10.246	3.619	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	0.80	40.230	31.059	12.00	18.00	31.00	53.00	79.10	3.204	45.851	36.874	13.00	20.00	35.00	60.00	93.00
0.10	3.015	0.2595725	0.0188190	0.80	0.80	13.226	7.439	6.00	8.00	12.00	16.00	23.00	3.204	14.172	7.895	6.00	9.00	12.00	18.00	24.00
0.10	3.015	0.2595725	0.0188190	0.70	0.80	6.931	2.996	4.00	5.00	6.00	8.00	11.00	3.204	7.161	3.123	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	0.80	4.372	1.608	3.00	3.00	4.00	5.00	6.00	3.204	4.516	1.622	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	0.80	3.082	0.982	2.00	2.00	3.00	4.00	4.00	3.204	3.198	1.007	2.00	3.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	0.70	45.571	34.595	13.00	21.00	36.00	60.00	91.00	3.204	53.869	42.452	15.00	24.00	42.00	71.00	108.00
0.10	3.015	0.2595725	0.0188190	1.20	0.70	21.888	12.487	10.00	13.00	19.00	27.00	38.00	3.204	24.539	14.473	10.00	14.00	21.00	31.00	43.00
0.10	3.015	0.2595725	0.0188190	1.30	0.70	13.284	5.763	7.00	9.00	12.00	16.00	21.00	3.204	14.251	6.206	8.00	10.00	13.00	17.00	22.00
0.10	3.015	0.2595725	0.0188190	1.40	0.70	9.683	3.375	6.00	7.00	9.00	11.00	14.00	3.204	10.226	3.571	6.00	8.00	10.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	0.70	33.401	24.298	10.00	16.00	27.00	44.00	65.00	3.204	37.558	27.833	11.00	18.00	29.00	49.00	75.00
0.10	3.015	0.2595725	0.0188190	0.80	0.70	12.939	6.965	6.00	8.00	11.00	16.00	22.00	3.204	13.908	7.628	6.00	8.00	12.00	17.00	24.00
0.10	3.015	0.2595725	0.0188190	0.70	0.70	6.931	3.009	4.00	5.00	6.00	8.00	11.00	3.204	7.207	3.018	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	0.70	4.404	1.622	3.00	3.00	4.00	5.00	6.10	3.204	4.539	1.641	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	0.70	3.078	0.995	2.00	2.00	3.00	4.00	4.00	3.204	3.168	1.005	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	0.60	29.355	19.969	11.00	15.00	24.00	37.00	55.00	3.204	33.093	22.427	12.00	17.00	27.00	43.00	63.00
0.10	3.015	0.2595725	0.0188190	1.20	0.60	19.184	10.021	9.00	12.00	17.00	24.00	32.00	3.204	21.104	11.555	10.00	13.00	18.00	26.00	36.00
0.10	3.015	0.2595725	0.0188190	1.30	0.60	12.697	5.226	7.00	9.00	12.00	15.00	19.00	3.204	13.700	5.745	8.00	10.00	13.00	16.00	21.00
0.10	3.015	0.2595725	0.0188190	1.40	0.60	9.454	3.239	6.00	7.00	9.00	11.00	14.00	3.204	10.053	3.463	6.00	8.00	9.00	12.00	15.00
0.10	3.015	0.2595725	0.0188190	0.90	0.60	24.785	16.217	9.00	13.00	21.00	32.00	46.00	3.204	27.698	18.238	10.00	15.00	23.00	35.00	52.00
0.10	3.015	0.2595725	0.0188190	0.80	0.60	12.377	6.486	6.00	8.00	11.00	15.00	21.00	3.204	13.061	6.777	6.00	8.00	12.00	16.00	22.00
0.10	3.015	0.2595725	0.0188190	0.70	0.60	6.835	2.917	4.00	5.00	6.00	8.00	11.00	3.204	7.149	3.030	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	0.60	4.402	1.593	3.00	3.00	4.00	5.00	6.00	3.204	4.542	1.629	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	0.60	3.087	0.999	2.00	2.00	3.00	4.00	4.00	3.204	3.181	1.003	2.00	2.00	3.00	4.00	4.00
0.10	3.015	0.2595725	0.0188190	1.10	0.50	18.493	10.215	8.00	11.00	16.00	23.00	32.00	3.204	20.364	11.121	9.00	12.00	18.00	26.00	35.00
0.10	3.015	0.2595725	0.0188190	1.20	0.50	15.211	7.034	8.00	10.00	14.00	19.00	24.00	3.204	16.596	7.911	8.00	11.00	15.00	20.00	27.00
0.10	3.015	0.2595725	0.0188190	1.30	0.50	11.626	4.439	7.00	8.00	11.00	14.00	17.00	3.204	12.587	4.816	7.00	9.00	12.00	15.00	19.00
0.10	3.015	0.2595725	0.0188190	1.40	0.50	9.155	2.993	6.00	7.00	9.00	11.00	13.00	3.204	9.693	3.202	6.00	7.00	9.00	11.00	14.00
0.10	3.015	0.2595725	0.0188190	0.90	0.50	17.103	9.257	8.00	10.00	15.00	21.00	29.00	3.204	18.606	10.276	8.00	11.00	16.00	23.00	32.00
0.10	3.015	0.2595725	0.0188190	0.80	0.50	11.176	5.222	6.00	7.00	10.00	14.00	18.00	3.204	11.917	5.649	6.00	8.00	11.00	15.00	19.00
0.10	3.015	0.2595725	0.0188190	0.70	0.50	6.677	2.707	4.00	5.00	6.00	8.00	10.00	3.204	7.046	2.852	4.00	5.00	7.00	9.00	11.00
0.10	3.015	0.2595725	0.0188190	0.60	0.50	4.373	1.572	3.00	3.00	4.00	5.00	6.00	3.204	4.540	1.618	3.00	3.00	4.00	5.00	7.00
0.10	3.015	0.2595725	0.0188190	0.50	0.50	3.076	0.980	2.00	2.00	3.00	4.00	4.00	3.204	3.178	1.008	2.00	2.00	3.		

0.15	3.209	0.3224310	0.0286744	0.90	1.10	54.046	46.992	11.00	20.00	40.00	73.00	116.00	3.387	62.871	56.983	12.00	23.00	45.00	84.00	136.00
0.15	3.209	0.3224310	0.0286744	0.80	1.10	13.772	8.907	5.00	7.00	12.00	18.00	25.00	3.387	14.603	9.604	5.00	8.00	12.00	19.00	27.00
0.15	3.209	0.3224310	0.0286744	0.70	1.10	6.468	3.201	3.00	4.00	6.00	8.00	11.00	3.387	6.811	3.407	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	1.10	3.980	1.597	2.00	3.00	4.00	5.00	6.00	3.387	4.148	1.662	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	1.10	2.769	0.964	2.00	2.00	3.00	3.00	4.00	3.387	2.845	0.986	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	1.20	138.764	130.264	23.00	46.00	98.00	189.00	313.00	3.387	179.279	168.543	28.00	59.00	127.00	248.00	396.00
0.15	3.209	0.3224310	0.0286744	1.20	1.20	31.809	23.395	10.00	15.00	25.00	41.00	63.00	3.387	36.415	27.245	11.00	17.00	28.00	47.00	73.00
0.15	3.209	0.3224310	0.0286744	1.30	1.20	14.917	8.356	7.00	9.00	13.00	18.00	26.00	3.387	16.461	9.436	7.00	10.00	14.00	20.00	29.00
0.15	3.209	0.3224310	0.0286744	1.40	1.20	9.852	4.243	5.00	7.00	9.00	12.00	15.00	3.387	10.483	4.529	6.00	7.00	10.00	13.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	1.20	55.503	48.720	11.00	21.00	41.00	74.00	121.00	3.387	65.031	58.138	13.00	24.00	48.00	87.00	140.00
0.15	3.209	0.3224310	0.0286744	0.80	1.20	13.698	8.997	5.00	7.00	11.00	17.00	26.00	3.387	14.797	9.758	5.00	8.00	12.00	19.00	28.00
0.15	3.209	0.3224310	0.0286744	0.70	1.20	6.536	3.123	3.00	4.00	6.00	8.00	11.00	3.387	6.857	3.317	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	1.20	3.998	1.618	2.00	3.00	4.00	5.00	6.00	3.387	4.153	1.644	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	1.20	2.766	0.971	2.00	2.00	3.00	3.00	4.00	3.387	2.848	0.996	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	1.30	140.045	130.061	23.00	47.00	99.00	193.00	312.00	3.387	182.383	172.658	28.00	58.00	130.00	250.00	404.00
0.15	3.209	0.3224310	0.0286744	1.20	1.30	31.592	22.910	10.00	15.00	25.00	41.00	62.00	3.387	36.410	27.751	11.00	17.00	29.00	47.00	72.00
0.15	3.209	0.3224310	0.0286744	1.30	1.30	14.976	8.261	7.00	9.00	13.00	19.00	26.00	3.387	16.310	9.158	7.00	10.00	14.00	20.00	28.00
0.15	3.209	0.3224310	0.0286744	1.40	1.30	9.853	4.178	6.00	7.00	9.00	12.00	15.00	3.387	10.498	4.666	6.00	7.00	9.00	13.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	1.30	55.513	49.498	11.00	21.00	41.00	74.00	120.00	3.387	64.069	57.275	12.00	23.00	47.00	87.00	138.00
0.15	3.209	0.3224310	0.0286744	0.80	1.30	13.636	8.900	5.00	7.00	11.00	17.00	25.00	3.387	14.686	9.567	5.00	8.00	12.00	19.00	27.00
0.15	3.209	0.3224310	0.0286744	0.70	1.30	6.506	3.196	3.00	4.00	6.00	8.00	11.00	3.387	6.872	3.327	3.00	4.00	6.00	9.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	1.30	4.021	1.633	2.00	3.00	4.00	5.00	6.00	3.387	4.147	1.666	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	1.30	2.788	0.984	2.00	2.00	3.00	3.00	4.00	3.387	2.868	0.979	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	1.40	143.567	136.260	23.00	47.00	102.00	195.00	319.00	3.387	184.311	173.504	29.00	61.00	132.00	251.00	413.00
0.15	3.209	0.3224310	0.0286744	1.20	1.40	31.444	22.854	10.00	15.00	25.00	41.00	61.00	3.387	36.609	27.568	11.00	17.00	29.00	47.00	74.00
0.15	3.209	0.3224310	0.0286744	1.30	1.40	15.081	8.453	7.00	9.00	13.00	19.00	26.00	3.387	16.381	9.137	7.00	10.00	14.00	20.00	28.00
0.15	3.209	0.3224310	0.0286744	1.40	1.40	9.817	4.205	5.00	7.00	9.00	12.00	15.00	3.387	10.572	4.637	6.00	7.00	10.00	13.00	17.00
0.15	3.209	0.3224310	0.0286744	0.90	1.40	55.922	50.180	12.00	21.00	41.00	74.00	119.00	3.387	64.406	57.234	13.00	24.00	47.00	86.00	139.00
0.15	3.209	0.3224310	0.0286744	0.80	1.40	13.795	8.905	5.00	7.00	11.00	18.00	26.00	3.387	14.722	9.581	5.00	8.00	12.00	19.00	27.00
0.15	3.209	0.3224310	0.0286744	0.70	1.40	6.573	3.236	3.00	4.00	6.00	8.00	11.00	3.387	6.807	3.355	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	1.40	3.995	1.599	2.00	3.00	4.00	5.00	6.00	3.387	4.148	1.658	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	1.40	2.780	0.971	2.00	2.00	3.00	3.00	4.00	3.387	2.858	0.987	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	0.90	107.390	99.300	19.00	37.75	78.00	143.00	234.00	3.387	135.513	125.102	22.00	45.00	97.00	185.00	301.10
0.15	3.209	0.3224310	0.0286744	1.20	0.90	30.086	22.352	10.00	15.00	24.00	39.00	58.00	3.387	34.786	26.232	11.00	16.00	27.00	45.00	69.00
0.15	3.209	0.3224310	0.0286744	1.30	0.90	14.926	8.212	7.00	9.00	13.00	18.00	26.00	3.387	16.282	9.095	7.00	10.00	14.00	20.00	28.00
0.15	3.209	0.3224310	0.0286744	1.40	0.90	9.803	4.176	6.00	7.00	9.00	12.00	15.00	3.387	10.426	4.491	6.00	7.00	9.00	12.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	0.90	50.229	43.233	11.00	19.00	37.00	68.00	108.00	3.387	57.827	51.516	12.00	22.00	43.00	77.00	123.00
0.15	3.209	0.3224310	0.0286744	0.80	0.90	13.494	8.690	5.00	7.00	11.00	17.00	25.00	3.387	14.525	9.442	5.00	8.00	12.00	19.00	26.00
0.15	3.209	0.3224310	0.0286744	0.70	0.90	6.510	3.170	3.00	4.00	6.00	8.00	11.00	3.387	6.845	3.327	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	0.90	3.994	1.618	2.00	3.00	4.00	5.00	6.00	3.387	4.117	1.646	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	0.90	2.755	0.968	2.00	2.00	3.00	3.00	4.00	3.387	2.869	0.987	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	0.80	83.488	74.270	16.00	31.00	61.00	113.00	179.00	3.387	104.233	96.036	19.00	36.00	75.00	142.00	230.10
0.15	3.209	0.3224310	0.0286744	1.20	0.80	28.763	21.010	9.00	14.00	23.00	37.00	56.00	3.387	33.356	24.431	11.00	16.00	26.00	44.00	65.00
0.15	3.209	0.3224310	0.0286744	1.30	0.80	14.703	7.955	7.00	9.00	13.00	18.00	25.00	3.387	16.094	9.012	7.00	10.00	14.00	20.00	28.00
0.15	3.209	0.3224310	0.0286744	1.40	0.80	9.747	4.190	5.00	7.00	9.00	12.00	15.00	3.387	10.424	4.491	6.00	7.00	9.00	12.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	0.80	45.765	39.358	10.00	18.00	34.00	61.00	96.10	3.387	52.352	45.963	11.00	20.00	39.00	70.00	113.00
0.15	3.209	0.3224310	0.0286744	0.80	0.80	13.308	8.524	5.00	7.00	11.00	17.00	24.00	3.387	14.482	9.289	6.00	8.00	12.00	18.00	26.00
0.15	3.209	0.3224310	0.0286744	0.70	0.80	6.497	3.175	3.00	4.00	6.00	8.00	11.00	3.387	6.781	3.295	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	0.80	4.017	1.632	2.00	3.00	4.00	5.00	6.00	3.387	4.147	1.654	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	0.80	2.766	0.963	2.00	2.00	3.00	3.00	4.00	3.387	2.851	0.983	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	0.70	57.029	49.871	13.00	22.00	42.00	75.00	121.00	3.387	70.431	61.253	16.00	28.00	52.00	95.00	148.00
0.15	3.209	0.3224310	0.0286744	1.20	0.70	26.223	18.307	9.00	13.00	21.00	34.00	50.00	3.387	29.878	21.318	10.00	15.00	24.00	38.00	57.00
0.15	3.209	0.3224310	0.0286744	1.30	0.70	14.329	7.660	7.00	9.00	12.00	18.00	24.00	3.387	15.456	8.475	7.00	9.00	13.00	19.00	27.00
0.15	3.209	0.3224310	0.0286744	1.40	0.70	9.668	4.137	5.00	7.00	9.00	12.00	15.00	3.387	10.359	4.508	6.00	7.00	9.00	12.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	0.70	37.546	31.183	10.00	16.00	28.00	49.00	78.00	3.387	43.112	36.011	10.00	18.00	33.00	57.00	91.00
0.15	3.209	0.3224310	0.0286744	0.80	0.70	12.951	8.128	5.00	7.00	11.00	16.00	23.00	3.387	14.061	8.871	5.00	8.00	12.00	18.00	26.00
0.15	3.209	0.3224310	0.0286744	0.70	0.70	6.486	3.152	3.00	4.00	6.00										

0.15	3.209	0.3224310	0.0286744	1.40	0.60	9.461	3.960	5.00	7.00	9.00	11.00	15.00	3.387	10.040	4.239	6.00	7.00	9.00	12.00	16.00
0.15	3.209	0.3224310	0.0286744	0.90	0.60	27.556	20.848	8.00	13.00	22.00	36.00	55.00	3.387	31.003	23.140	9.00	15.00	25.00	41.00	61.00
0.15	3.209	0.3224310	0.0286744	0.80	0.60	12.213	7.224	5.00	7.00	10.00	15.00	22.00	3.387	13.317	8.123	5.00	8.00	11.00	17.00	24.00
0.15	3.209	0.3224310	0.0286744	0.70	0.60	6.449	3.096	3.00	4.00	6.00	8.00	10.00	3.387	6.684	3.191	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	0.60	3.978	1.586	2.00	3.00	4.00	5.00	6.00	3.387	4.129	1.663	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	0.60	2.760	0.946	2.00	2.00	3.00	3.00	4.00	3.387	2.825	0.966	2.00	2.00	3.00	3.00	4.00
0.15	3.209	0.3224310	0.0286744	1.10	0.50	20.882	14.055	8.00	11.00	17.00	27.00	39.00	3.387	23.273	15.800	8.00	12.00	19.00	30.00	44.00
0.15	3.209	0.3224310	0.0286744	1.20	0.50	16.496	9.534	7.00	10.00	14.00	21.00	29.00	3.387	18.488	10.769	8.00	11.00	16.00	23.00	33.00
0.15	3.209	0.3224310	0.0286744	1.30	0.50	12.005	5.786	6.00	8.00	11.00	15.00	20.00	3.387	13.092	6.432	7.00	9.00	12.00	16.00	21.00
0.15	3.209	0.3224310	0.0286744	1.40	0.50	8.982	3.461	5.00	6.00	8.00	11.00	14.00	3.387	9.641	3.864	6.00	7.00	9.00	12.00	15.00
0.15	3.209	0.3224310	0.0286744	0.90	0.50	18.487	11.771	7.00	10.00	15.00	23.00	34.00	3.387	20.232	13.374	8.00	11.00	17.00	26.00	37.00
0.15	3.209	0.3224310	0.0286744	0.80	0.50	10.894	5.853	5.00	7.00	10.00	14.00	18.00	3.387	11.837	6.592	5.00	7.00	10.00	15.00	20.00
0.15	3.209	0.3224310	0.0286744	0.70	0.50	6.285	2.896	3.00	4.00	6.00	8.00	10.00	3.387	6.616	3.040	3.00	4.00	6.00	8.00	11.00
0.15	3.209	0.3224310	0.0286744	0.60	0.50	3.969	1.588	2.00	3.00	4.00	5.00	6.00	3.387	4.156	1.654	2.00	3.00	4.00	5.00	6.00
0.15	3.209	0.3224310	0.0286744	0.50	0.50	2.786	0.974	2.00	2.00	3.00	3.00	4.00	3.387	2.840	0.986	2.00	2.00	3.00	3.00	4.00

$ARL_0 = 370$

$ARL_0 = 500$

Case 4																				
$\phi=31$																				
0.05	2.709	0.1808844	0.0091702	1.00	1.00	370.569	357.996	51.00	117.00	262.00	512.25	835.00	2.910	500.684	492.713	65.00	153.00	349.00	686.00	1133.10
0.05	2.709	0.1808844	0.0091702	1.10	1.10	133.912	112.128	32.00	54.00	100.00	178.00	282.00	2.910	169.453	145.681	38.00	67.00	125.00	227.00	358.00
0.05	2.709	0.1808844	0.0091702	1.20	1.10	49.139	30.929	20.00	27.00	41.00	62.00	89.00	2.910	54.857	35.364	21.00	30.00	45.00	69.00	101.00
0.05	2.709	0.1808844	0.0091702	1.30	1.10	28.164	13.493	14.00	19.00	25.00	34.00	46.00	2.910	30.488	14.780	16.00	20.00	27.00	37.00	50.00
0.05	2.709	0.1808844	0.0091702	1.40	1.10	20.036	7.726	12.00	15.00	18.00	24.00	30.00	2.910	21.581	8.346	13.00	16.00	20.00	26.00	32.00
0.05	2.709	0.1808844	0.0091702	0.90	1.10	81.149	65.299	21.00	35.00	63.00	107.00	166.00	2.910	96.007	77.141	24.00	41.00	73.00	128.00	198.00
0.05	2.709	0.1808844	0.0091702	0.80	1.10	27.180	16.633	11.00	16.00	23.00	35.00	48.00	2.910	29.191	17.540	12.00	17.00	25.00	37.00	52.00
0.05	2.709	0.1808844	0.0091702	0.70	1.10	14.040	6.775	7.00	9.00	13.00	17.00	23.00	2.910	14.832	7.093	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	1.10	8.795	3.574	5.00	6.00	8.00	11.00	14.00	2.910	9.119	3.643	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	1.10	6.008	2.172	4.00	4.00	6.00	7.00	9.00	2.910	6.232	2.207	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	1.20	118.610	95.393	31.00	51.00	90.00	155.00	245.00	2.910	147.517	121.135	37.00	61.00	112.00	197.00	304.00
0.05	2.709	0.1808844	0.0091702	1.20	1.20	47.955	29.128	19.00	27.00	41.00	60.00	87.00	2.910	53.971	33.554	21.00	30.00	45.00	69.00	98.00
0.05	2.709	0.1808844	0.0091702	1.30	1.20	27.819	13.101	14.00	19.00	25.00	34.00	45.00	2.910	30.479	14.314	16.00	20.00	27.00	37.00	49.00
0.05	2.709	0.1808844	0.0091702	1.40	1.20	20.011	7.720	12.00	14.00	18.00	24.00	30.00	2.910	21.358	8.311	13.00	15.00	20.00	25.00	32.00
0.05	2.709	0.1808844	0.0091702	0.90	1.20	75.415	58.275	21.00	34.00	59.00	99.00	151.00	2.910	88.184	69.642	23.00	39.00	68.00	117.00	179.00
0.05	2.709	0.1808844	0.0091702	0.80	1.20	26.818	15.834	11.00	15.00	23.00	34.00	47.00	2.910	29.076	17.056	12.00	17.00	25.00	37.00	51.00
0.05	2.709	0.1808844	0.0091702	0.70	1.20	14.049	6.661	7.00	9.00	13.00	17.00	23.00	2.910	14.754	6.971	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	1.20	8.747	3.561	5.00	6.00	8.00	11.00	13.00	2.910	9.124	3.736	5.00	6.00	8.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	1.20	5.947	2.148	4.00	4.00	6.00	7.00	9.00	2.910	6.281	2.260	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	1.30	97.760	76.017	29.00	45.00	76.00	127.00	192.00	2.910	118.875	92.800	34.00	53.00	92.00	155.00	243.00
0.05	2.709	0.1808844	0.0091702	1.20	1.30	45.703	27.517	19.00	26.00	39.00	57.00	81.00	2.910	51.104	31.232	21.00	29.00	43.00	64.00	92.00
0.05	2.709	0.1808844	0.0091702	1.30	1.30	27.589	12.806	14.00	18.00	25.00	33.25	44.00	2.910	30.184	14.057	16.00	20.00	27.00	37.00	49.00
0.05	2.709	0.1808844	0.0091702	1.40	1.30	19.866	7.482	12.00	14.00	18.00	24.00	30.00	2.910	21.318	8.184	13.00	15.00	20.00	26.00	32.00
0.05	2.709	0.1808844	0.0091702	0.90	1.30	67.502	50.807	20.00	32.00	54.00	88.00	133.00	2.910	79.469	60.200	23.00	37.00	63.00	104.00	158.00
0.05	2.709	0.1808844	0.0091702	0.80	1.30	26.755	15.564	11.00	16.00	23.00	34.00	47.00	2.910	28.517	16.734	12.00	17.00	25.00	36.00	51.00
0.05	2.709	0.1808844	0.0091702	0.70	1.30	14.051	6.681	7.00	9.00	13.00	17.00	23.00	2.910	14.754	6.952	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	1.30	8.737	3.567	5.00	6.00	8.00	11.00	13.00	2.910	9.117	3.659	5.00	6.00	8.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	1.30	6.033	2.171	4.00	4.00	6.00	7.00	9.00	2.910	6.214	2.207	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	1.40	78.605	56.638	26.00	39.00	62.00	101.00	150.00	2.910	95.766	72.387	30.00	45.00	75.00	124.00	188.00
0.05	2.709	0.1808844	0.0091702	1.20	1.40	43.368	24.541	19.00	26.00	37.00	55.00	76.00	2.910	49.033	28.509	21.00	29.00	42.00	62.00	86.00
0.05	2.709	0.1808844	0.0091702	1.30	1.40	27.401	12.494	14.00	18.00	25.00	33.00	44.00	2.910	29.495	13.267	16.00	20.00	27.00	36.00	47.00
0.05	2.709	0.1808844	0.0091702	1.40	1.40	19.890	7.449	12.00	15.00	18.00	24.00	30.00	2.910	21.350	8.181	13.00	16.00	20.00	25.25	32.00
0.05	2.709	0.1808844	0.0091702	0.90	1.40	59.241	41.177	20.00	30.00	48.00	77.00	113.00	2.910	69.958	50.248	22.00	34.00	56.00	91.00	136.00
0.05	2.709	0.1808844	0.0091702	0.80	1.40	26.204	15.021	11.00	16.00	23.00	33.00	46.00	2.910	28.105	16.020	12.00	16.75	24.50	36.00	49.00
0.05	2.709	0.1808844	0.0091702	0.70	1.40	14.062	6.647	7.00	9.00	13.00	17.00	23.00	2.910	14.736	6.951	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	1.40	8.752	3.601	5.00	6.00	8.00	11.00	13.00	2.910	9.184	3.670	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	1.40	5.985	2.176	4.00	4.00	6.00	7.00	9.00	2.910	6.268	2.257	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	0.90	115.133	94.266	29.00	48.00	88.00	152.00	239.00	2.910	137.715	115.023	33.00	56.00	104.00	182.25	288.00
0.05	2.709	0.1808844	0.0091702	1.20	0.90	46.919	29.702	19.00	26.00	39.00	59.00	85.00	2.910	52.998	34.010	21.00	29.00	44.00	67.00	98.00
0.05	2.709	0.1808844	0.0091702	1.30	0.90															

0.05	2.709	0.1808844	0.0091702	0.60	0.90	8.715	3.517	5.00	6.00	8.00	11.00	13.00	2.910	9.253	3.691	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	0.90	5.964	2.181	4.00	4.00	6.00	7.00	9.00	2.910	6.230	2.196	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	0.80	80.228	62.404	23.00	36.00	62.00	106.00	162.00	2.910	95.558	75.799	27.00	43.00	74.00	124.00	192.00
0.05	2.709	0.1808844	0.0091702	1.20	0.80	42.631	25.395	17.00	25.00	36.00	54.00	75.00	2.910	47.624	28.710	20.00	27.00	40.00	60.00	85.00
0.05	2.709	0.1808844	0.0091702	1.30	0.80	26.699	12.267	14.00	18.00	24.00	33.00	43.00	2.910	29.259	13.978	15.00	19.00	26.00	36.00	47.00
0.05	2.709	0.1808844	0.0091702	1.40	0.80	19.721	7.635	12.00	14.00	18.00	24.00	30.00	2.910	21.071	8.043	13.00	15.00	19.00	25.00	32.00
0.05	2.709	0.1808844	0.0091702	0.90	0.80	60.149	45.814	18.00	28.00	47.00	78.00	120.00	2.910	67.626	51.036	21.00	32.00	53.00	88.00	134.00
0.05	2.709	0.1808844	0.0091702	0.80	0.80	25.540	14.831	11.00	15.00	22.00	32.00	45.00	2.910	27.719	16.203	11.00	16.00	24.00	35.00	48.00
0.05	2.709	0.1808844	0.0091702	0.70	0.80	13.718	6.371	7.00	9.00	12.00	17.00	22.00	2.910	14.642	6.953	7.00	10.00	13.00	18.00	24.00
0.05	2.709	0.1808844	0.0091702	0.60	0.80	8.773	3.556	5.00	6.00	8.00	11.00	14.00	2.910	9.126	3.644	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	0.80	5.987	2.157	4.00	4.00	6.00	7.00	9.00	2.910	6.245	2.213	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	0.70	49.507	33.110	18.00	26.00	41.00	63.00	92.00	2.910	56.447	39.159	19.00	29.00	46.00	71.00	108.00
0.05	2.709	0.1808844	0.0091702	1.20	0.70	35.235	19.410	16.00	21.00	31.00	44.00	61.00	2.910	38.735	21.389	17.00	24.00	34.00	49.00	67.00
0.05	2.709	0.1808844	0.0091702	1.30	0.70	24.974	11.139	13.00	17.00	23.00	30.00	40.00	2.910	27.117	12.157	14.00	18.00	25.00	33.00	43.00
0.05	2.709	0.1808844	0.0091702	1.40	0.70	19.032	7.030	11.00	14.00	18.00	23.00	28.00	2.910	20.396	7.643	12.00	15.00	19.00	24.00	30.00
0.05	2.709	0.1808844	0.0091702	0.90	0.70	42.556	27.885	16.00	23.00	35.00	55.00	79.00	2.910	47.375	31.971	17.00	25.00	39.00	60.25	88.00
0.05	2.709	0.1808844	0.0091702	0.80	0.70	23.451	12.811	10.00	14.00	21.00	29.00	40.00	2.910	25.388	13.758	11.00	16.00	22.00	32.00	43.00
0.05	2.709	0.1808844	0.0091702	0.70	0.70	13.582	6.243	7.00	9.00	12.00	17.00	22.00	2.910	14.442	6.673	7.00	10.00	13.00	18.00	23.00
0.05	2.709	0.1808844	0.0091702	0.60	0.70	8.721	3.506	5.00	6.00	8.00	11.00	13.00	2.910	9.215	3.691	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	0.70	5.967	2.146	4.00	4.00	6.00	7.00	9.00	2.910	6.250	2.218	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	0.60	30.485	17.125	13.00	18.00	27.00	38.00	53.00	2.910	33.144	18.805	14.00	20.00	29.00	42.00	58.00
0.05	2.709	0.1808844	0.0091702	1.20	0.60	26.527	13.034	13.00	17.00	24.00	33.00	43.00	2.910	28.759	14.218	14.00	19.00	26.00	36.00	47.00
0.05	2.709	0.1808844	0.0091702	1.30	0.60	21.561	8.907	12.00	15.00	20.00	26.00	33.00	2.910	23.353	9.684	13.00	16.00	22.00	28.00	36.00
0.05	2.709	0.1808844	0.0091702	1.40	0.60	17.706	6.310	11.00	13.00	17.00	21.00	26.00	2.910	19.080	6.751	12.00	14.00	18.00	23.00	28.00
0.05	2.709	0.1808844	0.0091702	0.90	0.60	28.184	15.000	13.00	17.00	25.00	35.00	48.00	2.910	30.793	17.303	14.00	19.00	27.00	38.00	53.00
0.05	2.709	0.1808844	0.0091702	0.80	0.60	20.358	9.713	10.00	13.00	18.00	25.00	33.00	2.910	22.025	10.690	11.00	14.00	20.00	27.00	36.00
0.05	2.709	0.1808844	0.0091702	0.70	0.60	13.120	5.712	7.00	9.00	12.00	16.00	21.00	2.910	13.943	6.017	7.00	10.00	13.00	17.00	22.00
0.05	2.709	0.1808844	0.0091702	0.60	0.60	8.625	3.382	5.00	6.00	8.00	11.00	13.00	2.910	9.168	3.587	5.00	7.00	9.00	11.00	14.00
0.05	2.709	0.1808844	0.0091702	0.50	0.60	6.003	2.160	4.00	4.00	6.00	7.00	9.00	2.910	6.234	2.175	4.00	5.00	6.00	7.00	9.00
0.05	2.709	0.1808844	0.0091702	1.10	0.50	19.144	8.342	10.00	13.00	17.00	23.00	30.00	2.910	20.620	9.157	11.00	14.00	19.00	25.00	33.00
0.05	2.709	0.1808844	0.0091702	1.20	0.50	18.595	7.604	10.00	13.00	17.00	22.00	29.00	2.910	19.787	8.118	11.00	14.00	18.00	24.00	31.00
0.05	2.709	0.1808844	0.0091702	1.30	0.50	17.048	6.241	10.00	13.00	16.00	20.00	25.00	2.910	18.271	6.709	11.00	13.00	17.00	22.00	27.00
0.05	2.709	0.1808844	0.0091702	1.40	0.50	15.387	5.015	10.00	12.00	15.00	18.00	22.00	2.910	16.353	5.317	10.00	13.00	16.00	19.00	23.00
0.05	2.709	0.1808844	0.0091702	0.90	0.50	18.690	8.266	10.00	13.00	17.00	23.00	29.00	2.910	20.186	8.684	11.00	14.00	18.00	25.00	32.00
0.05	2.709	0.1808844	0.0091702	0.80	0.50	15.976	6.432	9.00	11.00	15.00	19.00	25.00	2.910	17.183	6.957	10.00	12.00	16.00	21.00	26.00
0.05	2.709	0.1808844	0.0091702	0.70	0.50	12.121	4.788	7.00	9.00	11.00	15.00	19.00	2.910	12.816	5.001	7.00	9.00	12.00	16.00	19.00
0.05	2.709	0.1808844	0.0091702	0.60	0.50	8.493	3.198	5.00	6.00	8.00	10.00	13.00	2.910	8.877	3.343	5.00	6.00	8.00	11.00	13.00
0.05	2.709	0.1808844	0.0091702	0.50	0.50	5.968	2.122	4.00	4.00	6.00	7.00	9.00	2.910	6.256	2.203	4.00	5.00	6.00	8.00	9.00
0.10	3.027	0.2591139	0.0188166	1.00	1.00	370.468	364.483	45.00	109.00	256.00	509.25	842.00	3.220	501.043	489.473	60.00	147.00	345.00	684.00	1135.10
0.10	3.027	0.2591139	0.0188166	1.10	1.10	249.965	233.338	38.00	83.00	178.00	339.00	563.00	3.220	344.349	331.606	50.00	109.00	243.00	470.00	766.00
0.10	3.027	0.2591139	0.0188166	1.20	1.10	73.216	60.543	19.00	31.00	54.00	97.00	153.00	3.220	88.799	74.573	22.00	37.00	66.00	117.00	186.00
0.10	3.027	0.2591139	0.0188166	1.30	1.10	34.501	22.637	13.00	19.00	28.00	44.00	64.00	3.220	39.369	27.042	14.00	21.00	32.00	50.00	74.00
0.10	3.027	0.2591139	0.0188166	1.40	1.10	21.516	11.636	10.00	13.00	19.00	27.00	37.00	3.220	23.760	13.020	11.00	15.00	21.00	29.00	40.00
0.10	3.027	0.2591139	0.0188166	0.90	1.10	94.596	85.943	18.00	35.00	68.00	127.00	204.00	3.220	109.944	102.146	20.00	39.00	78.00	147.00	239.00
0.10	3.027	0.2591139	0.0188166	0.80	1.10	26.901	19.589	8.00	13.00	21.00	35.00	52.00	3.220	29.846	22.270	9.00	14.00	24.00	38.00	59.00
0.10	3.027	0.2591139	0.0188166	0.70	1.10	12.648	7.394	5.00	7.00	11.00	16.00	22.00	3.220	13.440	7.840	6.00	8.00	12.00	17.00	24.00
0.10	3.027	0.2591139	0.0188166	0.60	1.10	7.552	3.680	4.00	5.00	7.00	9.00	12.00	3.220	7.850	3.742	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	1.10	5.047	2.137	3.00	4.00	5.00	6.00	8.00	3.220	5.217	2.147	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	1.20	245.509	237.098	40.00	80.00	175.00	329.00	549.00	3.220	347.487	327.704	51.00	110.00	247.00	478.00	793.10
0.10	3.027	0.2591139	0.0188166	1.20	1.20	72.259	59.039	19.00	31.00	54.00	94.00	149.00	3.220	89.404	73.612	22.00	37.00	68.00	119.00	188.00
0.10	3.027	0.2591139	0.0188166	1.30	1.20	34.602	22.960	13.00	19.00	28.00	44.00	65.00	3.220	39.142	26.673	14.00	20.00	32.00	50.00	74.00
0.10	3.027	0.2591139	0.0188166	1.40	1.20	21.579	11.670	10.00	13.00	19.00	27.00	37.00	3.220	23.793	13.095	11.00	15.00	20.00	29.00	41.00
0.10	3.027	0.2591139	0.0188166	0.90	1.20	93.372	82.978	18.00	35.00	68.00	125.00	205.00	3.220	110.614	101.326	20.00	39.00	80.00	148.00	243.00
0.10	3.027	0.2591139	0.0188166	0.80	1.20	27.037	19.592	8.00	13.00	22.00	35.00	53.00	3.220	30.264	22.393	9.00	14.00	24.00	39.00	59.00
0.10	3.027	0.2591139	0.0188166	0.70	1.20	12.793	7.461	5.00	7.00	11.00	16.00	23.00	3.220	13.568	8.002	6.00	8.00	12.00	17.00	24.00
0.10	3.027	0.2591139	0.0188166	0.60	1.20	7.588	3.665	4.00	5.00	7.00	9.00	12.00	3.220	7.840	3.766	4.00				

0.10	3.027	0.2591139	0.0188166	0.80	1.30	26.930	19.536	8.00	13.00	22.00	35.00	52.00	3.220	29.848	21.934	9.00	14.00	24.00	39.00	58.00
0.10	3.027	0.2591139	0.0188166	0.70	1.30	12.744	7.472	5.00	7.00	11.00	16.00	22.00	3.220	13.382	7.646	6.00	8.00	12.00	17.00	24.00
0.10	3.027	0.2591139	0.0188166	0.60	1.30	7.499	3.696	4.00	5.00	7.00	9.00	12.00	3.220	7.926	3.822	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	1.30	5.033	2.106	3.00	4.00	5.00	6.00	8.00	3.220	5.222	2.175	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	1.40	178.297	160.932	34.00	64.00	132.00	241.00	388.00	3.220	262.107	248.657	42.00	86.00	187.00	357.00	574.10
0.10	3.027	0.2591139	0.0188166	1.20	1.40	67.941	54.140	19.00	30.00	52.00	89.00	137.00	3.220	83.969	67.359	22.00	35.00	64.00	112.00	173.00
0.10	3.027	0.2591139	0.0188166	1.30	1.40	33.443	21.630	13.00	18.00	28.00	42.00	62.00	3.220	38.515	25.676	14.00	20.00	32.00	49.00	71.00
0.10	3.027	0.2591139	0.0188166	1.40	1.40	21.447	11.600	10.00	13.00	19.00	26.00	37.00	3.220	23.851	12.999	11.00	15.00	21.00	29.00	40.10
0.10	3.027	0.2591139	0.0188166	0.90	1.40	83.394	73.421	18.00	32.00	61.00	112.00	180.00	3.220	102.387	91.336	20.00	38.00	75.00	138.00	222.00
0.10	3.027	0.2591139	0.0188166	0.80	1.40	26.580	19.159	9.00	13.00	21.00	34.00	51.00	3.220	29.324	21.438	9.00	14.00	23.00	38.00	57.00
0.10	3.027	0.2591139	0.0188166	0.70	1.40	12.693	7.299	5.00	7.00	11.00	16.00	22.00	3.220	13.446	7.798	6.00	8.00	12.00	17.00	23.00
0.10	3.027	0.2591139	0.0188166	0.60	1.40	7.551	3.653	4.00	5.00	7.00	9.00	12.00	3.220	7.948	3.804	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	1.40	5.059	2.127	3.00	4.00	5.00	6.00	8.00	3.220	5.210	2.164	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	0.90	163.753	149.703	28.00	56.00	118.00	225.00	362.00	3.220	217.038	203.849	33.00	70.00	154.00	297.00	487.00
0.10	3.027	0.2591139	0.0188166	1.20	0.90	65.455	52.839	17.00	28.00	50.00	86.00	135.00	3.220	79.585	65.662	20.00	33.00	60.00	105.00	166.00
0.10	3.027	0.2591139	0.0188166	1.30	0.90	33.129	21.722	13.00	18.00	27.00	42.00	62.00	3.220	37.689	25.431	14.00	20.00	31.00	48.00	71.00
0.10	3.027	0.2591139	0.0188166	1.40	0.90	21.201	11.129	10.00	13.00	19.00	26.00	35.00	3.220	23.543	12.767	11.00	15.00	20.00	29.00	40.00
0.10	3.027	0.2591139	0.0188166	0.90	0.90	80.932	70.739	16.00	30.00	59.00	110.00	176.00	3.220	94.127	83.965	18.00	35.00	69.00	126.25	203.00
0.10	3.027	0.2591139	0.0188166	0.80	0.90	26.388	18.908	8.00	13.00	21.00	34.00	51.00	3.220	28.910	20.945	9.00	14.00	23.00	37.25	56.10
0.10	3.027	0.2591139	0.0188166	0.70	0.90	12.684	7.240	5.00	7.00	11.00	16.00	22.00	3.220	13.359	7.637	6.00	8.00	12.00	17.00	23.00
0.10	3.027	0.2591139	0.0188166	0.60	0.90	7.451	3.566	4.00	5.00	7.00	9.00	12.00	3.220	7.900	3.848	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	0.90	5.007	2.098	3.00	3.00	5.00	6.00	8.00	3.220	5.213	2.185	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	0.80	106.275	95.757	21.00	39.00	77.00	143.00	229.00	3.220	131.593	119.129	24.00	46.00	95.00	178.00	293.00
0.10	3.027	0.2591139	0.0188166	1.20	0.80	55.747	44.532	16.00	25.00	43.00	73.00	113.00	3.220	67.728	55.285	18.00	29.00	51.00	88.00	140.00
0.10	3.027	0.2591139	0.0188166	1.30	0.80	31.104	20.041	12.00	17.00	26.00	39.00	57.00	3.220	35.590	23.752	14.00	19.00	29.00	45.00	66.00
0.10	3.027	0.2591139	0.0188166	1.40	0.80	20.842	10.929	10.00	13.00	18.00	26.00	35.00	3.220	22.913	12.255	11.00	14.00	20.00	28.00	39.00
0.10	3.027	0.2591139	0.0188166	0.90	0.80	64.268	55.559	15.00	25.00	48.00	85.00	135.00	3.220	75.915	66.273	17.00	29.00	56.00	101.00	161.00
0.10	3.027	0.2591139	0.0188166	0.80	0.80	25.099	17.960	8.00	13.00	20.00	32.00	48.00	3.220	27.913	20.147	9.00	14.00	23.00	36.00	54.00
0.10	3.027	0.2591139	0.0188166	0.70	0.80	12.436	7.019	5.00	7.00	11.00	16.00	22.00	3.220	13.136	7.374	6.00	8.00	11.00	17.00	23.00
0.10	3.027	0.2591139	0.0188166	0.60	0.80	7.533	3.620	4.00	5.00	7.00	9.00	12.00	3.220	7.833	3.771	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	0.80	4.991	2.076	3.00	3.00	5.00	6.00	8.00	3.220	5.246	2.194	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	0.70	60.395	49.879	15.00	25.00	45.00	80.00	127.00	3.220	72.469	62.064	17.00	30.00	54.00	95.00	153.00
0.10	3.027	0.2591139	0.0188166	1.20	0.70	42.466	31.421	14.00	21.00	34.00	54.00	84.10	3.220	49.535	37.290	15.00	23.00	38.00	64.00	98.00
0.10	3.027	0.2591139	0.0188166	1.30	0.70	27.455	16.992	11.00	16.00	23.00	34.00	49.00	3.220	31.605	20.244	13.00	18.00	26.00	40.00	57.10
0.10	3.027	0.2591139	0.0188166	1.40	0.70	19.660	9.903	10.00	13.00	17.00	24.00	33.00	3.220	21.545	11.108	10.00	14.00	19.00	27.00	36.00
0.10	3.027	0.2591139	0.0188166	0.90	0.70	45.654	36.638	12.00	20.00	35.00	60.00	92.00	3.220	52.701	42.657	14.00	22.75	40.00	70.00	108.00
0.10	3.027	0.2591139	0.0188166	0.80	0.70	22.799	15.420	8.00	12.00	19.00	29.00	43.00	3.220	25.276	17.364	9.00	13.00	21.00	33.00	48.00
0.10	3.027	0.2591139	0.0188166	0.70	0.70	12.299	6.843	5.00	7.00	11.00	15.00	21.00	3.220	12.994	7.324	6.00	8.00	11.00	16.00	22.00
0.10	3.027	0.2591139	0.0188166	0.60	0.70	7.508	3.628	4.00	5.00	7.00	9.00	12.00	3.220	7.784	3.681	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	0.70	5.034	2.108	3.00	4.00	5.00	6.00	8.00	3.220	5.226	2.158	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	0.60	33.384	23.738	11.00	17.00	27.00	43.00	64.00	3.220	37.449	26.798	12.00	18.00	30.00	48.00	72.00
0.10	3.027	0.2591139	0.0188166	1.20	0.60	28.806	19.109	11.00	15.00	24.00	36.00	54.00	3.220	31.987	21.627	12.00	17.00	26.00	41.00	60.00
0.10	3.027	0.2591139	0.0188166	1.30	0.60	22.442	12.754	10.00	14.00	19.00	28.00	39.00	3.220	25.336	14.538	11.00	15.00	22.00	32.00	44.00
0.10	3.027	0.2591139	0.0188166	1.40	0.60	17.682	8.374	9.00	12.00	16.00	22.00	29.00	3.220	19.440	9.554	10.00	13.00	17.00	24.00	32.00
0.10	3.027	0.2591139	0.0188166	0.90	0.60	29.188	20.150	10.00	15.00	24.00	38.00	55.00	3.220	33.160	23.540	11.00	17.00	27.00	43.00	64.00
0.10	3.027	0.2591139	0.0188166	0.80	0.60	19.476	11.817	8.00	11.00	17.00	25.00	35.00	3.220	21.203	13.157	8.00	12.00	18.00	27.00	38.00
0.10	3.027	0.2591139	0.0188166	0.70	0.60	11.742	6.245	5.00	7.00	10.00	15.00	20.00	3.220	12.515	6.766	6.00	8.00	11.00	16.00	21.00
0.10	3.027	0.2591139	0.0188166	0.60	0.60	7.360	3.413	4.00	5.00	7.00	9.00	12.00	3.220	7.844	3.725	4.00	5.00	7.00	10.00	13.00
0.10	3.027	0.2591139	0.0188166	0.50	0.60	5.035	2.100	3.00	4.00	5.00	6.00	8.00	3.220	5.206	2.138	3.00	4.00	5.00	6.00	8.00
0.10	3.027	0.2591139	0.0188166	1.10	0.50	19.481	11.165	9.00	12.00	17.00	24.00	34.00	3.220	21.175	12.256	9.00	12.00	18.00	26.00	37.00
0.10	3.027	0.2591139	0.0188166	1.20	0.50	18.363	9.925	8.00	11.00	16.00	23.00	31.00	3.220	20.410	11.413	9.00	12.00	18.00	25.00	35.00
0.10	3.027	0.2591139	0.0188166	1.30	0.50	16.889	8.432	8.00	11.00	15.00	21.00	28.00	3.220	18.338	9.111	9.00	12.00	16.00	23.00	30.00
0.10	3.027	0.2591139	0.0188166	1.40	0.50	14.653	6.363	8.00	10.00	13.00	18.00	23.00	3.220	16.075	7.215	9.00	11.00	15.00	20.00	25.00
0.10	3.027	0.2591139	0.0188166	0.90	0.50	18.390	10.323	8.00	11.00	16.00	23.00	32.00	3.220	20.273	11.663	9.00	12.00	17.00	26.00	36.00
0.10	3.027	0.2591139	0.0188166	0.80	0.50	14.889	7.887	7.00	9.00	13.00	18.00	25.00	3.220	16.421	8.793	8.00	10.00	14.00	21.00	28.00
0.10	3.027	0.2591139	0.0188166	0.70	0.50	10.584	5.208	5.00	7.00	9.00	13.00	17.00	3.220	11.434	5.513	6.00	7.00	10.00	1	

0.15	3.238	0.3214631	0.0286840	1.40	1.10	27.818	18.993	10.00	15.00	22.00	35.00	53.00	3.424	32.477	23.393	11.00	16.00	26.00	41.00	62.00
0.15	3.238	0.3214631	0.0286840	0.90	1.10	102.755	96.562	16.00	34.00	73.00	141.00	227.00	3.424	123.416	115.088	19.00	41.00	89.00	170.00	273.00
0.15	3.238	0.3214631	0.0286840	0.80	1.10	29.017	23.433	8.00	12.00	22.00	39.00	60.00	3.424	32.702	26.344	8.00	14.00	25.00	43.00	68.00
0.15	3.238	0.3214631	0.0286840	0.70	1.10	12.617	8.147	5.00	7.00	11.00	16.00	23.00	3.424	13.460	8.983	5.00	7.00	11.00	17.00	25.00
0.15	3.238	0.3214631	0.0286840	0.60	1.10	7.163	3.933	3.00	4.00	6.00	9.00	12.00	3.424	7.488	4.057	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	1.10	4.631	2.150	2.00	3.00	4.00	6.00	7.00	3.424	4.857	2.281	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	1.20	488.620	488.059	57.00	144.00	334.00	677.00	1114.00	3.424	712.133	705.086	84.00	212.00	497.00	976.25	1612.20
0.15	3.238	0.3214631	0.0286840	1.20	1.20	130.302	117.815	24.00	46.00	94.00	177.00	286.00	3.424	172.997	162.705	28.00	57.00	123.00	236.00	385.00
0.15	3.238	0.3214631	0.0286840	1.30	1.20	51.725	41.759	14.00	22.00	40.00	67.00	105.00	3.424	63.894	53.260	16.00	26.00	48.00	85.00	133.00
0.15	3.238	0.3214631	0.0286840	1.40	1.20	28.218	19.172	10.00	15.00	23.00	36.00	54.00	3.424	32.149	22.528	11.00	16.00	26.00	41.00	61.00
0.15	3.238	0.3214631	0.0286840	0.90	1.20	108.136	101.188	17.00	35.00	77.00	148.00	240.10	3.424	126.820	122.411	20.00	41.00	87.00	173.00	284.00
0.15	3.238	0.3214631	0.0286840	0.80	1.20	29.527	24.200	8.00	13.00	23.00	39.00	61.00	3.424	32.558	26.694	8.00	14.00	25.00	43.00	68.00
0.15	3.238	0.3214631	0.0286840	0.70	1.20	12.611	8.155	5.00	7.00	11.00	16.00	23.00	3.424	13.611	9.051	5.00	7.00	11.00	17.00	26.00
0.15	3.238	0.3214631	0.0286840	0.60	1.20	7.138	3.900	3.00	4.00	6.00	9.00	12.00	3.424	7.438	4.054	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	1.20	4.615	2.162	2.00	3.00	4.00	6.00	7.00	3.424	4.853	2.243	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	1.30	504.331	488.493	63.00	151.75	353.00	706.00	1141.10	3.424	767.369	756.971	87.00	222.00	530.00	1065.00	1769.10
0.15	3.238	0.3214631	0.0286840	1.20	1.30	133.915	124.086	23.00	45.00	96.00	184.00	297.00	3.424	178.747	168.220	28.00	59.00	127.00	241.25	405.00
0.15	3.238	0.3214631	0.0286840	1.30	1.30	52.224	42.603	14.00	22.00	39.00	69.00	108.00	3.424	64.182	54.183	16.00	27.00	47.00	84.00	133.00
0.15	3.238	0.3214631	0.0286840	1.40	1.30	28.507	19.661	10.00	15.00	23.00	36.00	54.00	3.424	32.628	22.924	12.00	16.00	26.00	42.00	63.00
0.15	3.238	0.3214631	0.0286840	0.90	1.30	108.094	102.226	17.00	35.00	76.00	147.00	239.00	3.424	130.525	123.696	20.00	43.00	92.00	179.00	294.00
0.15	3.238	0.3214631	0.0286840	0.80	1.30	29.175	23.698	7.90	13.00	22.00	39.00	60.00	3.424	32.846	26.661	8.00	14.00	25.00	43.00	68.00
0.15	3.238	0.3214631	0.0286840	0.70	1.30	12.618	8.266	5.00	7.00	10.00	16.00	23.00	3.424	13.615	9.069	5.00	7.00	11.00	18.00	25.00
0.15	3.238	0.3214631	0.0286840	0.60	1.30	7.140	3.867	3.00	4.00	6.00	9.00	12.00	3.424	7.456	4.055	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	1.30	4.617	2.150	2.00	3.00	4.00	6.00	7.00	3.424	4.828	2.230	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	1.40	533.043	538.144	64.00	157.00	368.00	718.00	1223.10	3.424	794.219	788.604	94.00	232.00	553.00	1093.00	1808.00
0.15	3.238	0.3214631	0.0286840	1.20	1.40	133.937	123.564	24.00	47.00	96.00	180.00	292.10	3.424	179.390	166.524	29.00	59.00	129.00	246.00	393.00
0.15	3.238	0.3214631	0.0286840	1.30	1.40	52.327	42.169	14.00	23.00	40.00	69.00	106.00	3.424	64.012	53.493	16.00	27.00	48.00	84.00	133.00
0.15	3.238	0.3214631	0.0286840	1.40	1.40	28.238	19.241	11.00	15.00	23.00	36.00	53.00	3.424	32.690	23.333	11.00	16.00	26.00	42.00	62.00
0.15	3.238	0.3214631	0.0286840	0.90	1.40	108.509	102.701	17.00	36.00	78.00	148.00	243.00	3.424	129.864	123.816	19.00	41.00	93.00	177.00	290.00
0.15	3.238	0.3214631	0.0286840	0.80	1.40	29.088	23.326	7.00	13.00	22.00	39.00	59.00	3.424	32.737	26.714	8.00	14.00	25.00	43.00	68.00
0.15	3.238	0.3214631	0.0286840	0.70	1.40	12.626	8.360	5.00	7.00	10.00	16.00	24.00	3.424	13.549	8.842	5.00	7.00	11.00	18.00	25.00
0.15	3.238	0.3214631	0.0286840	0.60	1.40	7.101	3.818	3.00	4.00	6.00	9.00	12.00	3.424	7.524	4.138	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	1.40	4.672	2.190	2.00	3.00	4.00	6.00	8.00	3.424	4.853	2.247	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	0.90	234.240	228.013	32.00	73.75	162.20	320.25	527.10	3.424	317.329	308.769	40.00	97.00	225.50	437.00	710.00
0.15	3.238	0.3214631	0.0286840	1.20	0.90	106.846	97.119	20.00	38.00	77.00	145.00	234.00	3.424	140.183	131.051	24.00	47.00	101.00	189.00	310.00
0.15	3.238	0.3214631	0.0286840	1.30	0.90	48.227	38.121	13.00	21.00	37.00	64.00	97.00	3.424	58.830	48.676	15.00	25.00	44.00	78.00	122.10
0.15	3.238	0.3214631	0.0286840	1.40	0.90	26.946	17.939	10.00	14.00	22.00	34.00	51.00	3.424	32.154	22.408	11.00	16.00	26.00	41.00	62.00
0.15	3.238	0.3214631	0.0286840	0.90	0.90	87.272	81.237	15.00	30.00	62.00	119.00	193.00	3.424	106.078	100.647	17.00	35.00	75.00	146.00	237.00
0.15	3.238	0.3214631	0.0286840	0.80	0.90	27.760	21.891	7.00	12.00	22.00	36.00	57.00	3.424	31.619	25.743	8.00	14.00	24.00	42.00	65.00
0.15	3.238	0.3214631	0.0286840	0.70	0.90	12.448	8.109	4.00	7.00	10.00	16.00	23.00	3.424	13.426	8.856	5.00	7.00	11.00	17.00	25.00
0.15	3.238	0.3214631	0.0286840	0.60	0.90	7.117	3.886	3.00	4.00	6.00	9.00	12.00	3.424	7.421	3.958	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	0.90	4.602	2.148	2.00	3.00	4.00	6.00	7.00	3.424	4.811	2.241	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	0.80	147.049	142.325	22.00	48.00	104.00	195.00	326.00	3.424	183.196	174.491	28.00	59.00	130.00	249.00	410.10
0.15	3.238	0.3214631	0.0286840	1.20	0.80	82.498	73.709	16.00	31.00	60.00	110.00	177.00	3.424	106.061	98.298	19.00	37.00	76.00	143.00	231.00
0.15	3.238	0.3214631	0.0286840	1.30	0.80	43.586	34.513	12.00	19.00	34.00	57.00	89.00	3.424	53.273	42.569	14.00	23.00	41.00	70.00	110.00
0.15	3.238	0.3214631	0.0286840	1.40	0.80	26.030	17.430	10.00	14.00	21.00	33.00	49.00	3.424	30.283	20.913	11.00	16.00	24.00	39.00	58.00
0.15	3.238	0.3214631	0.0286840	0.90	0.80	72.981	66.512	13.00	26.00	53.00	98.00	158.00	3.424	85.581	78.586	15.00	30.00	62.00	115.00	188.00
0.15	3.238	0.3214631	0.0286840	0.80	0.80	26.481	20.650	7.00	12.00	20.00	35.00	53.10	3.424	30.028	23.946	8.00	13.00	23.00	40.00	61.00
0.15	3.238	0.3214631	0.0286840	0.70	0.80	12.375	8.221	5.00	7.00	10.00	16.00	23.00	3.424	13.266	8.533	5.00	7.00	11.00	17.00	24.00
0.15	3.238	0.3214631	0.0286840	0.60	0.80	7.144	3.958	3.00	4.00	6.00	9.00	12.00	3.424	7.489	4.010	3.00	5.00	7.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	0.80	4.638	2.190	2.00	3.00	4.00	6.00	8.00	3.424	4.829	2.289	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	0.70	78.033	71.107	15.00	28.00	56.00	105.00	172.00	3.424	97.650	88.241	18.00	35.00	71.00	132.00	213.00
0.15	3.238	0.3214631	0.0286840	1.20	0.70	56.685	48.184	13.00	23.00	42.00	75.00	119.00	3.424	71.800	62.616	16.00	28.00	53.00	96.00	151.00
0.15	3.238	0.3214631	0.0286840	1.30	0.70	37.195	28.925	11.00	17.00	29.00	48.00	75.00	3.424	44.859	35.413	13.00	20.00	34.00	58.00	91.00
0.15	3.238	0.3214631	0.0286840	1.40	0.70	24.134	15.756	9.00	13.00	20.00	31.00	45.00	3.424	28.067	18.756	10.00	15.00	23.00	36.00	53.00

0.15	3.238	0.3214631	0.0286840	1.30	0.60	27.853	19.453	10.00	14.00	22.00	36.00	53.00	3.424	32.785	23.919	11.00	16.00	26.00	43.00	65.00
0.15	3.238	0.3214631	0.0286840	1.40	0.60	20.854	12.900	9.00	12.00	17.00	26.00	37.00	3.424	23.617	15.409	9.00	13.00	20.00	30.00	43.00
0.15	3.238	0.3214631	0.0286840	0.90	0.60	34.277	27.184	9.00	15.00	26.00	45.00	69.00	3.424	38.531	31.427	10.00	16.00	30.00	50.00	78.10
0.15	3.238	0.3214631	0.0286840	0.80	0.60	20.110	14.459	7.00	10.00	16.00	26.00	39.00	3.424	22.858	16.258	7.00	11.00	18.00	30.00	44.00
0.15	3.238	0.3214631	0.0286840	0.70	0.60	11.462	7.035	5.00	7.00	10.00	15.00	21.00	3.424	12.450	7.703	5.00	7.00	11.00	16.00	22.00
0.15	3.238	0.3214631	0.0286840	0.60	0.60	6.967	3.686	3.00	4.00	6.00	9.00	12.00	3.424	7.338	3.943	3.00	5.00	6.00	9.00	13.00
0.15	3.238	0.3214631	0.0286840	0.50	0.60	4.576	2.113	2.00	3.00	4.00	6.00	7.00	3.424	4.749	2.188	2.00	3.00	4.00	6.00	8.00
0.15	3.238	0.3214631	0.0286840	1.10	0.50	21.814	14.678	8.00	11.00	18.00	28.00	41.00	3.424	24.777	17.327	9.00	13.00	20.00	32.00	47.00
0.15	3.238	0.3214631	0.0286840	1.20	0.50	20.942	13.967	8.00	11.00	17.00	27.00	39.00	3.424	23.718	16.104	9.00	12.00	19.00	31.00	45.00
0.15	3.238	0.3214631	0.0286840	1.30	0.50	19.004	11.721	8.00	11.00	16.00	24.00	34.00	3.424	21.052	13.154	8.00	12.00	18.00	27.00	39.00
0.15	3.238	0.3214631	0.0286840	1.40	0.50	16.388	9.039	7.00	10.00	14.00	20.00	28.00	3.424	18.126	10.238	8.00	11.00	16.00	23.00	31.00
0.15	3.238	0.3214631	0.0286840	0.90	0.50	20.244	13.627	7.00	11.00	17.00	26.00	38.00	3.424	22.899	15.352	8.00	12.00	19.00	29.00	44.00
0.15	3.238	0.3214631	0.0286840	0.80	0.50	15.804	9.951	6.00	9.00	13.00	20.00	29.00	3.424	17.419	11.076	7.00	10.00	15.00	22.00	32.00
0.15	3.238	0.3214631	0.0286840	0.70	0.50	10.470	5.726	5.00	6.00	9.00	13.00	18.00	3.424	11.109	6.289	5.00	7.00	10.00	14.00	20.00
0.15	3.238	0.3214631	0.0286840	0.60	0.50	6.854	3.441	3.00	4.00	6.00	8.00	11.00	3.424	7.109	3.553	3.00	5.00	6.00	9.00	12.00
0.15	3.238	0.3214631	0.0286840	0.50	0.50	4.609	2.086	2.00	3.00	4.00	6.00	7.00	3.424	4.770	2.146	2.00	3.00	4.00	6.00	8.00

TABLE S.5. ARL Results of the Max-EWMA control chart when pure shift occurs in the shape1 parameter of beta distribution ($\Delta_\gamma \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\lambda = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_γ	Δ_λ	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	
						$ARL_0 = 370$						$ARL_0 = 500$									
Case 1																					
$\phi=290$																					
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.125	351.717	53.00	117.00	263.00	512.25	821.00	2.887	500.934	478.084	67.00	160.00	356.00	695.00	1128.00	
0.05	2.687	0.1808245	0.0092612	1.10	1.00	20.395	9.863	10.00	13.00	18.00	25.00	34.00	2.887	21.723	10.641	11.00	14.00	19.00	27.00	35.00	
0.05	2.687	0.1808245	0.0092612	1.20	1.00	8.768	2.798	6.00	7.00	8.00	10.00	12.00	2.887	9.140	2.893	6.00	7.00	9.00	11.00	13.00	
0.05	2.687	0.1808245	0.0092612	1.30	1.00	5.754	1.473	4.00	5.00	6.00	7.00	8.00	2.887	5.949	1.502	4.00	5.00	6.00	7.00	8.00	
0.05	2.687	0.1808245	0.0092612	1.40	1.00	4.322	0.966	3.00	4.00	4.00	5.00	6.00	2.887	4.516	0.988	3.00	4.00	4.00	5.00	6.00	
0.05	2.687	0.1808245	0.0092612	0.90	1.00	19.304	8.845	10.00	13.00	17.00	24.00	31.00	2.887	20.772	9.654	11.00	14.00	19.00	25.00	33.00	
0.05	2.687	0.1808245	0.0092612	0.80	1.00	7.940	2.198	5.00	6.00	8.00	9.00	11.00	2.887	8.284	2.322	6.00	7.00	8.00	10.00	11.00	
0.05	2.687	0.1808245	0.0092612	0.70	1.00	5.008	1.065	4.00	4.00	5.00	6.00	6.00	2.887	5.218	1.093	4.00	4.00	5.00	6.00	7.00	
0.05	2.687	0.1808245	0.0092612	0.60	1.00	3.671	0.657	3.00	3.00	4.00	4.00	4.00	2.887	3.819	0.683	3.00	3.00	4.00	4.00	5.00	
0.05	2.687	0.1808245	0.0092612	0.50	1.00	2.965	0.434	2.00	3.00	3.00	3.00	3.00	2.887	3.069	0.410	3.00	3.00	3.00	3.00	4.00	
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.022	359.925	45.00	111.00	256.50	507.00	845.00	3.162	501.845	494.182	65.00	154.00	350.00	700.00	1126.00	
0.10	2.988	0.2588680	0.0188363	1.10	1.00	20.124	12.467	8.00	11.00	17.00	25.00	36.00	3.162	21.680	13.436	9.00	12.00	18.00	27.00	39.00	
0.10	2.988	0.2588680	0.0188363	1.20	1.00	7.546	2.975	4.00	5.00	7.00	9.00	11.00	3.162	7.900	3.101	5.00	6.00	7.00	9.00	12.00	
0.10	2.988	0.2588680	0.0188363	1.30	1.00	4.702	1.427	3.00	4.00	4.00	5.00	7.00	3.162	4.896	1.475	3.00	4.00	5.00	6.00	7.00	
0.10	2.988	0.2588680	0.0188363	1.40	1.00	3.553	0.926	3.00	3.00	3.00	4.00	5.00	3.162	3.658	0.933	3.00	3.00	4.00	4.00	5.00	
0.10	2.988	0.2588680	0.0188363	0.90	1.00	19.213	11.181	8.00	11.00	17.00	24.00	34.00	3.162	20.708	12.306	9.00	12.00	18.00	26.00	36.00	
0.10	2.988	0.2588680	0.0188363	0.80	1.00	6.704	2.303	4.00	5.00	6.00	8.00	10.00	3.162	7.071	2.402	4.00	5.00	7.00	8.00	10.00	
0.10	2.988	0.2588680	0.0188363	0.70	1.00	4.104	1.042	3.00	3.00	4.00	5.00	5.00	3.162	4.250	1.062	3.00	4.00	4.00	5.00	6.00	
0.10	2.988	0.2588680	0.0188363	0.60	1.00	2.980	0.620	2.00	3.00	3.00	3.00	4.00	3.162	3.083	0.616	2.00	3.00	3.00	3.00	4.00	
0.10	2.988	0.2588680	0.0188363	0.50	1.00	2.318	0.474	2.00	2.00	2.00	3.00	3.00	3.162	2.401	0.506	2.00	2.00	2.00	3.00	3.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.360	360.606	44.00	110.00	260.00	512.00	851.00	3.267	500.683	496.854	56.00	149.00	351.00	691.00	1143.00	
0.15	3.105	0.3220389	0.0289256	1.10	1.00	21.341	15.086	7.00	11.00	17.00	28.00	41.00	3.267	23.363	16.725	8.00	12.00	19.00	30.00	45.00	
0.15	3.105	0.3220389	0.0289256	1.20	1.00	7.090	3.213	4.00	5.00	6.00	9.00	11.00	3.267	7.474	3.417	4.00	5.00	7.00	9.00	12.00	
0.15	3.105	0.3220389	0.0289256	1.30	1.00	4.262	1.449	3.00	3.00	4.00	5.00	6.00	3.267	4.410	1.495	3.00	3.00	4.00	5.00	6.00	
0.15	3.105	0.3220389	0.0289256	1.40	1.00	3.162	0.917	2.00	3.00	3.00	4.00	4.00	3.267	3.257	0.939	2.00	3.00	3.00	4.00	4.00	
0.15	3.105	0.3220389	0.0289256	0.90	1.00	20.704	14.015	7.00	11.00	17.00	27.00	39.00	3.267	22.451	15.612	8.00	12.00	18.00	29.00	43.00	
0.15	3.105	0.3220389	0.0289256	0.80	1.00	6.276	2.458	4.00	5.00	6.00	7.00	9.00	3.267	6.594	2.636	4.00	5.00	6.00	8.00	10.00	
0.15	3.105	0.3220389	0.0289256	0.70	1.00	3.675	1.032	3.00	3.00	4.00	4.00	5.00	3.267	3.812	1.064	3.00	3.00	4.00	4.00	5.00	
0.15	3.105	0.3220389	0.0289256	0.60	1.00	2.620	0.628	2.00	2.00	3.00	3.00	3.00	3.267	2.705	0.643	2.00	2.00	3.00	3.00	3.00	
0.15	3.105	0.3220389	0.0289256	0.50	1.00	2.108	0.330	2.00	2.00	2.00	2.00	3.00	3.267	2.142	0.361	2.00	2.00	2.00	2.00	3.00	

Case 2																				
$\phi=148$																				
0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.630	356.051	53.00	119.00	262.00	511.00	851.00	2.888	500.861	488.895	67.00	161.00	354.50	683.00	1124.00
0.05	2.693	0.1815312	0.0092496	1.10	1.00	33.221	20.100	14.00	19.00	28.00	42.00	59.00	2.888	35.863	21.669	14.00	21.00	31.00	45.00	64.00
0.05	2.693	0.1815312	0.0092496	1.20	1.00	13.089	5.173	7.00	9.00	12.00	16.00	20.00	2.888	13.853	5.392	8.00	10.00	13.00	17.00	21.00
0.05	2.693	0.1815312	0.0092496	1.30	1.00	8.226	2.544	5.00	6.00	8.00	10.00	12.00	2.888	8.622	2.643	6.00	7.00	8.00	10.00	12.00
0.05	2.693	0.1815312	0.0092496	1.40	1.00	6.120	1.628	4.00	5.00	6.00	7.00	8.00	2.888	6.395	1.671	4.00	5.00	6.00	7.00	9.00
0.05	2.693	0.1815312	0.0092496	0.90	1.00	31.575	17.732	14.00	19.00	27.00	40.00	54.00	2.888	34.291	19.703	15.00	21.00	29.00	42.25	60.00
0.05	2.693	0.1815312	0.0092496	0.80	1.00	11.837	4.015	7.00	9.00	11.00	14.00	17.00	2.888	12.535	4.367	8.00	9.00	12.00	15.00	18.00
0.05	2.693	0.1815312	0.0092496	0.70	1.00	7.172	1.837	5.00	6.00	7.00	8.00	10.00	2.888	7.532	1.900	5.00	6.00	7.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.60	1.00	5.138	1.063	4.00	4.00	5.00	6.00	7.00	2.888	5.357	1.107	4.00	5.00	5.00	6.00	7.00
0.05	2.693	0.1815312	0.0092496	0.50	1.00	4.001	0.703	3.00	4.00	4.00	4.00	5.00	2.888	4.171	0.712	3.00	4.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	1.00	1.10	303.874	281.476	48.00	101.00	218.00	418.00	681.00	2.888	409.900	399.677	63.00	132.00	289.00	552.25	917.00
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.596	361.021	48.00	115.00	262.00	510.25	838.00	3.164	500.156	491.339	61.00	150.00	348.00	686.00	1147.00
0.10	2.990	0.2591099	0.0188559	1.10	1.00	35.696	26.596	11.00	17.00	28.00	46.00	71.00	3.164	40.091	30.350	12.00	19.00	31.00	52.00	80.00
0.10	2.990	0.2591099	0.0188559	1.20	1.00	11.957	5.950	6.00	8.00	11.00	15.00	20.00	3.164	12.540	6.174	6.00	8.00	11.00	16.00	21.00
0.10	2.990	0.2591099	0.0188559	1.30	1.00	7.051	2.654	4.00	5.00	7.00	8.00	11.00	3.164	7.421	2.824	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	1.00	5.118	1.628	3.00	4.00	5.00	6.00	7.00	3.164	5.299	1.675	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	1.00	34.862	25.078	12.00	17.00	28.00	45.00	68.00	3.164	38.453	27.988	13.00	19.00	31.00	50.00	75.00
0.10	2.990	0.2591099	0.0188559	0.80	1.00	10.609	4.643	6.00	7.00	10.00	13.00	17.00	3.164	11.164	4.856	6.00	8.00	10.00	13.00	17.00
0.10	2.990	0.2591099	0.0188559	0.70	1.00	6.018	1.851	4.00	5.00	6.00	7.00	8.00	3.164	6.280	1.923	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	1.00	4.211	1.035	3.00	3.00	4.00	5.00	6.00	3.164	4.360	1.073	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	1.00	3.252	0.658	3.00	3.00	3.00	4.00	4.00	3.164	3.379	0.666	3.00	3.00	3.00	4.00	4.00
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.684	364.987	45.00	113.00	256.00	512.00	852.00	3.276	499.238	497.396	58.00	151.00	339.50	685.00	1141.00
0.15	3.108	0.3218169	0.0287890	1.10	1.00	39.968	33.213	10.00	16.00	30.00	53.00	83.10	3.276	45.043	38.371	11.00	18.00	34.00	60.00	95.00
0.15	3.108	0.3218169	0.0287890	1.20	1.00	11.809	6.951	5.00	7.00	10.00	15.00	21.00	3.276	12.528	7.356	5.00	7.00	11.00	16.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	1.00	6.635	2.944	4.00	5.00	6.00	8.00	10.00	3.276	6.825	3.010	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	1.00	4.623	1.671	3.00	3.00	4.00	5.00	7.00	3.276	4.825	1.753	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	1.00	40.848	33.581	11.00	17.00	31.00	54.00	84.00	3.276	46.845	38.272	12.00	20.00	35.00	62.00	97.00
0.15	3.108	0.3218169	0.0287890	0.80	1.00	10.434	5.283	5.00	7.00	9.00	13.00	17.00	3.276	11.083	5.875	5.00	7.00	10.00	14.00	19.00
0.15	3.108	0.3218169	0.0287890	0.70	1.00	5.508	1.968	3.00	4.00	5.00	7.00	8.00	3.276	5.764	2.046	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	1.00	3.770	1.033	3.00	3.00	4.00	4.00	5.00	3.276	3.914	1.075	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	1.00	2.872	0.687	2.00	2.00	3.00	3.00	4.00	3.276	2.970	0.693	2.00	3.00	3.00	3.00	4.00
Case 3																				
$\phi=80$																				
0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.278	351.550	53.00	117.00	257.00	512.00	834.00	2.887	500.015	480.233	66.00	154.00	350.00	690.00	1114.10
0.05	2.707	0.1806445	0.0092291	1.10	1.00	53.098	36.921	18.00	27.00	43.00	69.00	103.00	2.887	58.162	41.626	19.00	29.00	47.00	75.00	111.00
0.05	2.707	0.1806445	0.0092291	1.20	1.00	19.426	9.208	10.00	13.00	18.00	24.00	32.00	2.887	20.724	9.816	10.00	14.00	19.00	26.00	34.00
0.05	2.707	0.1806445	0.0092291	1.30	1.00	11.874	4.527	7.00	9.00	11.00	14.00	18.00	2.887	12.480	4.673	7.00	9.00	12.00	15.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	1.00	8.630	2.758	5.00	7.00	8.00	10.00	12.00	2.887	9.002	2.866	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	1.00	50.626	34.050	18.00	27.00	41.00	65.00	94.00	2.887	55.354	37.533	20.00	29.00	45.00	71.00	103.10
0.05	2.707	0.1806445	0.0092291	0.80	1.00	17.552	7.415	10.00	12.00	16.00	21.00	27.00	2.887	18.547	7.822	10.00	13.00	17.00	22.00	29.00
0.05	2.707	0.1806445	0.0092291	0.70	1.00	10.121	3.113	7.00	8.00	10.00	12.00	14.00	2.887	10.734	3.355	7.00	8.00	10.00	13.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	1.00	7.107	1.752	5.00	6.00	7.00	8.00	9.00	2.887	7.435	1.813	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	1.00	5.436	1.099	4.00	5.00	5.00	6.00	7.00	2.887	5.676	1.133	4.00	5.00	6.00	6.00	7.00
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.285	363.063	47.00	111.00	257.00	509.00	827.00	3.165	500.538	486.596	61.00	147.00	346.00	702.00	1148.00
0.10	2.989	0.2591572	0.0188247	1.10	1.00	59.103	48.905	15.00	25.00	44.00	78.00	124.00	3.165	69.053	58.262	16.00	28.00	52.00	92.00	144.00
0.10	2.989	0.2591572	0.0188247	1.20	1.00	18.983	11.596	8.00	11.00	16.00	24.00	34.00	3.165	20.447	12.346	8.00	12.00	17.00	26.00	36.10
0.10	2.989	0.2591572	0.0188247	1.30	1.00	10.700	5.103	5.00	7.00	10.00	13.00	17.00	3.165	11.300	5.402	6.00	7.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	1.00	7.409	2.922	4.00	5.00	7.00	9.00	11.00	3.165	7.793	3.040	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	1.00	63.702	51.384	16.00	27.00	49.00	84.00	131.00	3.165	74.447	61.985	18.00	31.00	56.00	99.00	154.00
0.10	2.989	0.2591572	0.0188247	0.80	1.00	17.017	9.293	8.00	10.00	15.00	21.00	29.00	3.165	18.170	9.969	8.00	11.00	16.00	23.00	31.00
0.10	2.989	0.2591572	0.0188247	0.70	1.00	8.888	3.392	5.00	6.00	8.00	11.00	13.00	3.165	9.372	3.618	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	1.00	5.960	1.779	4.00	5.00	6.00	7.00	8.00	3.165	6.198	1.821	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	1.00	4.468	1.101	3.00	4.00	4.00	5.00	6.00	3.165	4.665	1.123	3.00	4.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.00	1.00	371.785	363.854	44.00	112.00	262.50	511.00	842.10	3.290	500.964	488.821	57.00	150.00	353.00	703.00	1142.00
0.15	3.117	0.3219652	0.0288123	1.10	1.00	67.264	59.879	13.00	24.00	49.00	92.00	146.00	3.290	79.780	73.469	15.00	28.75	58.00	106.00	174.00
0.15	3.117	0.3219652	0.0288123	1.20	1.00	20.200	14.459	7.00	10.00	16.00	26.00	39.00	3.290	21.944	15.673	7.00	11.00	17.00	28.00	43.00
0.15	3.117	0.3219652	0.0288123	1.30	1.00	10.378	5.648	5.00	6.00	9.00	13.00	18.00	3.290	11.151	6.225	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	1.00	6.930	3.102	4.00	5.00											

0.15	3.117	0.3219652	0.0288123	0.80	1.00	18.015	11.504	7.00	10.00	15.00	23.00	33.00	3.290	20.008	13.065	8.00	11.00	17.00	25.00	37.00
0.15	3.117	0.3219652	0.0288123	0.70	1.00	8.617	3.889	5.00	6.00	8.00	10.00	14.00	3.290	9.100	4.096	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	1.00	5.486	1.882	3.00	4.00	5.00	6.00	8.00	3.290	5.776	1.981	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	1.00	4.036	1.089	3.00	3.00	4.00	5.00	5.00	3.290	4.202	1.137	3.00	3.00	4.00	5.00	6.00
Case 4																				
$\phi=31$																				
0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.431	354.684	54.00	118.00	261.00	511.00	821.10	2.898	500.250	473.620	68.00	158.00	352.00	690.00	1129.10
0.05	2.704	0.1807397	0.0092360	1.10	1.00	100.546	83.409	24.00	42.00	76.00	133.00	208.00	2.898	118.349	100.357	28.00	48.00	88.50	157.00	250.10
0.05	2.704	0.1807397	0.0092360	1.20	1.00	38.008	24.350	14.00	21.00	32.00	48.00	70.00	2.898	41.652	26.874	15.00	23.00	35.00	53.00	76.00
0.05	2.704	0.1807397	0.0092360	1.30	1.00	21.785	11.136	10.00	14.00	19.00	27.00	37.00	2.898	23.379	12.003	11.00	15.00	21.00	29.00	39.00
0.05	2.704	0.1807397	0.0092360	1.40	1.00	15.230	6.577	8.00	11.00	14.00	19.00	24.00	2.898	16.130	7.104	9.00	11.00	15.00	20.00	25.00
0.05	2.704	0.1807397	0.0092360	0.90	1.00	108.327	90.110	28.00	45.00	81.00	142.00	224.00	2.898	129.345	107.570	33.00	53.00	97.00	173.00	272.00
0.05	2.704	0.1807397	0.0092360	0.80	1.00	33.999	19.267	15.00	20.00	29.00	43.00	59.00	2.898	37.639	21.833	17.00	22.00	32.00	47.00	66.00
0.05	2.704	0.1807397	0.0092360	0.70	1.00	18.402	7.690	10.00	13.00	17.00	22.00	28.00	2.898	19.528	8.189	11.00	14.00	18.00	23.00	30.00
0.05	2.704	0.1807397	0.0092360	0.60	1.00	12.249	4.013	8.00	9.00	11.50	14.00	18.00	2.898	12.768	4.096	8.00	10.00	12.00	15.00	18.00
0.05	2.704	0.1807397	0.0092360	0.50	1.00	9.094	2.408	6.00	7.00	9.00	10.00	12.00	2.898	9.525	2.493	7.00	8.00	9.00	11.00	13.00
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.488	362.731	45.00	111.75	259.00	513.00	849.00	3.165	500.660	496.742	62.00	151.00	350.00	680.25	1146.10
0.10	2.992	0.2594297	0.0188990	1.10	1.00	112.876	101.901	20.00	40.00	82.00	154.00	246.00	3.165	138.097	129.040	23.00	47.00	99.00	188.00	301.00
0.10	2.992	0.2594297	0.0188990	1.20	1.00	40.774	31.588	12.00	18.00	32.00	53.00	83.00	3.165	46.338	36.648	13.00	21.00	36.00	61.00	94.00
0.10	2.992	0.2594297	0.0188990	1.30	1.00	21.870	14.318	8.00	12.00	18.00	28.00	40.00	3.165	23.463	15.312	9.00	13.00	19.00	30.00	43.00
0.10	2.992	0.2594297	0.0188990	1.40	1.00	14.135	7.620	6.00	9.00	12.00	18.00	24.00	3.165	15.204	8.391	7.00	9.00	13.00	19.00	26.00
0.10	2.992	0.2594297	0.0188990	0.90	1.00	159.405	145.433	28.00	56.00	116.00	217.00	347.10	3.165	202.965	189.170	33.00	67.00	145.00	275.00	451.00
0.10	2.992	0.2594297	0.0188990	0.80	1.00	40.533	29.203	14.00	20.00	32.00	52.00	78.00	3.165	46.553	35.065	14.00	22.00	36.00	60.00	92.00
0.10	2.992	0.2594297	0.0188990	0.70	1.00	18.140	9.774	9.00	11.00	16.00	22.00	31.00	3.165	19.511	10.842	9.00	12.00	17.00	24.00	34.00
0.10	2.992	0.2594297	0.0188990	0.60	1.00	11.072	4.548	6.00	8.00	10.00	13.00	17.00	3.165	11.763	4.815	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	1.00	7.882	2.554	5.00	6.00	7.00	9.00	11.00	3.165	8.284	2.681	5.00	6.00	8.00	10.00	12.00
0.15	3.138	0.3220597	0.0288483	1.00	1.00	370.824	363.596	44.00	108.00	259.00	518.00	850.00	3.299	500.344	494.834	56.90	145.00	341.00	706.00	1147.00
0.15	3.138	0.3220597	0.0288483	1.10	1.00	123.581	117.522	19.00	41.00	88.00	167.00	276.10	3.299	148.208	139.877	22.00	47.00	106.00	203.00	333.00
0.15	3.138	0.3220597	0.0288483	1.20	1.00	46.086	39.288	11.00	18.00	35.00	61.00	97.00	3.299	52.803	45.939	12.00	21.00	39.00	70.00	113.00
0.15	3.138	0.3220597	0.0288483	1.30	1.00	23.034	17.160	7.00	11.00	18.00	30.00	45.00	3.299	25.393	19.301	8.00	12.00	20.00	33.00	50.00
0.15	3.138	0.3220597	0.0288483	1.40	1.00	14.374	9.130	6.00	8.00	12.00	18.00	26.00	3.299	15.523	9.936	6.00	9.00	13.00	20.00	28.00
0.15	3.138	0.3220597	0.0288483	0.90	1.00	225.198	215.012	32.00	72.00	159.50	308.00	505.10	3.299	309.139	299.179	39.00	93.75	218.00	430.00	698.00
0.15	3.138	0.3220597	0.0288483	0.80	1.00	53.838	45.852	13.00	22.00	40.00	72.00	112.00	3.299	62.829	53.581	14.00	25.00	47.00	83.00	134.00
0.15	3.138	0.3220597	0.0288483	0.70	1.00	20.498	13.233	8.00	11.00	17.00	26.00	38.00	3.299	22.194	14.635	8.00	12.00	18.00	28.00	41.00
0.15	3.138	0.3220597	0.0288483	0.60	1.00	11.151	5.482	6.00	7.00	10.00	13.00	18.00	3.299	11.897	5.776	6.00	8.00	11.00	15.00	20.00
0.15	3.138	0.3220597	0.0288483	0.50	1.00	7.468	2.825	5.00	5.00	7.00	9.00	11.00	3.299	7.859	2.983	5.00	6.00	7.00	9.00	12.00

TABLE S.6. ARL Results of the Max-EWMA control chart when pure shift occurs in the rate parameter of UNH distribution ($\Delta_\lambda \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\gamma = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_γ	Δ_λ	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1																				
$\phi=290$																				
					$ARL_0 = 370$										$ARL_0 = 500$					
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.125	351.717	53.00	117.00	263.00	512.25	821.00	2.887	500.934	478.084	67.00	160.00	356.00	695.00	1128.00
0.05	2.687	0.1808245	0.0092612	1.00	1.10	294.943	275.383	48.00	98.00	212.00	402.00	655.10	2.887	406.950	387.459	61.00	133.00	287.00	555.00	923.10
0.05	2.687	0.1808245	0.0092612	1.00	1.20	168.570	147.302	36.00	64.00	123.00	227.00	358.10	2.887	215.841	191.235	44.00	80.00	159.00	292.00	464.10
0.05	2.687	0.1808245	0.0092612	1.00	1.30	101.895	80.189	29.00	45.00	78.00	134.00	208.00	2.887	120.936	96.465	32.00	53.00	92.00	158.00	250.10
0.05	2.687	0.1808245	0.0092612	1.00	1.40	68.045	48.032	24.00	35.00	55.00	86.00	129.00	2.887	79.867	57.705	27.00	40.00	63.00	102.00	154.00
0.05	2.687	0.1808245	0.0092612	1.00	0.90	196.312	178.978	35.00	69.00	142.00	266.00	424.00	2.887	247.312	229.273	41.00	85.00	177.00	338.00	546.00
0.05	2.687	0.1808245	0.0092612	1.00	0.80	82.338	67.122	21.00	35.00	62.00	109.00	171.00	2.887	98.027	81.735	24.00	41.00	75.00	129.25	202.10
0.05	2.687	0.1808245	0.0092612	1.00	0.70	42.356	29.669	15.00	22.00	34.00	54.00	80.00	2.887	47.343	33.509	16.00	24.00	38.00	61.00	91.00
0.05	2.687	0.1808245	0.0092612	1.00	0.60	25.197	14.982	11.00	15.00	21.00	32.00	45.00	2.887	27.133	16.063	11.00	16.00	23.00	34.00	48.00
0.05	2.687	0.1808245	0.0092612	1.00	0.50	16.688	8.497	8.00	11.00	15.00	21.00	28.00	2.887	17.649	8.883	9.00	11.00	16.00	22.00	29.00
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.022	359.925	45.00	111.00	256.50	507.00	845.00	3.162	501.845	494.182	65.00	154.00	350.00	700.00	1126.00

0.10	2.988	0.2588680	0.0188363	1.00	1.10	374.510	363.947	48.00	119.00	266.00	513.00	851.00	3.162	526.757	517.628	65.00	159.00	368.00	724.00	1209.10	
0.10	2.988	0.2588680	0.0188363	1.00	1.20	269.127	260.030	39.00	87.00	189.00	365.00	605.10	3.162	371.321	359.274	52.00	116.00	262.00	514.25	834.00	
0.10	2.988	0.2588680	0.0188363	1.00	1.30	173.792	158.114	31.00	59.00	125.00	238.00	376.10	3.162	228.755	213.410	38.90	77.00	163.00	309.00	502.10	
0.10	2.988	0.2588680	0.0188363	1.00	1.40	111.925	96.556	24.00	43.00	84.00	149.00	237.00	3.162	145.887	130.009	28.00	52.00	107.00	196.25	318.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.90	203.425	192.312	30.00	66.00	144.00	280.00	457.00	3.162	259.390	245.912	36.00	81.00	186.00	357.00	581.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.80	90.199	80.745	18.00	33.00	66.00	121.00	193.00	3.162	109.170	101.345	20.00	38.00	78.00	147.00	238.10	
0.10	2.988	0.2588680	0.0188363	1.00	0.70	43.822	35.625	12.00	19.00	33.00	57.00	90.00	3.162	49.423	40.097	13.00	21.00	37.00	65.00	104.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.60	24.508	17.197	8.00	12.00	20.00	32.00	47.00	3.162	26.404	18.461	9.00	13.00	21.00	34.00	51.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.50	15.243	9.270	6.00	9.00	13.00	19.00	27.00	3.162	16.274	9.817	7.00	9.00	14.00	21.00	29.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.360	360.606	44.00	110.00	260.00	512.00	851.00	3.267	500.683	496.854	56.00	149.00	351.00	691.00	1143.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.10	430.106	414.059	52.00	132.00	301.00	598.00	981.00	3.267	613.382	608.870	72.00	185.00	423.00	839.25	1390.10	
0.15	3.105	0.3220389	0.0289256	1.00	1.20	377.350	373.597	48.00	114.00	261.00	519.00	854.00	3.267	534.285	528.118	62.00	158.00	376.00	739.00	1220.10	
0.15	3.105	0.3220389	0.0289256	1.00	1.30	278.518	269.726	38.00	87.00	195.00	383.00	624.00	3.267	389.204	387.257	50.00	118.00	269.00	530.00	886.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.40	194.508	186.441	30.00	63.00	136.00	265.00	431.00	3.267	270.591	253.414	39.00	87.00	194.00	375.00	612.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.90	210.726	202.355	29.00	67.00	150.00	289.00	476.00	3.267	270.241	262.665	34.00	83.00	189.00	373.00	612.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.80	97.757	90.230	16.00	33.00	69.00	133.00	215.00	3.267	118.530	111.156	19.00	40.00	85.00	160.00	262.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.70	46.094	39.425	11.00	18.00	34.00	61.25	98.00	3.267	53.029	45.263	11.00	20.00	39.00	73.00	113.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.60	24.791	19.333	7.00	11.00	19.00	32.00	50.00	3.267	27.591	21.669	8.00	12.00	21.00	36.00	56.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.50	15.027	10.268	5.00	8.00	12.00	19.00	28.00	3.267	16.110	11.012	6.00	8.00	13.00	21.00	31.00	
Case 2																					
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0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.630	356.051	53.00	119.00	262.00	511.00	851.00	2.888	500.861	488.895	67.00	161.00	354.50	683.00	1124.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.10	303.874	281.476	48.00	101.00	218.00	418.00	681.00	2.888	409.900	399.677	63.00	132.00	289.00	552.25	917.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.20	170.846	153.220	36.00	64.00	125.00	228.00	365.00	2.888	216.777	192.915	43.00	80.00	158.00	291.25	471.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.30	103.183	81.461	29.00	45.00	79.00	135.00	209.00	2.888	123.267	99.342	33.00	53.00	94.50	162.00	253.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.40	68.715	47.744	24.00	35.00	56.00	88.00	130.00	2.888	79.156	56.510	27.00	40.00	63.00	101.00	152.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.90	197.937	181.975	35.00	69.00	143.00	267.00	430.10	2.888	243.103	224.773	43.00	84.00	175.00	326.00	537.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.80	83.549	68.474	21.00	35.00	63.00	110.00	173.00	2.888	97.781	80.804	25.00	42.00	74.00	127.00	203.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.70	42.527	29.782	15.00	22.00	34.00	55.00	80.00	2.888	46.960	32.861	16.00	24.00	38.00	60.00	90.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.60	25.171	14.719	11.00	15.00	22.00	32.00	44.00	2.888	27.078	15.556	11.00	16.00	23.00	34.00	48.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.50	16.764	8.503	8.00	11.00	15.00	21.00	28.00	2.888	17.928	9.035	9.00	12.00	16.00	22.00	29.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.596	361.021	48.00	115.00	262.00	510.25	838.00	3.164	500.156	491.339	61.00	150.00	348.00	686.00	1147.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.10	384.682	370.358	49.00	117.00	273.00	537.00	861.00	3.164	528.167	522.843	70.90	164.00	372.00	711.00	1207.10	
0.10	2.990	0.2591099	0.0188559	1.00	1.20	264.132	251.979	39.00	85.00	190.00	359.00	588.00	3.164	367.726	351.873	51.00	117.00	262.00	503.00	826.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.30	172.290	156.847	31.00	61.00	125.00	233.00	378.00	3.164	231.418	215.889	37.00	76.00	167.00	318.00	507.10	
0.10	2.990	0.2591099	0.0188559	1.00	1.40	114.412	101.518	25.00	44.00	83.00	152.00	244.00	3.164	144.128	130.460	28.00	52.00	105.00	192.00	312.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.90	203.035	192.076	30.00	67.00	144.00	278.00	456.10	3.164	260.807	254.876	35.00	80.00	183.00	361.00	592.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.80	91.975	81.483	18.00	33.00	67.00	125.00	200.00	3.164	109.460	99.400	20.00	40.00	79.00	147.00	236.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.70	43.654	35.388	11.00	19.00	33.00	58.00	90.00	3.164	49.293	40.194	13.00	21.00	37.00	65.00	100.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.60	24.650	17.336	8.00	12.00	20.00	32.00	48.00	3.164	26.816	19.106	9.00	13.00	21.50	34.00	52.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.50	15.116	9.239	6.00	9.00	13.00	19.00	27.00	3.164	16.248	9.695	7.00	9.00	14.00	21.00	29.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.684	364.987	45.00	113.00	256.00	512.00	852.00	3.276	499.238	497.396	58.00	151.00	339.50	685.00	1141.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.10	427.352	423.147	52.00	129.00	303.00	588.00	970.10	3.276	594.871	586.660	69.00	175.00	416.00	816.00	1356.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.20	368.407	353.868	45.00	113.00	260.00	517.00	838.00	3.276	511.500	496.564	60.00	152.00	362.00	709.00	1160.20	
0.15	3.108	0.3218169	0.0287890	1.00	1.30	272.224	266.166	35.00	83.00	189.00	374.00	620.00	3.276	390.645	380.225	49.00	120.00	275.00	539.00	894.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.40	194.008	185.415	29.00	63.75	136.00	263.00	438.00	3.276	274.951	262.539	37.00	85.00	196.00	382.00	620.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.90	203.955	200.114	27.00	64.00	144.00	280.00	463.00	3.276	267.324	262.340	35.00	81.00	187.00	365.00	605.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.80	95.655	90.245	16.00	33.00	67.00	128.00	211.10	3.276	117.423	109.256	19.00	39.00	84.00	159.00	261.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.70	46.139	39.634	10.00	18.00	35.00	61.00	96.00	3.276	53.811	46.917	12.00	21.00	39.00	72.00	115.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.60	24.629	19.177	7.00	11.00	19.00	32.00	49.00	3.276	27.703	21.502	8.00	13.00	21.00	36.00	55.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.50	15.021	10.218	5.00	8.00	12.00	19.00	28.00	3.276	16.000	10.938	6.00	8.00	13.00	20.00	30.00	
Case 3																					
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0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.278	351.550	53.00	117.00	257.00	512.00	834.00	2.887	500.015	480.233	66.00	154.00	350.00	690.00	1114.10	
0.05	2.707	0.1806445	0.0092291	1.00	1.10	308.177	287.177	50.00	102.00	222.00	418.00	680.00	2.887	403.114	388.953	59.90	132.00	286.00	543.00	895.10	
0.05	2.707	0.1806445	0.0092291	1.00	1.20	172.600	150.841	37.00	65.00	127.00	232.00	370.00	2.887	214.126	193.334	43.00	77.00	154.00	287.00	464.00	
0.05	2.707	0.1806445	0.0092291	1.00	1.30	103.749	81.632	29.00	46.00	80.00	136.00	210.00	2.887	121.726	97.725	33.					

0.05	2.707	0.1806445	0.0092291	1.00	0.60	25.480	14.859	11.00	15.00	22.00	32.00	46.00	2.887	27.162	16.232	11.00	16.00	23.00	34.00	48.00
0.05	2.707	0.1806445	0.0092291	1.00	0.50	16.622	8.438	8.00	11.00	15.00	21.00	28.00	2.887	17.791	8.949	9.00	11.00	16.00	22.00	29.00
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.285	363.063	47.00	111.00	257.00	509.00	827.00	3.165	500.538	486.596	61.00	147.00	346.00	720.00	1148.00
0.10	2.989	0.2591572	0.0188247	1.00	1.10	379.340	371.163	48.00	113.00	263.00	525.25	862.10	3.165	525.371	520.336	65.00	155.00	363.00	728.00	1211.10
0.10	2.989	0.2591572	0.0188247	1.00	1.20	271.409	258.897	40.00	89.00	192.50	374.00	601.10	3.165	374.388	359.911	51.00	118.00	261.00	516.00	841.00
0.10	2.989	0.2591572	0.0188247	1.00	1.30	172.600	157.441	31.00	60.00	125.00	234.00	382.10	3.165	228.966	210.025	38.00	79.00	166.00	314.00	496.10
0.10	2.989	0.2591572	0.0188247	1.00	1.40	112.607	98.914	24.00	43.00	83.00	151.00	239.00	3.165	146.189	129.794	30.00	53.00	108.00	198.00	314.10
0.10	2.989	0.2591572	0.0188247	1.00	0.90	204.554	194.000	30.00	65.00	147.00	281.00	454.00	3.165	261.181	250.471	38.00	83.00	186.00	355.00	588.00
0.10	2.989	0.2591572	0.0188247	1.00	0.80	92.217	83.156	18.00	34.00	67.00	124.00	201.00	3.165	108.080	98.273	20.00	38.00	78.00	145.00	236.00
0.10	2.989	0.2591572	0.0188247	1.00	0.70	43.313	34.952	12.00	19.00	33.00	57.00	88.00	3.165	49.553	40.730	13.00	21.00	38.00	65.00	101.00
0.10	2.989	0.2591572	0.0188247	1.00	0.60	24.225	16.823	8.00	12.00	20.00	31.00	46.00	3.165	26.509	18.900	9.00	13.00	21.00	34.00	51.00
0.10	2.989	0.2591572	0.0188247	1.00	0.50	15.289	9.213	6.00	9.00	13.00	19.00	27.00	3.165	16.448	10.103	7.00	9.00	14.00	21.00	30.00
0.15	3.117	0.3219652	0.0288123	1.00	1.00	371.785	363.854	44.00	112.00	262.50	511.00	842.10	3.290	500.964	488.821	57.00	150.00	353.00	703.00	1142.00
0.15	3.117	0.3219652	0.0288123	1.00	1.10	426.393	419.958	50.00	127.00	299.00	587.25	963.10	3.290	613.205	603.415	73.00	186.00	432.00	840.00	1402.00
0.15	3.117	0.3219652	0.0288123	1.00	1.20	366.838	366.216	45.00	111.00	252.00	504.00	839.10	3.290	537.110	523.931	60.90	159.00	377.00	749.00	1226.00
0.15	3.117	0.3219652	0.0288123	1.00	1.30	281.206	272.333	38.00	89.00	198.00	385.00	633.00	3.290	396.937	390.806	52.00	123.00	280.00	537.00	893.00
0.15	3.117	0.3219652	0.0288123	1.00	1.40	198.138	184.537	30.00	65.00	141.00	274.00	434.00	3.290	277.990	263.809	39.00	89.00	196.00	379.00	628.00
0.15	3.117	0.3219652	0.0288123	1.00	0.90	212.531	205.535	28.00	66.00	149.50	294.00	482.00	3.290	275.415	271.194	34.00	83.00	191.00	381.00	626.10
0.15	3.117	0.3219652	0.0288123	1.00	0.80	98.714	92.550	16.00	33.00	70.00	135.00	218.00	3.290	119.395	112.384	18.90	39.00	86.00	161.00	264.00
0.15	3.117	0.3219652	0.0288123	1.00	0.70	46.733	40.389	10.00	18.00	35.00	62.00	99.00	3.290	54.055	48.029	11.00	20.00	40.00	72.00	116.00
0.15	3.117	0.3219652	0.0288123	1.00	0.60	24.984	19.260	7.00	12.00	19.00	33.00	50.00	3.290	28.037	22.252	8.00	12.00	22.00	36.00	58.00
0.15	3.117	0.3219652	0.0288123	1.00	0.50	14.887	10.160	5.00	8.00	12.00	19.00	28.00	3.290	15.946	10.823	6.00	8.00	13.00	20.00	30.00

**Case 4
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0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.431	354.684	54.00	118.00	261.00	511.00	821.10	2.898	500.250	473.620	68.00	158.00	352.00	690.00	1129.10
0.05	2.704	0.1807397	0.0092360	1.00	1.10	301.984	282.105	48.00	103.00	216.00	408.00	667.00	2.898	408.661	387.105	64.00	136.00	294.00	550.00	907.10
0.05	2.704	0.1807397	0.0092360	1.00	1.20	176.874	154.790	38.00	68.00	130.50	238.00	379.00	2.898	216.626	189.441	44.00	81.00	159.00	295.00	464.00
0.05	2.704	0.1807397	0.0092360	1.00	1.30	104.442	83.151	30.00	46.00	79.00	139.00	213.00	2.898	123.527	97.744	33.00	53.00	95.00	164.00	256.00
0.05	2.704	0.1807397	0.0092360	1.00	1.40	69.378	47.946	24.00	36.00	56.00	89.00	131.00	2.898	79.943	56.900	27.00	39.00	64.00	104.00	154.00
0.05	2.704	0.1807397	0.0092360	1.00	0.90	197.785	183.616	35.00	68.00	141.00	269.00	436.10	2.898	244.876	223.332	42.00	85.00	177.00	335.00	538.00
0.05	2.704	0.1807397	0.0092360	1.00	0.80	83.505	67.482	21.00	35.00	65.00	111.00	172.00	2.898	97.452	79.500	24.00	41.00	74.00	129.00	201.00
0.05	2.704	0.1807397	0.0092360	1.00	0.70	43.103	29.969	15.00	22.00	35.00	54.00	82.00	2.898	47.175	33.228	16.00	24.00	38.00	61.00	91.00
0.05	2.704	0.1807397	0.0092360	1.00	0.60	25.521	14.896	11.00	15.00	22.00	32.00	45.00	2.898	27.302	15.985	11.00	16.00	24.00	34.00	48.00
0.05	2.704	0.1807397	0.0092360	1.00	0.50	16.798	8.548	8.00	11.00	15.00	21.00	28.00	2.898	18.064	9.149	9.00	11.00	16.00	22.00	30.00
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.488	362.731	45.00	111.75	259.00	513.00	849.00	3.165	500.660	496.742	62.00	151.00	350.00	680.25	1146.10
0.10	2.992	0.2594297	0.0188990	1.00	1.10	380.166	363.381	49.00	119.00	269.00	529.00	860.00	3.165	529.039	518.793	66.00	164.00	370.00	726.00	1200.00
0.10	2.992	0.2594297	0.0188990	1.00	1.20	271.166	260.337	39.00	85.75	194.00	369.00	606.00	3.165	369.257	355.880	51.00	115.00	261.00	508.00	836.00
0.10	2.992	0.2594297	0.0188990	1.00	1.30	175.345	163.944	30.00	59.00	125.00	239.00	394.00	3.165	229.966	211.001	38.00	78.00	165.00	316.00	516.00
0.10	2.992	0.2594297	0.0188990	1.00	1.40	115.250	101.546	24.00	43.00	84.00	155.00	251.10	3.165	145.516	132.407	29.00	53.00	106.00	194.00	314.00
0.10	2.992	0.2594297	0.0188990	1.00	0.90	208.268	200.435	32.00	68.00	145.00	286.00	473.00	3.165	260.249	251.282	36.00	80.00	182.00	359.00	590.10
0.10	2.992	0.2594297	0.0188990	1.00	0.80	92.233	83.986	17.00	32.00	67.00	124.00	203.00	3.165	109.656	100.804	20.00	39.00	79.00	150.00	240.00
0.10	2.992	0.2594297	0.0188990	1.00	0.70	44.135	35.454	12.00	19.00	34.00	58.00	91.00	3.165	49.482	40.556	13.00	21.00	37.00	65.00	103.00
0.10	2.992	0.2594297	0.0188990	1.00	0.60	24.816	17.549	8.00	12.00	20.00	32.00	48.00	3.165	26.643	19.056	9.00	13.00	21.00	34.00	52.00
0.10	2.992	0.2594297	0.0188990	1.00	0.50	15.150	9.068	6.00	9.00	13.00	19.00	27.00	3.165	16.422	10.039	7.00	9.00	14.00	21.00	30.00
0.15	3.138	0.3220597	0.0288483	1.00	1.00	370.824	363.596	44.00	108.00	259.00	518.00	850.00	3.299	500.344	494.834	56.90	145.00	341.00	706.00	1147.00
0.15	3.138	0.3220597	0.0288483	1.00	1.10	446.246	438.424	54.00	134.00	308.00	617.00	1028.10	3.299	591.946	586.603	71.00	179.00	411.00	811.00	1342.00
0.15	3.138	0.3220597	0.0288483	1.00	1.20	380.876	370.674	48.00	114.00	269.00	532.00	871.00	3.299	526.476	514.400	64.00	158.00	370.00	722.00	1197.00
0.15	3.138	0.3220597	0.0288483	1.00	1.30	281.518	269.412	36.00	87.75	199.00	394.00	631.00	3.299	395.303	386.066	50.00	120.00	280.00	544.25	903.10
0.15	3.138	0.3220597	0.0288483	1.00	1.40	204.023	195.605	30.00	65.00	144.00	276.00	465.10	3.299	285.009	271.519	41.00	91.00	203.00	393.25	638.00
0.15	3.138	0.3220597	0.0288483	1.00	0.90	216.624	213.140	28.00	67.00	151.00	300.00	496.00	3.299	274.475	262.748	36.00	85.00	196.00	374.00	631.00
0.15	3.138	0.3220597	0.0288483	1.00	0.80	101.768	95.896	17.00	34.00	72.00	139.00	224.00	3.299	121.522	114.240	19.00	40.00	86.00	164.00	274.00
0.15	3.138	0.3220597	0.0288483	1.00	0.70	47.408	41.361	10.00	18.00	35.00	63.00	101.00	3.299	54.737	47.697	12.00	21.00	40.00	74.00	117.00
0.15	3.138	0.3220597	0.0288483	1.00	0.60	25.117	19.225	7.00	12.00	19.00	33.00	51.00	3.299	27.881	22.314	8.00	12.00	21.00	36.00	56.00
0.15	3.138	0.3220597	0.0288483	1.00	0.50	15.105	10.124	6.00	8.00	12.00	19.00	28.00	3.299	16.187	10.933	6.00	8.00	13.00	21.00	30.00

TABLE S.7. ARL Results of the Max-EWMA control chart when simultaneous shift occurs in the shape1 parameter of beta distribution and rate parameter of UNH distribution ($\Delta_\gamma \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\lambda \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$ when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$ $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_γ	Δ_λ	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$								
													$ARL_0 = 370$								$ARL_0 = 500$							
Case 1																												
$\phi=290$																												
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.125	351.717	53.00	117.00	263.00	512.25	821.00	2.887	500.934	478.084	67.00	160.00	356.00	695.00	1128.00								
0.05	2.687	0.1808245	0.0092612	1.10	1.10	20.591	10.015	10.00	13.00	18.00	25.00	34.00	2.887	21.881	10.444	11.00	14.00	20.00	27.00	36.00								
0.05	2.687	0.1808245	0.0092612	1.20	1.10	8.786	2.818	6.00	7.00	8.00	10.00	12.10	2.887	9.095	2.835	6.00	7.00	9.00	11.00	13.00								
0.05	2.687	0.1808245	0.0092612	1.30	1.10	5.726	1.466	4.00	5.00	6.00	7.00	8.00	2.887	5.949	1.471	4.00	5.00	6.00	7.00	8.00								
0.05	2.687	0.1808245	0.0092612	1.40	1.10	4.310	0.951	3.00	4.00	4.00	5.00	6.00	2.887	4.512	0.995	3.00	4.00	4.00	5.00	6.00								
0.05	2.687	0.1808245	0.0092612	0.90	1.10	19.384	8.875	10.00	13.00	18.00	24.00	31.00	2.887	20.552	9.361	11.00	14.00	19.00	25.00	33.00								
0.05	2.687	0.1808245	0.0092612	0.80	1.10	7.933	2.269	5.00	6.00	8.00	9.00	11.00	2.887	8.306	2.279	6.00	7.00	8.00	10.00	11.00								
0.05	2.687	0.1808245	0.0092612	0.70	1.10	5.002	1.066	4.00	4.00	5.00	6.00	6.00	2.887	5.219	1.098	4.00	4.00	5.00	6.00	7.00								
0.05	2.687	0.1808245	0.0092612	0.60	1.10	3.676	0.660	3.00	3.00	4.00	4.00	4.00	2.887	3.826	0.682	3.00	3.00	4.00	4.00	5.00								
0.05	2.687	0.1808245	0.0092612	0.50	1.10	2.967	0.424	2.00	3.00	3.00	3.00	3.00	2.887	3.069	0.408	3.00	3.00	3.00	3.00	4.00								
0.05	2.687	0.1808245	0.0092612	1.10	1.20	20.420	9.740	10.00	13.00	18.00	25.00	33.00	2.887	21.823	10.314	11.00	14.00	20.00	27.00	36.00								
0.05	2.687	0.1808245	0.0092612	1.20	1.20	8.745	2.805	6.00	7.00	8.00	10.00	12.00	2.887	9.132	2.856	6.00	7.00	9.00	11.00	13.00								
0.05	2.687	0.1808245	0.0092612	1.30	1.20	5.721	1.466	4.00	5.00	6.00	7.00	8.00	2.887	5.954	1.488	4.00	5.00	6.00	7.00	8.00								
0.05	2.687	0.1808245	0.0092612	1.40	1.20	4.328	0.959	3.00	4.00	4.00	5.00	6.00	2.887	4.536	0.988	3.00	4.00	4.00	5.00	6.00								
0.05	2.687	0.1808245	0.0092612	0.90	1.20	19.353	8.606	10.00	13.00	18.00	24.00	31.00	2.887	20.582	9.185	11.00	14.00	19.00	25.00	33.00								
0.05	2.687	0.1808245	0.0092612	0.80	1.20	7.954	2.276	5.00	6.00	8.00	9.00	11.00	2.887	8.310	2.325	6.00	7.00	8.00	10.00	11.00								
0.05	2.687	0.1808245	0.0092612	0.70	1.20	4.996	1.073	4.00	4.00	5.00	6.00	6.00	2.887	5.218	1.101	4.00	4.00	5.00	6.00	7.00								
0.05	2.687	0.1808245	0.0092612	0.60	1.20	3.655	0.649	3.00	3.00	4.00	4.00	4.00	2.887	3.825	0.668	3.00	3.00	4.00	4.00	5.00								
0.05	2.687	0.1808245	0.0092612	0.50	1.20	2.975	0.418	3.00	3.00	3.00	3.00	3.00	2.887	3.064	0.411	3.00	3.00	3.00	3.00	4.00								
0.05	2.687	0.1808245	0.0092612	1.10	1.30	20.151	9.522	10.00	13.00	18.00	25.00	33.00	2.887	21.666	10.301	11.00	14.00	19.00	27.00	35.00								
0.05	2.687	0.1808245	0.0092612	1.20	1.30	8.739	2.812	6.00	7.00	8.00	10.00	12.00	2.887	9.187	2.911	6.00	7.00	9.00	11.00	13.00								
0.05	2.687	0.1808245	0.0092612	1.30	1.30	5.694	1.461	4.00	5.00	6.00	7.00	8.00	2.887	5.968	1.505	4.00	5.00	6.00	7.00	8.00								
0.05	2.687	0.1808245	0.0092612	1.40	1.30	4.327	0.954	3.00	4.00	4.00	5.00	6.00	2.887	4.501	0.977	3.00	4.00	4.00	5.00	6.00								
0.05	2.687	0.1808245	0.0092612	0.90	1.30	19.005	8.407	10.00	13.00	17.00	23.00	30.00	2.887	20.432	9.111	11.00	14.00	19.00	25.00	32.00								
0.05	2.687	0.1808245	0.0092612	0.80	1.30	7.913	2.223	5.00	6.00	8.00	9.00	11.00	2.887	8.316	2.310	6.00	7.00	8.00	10.00	11.00								
0.05	2.687	0.1808245	0.0092612	0.70	1.30	5.003	1.075	4.00	4.00	5.00	6.00	6.00	2.887	5.229	1.103	4.00	4.00	5.00	6.00	7.00								
0.05	2.687	0.1808245	0.0092612	0.60	1.30	3.678	0.648	3.00	3.00	4.00	4.00	4.00	2.887	3.829	0.680	3.00	3.00	4.00	4.00	5.00								
0.05	2.687	0.1808245	0.0092612	0.50	1.30	2.963	0.426	2.00	3.00	3.00	3.00	3.00	2.887	3.065	0.410	3.00	3.00	3.00	3.00	4.00								
0.05	2.687	0.1808245	0.0092612	1.10	1.40	19.614	9.037	10.00	13.00	18.00	24.00	31.00	2.887	21.293	9.816	11.00	14.00	19.00	26.00	34.00								
0.05	2.687	0.1808245	0.0092612	1.20	1.40	8.777	2.801	6.00	7.00	8.00	10.00	12.00	2.887	9.192	2.875	6.00	7.00	9.00	11.00	13.00								
0.05	2.687	0.1808245	0.0092612	1.30	1.40	5.718	1.477	4.00	5.00	6.00	7.00	8.00	2.887	5.952	1.498	4.00	5.00	6.00	7.00	8.00								
0.05	2.687	0.1808245	0.0092612	1.40	1.40	4.322	0.940	3.00	4.00	4.00	5.00	5.00	2.887	4.518	0.979	3.00	4.00	4.00	5.00	6.00								
0.05	2.687	0.1808245	0.0092612	0.90	1.40	18.789	8.203	10.00	13.00	17.00	23.00	30.00	2.887	19.985	8.611	11.00	14.00	18.00	24.00	31.00								
0.05	2.687	0.1808245	0.0092612	0.80	1.40	7.925	2.230	5.00	6.00	8.00	9.00	11.00	2.887	8.291	2.300	6.00	7.00	8.00	10.00	11.00								
0.05	2.687	0.1808245	0.0092612	0.70	1.40	4.999	1.065	4.00	4.00	5.00	6.00	6.00	2.887	5.222	1.090	4.00	4.00	5.00	6.00	7.00								
0.05	2.687	0.1808245	0.0092612	0.60	1.40	3.672	0.661	3.00	3.00	4.00	4.00	4.00	2.887	3.815	0.671	3.00	3.00	4.00	4.00	5.00								
0.05	2.687	0.1808245	0.0092612	0.50	1.40	2.968	0.429	2.00	3.00	3.00	3.00	3.00	2.887	3.068	0.414	3.00	3.00	3.00	3.00	4.00								
0.05	2.687	0.1808245	0.0092612	1.10	0.90	20.482	10.011	10.00	13.00	18.00	25.00	34.00	2.887	21.717	10.541	11.00	14.00	19.00	27.00	35.00								
0.05	2.687	0.1808245	0.0092612	1.20	0.90	8.790	2.805	6.00	7.00	8.00	10.00	12.00	2.887	9.251	2.926	6.00	7.00	9.00	11.00	13.00								
0.05	2.687	0.1808245	0.0092612	1.30	0.90	5.709	1.460	4.00	5.00	6.00	7.00	8.00	2.887	5.970	1.502	4.00	5.00	6.00	7.00	8.00								
0.05	2.687	0.1808245	0.0092612	1.40	0.90	4.321	0.950	3.00	4.00	4.00	5.00	6.00	2.887	4.526	0.986	3.00	4.00	4.00	5.00	6.00								
0.05	2.687	0.1808245	0.0092612	0.90	0.90	19.234	8.637	10.00	13.00	17.00	23.00	31.00	2.887	20.489	9.244	11.00	14.00	19.00	25.00	33.00								
0.05	2.687	0.1808245	0.0092612	0.80	0.90	7.947	2.210	5.00	6.00	8.00	9.00	11.00	2.887	8.336	2.286	6.00	7.00	8.00	10.00	11.00								
0.05	2.687	0.1808245	0.0092612	0.70	0.90	5.010	1.067	4.00	4.00	5.00	6.00	6.00	2.887	5.218	1.096	4.00	4.00	5.00	6.00	7.00								
0.05	2.687	0.1808245	0.0092612	0.60	0.90	3.660	0.661	3.00	3.00	4.00	4.00	4.00	2.887	3.821	0.681	3.00	3.00	4.00	4.00	5.00								
0.05	2.687	0.1808245	0.0092612	0.50	0.90	2.966	0.423	2.00	3.00	3.00	3.00	3.00	2.887	3.070	0.414	3.00	3.00	3.00	3.00	4.00								
0.05	2.687	0.1808245	0.0092612	1.10	0.80	19.600	9.358	10.00	13.00	18.00	24.00	32.00	2.887	21.067	9.930	11.00	14.00	19.00	26.00	34.00								

0.05	2.687	0.1808245	0.0092612	1.20	0.80	8.702	2.741	6.00	7.00	8.00	10.00	12.00	2.887	9.132	2.870	6.00	7.00	9.00	11.00	13.00
0.05	2.687	0.1808245	0.0092612	1.30	0.80	5.701	1.454	4.00	5.00	6.00	7.00	8.00	2.887	5.974	1.513	4.00	5.00	6.00	7.00	8.00
0.05	2.687	0.1808245	0.0092612	1.40	0.80	4.329	0.965	3.00	4.00	4.00	5.00	6.00	2.887	4.511	0.983	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.90	0.80	18.682	8.292	10.00	13.00	17.00	23.00	30.00	2.887	19.829	8.761	11.00	14.00	18.00	24.00	32.00
0.05	2.687	0.1808245	0.0092612	0.80	0.80	7.931	2.239	5.00	6.00	8.00	9.00	11.00	2.887	8.311	2.263	6.00	7.00	8.00	10.00	11.00
0.05	2.687	0.1808245	0.0092612	0.70	0.80	4.999	1.054	4.00	4.00	5.00	6.00	6.00	2.887	5.216	1.094	4.00	4.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.60	0.80	3.673	0.656	3.00	3.00	4.00	4.00	4.00	2.887	3.834	0.679	3.00	3.00	4.00	4.00	5.00
0.05	2.687	0.1808245	0.0092612	0.50	0.80	2.963	0.425	2.00	3.00	3.00	3.00	3.00	2.887	3.070	0.409	3.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	1.10	0.70	18.376	8.266	10.00	12.00	17.00	22.00	29.00	2.887	19.671	8.804	10.00	13.00	18.00	24.00	31.00
0.05	2.687	0.1808245	0.0092612	1.20	0.70	8.682	2.755	6.00	7.00	8.00	10.00	12.00	2.887	9.200	2.890	6.00	7.00	9.00	11.00	13.00
0.05	2.687	0.1808245	0.0092612	1.30	0.70	5.703	1.463	4.00	5.00	6.00	7.00	8.00	2.887	5.992	1.502	4.00	5.00	6.00	7.00	8.00
0.05	2.687	0.1808245	0.0092612	1.40	0.70	4.330	0.955	3.00	4.00	4.00	5.00	6.00	2.887	4.512	0.978	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.90	0.70	17.675	7.566	10.00	12.00	16.00	22.00	28.00	2.887	18.695	7.925	10.00	13.00	17.00	23.00	29.00
0.05	2.687	0.1808245	0.0092612	0.80	0.70	7.928	2.196	5.00	6.00	8.00	9.00	11.00	2.887	8.250	2.250	6.00	7.00	8.00	10.00	11.00
0.05	2.687	0.1808245	0.0092612	0.70	0.70	4.999	1.041	4.00	4.00	5.00	6.00	6.00	2.887	5.215	1.089	4.00	4.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.60	0.70	3.665	0.651	3.00	3.00	4.00	4.00	4.00	2.887	3.821	0.674	3.00	3.00	4.00	4.00	5.00
0.05	2.687	0.1808245	0.0092612	0.50	0.70	2.968	0.425	2.00	3.00	3.00	3.00	3.00	2.887	3.062	0.412	3.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	1.10	0.60	16.238	6.914	9.00	11.00	15.00	20.00	25.00	2.887	17.364	7.302	9.00	12.00	16.00	21.00	27.00
0.05	2.687	0.1808245	0.0092612	1.20	0.60	8.595	2.645	6.00	7.00	8.00	10.00	12.00	2.887	9.046	2.776	6.00	7.00	9.00	11.00	13.00
0.05	2.687	0.1808245	0.0092612	1.30	0.60	5.714	1.441	4.00	5.00	6.00	7.00	8.00	2.887	5.925	1.471	4.00	5.00	6.00	7.00	8.00
0.05	2.687	0.1808245	0.0092612	1.40	0.60	4.334	0.960	3.00	4.00	4.00	5.00	6.00	2.887	4.510	0.980	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.90	0.60	15.665	6.374	9.00	11.00	14.00	19.00	24.00	2.887	16.874	6.865	9.00	12.00	16.00	20.00	26.00
0.05	2.687	0.1808245	0.0092612	0.80	0.60	7.824	2.121	5.00	6.00	8.00	9.00	11.00	2.887	8.219	2.209	6.00	7.00	8.00	9.00	11.00
0.05	2.687	0.1808245	0.0092612	0.70	0.60	4.994	1.053	4.00	4.00	5.00	6.00	6.00	2.887	5.213	1.084	4.00	4.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.60	0.60	3.668	0.652	3.00	3.00	4.00	4.00	4.00	2.887	3.813	0.675	3.00	3.00	4.00	4.00	5.00
0.05	2.687	0.1808245	0.0092612	0.50	0.60	2.967	0.423	2.00	3.00	3.00	3.00	3.00	2.887	3.072	0.411	3.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	1.10	0.50	13.530	5.398	8.00	10.00	13.00	16.00	21.00	2.887	14.494	5.839	8.00	10.00	13.00	18.00	22.00
0.05	2.687	0.1808245	0.0092612	1.20	0.50	8.369	2.502	6.00	7.00	8.00	10.00	12.00	2.887	8.775	2.601	6.00	7.00	8.00	10.00	12.00
0.05	2.687	0.1808245	0.0092612	1.30	0.50	5.679	1.438	4.00	5.00	6.00	7.00	8.00	2.887	5.932	1.473	4.00	5.00	6.00	7.00	8.00
0.05	2.687	0.1808245	0.0092612	1.40	0.50	4.338	0.957	3.00	4.00	4.00	5.00	6.00	2.887	4.502	0.970	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.90	0.50	13.332	5.176	8.00	10.00	12.00	16.00	20.00	2.887	14.241	5.484	8.00	10.00	13.00	17.00	22.00
0.05	2.687	0.1808245	0.0092612	0.80	0.50	7.726	2.093	5.00	6.00	7.00	9.00	10.00	2.887	8.065	2.140	6.00	7.00	8.00	9.00	11.00
0.05	2.687	0.1808245	0.0092612	0.70	0.50	4.965	1.030	4.00	4.00	5.00	6.00	6.00	2.887	5.211	1.075	4.00	4.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.60	0.50	3.671	0.656	3.00	3.00	4.00	4.00	4.00	2.887	3.828	0.676	3.00	3.00	4.00	4.00	5.00
0.05	2.687	0.1808245	0.0092612	0.50	0.50	2.963	0.423	2.00	3.00	3.00	3.00	3.00	2.887	3.071	0.417	3.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.022	359.925	45.00	111.00	256.50	507.00	845.00	3.162	501.845	494.182	65.00	154.00	350.00	700.00	1126.00
0.10	2.988	0.2588680	0.0188363	1.10	1.10	20.357	12.578	8.00	11.00	17.00	26.00	37.00	3.162	21.500	13.250	9.00	12.00	18.00	27.00	39.00
0.10	2.988	0.2588680	0.0188363	1.20	1.10	7.458	2.885	4.00	5.00	7.00	9.00	11.00	3.162	7.865	3.025	5.00	6.00	7.00	9.25	12.00
0.10	2.988	0.2588680	0.0188363	1.30	1.10	4.707	1.414	3.00	4.00	5.00	5.00	7.00	3.162	4.910	1.462	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	1.10	3.545	0.912	3.00	3.00	3.00	4.00	5.00	3.162	3.650	0.928	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	1.10	19.074	11.200	8.00	11.00	16.00	24.00	34.00	3.162	20.404	12.014	9.00	12.00	17.00	25.00	36.00
0.10	2.988	0.2588680	0.0188363	0.80	1.10	6.750	2.309	4.00	5.00	6.00	8.00	10.00	3.162	7.064	2.432	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	1.10	4.114	1.035	3.00	3.00	4.00	5.00	5.00	3.162	4.255	1.060	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	1.10	2.997	0.629	2.00	3.00	3.00	3.00	4.00	3.162	3.095	0.633	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	1.10	2.315	0.474	2.00	2.00	2.00	3.00	3.00	3.162	2.397	0.504	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	1.20	20.067	12.120	8.00	12.00	17.00	25.00	36.00	3.162	21.787	13.540	9.00	12.00	18.00	27.00	40.00
0.10	2.988	0.2588680	0.0188363	1.20	1.20	7.538	2.952	4.00	5.00	7.00	9.00	11.00	3.162	7.926	3.071	5.00	6.00	7.00	10.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	1.20	4.726	1.395	3.00	4.00	5.00	6.00	7.00	3.162	4.925	1.492	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	1.20	3.539	0.912	3.00	3.00	3.00	4.00	5.00	3.162	3.652	0.934	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	1.20	19.035	11.049	8.00	11.00	16.00	24.00	33.00	3.162	20.531	11.972	9.00	12.00	18.00	26.00	36.00
0.10	2.988	0.2588680	0.0188363	0.80	1.20	6.721	2.281	4.00	5.00	6.00	8.00	10.00	3.162	7.061	2.424	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	1.20	4.108	1.038	3.00	3.00	4.00	5.00	5.00	3.162	4.265	1.076	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	1.20	2.991	0.632	2.00	3.00	3.00	3.00	4.00	3.162	3.080	0.624	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	1.20	2.320	0.477	2.00	2.00	2.00	3.00	3.00	3.162	2.401	0.508	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	1.30	19.889	12.113	8.00	11.00	17.00	25.00	36.00	3.162	21.569	13.458	9.00	12.00	18.00	27.00	39.00
0.10	2.988	0.2588680	0.0188363	1.20	1.30	7.538	2.969	4.00	5.00	7.00	9.00	11.00	3.162	7.915	3.019	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	1.30	4.722	1.431	3.00	4.00	5.00	5.00	7.00	3.162	4.892	1.452	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	1.30	3.543	0.919	3.00	3.00	3.00	4.00	5.00	3.162	3.654	0.923	3.00	3.00</			

0.10	2.988	0.2588680	0.0188363	0.50	1.30	2.323	0.480	2.00	2.00	2.00	3.00	3.00	3.162	2.400	0.505	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	1.40	19.717	11.777	8.00	11.00	17.00	25.00	35.00	3.162	21.364	12.944	9.00	12.00	18.00	27.00	38.00
0.10	2.988	0.2588680	0.0188363	1.20	1.40	7.513	2.915	4.00	5.00	7.00	9.00	11.00	3.162	7.861	3.053	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	1.40	4.724	1.430	3.00	4.00	5.00	6.00	7.00	3.162	4.918	1.478	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	1.40	3.530	0.910	3.00	3.00	3.00	4.00	5.00	3.162	3.664	0.928	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	1.40	18.635	10.482	8.00	11.00	16.00	23.00	32.00	3.162	20.250	11.633	9.00	12.00	17.00	25.00	35.00
0.10	2.988	0.2588680	0.0188363	0.80	1.40	6.765	2.319	4.00	5.00	6.00	8.00	10.00	3.162	7.061	2.408	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	1.40	4.100	1.014	3.00	3.00	4.00	5.00	5.00	3.162	4.258	1.052	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	1.40	2.985	0.619	2.00	3.00	3.00	3.00	4.00	3.162	3.096	0.628	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	1.40	2.319	0.473	2.00	2.00	2.00	3.00	3.00	3.162	2.386	0.499	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	0.90	20.026	12.370	8.00	11.00	17.00	25.00	36.00	3.162	21.735	13.354	9.00	12.00	18.00	27.00	39.00
0.10	2.988	0.2588680	0.0188363	1.20	0.90	7.531	2.930	4.00	5.00	7.00	9.00	11.00	3.162	7.926	3.055	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	0.90	4.724	1.434	3.00	4.00	5.00	5.00	7.00	3.162	4.918	1.467	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	0.90	3.524	0.913	3.00	3.00	3.00	4.00	5.00	3.162	3.654	0.938	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	0.90	18.986	11.014	8.00	11.00	16.00	24.00	33.00	3.162	20.487	12.136	9.00	12.00	17.00	26.00	36.00
0.10	2.988	0.2588680	0.0188363	0.80	0.90	6.752	2.308	4.00	5.00	6.00	8.00	10.00	3.162	7.086	2.422	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	0.90	4.102	1.033	3.00	3.00	4.00	5.00	5.00	3.162	4.245	1.060	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	0.90	2.989	0.635	2.00	3.00	3.00	3.00	4.00	3.162	3.095	0.625	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	0.90	2.316	0.475	2.00	2.00	2.00	3.00	3.00	3.162	2.385	0.500	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	0.80	19.309	11.794	8.00	11.00	16.00	24.00	35.00	3.162	20.447	12.207	8.00	12.00	17.00	26.00	37.00
0.10	2.988	0.2588680	0.0188363	1.20	0.80	7.550	2.967	4.00	5.00	7.00	9.00	11.00	3.162	7.904	3.119	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	0.80	4.754	1.444	3.00	4.00	5.00	6.00	7.00	3.162	4.929	1.486	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	0.80	3.526	0.910	3.00	3.00	3.00	4.00	5.00	3.162	3.671	0.948	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	0.80	18.162	10.460	8.00	11.00	16.00	23.00	31.00	3.162	19.468	11.227	8.00	12.00	17.00	24.00	34.00
0.10	2.988	0.2588680	0.0188363	0.80	0.80	6.705	2.287	4.00	5.00	6.00	8.00	10.00	3.162	7.023	2.367	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	0.80	4.108	1.034	3.00	3.00	4.00	5.00	5.00	3.162	4.259	1.052	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	0.80	2.985	0.628	2.00	3.00	3.00	3.00	4.00	3.162	3.090	0.623	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	0.80	2.315	0.474	2.00	2.00	2.00	3.00	3.00	3.162	2.397	0.503	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	0.70	17.352	10.026	7.00	10.00	15.00	22.00	30.00	3.162	18.814	10.836	8.00	11.00	16.00	23.00	33.00
0.10	2.988	0.2588680	0.0188363	1.20	0.70	7.486	2.882	4.00	5.00	7.00	9.00	11.00	3.162	7.785	2.978	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	0.70	4.720	1.413	3.00	4.00	5.00	5.00	7.00	3.162	4.885	1.462	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	0.70	3.528	0.916	3.00	3.00	3.00	4.00	5.00	3.162	3.662	0.938	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	0.70	16.595	8.945	8.00	10.00	14.00	21.00	28.00	3.162	17.836	9.784	8.00	11.00	15.00	22.00	31.00
0.10	2.988	0.2588680	0.0188363	0.80	0.70	6.697	2.249	4.00	5.00	6.00	8.00	10.00	3.162	7.012	2.344	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	0.70	4.086	1.023	3.00	3.00	4.00	5.00	5.00	3.162	4.259	1.046	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	0.70	2.992	0.625	2.00	3.00	3.00	3.00	4.00	3.162	3.094	0.630	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	0.70	2.322	0.478	2.00	2.00	2.00	3.00	3.00	3.162	2.395	0.504	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	0.60	14.712	7.912	7.00	9.00	13.00	18.00	25.00	3.162	15.881	8.676	7.00	10.00	14.00	20.00	27.00
0.10	2.988	0.2588680	0.0188363	1.20	0.60	7.290	2.690	4.00	5.00	7.00	9.00	11.00	3.162	7.742	2.906	5.00	6.00	7.00	9.00	12.00
0.10	2.988	0.2588680	0.0188363	1.30	0.60	4.707	1.402	3.00	4.00	5.00	5.00	7.00	3.162	4.897	1.450	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	0.60	3.531	0.909	3.00	3.00	3.00	4.00	5.00	3.162	3.655	0.942	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	0.60	14.416	7.355	7.00	9.00	13.00	18.00	24.00	3.162	15.341	7.954	7.00	10.00	13.00	19.00	26.00
0.10	2.988	0.2588680	0.0188363	0.80	0.60	6.620	2.198	4.00	5.00	6.00	8.00	9.00	3.162	6.935	2.279	4.00	5.00	7.00	8.00	10.00
0.10	2.988	0.2588680	0.0188363	0.70	0.60	4.096	1.025	3.00	3.00	4.00	5.00	5.00	3.162	4.254	1.057	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	0.60	2.985	0.629	2.00	3.00	3.00	3.00	4.00	3.162	3.089	0.630	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	0.60	2.310	0.473	2.00	2.00	2.00	3.00	3.00	3.162	2.407	0.506	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	1.10	0.50	11.966	6.006	6.00	8.00	11.00	15.00	20.00	3.162	12.723	6.385	6.00	8.00	11.00	16.00	21.00
0.10	2.988	0.2588680	0.0188363	1.20	0.50	6.994	2.477	4.00	5.00	7.00	8.00	10.00	3.162	7.386	2.678	4.00	5.00	7.00	9.00	11.00
0.10	2.988	0.2588680	0.0188363	1.30	0.50	4.672	1.379	3.00	4.00	4.00	5.00	6.00	3.162	4.886	1.449	3.00	4.00	5.00	6.00	7.00
0.10	2.988	0.2588680	0.0188363	1.40	0.50	3.542	0.918	3.00	3.00	3.00	4.00	5.00	3.162	3.657	0.920	3.00	3.00	4.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.90	0.50	11.729	5.608	6.00	8.00	11.00	15.00	19.00	3.162	12.510	5.983	6.00	8.00	11.00	15.00	20.00
0.10	2.988	0.2588680	0.0188363	0.80	0.50	6.472	2.096	4.00	5.00	6.00	8.00	9.00	3.162	6.734	2.134	4.00	5.00	6.00	8.00	9.10
0.10	2.988	0.2588680	0.0188363	0.70	0.50	4.082	1.020	3.00	3.00	4.00	5.00	5.00	3.162	4.231	1.039	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.60	0.50	2.982	0.624	2.00	3.00	3.00	3.00	4.00	3.162	3.088	0.618	2.00	3.00	3.00	3.00	4.00
0.10	2.988	0.2588680	0.0188363	0.50	0.50	2.306	0.470	2.00	2.00	2.00	3.00	3.00	3.162	2.389	0.502	2.00	2.00	2.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.360	360.606	44.00	110.00	260.00	512.00	851.00	3.267	500.683	496.854	56.00	149.00	351.00	691.00	1143.00
0.15	3.105	0.3220389	0.0289256	1.10	1.10	21.345	15.192	7.00	11.00	17.00	27.00	41.00	3.267	23.568	17.111	8.00	12.00	19.00	30.00	46.00
0.15	3.105	0.3220389	0.0289256	1.20	1.10	7.160	3.264	4.00	5.00	6.00	9.00	11.00	3.267	7.466	3.397	4.00	5.00	7.00		

0.15	3.105	0.3220389	0.0289256	0.70	1.10	3.695	1.060	3.00	3.00	4.00	4.00	5.00	3.267	3.800	1.055	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	1.10	2.621	0.627	2.00	2.00	3.00	3.00	3.00	3.267	2.699	0.634	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.10	2.103	0.325	2.00	2.00	2.00	2.00	3.00	3.267	2.140	0.356	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	1.20	21.352	15.256	7.00	11.00	17.00	27.00	42.00	3.267	23.967	17.621	8.00	12.00	19.00	31.00	46.00
0.15	3.105	0.3220389	0.0289256	1.20	1.20	7.103	3.194	4.00	5.00	6.00	9.00	11.00	3.267	7.404	3.279	4.00	5.00	7.00	9.00	12.00
0.15	3.105	0.3220389	0.0289256	1.30	1.20	4.310	1.483	3.00	3.00	4.00	5.00	6.00	3.267	4.456	1.535	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	1.20	3.161	0.916	2.00	3.00	3.00	4.00	4.00	3.267	3.253	0.918	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	1.20	20.606	13.872	7.00	11.00	17.00	26.00	39.00	3.267	22.539	15.750	8.00	12.00	18.00	29.00	43.00
0.15	3.105	0.3220389	0.0289256	0.80	1.20	6.289	2.482	4.00	5.00	6.00	8.00	10.00	3.267	6.606	2.619	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	1.20	3.674	1.039	3.00	3.00	4.00	4.00	5.00	3.267	3.794	1.055	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	1.20	2.638	0.635	2.00	2.00	3.00	3.00	3.00	3.267	2.711	0.649	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.20	2.110	0.330	2.00	2.00	2.00	2.00	3.00	3.267	2.141	0.362	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	1.30	21.220	15.129	7.00	11.00	17.00	27.00	41.00	3.267	23.303	16.901	8.00	11.00	18.00	30.00	46.00
0.15	3.105	0.3220389	0.0289256	1.20	1.30	7.086	3.187	4.00	5.00	6.00	9.00	11.00	3.267	7.452	3.395	4.00	5.00	7.00	9.00	12.00
0.15	3.105	0.3220389	0.0289256	1.30	1.30	4.312	1.485	3.00	3.00	4.00	5.00	6.00	3.267	4.453	1.527	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	1.30	3.147	0.907	2.00	3.00	3.00	4.00	4.00	3.267	3.257	0.934	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	1.30	20.292	13.603	7.00	11.00	17.00	26.00	38.00	3.267	22.505	15.996	8.00	11.00	18.00	29.00	43.00
0.15	3.105	0.3220389	0.0289256	0.80	1.30	6.300	2.522	4.00	5.00	6.00	8.00	10.00	3.267	6.611	2.644	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	1.30	3.697	1.063	3.00	3.00	4.00	4.00	5.00	3.267	3.803	1.075	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	1.30	2.627	0.632	2.00	2.00	3.00	3.00	3.00	3.267	2.706	0.644	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.30	2.106	0.328	2.00	2.00	2.00	2.00	3.00	3.267	2.145	0.365	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	1.40	20.941	14.926	7.00	11.00	17.00	27.00	40.00	3.267	23.136	16.357	8.00	12.00	19.00	30.00	45.00
0.15	3.105	0.3220389	0.0289256	1.20	1.40	7.086	3.113	4.00	5.00	6.00	9.00	11.00	3.267	7.479	3.354	4.00	5.00	7.00	9.00	12.00
0.15	3.105	0.3220389	0.0289256	1.30	1.40	4.261	1.455	3.00	3.00	4.00	5.00	6.00	3.267	4.440	1.505	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	1.40	3.147	0.909	2.00	3.00	3.00	4.00	4.00	3.267	3.263	0.933	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	1.40	19.990	13.257	7.00	11.00	17.00	26.00	37.00	3.267	22.257	15.422	8.00	11.00	18.00	29.00	43.00
0.15	3.105	0.3220389	0.0289256	0.80	1.40	6.348	2.457	4.00	5.00	6.00	8.00	10.00	3.267	6.529	2.560	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	1.40	3.680	1.023	3.00	3.00	4.00	4.00	5.00	3.267	3.801	1.070	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	1.40	2.624	0.624	2.00	2.00	3.00	3.00	3.00	3.267	2.702	0.638	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.40	2.105	0.325	2.00	2.00	2.00	2.00	3.00	3.267	2.143	0.364	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	0.90	21.233	14.966	7.00	11.00	17.00	27.00	41.00	3.267	23.108	16.559	8.00	11.00	18.00	30.00	45.00
0.15	3.105	0.3220389	0.0289256	1.20	0.90	7.093	3.180	4.00	5.00	6.00	9.00	11.00	3.267	7.414	3.343	4.00	5.00	7.00	9.00	12.00
0.15	3.105	0.3220389	0.0289256	1.30	0.90	4.283	1.462	3.00	3.00	4.00	5.00	6.00	3.267	4.476	1.517	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	0.90	3.140	0.905	2.00	3.00	3.00	4.00	4.00	3.267	3.252	0.925	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	0.90	20.047	13.556	7.00	11.00	16.00	26.00	38.00	3.267	21.999	15.181	8.00	11.00	18.00	28.00	42.00
0.15	3.105	0.3220389	0.0289256	0.80	0.90	6.294	2.458	4.00	5.00	6.00	7.00	9.00	3.267	6.620	2.666	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	0.90	3.676	1.050	3.00	3.00	4.00	4.00	5.00	3.267	3.801	1.057	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	0.90	2.630	0.635	2.00	2.00	3.00	3.00	3.00	3.267	2.710	0.633	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.90	2.108	0.331	2.00	2.00	2.00	2.00	3.00	3.267	2.133	0.351	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	0.80	19.743	13.617	7.00	10.00	16.00	26.00	38.00	3.267	21.666	15.368	7.00	11.00	17.00	28.00	42.00
0.15	3.105	0.3220389	0.0289256	1.20	0.80	6.994	3.106	4.00	5.00	6.00	9.00	11.00	3.267	7.366	3.316	4.00	5.00	7.00	9.00	12.00
0.15	3.105	0.3220389	0.0289256	1.30	0.80	4.247	1.457	3.00	3.00	4.00	5.00	6.00	3.267	4.442	1.511	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	0.80	3.149	0.916	2.00	3.00	3.00	4.00	4.00	3.267	3.250	0.923	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	0.80	19.128	12.721	7.00	10.00	16.00	24.00	36.00	3.267	20.991	14.240	8.00	11.00	17.00	27.00	39.00
0.15	3.105	0.3220389	0.0289256	0.80	0.80	6.310	2.467	4.00	5.00	6.00	8.00	9.00	3.267	6.523	2.575	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	0.80	3.679	1.043	3.00	3.00	4.00	4.00	5.00	3.267	3.803	1.058	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	0.80	2.629	0.628	2.00	2.00	3.00	3.00	3.00	3.267	2.722	0.649	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.80	2.110	0.331	2.00	2.00	2.00	2.00	3.00	3.267	2.141	0.358	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	0.70	17.743	11.640	7.00	10.00	15.00	23.00	33.00	3.267	19.519	13.206	7.00	10.00	16.00	25.00	36.00
0.15	3.105	0.3220389	0.0289256	1.20	0.70	6.997	3.087	4.00	5.00	6.00	8.00	11.00	3.267	7.298	3.269	4.00	5.00	7.00	9.00	11.00
0.15	3.105	0.3220389	0.0289256	1.30	0.70	4.262	1.464	3.00	3.00	4.00	5.00	6.00	3.267	4.452	1.495	3.00	3.00	4.00	5.00	6.00
0.15	3.105	0.3220389	0.0289256	1.40	0.70	3.158	0.910	2.00	3.00	3.00	4.00	4.00	3.267	3.255	0.937	2.00	3.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.90	0.70	17.088	10.894	7.00	9.00	14.00	22.00	31.00	3.267	18.713	12.244	7.00	10.00	15.00	24.00	35.00
0.15	3.105	0.3220389	0.0289256	0.80	0.70	6.196	2.403	4.00	4.00	6.00	7.00	9.00	3.267	6.534	2.563	4.00	5.00	6.00	8.00	10.00
0.15	3.105	0.3220389	0.0289256	0.70	0.70	3.671	1.043	3.00	3.00	4.00	4.00	5.00	3.267	3.816	1.059	3.00	3.00	4.00	4.00	5.00
0.15	3.105	0.3220389	0.0289256	0.60	0.70	2.625	0.630	2.00	2.00	3.00	3.00	3.00	3.267	2.699	0.639	2.00	2.00	3.00	3.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.70	2.114	0.337	2.00	2.00	2.00	2.00	3.00	3.267	2.144	0.359	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	1.10	0.60	14.535	9.126	6.00	8.00	12.00	18.00	26.00	3.267	15.728	9.965	6.00	9.00	13.00	20.00	28.0

0.15	3.105	0.3220389	0.0289256	0.80	0.60	6.126	2.328	4.00	4.00	6.00	7.00	9.00	3.267	6.394	2.405	4.00	5.00	6.00	8.00	10.00	
0.15	3.105	0.3220389	0.0289256	0.70	0.60	3.676	1.042	3.00	3.00	4.00	4.00	5.00	3.267	3.806	1.067	3.00	3.00	4.00	4.00	5.00	
0.15	3.105	0.3220389	0.0289256	0.60	0.60	2.624	0.625	2.00	2.00	3.00	3.00	3.00	3.267	2.719	0.649	2.00	2.00	3.00	3.00	3.00	
0.15	3.105	0.3220389	0.0289256	0.50	0.60	2.106	0.329	2.00	2.00	2.00	2.00	3.00	3.267	2.150	0.364	2.00	2.00	2.00	2.00	3.00	
0.15	3.105	0.3220389	0.0289256	1.10	0.50	11.394	6.578	5.00	7.00	10.00	14.00	20.00	3.267	12.267	7.195	5.00	7.00	10.00	15.00	21.00	
0.15	3.105	0.3220389	0.0289256	1.20	0.50	6.470	2.639	4.00	5.00	6.00	8.00	10.00	3.267	6.820	2.828	4.00	5.00	6.00	8.00	11.00	
0.15	3.105	0.3220389	0.0289256	1.30	0.50	4.202	1.389	3.00	3.00	4.00	5.00	6.00	3.267	4.372	1.432	3.00	3.00	4.00	5.00	6.00	
0.15	3.105	0.3220389	0.0289256	1.40	0.50	3.137	0.893	2.00	3.00	3.00	4.00	4.00	3.267	3.240	0.927	2.00	3.00	3.00	4.00	4.00	
0.15	3.105	0.3220389	0.0289256	0.90	0.50	11.419	6.384	5.00	7.00	10.00	14.00	20.00	3.267	12.063	6.774	5.00	7.00	10.00	15.00	21.00	
0.15	3.105	0.3220389	0.0289256	0.80	0.50	5.916	2.185	4.00	4.00	6.00	7.00	9.00	3.267	6.162	2.284	4.00	5.00	6.00	7.00	9.00	
0.15	3.105	0.3220389	0.0289256	0.70	0.50	3.659	1.018	3.00	3.00	3.00	4.00	5.00	3.267	3.802	1.042	3.00	3.00	4.00	4.00	5.00	
0.15	3.105	0.3220389	0.0289256	0.60	0.50	2.617	0.616	2.00	2.00	3.00	3.00	3.00	3.267	2.720	0.649	2.00	2.00	3.00	3.00	3.00	
0.15	3.105	0.3220389	0.0289256	0.50	0.50	2.105	0.325	2.00	2.00	2.00	2.00	3.00	3.267	2.143	0.361	2.00	2.00	2.00	2.00	3.00	
ARL₀ = 370												ARL₀ = 500									
Case 2																					
$\phi=148$																					
0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.630	356.051	53.00	119.00	262.00	511.00	851.00	2.888	500.861	488.895	67.00	161.00	354.50	683.00	1124.00	
0.05	2.693	0.1815312	0.0092496	1.10	1.10	32.770	19.578	13.00	19.00	28.00	41.00	58.00	2.888	35.793	21.511	15.00	21.00	31.00	45.00	64.00	
0.05	2.693	0.1815312	0.0092496	1.20	1.10	13.099	5.170	7.00	9.00	12.00	16.00	20.00	2.888	13.871	5.402	8.00	10.00	13.00	17.00	21.00	
0.05	2.693	0.1815312	0.0092496	1.30	1.10	8.267	2.575	5.00	6.00	8.00	10.00	12.00	2.888	8.674	2.634	6.00	7.00	8.00	10.00	12.00	
0.05	2.693	0.1815312	0.0092496	1.40	1.10	6.146	1.659	4.00	5.00	6.00	7.00	8.00	2.888	6.440	1.687	5.00	5.00	6.00	7.00	9.00	
0.05	2.693	0.1815312	0.0092496	0.90	1.10	31.338	17.466	14.00	19.00	27.00	39.00	54.00	2.888	34.109	19.174	15.00	21.00	29.00	43.00	59.00	
0.05	2.693	0.1815312	0.0092496	0.80	1.10	11.787	4.132	7.00	9.00	11.00	14.00	17.00	2.888	12.435	4.294	8.00	9.00	12.00	15.00	18.00	
0.05	2.693	0.1815312	0.0092496	0.70	1.10	7.142	1.817	5.00	6.00	7.00	8.00	10.00	2.888	7.503	1.908	5.00	6.00	7.00	9.00	10.00	
0.05	2.693	0.1815312	0.0092496	0.60	1.10	5.135	1.079	4.00	4.00	5.00	6.00	7.00	2.888	5.339	1.080	4.00	5.00	5.00	6.00	7.00	
0.05	2.693	0.1815312	0.0092496	0.50	1.10	4.012	0.712	3.00	4.00	4.00	4.00	5.00	2.888	4.175	0.713	3.00	4.00	4.00	5.00	5.00	
0.05	2.693	0.1815312	0.0092496	1.10	1.20	32.426	19.086	13.00	19.00	28.00	41.00	58.00	2.888	35.246	20.760	15.00	21.00	30.00	44.00	62.00	
0.05	2.693	0.1815312	0.0092496	1.20	1.20	13.038	5.120	7.00	9.00	12.00	16.00	20.00	2.888	13.821	5.382	8.00	10.00	13.00	17.00	21.00	
0.05	2.693	0.1815312	0.0092496	1.30	1.20	8.260	2.577	5.00	6.00	8.00	10.00	12.00	2.888	8.695	2.658	6.00	7.00	8.00	10.00	12.00	
0.05	2.693	0.1815312	0.0092496	1.40	1.20	6.155	1.649	4.00	5.00	6.00	7.00	8.00	2.888	6.404	1.684	4.00	5.00	6.00	7.00	9.00	
0.05	2.693	0.1815312	0.0092496	0.90	1.20	30.961	17.113	14.00	19.00	27.00	38.25	53.00	2.888	33.653	18.717	15.00	20.00	29.00	42.00	58.00	
0.05	2.693	0.1815312	0.0092496	0.80	1.20	11.807	4.076	7.00	9.00	11.00	14.00	17.00	2.888	12.455	4.260	8.00	9.00	12.00	15.00	18.00	
0.05	2.693	0.1815312	0.0092496	0.70	1.20	7.165	1.864	5.00	6.00	7.00	8.00	10.00	2.888	7.516	1.891	5.00	6.00	7.00	9.00	10.00	
0.05	2.693	0.1815312	0.0092496	0.60	1.20	5.138	1.074	4.00	4.00	5.00	6.00	7.00	2.888	5.353	1.087	4.00	5.00	5.00	6.00	7.00	
0.05	2.693	0.1815312	0.0092496	0.50	1.20	4.007	0.712	3.00	4.00	4.00	4.00	5.00	2.888	4.176	0.716	3.00	4.00	4.00	5.00	5.00	
0.05	2.693	0.1815312	0.0092496	1.10	1.30	30.969	17.067	14.00	19.00	27.00	39.00	53.00	2.888	33.952	19.137	15.00	20.00	30.00	43.00	59.00	
0.05	2.693	0.1815312	0.0092496	1.20	1.30	13.089	5.104	7.00	9.00	12.00	16.00	20.00	2.888	13.793	5.330	8.00	10.00	13.00	17.00	21.00	
0.05	2.693	0.1815312	0.0092496	1.30	1.30	8.288	2.608	5.00	6.00	8.00	10.00	12.00	2.888	8.660	2.642	6.00	7.00	8.00	10.00	12.00	
0.05	2.693	0.1815312	0.0092496	1.40	1.30	6.141	1.659	4.00	5.00	6.00	7.00	8.00	2.888	6.409	1.688	4.00	5.00	6.00	7.00	9.00	
0.05	2.693	0.1815312	0.0092496	0.90	1.30	29.844	15.696	14.00	19.00	26.00	37.00	51.00	2.888	32.634	17.777	15.00	20.00	29.00	41.00	56.00	
0.05	2.693	0.1815312	0.0092496	0.80	1.30	11.748	4.062	7.00	9.00	11.00	14.00	17.00	2.888	12.416	4.232	8.00	9.00	12.00	15.00	18.00	
0.05	2.693	0.1815312	0.0092496	0.70	1.30	7.156	1.846	5.00	6.00	7.00	8.00	10.00	2.888	7.480	1.904	5.00	6.00	7.00	9.00	10.00	
0.05	2.693	0.1815312	0.0092496	0.60	1.30	5.125	1.057	4.00	4.00	5.00	6.00	6.00	2.888	5.341	1.093	4.00	5.00	5.00	6.00	7.00	
0.05	2.693	0.1815312	0.0092496	0.50	1.30	4.007	0.713	3.00	4.00	4.00	4.00	5.00	2.888	4.179	0.722	3.00	4.00	4.00	5.00	5.00	
0.05	2.693	0.1815312	0.0092496	1.10	1.40	29.593	15.560	13.00	19.00	26.00	37.00	50.00	2.888	32.454	17.641	15.00	20.00	28.00	41.00	55.00	
0.05	2.693	0.1815312	0.0092496	1.20	1.40	13.112	5.151	7.00	9.00	12.00	16.00	20.00	2.888	13.685	5.180	8.00	10.00	13.00	17.00	21.00	
0.05	2.693	0.1815312	0.0092496	1.30	1.40	8.291	2.611	5.00	6.00	8.00	10.00	12.00	2.888	8.636	2.677	6.00	7.00	8.00	10.00	12.00	
0.05	2.693	0.1815312	0.0092496	1.40	1.40	6.152	1.641	4.00	5.00	6.00	7.00	8.00	2.888	6.434	1.692	5.00	5.00	6.00	7.00	9.00	
0.05	2.693	0.1815312	0.0092496	0.90	1.40	28.419	14.289	14.00	18.00	25.00	35.00	47.00	2.888	31.124	15.821	15.00	20.00	28.00	38.00	52.00	
0.05	2.693	0.1815312	0.0092496	0.80	1.40	11.821	4.079	7.00	9.00	11.00	14.00	17.00	2.888	12.426	4.212	8.00	9.00	12.00	15.00	18.00	
0.05	2.693	0.1815312	0.0092496	0.70	1.40	7.159	1.848	5.00	6.00	7.00	8.00	10.00	2.888	7.487	1.883	5.00	6.00	7.00	9.00	10.00	
0.05	2.693	0.1815312	0.0092496	0.60	1.40	5.127	1.049	4.00	4.00	5.00	6.00	6.00	2.888	5.362	1.102	4.00	5.00	5.00	6.00	7.00	
0.05	2.693	0.1815312	0.0092496	0.50	1.40	4.017	0.712	3.00	4.00	4.00	4.00	5.00	2.888	4.183	0.721	3.00	4.00	4.00	5.00	5.00	
0.05	2.693	0.1815312	0.0092496	1.10	0.90	32.160	18.605	13.00	19.00	28.00	40.00	57.00	2.888	35.227	21.168	15.00	20.00	30.00	44.00	63.00	
0.05	2.693	0.1815312	0.0092496	1.20	0.90	13.059	5.124	7.00	9.00	12.00	16.00	20.00	2.888	13.859	5.409	8.00	10.00	13.00	17.00	21.00	
0.05	2.693	0.1815312	0.0092496	1.30	0.90	8.296	2.632	5.00	6.00	8.00	10.00	12.00	2.888	8.626	2.641	6.00	7.00	8.00	10.00	12.00	
0.05	2.693	0.1815312	0.0092496	1.40	0.90	6.132	1.630	4.00	5.00	6.00	7.00	8.00	2.888	6.394	1.694	4.00	5.00	6.00	7.00	9.00	
0.05	2.693	0.1815312	0.0092496	0.90	0.90	30.462	16.868	13.00	18.00	27.00	38.00	52.00	2.888	33.146	18.206	15.00	20.00	29.00	41.00	57.00	
0.05	2.693	0.1815312	0.0092496	0.80	0.90	11.780	4.094	7.00	9.00												

0.05	2.693	0.1815312	0.0092496	1.10	0.80	29.510	16.739	13.00	18.00	26.00	37.00	51.00	2.888	32.363	18.510	14.00	19.00	28.00	41.00	57.00
0.05	2.693	0.1815312	0.0092496	1.20	0.80	12.974	4.986	7.00	9.00	12.00	16.00	20.00	2.888	13.792	5.346	8.00	10.00	13.00	17.00	21.00
0.05	2.693	0.1815312	0.0092496	1.30	0.80	8.268	2.544	5.00	6.00	8.00	10.00	12.00	2.888	8.630	2.636	6.00	7.00	8.00	10.00	12.00
0.05	2.693	0.1815312	0.0092496	1.40	0.80	6.164	1.644	4.00	5.00	6.00	7.00	8.00	2.888	6.386	1.694	4.00	5.00	6.00	7.00	9.00
0.05	2.693	0.1815312	0.0092496	0.90	0.80	28.223	14.935	13.00	18.00	25.00	35.00	48.00	2.888	30.732	16.401	14.00	19.00	27.00	38.00	52.00
0.05	2.693	0.1815312	0.0092496	0.80	0.80	11.708	4.014	7.00	9.00	11.00	14.00	17.00	2.888	12.414	4.222	8.00	9.00	12.00	15.00	18.00
0.05	2.693	0.1815312	0.0092496	0.70	0.80	7.156	1.843	5.00	6.00	7.00	8.00	10.00	2.888	7.522	1.916	5.00	6.00	7.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.60	0.80	5.138	1.068	4.00	4.00	5.00	6.00	6.00	2.888	5.363	1.104	4.00	5.00	5.00	6.00	7.00
0.05	2.693	0.1815312	0.0092496	0.50	0.80	4.003	0.715	3.00	4.00	4.00	4.00	5.00	2.888	4.177	0.725	3.00	4.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	1.10	0.70	24.960	13.274	11.00	15.00	22.00	31.00	43.00	2.888	27.192	14.401	12.00	17.00	24.00	34.00	46.00
0.05	2.693	0.1815312	0.0092496	1.20	0.70	12.733	4.815	7.00	9.00	12.00	15.00	19.00	2.888	13.372	5.088	8.00	10.00	13.00	16.00	20.00
0.05	2.693	0.1815312	0.0092496	1.30	0.70	8.222	2.520	5.00	6.00	8.00	10.00	12.00	2.888	8.645	2.636	6.00	7.00	8.00	10.00	12.00
0.05	2.693	0.1815312	0.0092496	1.40	0.70	6.133	1.647	4.00	5.00	6.00	7.00	8.00	2.888	6.385	1.683	4.00	5.00	6.00	7.00	9.00
0.05	2.693	0.1815312	0.0092496	0.90	0.70	24.467	12.303	12.00	16.00	22.00	31.00	41.00	2.888	26.710	13.572	13.00	17.00	24.00	33.00	45.00
0.05	2.693	0.1815312	0.0092496	0.80	0.70	11.576	3.934	7.00	9.00	11.00	14.00	17.00	2.888	12.298	4.063	8.00	9.00	12.00	15.00	18.00
0.05	2.693	0.1815312	0.0092496	0.70	0.70	7.123	1.815	5.00	6.00	7.00	8.00	10.00	2.888	7.499	1.905	5.00	6.00	7.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.60	0.70	5.111	1.058	4.00	4.00	5.00	6.00	6.00	2.888	5.347	1.099	4.00	5.00	5.00	6.00	7.00
0.05	2.693	0.1815312	0.0092496	0.50	0.70	4.004	0.700	3.00	4.00	4.00	4.00	5.00	2.888	4.168	0.715	3.00	4.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	1.10	0.60	20.043	9.654	10.00	13.00	18.00	25.00	33.00	2.888	21.464	10.527	10.00	14.00	19.00	27.00	35.00
0.05	2.693	0.1815312	0.0092496	1.20	0.60	12.135	4.449	7.00	9.00	11.00	14.00	18.00	2.888	12.855	4.672	8.00	10.00	12.00	15.00	19.00
0.05	2.693	0.1815312	0.0092496	1.30	0.60	8.176	2.492	5.00	6.00	8.00	10.00	11.00	2.888	8.549	2.517	6.00	7.00	8.00	10.00	12.00
0.05	2.693	0.1815312	0.0092496	1.40	0.60	6.128	1.622	4.00	5.00	6.00	7.00	8.00	2.888	6.368	1.662	4.00	5.00	6.00	7.00	9.00
0.05	2.693	0.1815312	0.0092496	0.90	0.60	19.861	9.359	10.00	13.00	18.00	24.00	32.00	2.888	21.086	9.845	11.00	14.00	19.00	26.00	34.00
0.05	2.693	0.1815312	0.0092496	0.80	0.60	11.245	3.636	7.00	9.00	11.00	13.00	16.00	2.888	11.824	3.787	8.00	9.00	11.00	14.00	17.00
0.05	2.693	0.1815312	0.0092496	0.70	0.60	7.099	1.785	5.00	6.00	7.00	8.00	9.00	2.888	7.440	1.863	5.00	6.00	7.00	8.00	10.00
0.05	2.693	0.1815312	0.0092496	0.60	0.60	5.149	1.068	4.00	4.00	5.00	6.00	7.00	2.888	5.345	1.080	4.00	5.00	5.00	6.00	7.00
0.05	2.693	0.1815312	0.0092496	0.50	0.60	4.008	0.714	3.00	4.00	4.00	4.00	5.00	2.888	4.179	0.719	3.00	4.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	1.10	0.50	15.126	6.729	8.00	10.00	14.00	19.00	24.00	2.888	16.202	7.163	8.00	11.00	15.00	20.00	26.00
0.05	2.693	0.1815312	0.0092496	1.20	0.50	11.119	3.895	7.00	8.00	10.00	13.00	16.00	2.888	11.786	4.202	7.00	9.00	11.00	14.00	17.00
0.05	2.693	0.1815312	0.0092496	1.30	0.50	7.957	2.332	5.00	6.00	8.00	9.00	11.00	2.888	8.350	2.427	6.00	7.00	8.00	10.00	12.00
0.05	2.693	0.1815312	0.0092496	1.40	0.50	6.097	1.576	4.00	5.00	6.00	7.00	8.00	2.888	6.368	1.627	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.90	0.50	15.169	6.793	8.00	10.00	14.00	19.00	24.00	2.888	16.156	6.955	9.00	11.00	15.00	20.00	25.00
0.05	2.693	0.1815312	0.0092496	0.80	0.50	10.529	3.308	7.00	8.00	10.00	12.00	15.00	2.888	11.067	3.477	7.00	9.00	11.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	0.50	7.023	1.727	5.00	6.00	7.00	8.00	9.00	2.888	7.376	1.795	5.00	6.00	7.00	8.00	10.00
0.05	2.693	0.1815312	0.0092496	0.60	0.50	5.135	1.045	4.00	4.00	5.00	6.00	6.00	2.888	5.348	1.086	4.00	5.00	5.00	6.00	7.00
0.05	2.693	0.1815312	0.0092496	0.50	0.50	4.000	0.712	3.00	4.00	4.00	4.00	5.00	2.888	4.188	0.714	3.00	4.00	4.00	5.00	5.00
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.596	361.021	48.00	115.00	262.00	510.25	838.00	3.164	500.156	491.339	61.00	150.00	348.00	686.00	1147.00
0.10	2.990	0.2591099	0.0188559	1.10	1.10	36.227	27.494	11.00	17.00	28.00	47.00	71.00	3.164	39.685	29.502	12.00	18.00	32.00	52.00	79.00
0.10	2.990	0.2591099	0.0188559	1.20	1.10	11.982	5.887	6.00	8.00	11.00	15.00	20.00	3.164	12.688	6.356	6.00	8.00	11.00	16.00	21.00
0.10	2.990	0.2591099	0.0188559	1.30	1.10	7.072	2.676	4.00	5.00	7.00	9.00	11.00	3.164	7.393	2.798	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	1.10	5.117	1.640	3.00	4.00	5.00	6.00	7.00	3.164	5.333	1.669	3.00	4.00	5.00	6.00	8.00
0.10	2.990	0.2591099	0.0188559	0.90	1.10	34.958	24.423	12.00	18.00	28.00	45.00	68.00	3.164	38.620	28.251	12.00	19.00	31.00	50.00	75.00
0.10	2.990	0.2591099	0.0188559	0.80	1.10	10.544	4.518	6.00	7.00	10.00	13.00	17.00	3.164	11.175	4.966	6.00	8.00	10.00	14.00	18.00
0.10	2.990	0.2591099	0.0188559	0.70	1.10	6.043	1.891	4.00	5.00	6.00	7.00	9.00	3.164	6.303	1.938	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	1.10	4.215	1.052	3.00	3.00	4.00	5.00	6.00	3.164	4.379	1.072	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	1.10	3.265	0.662	3.00	3.00	3.00	4.00	4.00	3.164	3.376	0.673	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	1.20	35.127	25.790	11.00	17.00	28.00	45.00	69.00	3.164	39.307	28.470	12.00	19.00	32.00	51.00	77.00
0.10	2.990	0.2591099	0.0188559	1.20	1.20	11.854	5.793	6.00	8.00	11.00	15.00	19.00	3.164	12.784	6.308	6.00	8.00	11.00	16.00	21.00
0.10	2.990	0.2591099	0.0188559	1.30	1.20	7.079	2.708	4.00	5.00	7.00	8.00	11.00	3.164	7.430	2.790	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	1.20	5.125	1.645	3.00	4.00	5.00	6.00	7.00	3.164	5.323	1.670	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	1.20	34.799	24.889	11.00	17.00	28.00	45.00	66.00	3.164	38.900	27.993	13.00	19.00	31.00	50.00	76.00
0.10	2.990	0.2591099	0.0188559	0.80	1.20	10.607	4.605	6.00	7.00	10.00	13.00	17.00	3.164	11.206	4.894	6.00	8.00	10.00	13.00	18.00
0.10	2.990	0.2591099	0.0188559	0.70	1.20	6.039	1.896	4.00	5.00	6.00	7.00	9.00	3.164	6.282	1.930	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	1.20	4.205	1.034	3.00	3.00	4.00	5.00	6.00	3.164	4.348	1.062	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	1.20	3.279	0.666	3.00	3.00	3.00	4.00	4.00	3.164	3.372	0.671	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	1.30	34.139	24.435	11.00	17.00	27.00	44.25	66.00	3.164	38.330	28.584	12.00	18.00	30.00	50.00	75.00
0.10	2.990	0.2591099	0.0188559	1.20	1.30	12.033	6.027	6.00	8.00	11.00	15.00	20.00	3.164	12.714	6.391	6.00	8.00	11.00	16.00	21.00
0.10	2.990	0.2591099	0.018855																	

0.10	2.990	0.2591099	0.0188559	0.60	1.30	4.222	1.023	3.00	4.00	4.00	5.00	6.00	3.164	4.361	1.061	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	1.30	3.262	0.655	3.00	3.00	3.00	4.00	4.00	3.164	3.369	0.664	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	1.40	32.645	23.387	11.00	16.00	26.00	42.00	63.00	3.164	36.124	25.413	12.00	18.00	29.00	47.00	70.00
0.10	2.990	0.2591099	0.0188559	1.20	1.40	11.928	5.795	6.00	8.00	11.00	15.00	20.00	3.164	12.484	6.158	6.00	8.00	11.00	15.00	20.00
0.10	2.990	0.2591099	0.0188559	1.30	1.40	7.066	2.676	4.00	5.00	7.00	8.00	11.00	3.164	7.411	2.800	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	1.40	5.115	1.644	3.00	4.00	5.00	6.00	7.00	3.164	5.299	1.667	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	1.40	31.601	21.197	12.00	17.00	26.00	40.00	59.00	3.164	35.689	24.477	12.00	18.00	29.00	46.00	68.00
0.10	2.990	0.2591099	0.0188559	0.80	1.40	10.547	4.459	6.00	7.00	10.00	13.00	16.00	3.164	11.134	4.794	6.00	8.00	10.00	13.00	17.00
0.10	2.990	0.2591099	0.0188559	0.70	1.40	6.032	1.864	4.00	5.00	6.00	7.00	8.00	3.164	6.238	1.944	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	1.40	4.199	1.022	3.00	3.00	4.00	5.00	5.00	3.164	4.374	1.059	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	1.40	3.251	0.653	3.00	3.00	3.00	4.00	4.00	3.164	3.381	0.675	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	0.90	34.231	25.546	11.00	16.00	27.00	44.00	67.00	3.164	38.170	28.402	11.00	18.00	30.00	50.00	75.00
0.10	2.990	0.2591099	0.0188559	1.20	0.90	11.935	5.941	6.00	8.00	11.00	15.00	20.00	3.164	12.745	6.329	6.00	8.00	11.00	16.00	21.00
0.10	2.990	0.2591099	0.0188559	1.30	0.90	7.064	2.662	4.00	5.00	7.00	8.00	11.00	3.164	7.333	2.752	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	0.90	5.116	1.617	3.00	4.00	5.00	6.00	7.00	3.164	5.294	1.688	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	0.90	33.259	23.551	11.00	17.00	26.00	43.00	65.00	3.164	36.584	26.405	12.00	18.00	29.00	47.00	71.00
0.10	2.990	0.2591099	0.0188559	0.80	0.90	10.561	4.572	6.00	7.00	10.00	13.00	17.00	3.164	11.169	4.797	6.00	8.00	10.00	14.00	17.00
0.10	2.990	0.2591099	0.0188559	0.70	0.90	6.007	1.872	4.00	5.00	6.00	7.00	8.00	3.164	6.290	1.950	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	0.90	4.208	1.036	3.00	3.00	4.00	5.00	6.00	3.164	4.351	1.049	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	0.90	3.266	0.663	3.00	3.00	3.00	4.00	4.00	3.164	3.364	0.671	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	0.80	30.362	21.514	10.00	15.00	24.00	39.00	59.00	3.164	33.759	24.369	11.00	17.00	27.00	44.00	65.00
0.10	2.990	0.2591099	0.0188559	1.20	0.80	11.734	5.630	6.00	8.00	11.00	14.00	19.00	3.164	12.365	6.095	6.00	8.00	11.00	15.00	20.00
0.10	2.990	0.2591099	0.0188559	1.30	0.80	7.038	2.641	4.00	5.00	7.00	8.00	10.00	3.164	7.382	2.775	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	0.80	5.092	1.610	3.00	4.00	5.00	6.00	7.00	3.164	5.305	1.674	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	0.80	30.116	20.798	10.00	16.00	24.00	39.00	57.00	3.164	33.682	23.968	11.00	17.00	27.00	43.00	64.00
0.10	2.990	0.2591099	0.0188559	0.80	0.80	10.499	4.453	6.00	7.00	10.00	13.00	16.00	3.164	10.935	4.641	6.00	8.00	10.00	13.00	17.00
0.10	2.990	0.2591099	0.0188559	0.70	0.80	6.035	1.879	4.00	5.00	6.00	7.00	8.00	3.164	6.291	1.945	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	0.80	4.217	1.040	3.00	3.00	4.00	5.00	6.00	3.164	4.371	1.067	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	0.80	3.267	0.656	3.00	3.00	3.00	4.00	4.00	3.164	3.374	0.677	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	0.70	24.737	16.226	9.00	13.00	21.00	32.00	46.00	3.164	27.256	18.107	10.00	14.00	22.00	35.00	52.00
0.10	2.990	0.2591099	0.0188559	1.20	0.70	11.385	5.397	6.00	8.00	10.00	14.00	18.00	3.164	11.998	5.696	6.00	8.00	11.00	15.00	19.00
0.10	2.990	0.2591099	0.0188559	1.30	0.70	6.976	2.545	4.00	5.00	7.00	8.00	10.00	3.164	7.312	2.696	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	0.70	5.094	1.615	3.00	4.00	5.00	6.00	7.00	3.164	5.309	1.679	3.00	4.00	5.00	6.00	8.00
0.10	2.990	0.2591099	0.0188559	0.90	0.70	24.375	15.891	9.00	13.00	20.00	31.00	45.00	3.164	27.169	17.598	10.00	15.00	23.00	35.00	50.00
0.10	2.990	0.2591099	0.0188559	0.80	0.70	10.208	4.226	6.00	7.00	9.00	12.00	16.00	3.164	10.823	4.568	6.00	8.00	10.00	13.00	17.00
0.10	2.990	0.2591099	0.0188559	0.70	0.70	6.022	1.883	4.00	5.00	6.00	7.00	8.00	3.164	6.257	1.908	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	0.70	4.219	1.038	3.00	3.00	4.00	5.00	6.00	3.164	4.355	1.054	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	0.70	3.252	0.654	3.00	3.00	3.00	4.00	4.00	3.164	3.386	0.678	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	0.60	18.731	11.393	8.00	11.00	16.00	24.00	34.00	3.164	20.139	12.449	8.00	11.00	17.00	26.00	36.00
0.10	2.990	0.2591099	0.0188559	1.20	0.60	10.625	4.785	6.00	7.00	10.00	13.00	17.00	3.164	11.330	5.172	6.00	8.00	10.00	14.00	18.00
0.10	2.990	0.2591099	0.0188559	1.30	0.60	6.872	2.501	4.00	5.00	6.00	8.00	10.00	3.164	7.216	2.637	4.00	5.00	7.00	9.00	11.00
0.10	2.990	0.2591099	0.0188559	1.40	0.60	5.050	1.599	3.00	4.00	5.00	6.00	7.00	3.164	5.259	1.640	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	0.60	18.618	10.978	8.00	11.00	16.00	24.00	33.00	3.164	19.912	11.855	8.00	12.00	17.00	25.00	35.00
0.10	2.990	0.2591099	0.0188559	0.80	0.60	9.807	3.984	6.00	7.00	9.00	12.00	15.00	3.164	10.370	4.159	6.00	7.00	10.00	12.00	16.00
0.10	2.990	0.2591099	0.0188559	0.70	0.60	5.949	1.826	4.00	5.00	6.00	7.00	8.00	3.164	6.198	1.869	4.00	5.00	6.00	7.00	9.00
0.10	2.990	0.2591099	0.0188559	0.60	0.60	4.210	1.021	3.00	4.00	4.00	5.00	6.00	3.164	4.365	1.063	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	0.60	3.260	0.657	3.00	3.00	3.00	4.00	4.00	3.164	3.369	0.667	3.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	1.10	0.50	13.607	7.528	6.00	8.00	12.00	17.00	24.00	3.164	14.496	8.019	6.00	9.00	13.00	18.00	25.00
0.10	2.990	0.2591099	0.0188559	1.20	0.50	9.522	4.132	5.00	7.00	9.00	12.00	15.00	3.164	10.081	4.343	5.00	7.00	9.00	12.00	16.00
0.10	2.990	0.2591099	0.0188559	1.30	0.50	6.684	2.357	4.00	5.00	6.00	8.00	10.00	3.164	7.002	2.492	4.00	5.00	7.00	8.00	10.00
0.10	2.990	0.2591099	0.0188559	1.40	0.50	5.014	1.535	3.00	4.00	5.00	6.00	7.00	3.164	5.238	1.602	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.90	0.50	13.627	7.408	6.00	8.00	12.00	17.00	23.00	3.164	14.675	8.013	7.00	9.00	13.00	18.00	25.00
0.10	2.990	0.2591099	0.0188559	0.80	0.50	8.929	3.486	5.00	6.00	8.00	11.00	13.00	3.164	9.409	3.695	5.00	7.00	9.00	11.00	14.00
0.10	2.990	0.2591099	0.0188559	0.70	0.50	5.861	1.729	4.00	5.00	6.00	7.00	8.00	3.164	6.075	1.771	4.00	5.00	6.00	7.00	8.00
0.10	2.990	0.2591099	0.0188559	0.60	0.50	4.185	1.001	3.00	3.00	4.00	5.00	5.00	3.164	4.338	1.051	3.00	4.00	4.00	5.00	6.00
0.10	2.990	0.2591099	0.0188559	0.50	0.50	3.267	0.655	3.00	3.00	3.00	4.00	4.00	3.164	3.368	0.665	3.00	3.00	3.00	4.00	4.00
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.684	364.987	45.00	113.00	256.00	512.00	852.00	3.276	499.238	497.396	58.00	151.00	339.50	685.00	1141.00
0.15	3.108	0.3218169	0.0287890	1.10	1.10	40.145	32.764	10.00												

0.15	3.108	0.3218169	0.0287890	0.80	1.10	10.245	5.228	5.00	7.00	9.00	13.00	17.00	3.276	11.128	5.728	5.00	7.00	10.00	14.00	18.00
0.15	3.108	0.3218169	0.0287890	0.70	1.10	5.542	1.983	3.00	4.00	5.00	7.00	8.00	3.276	5.748	2.074	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	1.10	3.777	1.047	3.00	3.00	4.00	4.00	5.00	3.276	3.908	1.060	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	1.10	2.866	0.691	2.00	2.00	3.00	3.00	4.00	3.276	2.972	0.693	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	1.20	40.251	33.538	10.00	17.00	30.00	53.00	84.00	3.276	45.016	37.608	11.00	18.00	34.00	60.00	94.00
0.15	3.108	0.3218169	0.0287890	1.20	1.20	11.824	6.808	5.00	7.00	10.00	15.00	21.00	3.276	12.603	7.470	5.00	7.00	11.00	16.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	1.20	6.542	2.863	3.00	5.00	6.00	8.00	10.00	3.276	6.924	3.031	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	1.20	4.623	1.665	3.00	3.00	4.00	5.00	7.00	3.276	4.836	1.764	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	1.20	40.910	33.014	11.00	18.00	31.00	54.00	85.00	3.276	48.206	39.595	12.00	20.00	36.00	64.00	100.00
0.15	3.108	0.3218169	0.0287890	0.80	1.20	10.395	5.378	5.00	7.00	9.00	13.00	17.00	3.276	11.100	5.686	5.00	7.00	10.00	14.00	19.00
0.15	3.108	0.3218169	0.0287890	0.70	1.20	5.538	1.954	3.00	4.00	5.00	7.00	8.00	3.276	5.804	2.061	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	1.20	3.776	1.047	3.00	3.00	4.00	4.00	5.00	3.276	3.909	1.063	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	1.20	2.875	0.694	2.00	2.00	3.00	3.00	4.00	3.276	2.975	0.692	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	1.30	39.043	31.560	10.00	17.00	30.00	52.00	81.00	3.276	43.878	36.722	11.00	18.00	33.00	58.00	92.00
0.15	3.108	0.3218169	0.0287890	1.20	1.30	11.816	6.813	5.00	7.00	10.00	15.00	21.00	3.276	12.611	7.341	5.00	7.00	11.00	16.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	1.30	6.588	2.814	4.00	5.00	6.00	8.00	10.00	3.276	6.904	2.996	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	1.30	4.624	1.663	3.00	3.00	4.00	5.00	7.00	3.276	4.800	1.735	3.00	4.00	4.50	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	1.30	40.036	32.128	11.00	18.00	30.00	53.00	81.00	3.276	46.780	38.429	12.00	20.00	35.00	62.00	96.00
0.15	3.108	0.3218169	0.0287890	0.80	1.30	10.339	5.347	5.00	7.00	9.00	13.00	17.00	3.276	11.054	5.682	5.00	7.00	10.00	14.00	18.00
0.15	3.108	0.3218169	0.0287890	0.70	1.30	5.536	1.952	3.00	4.00	5.00	7.00	8.00	3.276	5.796	2.049	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	1.30	3.774	1.042	3.00	3.00	4.00	4.00	5.00	3.276	3.924	1.082	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	1.30	2.866	0.681	2.00	2.00	3.00	3.00	4.00	3.276	2.966	0.676	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	1.40	37.503	30.036	10.00	16.00	29.00	50.00	75.00	3.276	43.018	35.267	11.00	18.00	33.00	57.25	88.00
0.15	3.108	0.3218169	0.0287890	1.20	1.40	11.762	6.659	5.00	7.00	10.00	15.00	21.00	3.276	12.621	7.257	5.00	8.00	11.00	16.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	1.40	6.592	2.900	4.00	5.00	6.00	8.00	10.00	3.276	6.951	3.022	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	1.40	4.637	1.679	3.00	3.00	4.00	5.00	7.00	3.276	4.809	1.725	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	1.40	38.630	31.183	11.00	17.00	29.00	50.00	79.00	3.276	45.804	36.924	12.00	20.00	35.00	60.00	93.00
0.15	3.108	0.3218169	0.0287890	0.80	1.40	10.344	5.192	5.00	7.00	9.00	13.00	17.00	3.276	11.046	5.588	5.00	7.00	10.00	14.00	18.00
0.15	3.108	0.3218169	0.0287890	0.70	1.40	5.519	1.992	3.00	4.00	5.00	6.00	8.00	3.276	5.744	2.034	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	1.40	3.771	1.044	3.00	3.00	4.00	4.00	5.00	3.276	3.915	1.075	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	1.40	2.878	0.687	2.00	2.00	3.00	3.00	4.00	3.276	2.971	0.696	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	0.90	37.350	30.550	9.00	16.00	28.00	49.00	77.00	3.276	43.066	35.699	11.00	18.00	32.00	57.00	89.00
0.15	3.108	0.3218169	0.0287890	1.20	0.90	11.847	6.858	5.00	7.00	10.00	15.00	21.00	3.276	12.460	7.197	5.00	7.00	11.00	16.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	0.90	6.573	2.849	4.00	5.00	6.00	8.00	10.00	3.276	6.901	3.010	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	0.90	4.638	1.667	3.00	3.00	4.00	5.00	7.00	3.276	4.830	1.718	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	0.90	38.835	30.898	10.00	17.00	30.00	51.00	79.00	3.276	44.428	36.084	11.00	19.00	33.00	59.00	93.00
0.15	3.108	0.3218169	0.0287890	0.80	0.90	10.381	5.270	5.00	7.00	9.00	13.00	17.00	3.276	10.905	5.498	5.00	7.00	10.00	13.00	18.00
0.15	3.108	0.3218169	0.0287890	0.70	0.90	5.515	1.963	3.00	4.00	5.00	7.00	8.00	3.276	5.773	2.078	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	0.90	3.752	1.027	3.00	3.00	4.00	4.00	5.00	3.276	3.902	1.088	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	0.90	2.875	0.681	2.00	2.00	3.00	3.00	4.00	3.276	2.966	0.683	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	0.80	32.389	25.708	9.00	14.00	25.00	43.00	65.00	3.276	37.219	30.586	10.00	16.00	28.00	49.00	77.00
0.15	3.108	0.3218169	0.0287890	1.20	0.80	11.436	6.494	5.00	7.00	10.00	14.00	20.00	3.276	12.315	7.089	5.00	7.00	11.00	15.00	22.00
0.15	3.108	0.3218169	0.0287890	1.30	0.80	6.541	2.839	4.00	5.00	6.00	8.00	10.00	3.276	6.868	2.964	4.00	5.00	6.00	8.00	11.00
0.15	3.108	0.3218169	0.0287890	1.40	0.80	4.618	1.662	3.00	3.00	4.00	5.00	7.00	3.276	4.802	1.701	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	0.80	33.324	26.149	9.00	15.00	26.00	43.00	67.00	3.276	38.790	31.370	11.00	17.00	30.00	51.00	79.00
0.15	3.108	0.3218169	0.0287890	0.80	0.80	10.284	5.224	5.00	7.00	9.00	13.00	17.00	3.276	10.949	5.592	5.00	7.00	10.00	13.00	18.00
0.15	3.108	0.3218169	0.0287890	0.70	0.80	5.507	1.970	3.00	4.00	5.00	7.00	8.00	3.276	5.711	2.017	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	0.80	3.766	1.044	3.00	3.00	4.00	4.00	5.00	3.276	3.938	1.089	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	0.80	2.871	0.681	2.00	2.00	3.00	3.00	4.00	3.276	2.979	0.699	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	0.70	25.693	19.034	8.00	12.00	20.00	34.00	51.00	3.276	28.677	22.135	8.00	13.00	22.00	37.00	58.00
0.15	3.108	0.3218169	0.0287890	1.20	0.70	11.109	6.239	5.00	7.00	10.00	14.00	19.00	3.276	11.769	6.522	5.00	7.00	10.00	15.00	20.00
0.15	3.108	0.3218169	0.0287890	1.30	0.70	6.452	2.787	4.00	4.00	6.00	8.00	10.00	3.276	6.774	2.855	4.00	5.00	6.00	8.00	10.00
0.15	3.108	0.3218169	0.0287890	1.40	0.70	4.613	1.639	3.00	3.00	4.00	5.00	7.00	3.276	4.789	1.676	3.00	4.00	5.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	0.70	25.873	18.845	8.00	13.00	20.00	34.00	50.00	3.276	29.512	22.273	9.00	14.00	23.00	38.00	59.00
0.15	3.108	0.3218169	0.0287890	0.80	0.70	9.876	4.822	5.00	6.00	9.00	12.00	16.00	3.276	10.571	5.230	5.00	7.00	9.00	13.00	17.00
0.15	3.108	0.3218169	0.0287890	0.70	0.70	5.495	1.949	3.00	4.00	5.00	6.00	8.00	3.276	5.729	2.011	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	0.70	3.768	1.025	3.00	3.00	4.00	4.00	5.00	3.276	3.902	1.050	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	0.70	2.874	0.676	2.00	2.00											

0.15	3.108	0.3218169	0.0287890	0.90	0.60	18.661	12.590	7.00	10.00	15.00	24.00	35.00	3.276	20.902	14.628	7.00	11.00	17.00	27.00	40.00
0.15	3.108	0.3218169	0.0287890	0.80	0.60	9.273	4.366	5.00	6.00	8.00	11.00	15.00	3.276	9.883	4.674	5.00	7.00	9.00	12.00	16.00
0.15	3.108	0.3218169	0.0287890	0.70	0.60	5.428	1.878	3.00	4.00	5.00	6.00	8.00	3.276	5.673	1.973	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	0.60	3.755	1.038	3.00	3.00	4.00	4.00	5.00	3.276	3.900	1.063	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	0.60	2.876	0.685	2.00	2.00	3.00	3.00	4.00	3.276	2.971	0.700	2.00	3.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	1.10	0.50	13.045	8.138	5.00	7.00	11.00	17.00	24.00	3.276	14.227	8.979	5.00	8.00	12.00	18.00	26.00
0.15	3.108	0.3218169	0.0287890	1.20	0.50	8.965	4.495	4.00	6.00	8.00	11.00	15.00	3.276	9.425	4.662	5.00	6.00	8.00	12.00	16.00
0.15	3.108	0.3218169	0.0287890	1.30	0.50	6.114	2.477	3.00	4.00	6.00	7.00	9.00	3.276	6.353	2.589	4.00	4.00	6.00	8.00	10.00
0.15	3.108	0.3218169	0.0287890	1.40	0.50	4.528	1.555	3.00	3.00	4.00	5.00	7.00	3.276	4.702	1.600	3.00	4.00	4.00	6.00	7.00
0.15	3.108	0.3218169	0.0287890	0.90	0.50	13.208	8.182	5.00	7.00	11.00	17.00	24.00	3.276	14.263	8.937	6.00	8.00	12.00	18.00	26.00
0.15	3.108	0.3218169	0.0287890	0.80	0.50	8.412	3.830	4.00	6.00	8.00	10.00	13.00	3.276	8.934	4.032	5.00	6.00	8.00	11.00	14.00
0.15	3.108	0.3218169	0.0287890	0.70	0.50	5.303	1.775	3.00	4.00	5.00	6.00	8.00	3.276	5.574	1.888	4.00	4.00	5.00	7.00	8.00
0.15	3.108	0.3218169	0.0287890	0.60	0.50	3.730	1.012	3.00	3.00	4.00	4.00	5.00	3.276	3.903	1.047	3.00	3.00	4.00	4.00	5.00
0.15	3.108	0.3218169	0.0287890	0.50	0.50	2.870	0.686	2.00	2.00	3.00	3.00	4.00	3.276	2.977	0.688	2.00	3.00	3.00	3.00	4.00

 $ARL_0 = 370$
 $ARL_0 = 500$

Case 3 $\phi=80$																				
0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.278	351.550	53.00	117.00	257.00	512.00	834.00	2.887	500.015	480.233	66.00	154.00	350.00	690.00	1114.10
0.05	2.707	0.1806445	0.0092291	1.10	1.10	52.111	36.445	18.00	27.00	42.00	68.00	99.00	2.887	57.441	40.389	19.00	29.00	47.00	74.00	110.00
0.05	2.707	0.1806445	0.0092291	1.20	1.10	19.632	9.412	10.00	13.00	18.00	24.00	32.00	2.887	20.709	9.745	10.00	14.00	19.00	25.00	34.00
0.05	2.707	0.1806445	0.0092291	1.30	1.10	11.886	4.485	7.00	9.00	11.00	14.00	18.00	2.887	12.451	4.662	7.00	9.00	12.00	15.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	1.10	8.671	2.790	5.90	7.00	8.00	10.00	12.00	2.887	9.008	2.852	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	1.10	50.118	33.381	18.00	27.00	41.00	64.00	93.00	2.887	55.854	38.349	20.00	29.00	45.00	72.00	105.00
0.05	2.707	0.1806445	0.0092291	0.80	1.10	17.366	7.289	10.00	12.00	16.00	21.00	27.00	2.887	18.554	7.744	10.00	13.00	17.00	23.00	29.00
0.05	2.707	0.1806445	0.0092291	0.70	1.10	10.192	3.213	7.00	8.00	10.00	12.00	14.00	2.887	10.626	3.246	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	1.10	7.079	1.720	5.00	6.00	7.00	8.00	9.00	2.887	7.431	1.808	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	1.10	5.467	1.112	4.00	5.00	5.00	6.00	7.00	2.887	5.667	1.154	4.00	5.00	6.00	7.00	8.00
0.05	2.707	0.1806445	0.0092291	1.10	1.20	49.336	33.376	18.00	26.00	41.00	64.00	92.00	2.887	54.080	37.333	19.00	28.00	44.00	69.00	102.00
0.05	2.707	0.1806445	0.0092291	1.20	1.20	19.559	9.285	10.00	13.00	18.00	24.00	32.00	2.887	20.656	9.733	10.00	14.00	19.00	25.00	33.00
0.05	2.707	0.1806445	0.0092291	1.30	1.20	11.851	4.420	7.00	9.00	11.00	14.00	18.00	2.887	12.458	4.722	7.00	9.00	12.00	15.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	1.20	8.605	2.738	5.00	7.00	8.00	10.00	12.00	2.887	9.021	2.851	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	1.20	47.792	30.755	18.00	26.00	40.00	61.00	89.00	2.887	53.106	34.610	20.00	29.00	44.00	67.00	99.00
0.05	2.707	0.1806445	0.0092291	0.80	1.20	17.591	7.518	10.00	12.00	16.00	21.00	28.00	2.887	18.420	7.757	10.00	13.00	17.00	22.00	29.00
0.05	2.707	0.1806445	0.0092291	0.70	1.20	10.127	3.082	7.00	8.00	10.00	12.00	14.00	2.887	10.597	3.259	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	1.20	7.140	1.755	5.00	6.00	7.00	8.00	9.00	2.887	7.403	1.805	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	1.20	5.431	1.086	4.00	5.00	5.00	6.00	7.00	2.887	5.671	1.137	4.00	5.00	6.00	7.00	8.00
0.05	2.707	0.1806445	0.0092291	1.10	1.30	44.489	28.697	17.00	24.00	37.00	56.00	81.00	2.887	49.384	32.085	19.00	27.00	41.00	63.00	91.10
0.05	2.707	0.1806445	0.0092291	1.20	1.30	19.338	8.963	10.00	13.00	18.00	24.00	31.00	2.887	20.536	9.610	10.00	14.00	19.00	25.00	33.00
0.05	2.707	0.1806445	0.0092291	1.30	1.30	11.877	4.465	7.00	9.00	11.00	14.00	18.00	2.887	12.416	4.585	7.00	9.00	12.00	15.00	18.00
0.05	2.707	0.1806445	0.0092291	1.40	1.30	8.596	2.711	6.00	7.00	8.00	10.00	12.00	2.887	9.008	2.848	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	1.30	43.469	26.279	18.00	25.00	37.00	55.00	79.00	2.887	48.187	30.061	19.00	27.00	40.00	61.00	87.00
0.05	2.707	0.1806445	0.0092291	0.80	1.30	17.260	7.220	10.00	12.00	16.00	21.00	27.00	2.887	18.461	7.707	10.00	13.00	17.00	22.00	29.00
0.05	2.707	0.1806445	0.0092291	0.70	1.30	10.195	3.143	7.00	8.00	10.00	12.00	14.00	2.887	10.609	3.230	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	1.30	7.099	1.751	5.00	6.00	7.00	8.00	9.00	2.887	7.402	1.796	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	1.30	5.429	1.089	4.00	5.00	5.00	6.00	7.00	2.887	5.670	1.151	4.00	5.00	6.00	7.00	8.00
0.05	2.707	0.1806445	0.0092291	1.10	1.40	39.753	23.862	16.00	23.00	34.00	50.00	70.00	2.887	44.146	26.593	18.00	26.00	38.00	55.00	78.00
0.05	2.707	0.1806445	0.0092291	1.20	1.40	19.075	8.830	10.00	13.00	17.00	23.00	31.00	2.887	20.307	9.290	10.00	14.00	18.00	25.00	33.00
0.05	2.707	0.1806445	0.0092291	1.30	1.40	11.798	4.404	7.00	9.00	11.00	14.00	18.00	2.887	12.579	4.653	7.00	9.00	12.00	15.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	1.40	8.597	2.764	5.00	7.00	8.00	10.00	12.00	2.887	8.990	2.840	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	1.40	39.467	22.407	17.00	23.00	34.00	50.00	69.00	2.887	43.285	24.432	19.00	26.00	37.00	54.00	75.00
0.05	2.707	0.1806445	0.0092291	0.80	1.40	17.342	7.129	10.00	12.00	16.00	21.00	27.00	2.887	18.255	7.469	10.00	13.00	17.00	22.00	28.00
0.05	2.707	0.1806445	0.0092291	0.70	1.40	10.167	3.166	7.00	8.00	10.00	12.00	14.00	2.887	10.683	3.330	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	1.40	7.100	1.743	5.00	6.00	7.00	8.00	9.00	2.887	7.409	1.818	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	1.40	5.466	1.117	4.00	5.00	5.00	6.00	7.00	2.887	5.668	1.142	4.00	5.00	6.00	7.00	8.00
0.05	2.707	0.1806445	0.0092291	1.10	0.90	48.831	33.900	17.00	25.00	40.00	63.00	93.00	2.887	54.914	38.418	19.00	28.00	45.00	71.00	104.00
0.05	2.707	0.1806445	0.0092291	1.20	0.90	19.366	9.052	10.00	13.00	18.00	24.00	31.00	2.887	20.569	9.766	10.00	13.75	19.00	26.00	33.00
0.05	2.707	0.1806445	0.0092291	1.30	0.90	11.882	4.496	7.00	9.00	11.00	14.00	18.00	2.887	12.483	4.748	7.00	9.00	12.00	15.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	0.90	8.661	2.818	5.00	7.00	8.00	10.00	12.00	2.887	9.015	2.851	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	0.90	47.985	32.363	18.00	26.00	39.00	61.00	89.00	2.887	52.824	35.609					

0.05	2.707	0.1806445	0.0092291	0.50	0.90	5.454	1.095	4.00	5.00	5.00	6.00	7.00	2.887	5.662	1.132	4.00	5.00	6.00	6.00	7.00
0.05	2.707	0.1806445	0.0092291	1.10	0.80	41.058	26.440	15.00	22.00	35.00	53.00	75.00	2.887	44.974	29.861	17.00	24.00	37.00	57.00	84.00
0.05	2.707	0.1806445	0.0092291	1.20	0.80	18.997	8.853	10.00	13.00	17.00	23.00	31.00	2.887	20.188	9.592	10.00	13.00	18.00	25.00	33.00
0.05	2.707	0.1806445	0.0092291	1.30	0.80	11.820	4.467	7.00	9.00	11.00	14.00	18.00	2.887	12.335	4.612	7.00	9.00	12.00	15.00	18.00
0.05	2.707	0.1806445	0.0092291	1.40	0.80	8.623	2.738	6.00	7.00	8.00	10.00	12.00	2.887	8.960	2.839	6.00	7.00	9.00	11.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	0.80	40.382	25.263	16.00	23.00	34.00	51.00	73.00	2.887	44.755	28.568	17.00	25.00	37.00	57.00	82.00
0.05	2.707	0.1806445	0.0092291	0.80	0.80	17.033	7.018	10.00	12.00	16.00	21.00	26.00	2.887	18.070	7.350	10.00	13.00	17.00	22.00	28.00
0.05	2.707	0.1806445	0.0092291	0.70	0.80	10.046	3.052	7.00	8.00	10.00	12.00	14.00	2.887	10.550	3.230	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	0.80	7.118	1.752	5.00	6.00	7.00	8.00	9.00	2.887	7.427	1.803	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	0.80	5.458	1.111	4.00	5.00	5.00	6.00	7.00	2.887	5.670	1.126	4.00	5.00	6.00	6.00	7.00
0.05	2.707	0.1806445	0.0092291	1.10	0.70	30.649	17.814	13.00	18.00	26.00	39.00	54.00	2.887	33.680	19.856	14.00	19.00	29.00	43.00	60.00
0.05	2.707	0.1806445	0.0092291	1.20	0.70	17.790	7.880	9.00	12.00	16.00	22.00	28.00	2.887	18.890	8.446	10.00	13.00	17.00	23.00	30.00
0.05	2.707	0.1806445	0.0092291	1.30	0.70	11.580	4.193	7.00	9.00	11.00	14.00	17.00	2.887	12.093	4.384	7.00	9.00	11.00	14.00	18.00
0.05	2.707	0.1806445	0.0092291	1.40	0.70	8.576	2.727	6.00	7.00	8.00	10.00	12.00	2.887	8.969	2.790	6.00	7.00	9.00	10.00	13.00
0.05	2.707	0.1806445	0.0092291	0.90	0.70	30.809	17.574	13.00	18.00	27.00	39.00	54.00	2.887	33.635	19.370	14.00	20.00	29.00	42.00	58.00
0.05	2.707	0.1806445	0.0092291	0.80	0.70	16.361	6.556	9.00	12.00	15.00	19.00	25.00	2.887	17.216	6.916	10.00	12.00	16.00	21.00	26.00
0.05	2.707	0.1806445	0.0092291	0.70	0.70	10.081	3.064	7.00	8.00	10.00	12.00	14.00	2.887	10.526	3.163	7.00	8.00	10.00	12.00	15.00
0.05	2.707	0.1806445	0.0092291	0.60	0.70	7.094	1.741	5.00	6.00	7.00	8.00	9.00	2.887	7.400	1.785	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	0.70	5.441	1.104	4.00	5.00	5.00	6.00	7.00	2.887	5.642	1.124	4.00	5.00	5.00	6.00	7.00
0.05	2.707	0.1806445	0.0092291	1.10	0.60	22.387	11.707	10.00	14.00	20.00	28.00	38.00	2.887	23.756	12.646	11.00	15.00	21.00	30.00	40.00
0.05	2.707	0.1806445	0.0092291	1.20	0.60	15.856	6.704	9.00	11.00	15.00	19.00	25.00	2.887	16.649	7.012	9.00	12.00	15.00	20.00	26.00
0.05	2.707	0.1806445	0.0092291	1.30	0.60	11.217	4.000	7.00	8.00	11.00	13.00	16.00	2.887	11.815	4.146	7.00	9.00	11.00	14.00	17.00
0.05	2.707	0.1806445	0.0092291	1.40	0.60	8.499	2.616	5.00	7.00	8.00	10.00	12.00	2.887	8.862	2.699	6.00	7.00	9.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.90	0.60	22.267	11.558	10.00	14.00	20.00	28.00	38.00	2.887	23.843	12.265	11.00	15.00	21.00	30.00	40.00
0.05	2.707	0.1806445	0.0092291	0.80	0.60	14.914	5.741	9.00	11.00	14.00	18.00	22.00	2.887	15.805	5.974	9.00	12.00	15.00	19.00	24.00
0.05	2.707	0.1806445	0.0092291	0.70	0.60	9.823	2.903	7.00	8.00	9.00	11.00	14.00	2.887	10.331	3.024	7.00	8.00	10.00	12.00	14.00
0.05	2.707	0.1806445	0.0092291	0.60	0.60	7.054	1.723	5.00	6.00	7.00	8.00	9.00	2.887	7.349	1.748	5.00	6.00	7.00	8.00	10.00
0.05	2.707	0.1806445	0.0092291	0.50	0.60	5.438	1.084	4.00	5.00	5.00	6.00	7.00	2.887	5.663	1.135	4.00	5.00	6.00	6.00	7.00
0.05	2.707	0.1806445	0.0092291	1.10	0.50	15.826	7.506	8.00	10.00	14.00	19.00	26.00	2.887	16.888	8.078	8.00	11.00	15.00	21.00	28.00
0.05	2.707	0.1806445	0.0092291	1.20	0.50	13.433	5.367	7.00	10.00	12.00	16.00	21.00	2.887	14.192	5.564	8.00	10.00	13.00	17.00	22.00
0.05	2.707	0.1806445	0.0092291	1.30	0.50	10.398	3.462	6.00	8.00	10.00	12.00	15.00	2.887	10.966	3.702	7.00	8.00	10.00	13.00	16.00
0.05	2.707	0.1806445	0.0092291	1.40	0.50	8.221	2.461	5.00	6.00	8.00	10.00	11.00	2.887	8.663	2.576	6.00	7.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.90	0.50	16.037	7.534	8.00	11.00	14.00	20.00	26.00	2.887	16.960	8.058	9.00	11.00	15.00	21.00	27.00
0.05	2.707	0.1806445	0.0092291	0.80	0.50	12.937	4.699	8.00	9.75	12.00	16.00	19.00	2.887	13.645	4.930	8.00	10.00	13.00	16.00	20.00
0.05	2.707	0.1806445	0.0092291	0.70	0.50	9.508	2.749	6.00	8.00	9.00	11.00	13.00	2.887	9.914	2.839	7.00	8.00	9.00	11.00	14.00
0.05	2.707	0.1806445	0.0092291	0.60	0.50	6.999	1.642	5.00	6.00	7.00	8.00	9.00	2.887	7.304	1.683	5.00	6.00	7.00	8.00	9.00
0.05	2.707	0.1806445	0.0092291	0.50	0.50	5.439	1.106	4.00	5.00	5.00	6.00	7.00	2.887	5.654	1.133	4.00	5.00	5.00	6.00	7.00
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.285	363.063	47.00	111.00	257.00	509.00	827.00	3.165	500.538	486.596	61.00	147.00	346.00	702.00	1148.00
0.10	2.989	0.2591572	0.0188247	1.10	1.10	60.286	50.640	14.00	25.00	45.00	80.00	126.00	3.165	69.672	59.006	16.00	28.00	52.00	93.00	146.10
0.10	2.989	0.2591572	0.0188247	1.20	1.10	19.220	11.610	8.00	11.00	16.00	25.00	34.00	3.165	20.613	12.778	8.00	12.00	17.00	26.00	37.00
0.10	2.989	0.2591572	0.0188247	1.30	1.10	10.620	5.018	5.00	7.00	10.00	13.00	17.00	3.165	11.277	5.335	6.00	8.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	1.10	7.379	2.903	4.00	5.00	7.00	9.00	11.00	3.165	7.777	3.062	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	1.10	63.016	51.049	16.00	26.00	48.00	83.00	131.00	3.165	74.811	62.526	18.00	31.00	56.00	100.00	156.00
0.10	2.989	0.2591572	0.0188247	0.80	1.10	16.971	9.124	8.00	11.00	15.00	21.00	29.00	3.165	18.257	9.781	8.00	11.00	16.00	23.00	31.00
0.10	2.989	0.2591572	0.0188247	0.70	1.10	8.944	3.484	5.00	6.00	8.00	11.00	13.00	3.165	9.329	3.564	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	1.10	5.968	1.781	4.00	5.00	6.00	7.00	8.00	3.165	6.252	1.848	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	1.10	4.484	1.086	3.00	4.00	4.00	5.00	6.00	3.165	4.624	1.101	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	1.20	57.592	47.134	15.00	24.00	44.00	76.00	118.00	3.165	66.256	55.463	16.00	27.00	50.00	88.00	139.00
0.10	2.989	0.2591572	0.0188247	1.20	1.20	19.028	11.496	8.00	11.00	16.00	24.00	34.00	3.165	20.387	12.474	8.00	12.00	17.00	26.00	37.00
0.10	2.989	0.2591572	0.0188247	1.30	1.20	10.657	5.062	5.00	7.00	10.00	13.00	17.00	3.165	11.322	5.387	6.00	8.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	1.20	7.422	2.901	4.00	5.00	7.00	9.00	11.00	3.165	7.759	3.033	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	1.20	60.285	48.644	16.00	26.00	46.00	80.00	121.00	3.165	72.526	60.283	18.00	30.00	55.00	95.00	151.00
0.10	2.989	0.2591572	0.0188247	0.80	1.20	16.792	8.975	8.00	10.00	14.00	21.00	29.00	3.165	18.117	9.791	8.00	11.00	16.00	23.00	31.00
0.10	2.989	0.2591572	0.0188247	0.70	1.20	8.936	3.414	5.00	6.00	8.00	11.00	13.00	3.165	9.308	3.520	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	1.20	5.971	1.809	4.00	5.00	6.00	7.00	8.00	3.165	6.204	1.832	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	1.20	4.480	1.082	3.00	4.00	4.00	5.00	6.00	3.165	4.644	1.119	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	1.30	52.983	42.788	14.00	23.00	41.00	70.00	109.00	3.165	60.610						

0.10	2.989	0.2591572	0.0188247	0.70	1.30	8.937	3.443	5.00	6.00	8.00	11.00	13.00	3.165	9.406	3.619	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	1.30	5.939	1.796	4.00	5.00	6.00	7.00	8.00	3.165	6.206	1.843	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	1.30	4.486	1.101	3.00	4.00	4.00	5.00	6.00	3.165	4.656	1.114	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	1.40	47.255	36.025	14.00	22.00	37.00	63.00	94.00	3.165	55.926	44.460	15.00	25.00	43.00	74.00	114.00
0.10	2.989	0.2591572	0.0188247	1.20	1.40	18.736	11.114	8.00	11.00	16.00	24.00	33.00	3.165	19.995	11.947	8.00	11.00	17.00	25.00	36.00
0.10	2.989	0.2591572	0.0188247	1.30	1.40	10.569	5.025	5.00	7.00	10.00	13.00	17.00	3.165	11.155	5.181	6.00	7.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	1.40	7.386	2.931	4.00	5.00	7.00	9.00	11.00	3.165	7.786	3.039	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	1.40	50.135	38.522	15.00	23.00	39.00	65.00	100.00	3.165	59.460	46.614	17.00	27.00	45.00	78.00	120.00
0.10	2.989	0.2591572	0.0188247	0.80	1.40	16.694	8.758	8.00	10.00	15.00	21.00	28.00	3.165	17.947	9.393	9.00	11.00	16.00	22.00	30.00
0.10	2.989	0.2591572	0.0188247	0.70	1.40	8.883	3.416	5.00	6.00	8.00	10.00	13.00	3.165	9.336	3.555	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	1.40	5.971	1.783	4.00	5.00	6.00	7.00	8.00	3.165	6.231	1.851	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	1.40	4.467	1.090	3.00	4.00	4.00	5.00	6.00	3.165	4.648	1.108	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	0.90	53.616	43.489	14.00	23.00	41.00	72.00	111.00	3.165	61.229	51.395	15.00	25.00	46.00	81.00	128.00
0.10	2.989	0.2591572	0.0188247	1.20	0.90	18.767	11.535	8.00	11.00	16.00	23.00	34.00	3.165	20.152	12.340	8.00	12.00	17.00	25.00	36.00
0.10	2.989	0.2591572	0.0188247	1.30	0.90	10.538	5.034	5.00	7.00	9.00	13.00	17.00	3.165	11.170	5.312	6.00	7.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	0.90	7.345	2.842	4.00	5.00	7.00	9.00	11.00	3.165	7.750	3.039	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	0.90	58.509	48.302	15.00	25.00	44.00	77.00	119.00	3.165	67.150	55.390	17.00	28.00	51.00	88.00	139.00
0.10	2.989	0.2591572	0.0188247	0.80	0.90	16.644	8.990	8.00	10.00	14.00	21.00	28.00	3.165	18.148	10.010	8.00	11.00	16.00	22.00	31.00
0.10	2.989	0.2591572	0.0188247	0.70	0.90	8.837	3.425	5.00	6.00	8.00	10.00	13.00	3.165	9.397	3.603	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	0.90	5.961	1.774	4.00	5.00	6.00	7.00	8.00	3.165	6.241	1.854	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	0.90	4.475	1.085	3.00	4.00	4.00	5.00	6.00	3.165	4.646	1.137	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	0.80	43.264	34.146	12.00	19.00	34.00	57.00	87.00	3.165	49.387	39.399	13.00	22.00	38.00	64.25	101.00
0.10	2.989	0.2591572	0.0188247	1.20	0.80	18.025	10.926	7.00	10.00	15.00	23.00	32.00	3.165	19.464	11.697	8.00	11.00	17.00	24.00	34.00
0.10	2.989	0.2591572	0.0188247	1.30	0.80	10.529	4.870	5.00	7.00	10.00	13.00	17.00	3.165	11.176	5.280	6.00	7.00	10.00	14.00	18.00
0.10	2.989	0.2591572	0.0188247	1.40	0.80	7.353	2.836	4.00	5.00	7.00	9.00	11.00	3.165	7.748	3.036	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	0.80	45.163	35.222	13.00	21.00	35.00	58.00	91.00	3.165	52.076	40.407	15.00	23.00	40.00	68.00	106.00
0.10	2.989	0.2591572	0.0188247	0.80	0.80	16.296	8.620	8.00	10.00	14.00	20.00	28.00	3.165	17.723	9.452	8.00	11.00	16.00	22.00	30.10
0.10	2.989	0.2591572	0.0188247	0.70	0.80	8.866	3.434	5.00	6.00	8.00	11.00	13.00	3.165	9.285	3.604	5.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	0.80	5.972	1.760	4.00	5.00	6.00	7.00	8.00	3.165	6.230	1.831	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	0.80	4.486	1.107	3.00	4.00	4.00	5.00	6.00	3.165	4.653	1.106	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	0.70	31.181	22.479	10.00	15.00	25.00	40.00	60.00	3.165	34.294	25.108	11.00	16.00	27.00	45.00	67.00
0.10	2.989	0.2591572	0.0188247	1.20	0.70	16.541	9.348	7.00	10.00	14.00	21.00	29.00	3.165	18.022	10.246	8.00	11.00	16.00	23.00	32.00
0.10	2.989	0.2591572	0.0188247	1.30	0.70	10.225	4.727	5.00	7.00	9.00	12.00	16.00	3.165	10.818	4.909	6.00	7.00	10.00	13.00	17.00
0.10	2.989	0.2591572	0.0188247	1.40	0.70	7.291	2.798	4.00	5.00	7.00	9.00	11.00	3.165	7.706	2.998	4.00	6.00	7.00	9.00	12.00
0.10	2.989	0.2591572	0.0188247	0.90	0.70	31.801	22.855	10.00	16.00	26.00	41.00	62.00	3.165	35.668	26.316	11.00	17.00	28.00	46.00	69.00
0.10	2.989	0.2591572	0.0188247	0.80	0.70	15.122	7.868	7.00	10.00	13.00	19.00	25.00	3.165	16.295	8.273	8.00	10.00	14.00	20.00	27.00
0.10	2.989	0.2591572	0.0188247	0.70	0.70	8.723	3.282	5.00	6.00	8.00	10.00	13.00	3.165	9.165	3.409	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.60	0.70	5.946	1.760	4.00	5.00	6.00	7.00	8.00	3.165	6.210	1.851	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	0.70	4.481	1.085	3.00	4.00	4.00	5.00	6.00	3.165	4.647	1.099	3.00	4.00	4.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	0.60	20.775	13.524	8.00	11.00	17.00	27.00	39.00	3.165	22.761	14.943	8.00	12.00	19.00	29.00	43.00
0.10	2.989	0.2591572	0.0188247	1.20	0.60	14.142	7.510	7.00	9.00	12.00	18.00	24.00	3.165	15.126	8.025	7.00	9.00	13.00	19.00	26.00
0.10	2.989	0.2591572	0.0188247	1.30	0.60	9.753	4.298	5.00	7.00	9.00	12.00	15.00	3.165	10.334	4.621	5.00	7.00	9.00	13.00	16.00
0.10	2.989	0.2591572	0.0188247	1.40	0.60	7.201	2.724	4.00	5.00	7.00	9.00	11.00	3.165	7.553	2.857	4.00	6.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.90	0.60	21.443	14.093	8.00	12.00	18.00	27.00	39.00	3.165	23.396	15.361	9.00	13.00	19.00	30.00	43.00
0.10	2.989	0.2591572	0.0188247	0.80	0.60	13.510	6.538	7.00	9.00	12.00	17.00	22.00	3.165	14.405	6.997	7.00	9.00	13.00	18.00	24.00
0.10	2.989	0.2591572	0.0188247	0.70	0.60	8.488	3.114	5.00	6.00	8.00	10.00	13.00	3.165	8.948	3.263	5.00	7.00	8.00	11.00	13.00
0.10	2.989	0.2591572	0.0188247	0.60	0.60	5.904	1.686	4.00	5.00	6.00	7.00	8.00	3.165	6.153	1.791	4.00	5.00	6.00	7.00	9.00
0.10	2.989	0.2591572	0.0188247	0.50	0.60	4.461	1.062	3.00	4.00	4.00	5.00	6.00	3.165	4.654	1.106	3.00	4.00	5.00	5.00	6.00
0.10	2.989	0.2591572	0.0188247	1.10	0.50	14.484	8.330	6.00	9.00	12.00	18.00	25.00	3.165	15.264	8.892	6.90	9.00	13.00	19.00	27.00
0.10	2.989	0.2591572	0.0188247	1.20	0.50	11.703	5.727	6.00	8.00	10.00	14.00	19.00	3.165	12.483	6.228	6.00	8.00	11.00	15.00	21.00
0.10	2.989	0.2591572	0.0188247	1.30	0.50	8.863	3.703	5.00	6.00	8.00	11.00	14.00	3.165	9.437	3.979	5.00	7.00	9.00	11.00	15.00
0.10	2.989	0.2591572	0.0188247	1.40	0.50	6.908	2.509	4.00	5.00	6.00	8.00	10.00	3.165	7.225	2.612	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.90	0.50	14.488	8.426	6.00	8.00	12.00	18.00	26.00	3.165	15.451	9.031	7.00	9.00	13.00	19.00	27.00
0.10	2.989	0.2591572	0.0188247	0.80	0.50	11.303	5.201	6.00	8.00	10.00	14.00	18.00	3.165	12.050	5.563	6.00	8.00	11.00	15.00	19.00
0.10	2.989	0.2591572	0.0188247	0.70	0.50	7.946	2.735	5.00	6.00	7.00	9.00	12.00	3.165	8.424	2.971	5.00	6.00	8.00	10.00	12.00
0.10	2.989	0.2591572	0.0188247	0.60	0.50	5.788	1.653	4.00	5.00	6.00	7.00	8.00	3.165	6.084	1.709	4.00	5.00	6.00	7.00	8.00
0.10	2.989	0.2591572	0.0188247	0.50	0.50	4.448	1.051	3.00	4.00	4.00	5.00	6.00	3.165	4.632	1.090	3.00	4.00	4.00	5.00	6.00
0.15	3.1																			

0.15	3.117	0.3219652	0.0288123	0.90	1.10	83.075	74.191	16.00	30.00	60.00	113.00	181.00	3.290	101.667	93.637	19.00	36.00	72.00	137.00	223.00
0.15	3.117	0.3219652	0.0288123	0.80	1.10	18.048	11.439	7.00	10.00	15.00	23.00	33.00	3.290	19.596	12.740	8.00	11.00	16.00	25.00	36.00
0.15	3.117	0.3219652	0.0288123	0.70	1.10	8.540	3.854	5.00	6.00	8.00	10.00	14.00	3.290	9.081	4.100	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	1.10	5.471	1.870	3.00	4.00	5.00	6.00	8.00	3.290	5.722	1.951	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	1.10	4.034	1.096	3.00	3.00	4.00	5.00	5.00	3.290	4.195	1.123	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	1.20	67.257	58.497	14.00	25.00	50.00	91.00	147.00	3.290	80.539	73.851	15.00	29.00	59.00	108.00	174.00
0.15	3.117	0.3219652	0.0288123	1.20	1.20	20.131	14.295	7.00	10.00	16.00	26.00	39.00	3.290	21.816	15.674	7.00	11.00	17.00	28.00	42.00
0.15	3.117	0.3219652	0.0288123	1.30	1.20	10.488	5.867	5.00	6.00	9.00	13.00	18.00	3.290	11.132	6.231	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	1.20	6.980	3.152	4.00	5.00	6.00	9.00	11.00	3.290	7.288	3.348	4.00	5.00	7.00	9.00	12.00
0.15	3.117	0.3219652	0.0288123	0.90	1.20	80.786	71.441	16.00	30.00	59.00	109.00	175.00	3.290	100.330	91.768	19.00	35.00	72.00	136.00	220.00
0.15	3.117	0.3219652	0.0288123	0.80	1.20	18.163	11.637	7.00	10.00	15.00	23.00	33.00	3.290	19.895	12.909	8.00	11.00	16.00	25.00	37.00
0.15	3.117	0.3219652	0.0288123	0.70	1.20	8.537	3.892	5.00	6.00	8.00	10.00	14.00	3.290	9.050	4.056	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	1.20	5.500	1.881	4.00	4.00	5.00	6.00	8.00	3.290	5.757	1.965	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	1.20	4.041	1.106	3.00	3.00	4.00	5.00	5.00	3.290	4.196	1.146	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	1.30	64.292	57.241	13.00	24.00	47.00	86.00	138.00	3.290	76.773	68.322	15.00	28.00	55.00	104.00	169.00
0.15	3.117	0.3219652	0.0288123	1.20	1.30	19.984	13.897	7.00	10.00	16.00	26.00	39.00	3.290	21.715	15.213	7.00	11.00	18.00	28.00	42.00
0.15	3.117	0.3219652	0.0288123	1.30	1.30	10.360	5.789	5.00	6.00	9.00	13.00	18.00	3.290	11.049	6.229	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	1.30	6.947	3.154	4.00	5.00	6.00	8.00	11.00	3.290	7.294	3.268	4.00	5.00	7.00	9.00	12.00
0.15	3.117	0.3219652	0.0288123	0.90	1.30	77.595	69.525	16.00	29.00	56.00	104.00	166.00	3.290	95.680	86.016	19.00	35.00	70.00	131.00	206.00
0.15	3.117	0.3219652	0.0288123	0.80	1.30	18.063	11.437	7.00	10.00	15.00	23.00	33.00	3.290	19.722	12.466	8.00	11.00	16.00	25.00	37.00
0.15	3.117	0.3219652	0.0288123	0.70	1.30	8.538	3.766	5.00	6.00	8.00	10.00	14.00	3.290	9.066	4.079	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	1.30	5.490	1.869	4.00	4.00	5.00	6.00	8.00	3.290	5.735	1.963	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	1.30	4.038	1.089	3.00	3.00	4.00	5.00	5.00	3.290	4.223	1.158	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	1.40	60.072	51.999	13.00	23.00	44.00	81.00	128.00	3.290	72.699	65.063	15.00	27.00	53.00	97.00	156.00
0.15	3.117	0.3219652	0.0288123	1.20	1.40	19.719	13.674	7.00	10.00	16.00	25.00	38.00	3.290	21.740	15.178	7.00	11.00	18.00	28.00	42.00
0.15	3.117	0.3219652	0.0288123	1.30	1.40	10.389	5.757	5.00	6.00	9.00	13.00	18.00	3.290	11.155	6.154	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	1.40	6.948	3.128	4.00	5.00	6.00	9.00	11.00	3.290	7.248	3.270	4.00	5.00	7.00	9.00	12.00
0.15	3.117	0.3219652	0.0288123	0.90	1.40	71.116	63.365	16.00	27.00	51.00	95.00	152.00	3.290	89.490	78.776	18.00	33.00	66.00	121.00	191.00
0.15	3.117	0.3219652	0.0288123	0.80	1.40	17.984	11.420	7.00	10.00	15.00	23.00	33.00	3.290	19.622	12.536	8.00	11.00	16.00	25.00	36.00
0.15	3.117	0.3219652	0.0288123	0.70	1.40	8.522	3.820	5.00	6.00	8.00	10.00	14.00	3.290	9.087	4.049	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	1.40	5.481	1.880	4.00	4.00	5.00	6.00	8.00	3.290	5.803	2.001	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	1.40	4.024	1.088	3.00	3.00	4.00	5.00	5.00	3.290	4.186	1.128	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	0.90	60.091	53.462	12.00	22.00	44.00	80.00	130.00	3.290	71.050	63.361	14.00	26.00	52.00	97.00	152.00
0.15	3.117	0.3219652	0.0288123	1.20	0.90	19.802	13.757	7.00	10.00	16.00	26.00	38.00	3.290	21.685	15.532	7.00	11.00	17.00	28.00	42.00
0.15	3.117	0.3219652	0.0288123	1.30	0.90	10.375	5.705	5.00	6.00	9.00	13.00	18.00	3.290	10.941	6.054	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	0.90	6.920	3.147	4.00	5.00	6.00	8.00	11.00	3.290	7.317	3.354	4.00	5.00	7.00	9.00	12.00
0.15	3.117	0.3219652	0.0288123	0.90	0.90	70.739	62.190	15.00	26.00	52.00	95.00	151.00	3.290	86.699	78.071	17.00	32.00	63.00	117.00	188.00
0.15	3.117	0.3219652	0.0288123	0.80	0.90	17.985	11.451	7.00	10.00	15.00	23.00	33.00	3.290	19.763	12.825	8.00	11.00	16.00	25.00	36.00
0.15	3.117	0.3219652	0.0288123	0.70	0.90	8.455	3.803	5.00	6.00	8.00	10.00	13.00	3.290	9.082	4.137	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	0.90	5.483	1.863	4.00	4.00	5.00	6.00	8.00	3.290	5.742	1.990	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	0.90	4.038	1.098	3.00	3.00	4.00	5.00	5.00	3.290	4.192	1.122	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	0.80	47.997	41.555	11.00	19.00	35.00	64.00	101.00	3.290	56.220	48.215	12.00	22.00	42.00	76.00	120.00
0.15	3.117	0.3219652	0.0288123	1.20	0.80	18.667	12.903	7.00	10.00	15.00	24.00	35.00	3.290	20.339	14.143	7.00	10.00	17.00	26.00	39.00
0.15	3.117	0.3219652	0.0288123	1.30	0.80	10.207	5.660	5.00	6.00	9.00	13.00	18.00	3.290	10.909	5.988	5.00	7.00	10.00	14.00	19.00
0.15	3.117	0.3219652	0.0288123	1.40	0.80	6.877	3.059	4.00	5.00	6.00	8.00	11.00	3.290	7.286	3.245	4.00	5.00	7.00	9.00	12.00
0.15	3.117	0.3219652	0.0288123	0.90	0.80	53.687	46.171	12.00	21.00	40.00	72.00	113.00	3.290	64.449	57.648	14.00	25.00	47.00	85.00	138.00
0.15	3.117	0.3219652	0.0288123	0.80	0.80	17.117	10.592	7.00	10.00	14.00	22.00	31.00	3.290	18.839	11.926	8.00	10.00	16.00	24.00	34.00
0.15	3.117	0.3219652	0.0288123	0.70	0.80	8.459	3.743	5.00	6.00	8.00	10.00	13.00	3.290	8.958	3.967	5.00	6.00	8.00	11.00	14.00
0.15	3.117	0.3219652	0.0288123	0.60	0.80	5.482	1.843	4.00	4.00	5.00	6.00	8.00	3.290	5.722	1.938	4.00	4.00	5.00	7.00	8.00
0.15	3.117	0.3219652	0.0288123	0.50	0.80	4.035	1.082	3.00	3.00	4.00	5.00	5.00	3.290	4.179	1.120	3.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	1.10	0.70	31.993	25.413	9.00	14.00	25.00	42.00	65.00	3.290	37.449	30.374	9.00	16.00	28.00	49.00	78.00
0.15	3.117	0.3219652	0.0288123	1.20	0.70	16.846	10.934	6.00	9.00	14.00	22.00	31.00	3.290	18.426	12.484	7.00	10.00	15.00	24.00	34.00
0.15	3.117	0.3219652	0.0288123	1.30	0.70	9.865	5.191	5.00	6.00	9.00	12.00	17.00	3.290	10.528	5.652	5.00	6.00	9.00	13.00	18.00
0.15	3.117	0.3219652	0.0288123	1.40	0.70	6.852	3.033	4.00	5.00	6.00	8.00	11.00	3.290	7.226	3.217	4.00	5.00	7.00	9.00	11.00
0.15	3.117	0.3219652	0.0288123	0.90	0.70	34.544	27.884	9.00	15.00	26.00	45.00	71.00	3.290	40.352	32.725	10.00	17.00	31.00	53.25	83.00
0.15	3.117	0.3219652	0.0288123	0.80	0.70	15.676	9.489	6.00	9.00	13.00	20.00	28.00	3.290	17.203	10.525	7.00	10.00	14.00	22.00	31.00
0.15	3.117	0.3219652	0.0288123	0.70	0.70	8.355	3.698	5.00	6.00	8.00	10.00	13.00	3.290							

0.15	3.117	0.3219652	0.0288123	1.40	0.60	6.654	2.872	4.00	5.00	6.00	8.00	10.00	3.290	6.983	3.017	4.00	5.00	6.00	8.00	11.00		
0.15	3.117	0.3219652	0.0288123	0.90	0.60	21.838	15.797	7.00	11.00	17.00	28.00	43.00	3.290	24.742	18.196	8.00	12.00	19.00	32.00	49.00		
0.15	3.117	0.3219652	0.0288123	0.80	0.60	13.546	7.807	6.00	8.00	12.00	17.00	24.00	3.290	14.680	8.550	6.00	9.00	13.00	18.00	26.00		
0.15	3.117	0.3219652	0.0288123	0.70	0.60	8.062	3.436	4.00	6.00	7.00	10.00	13.00	3.290	8.438	3.624	5.00	6.00	8.00	10.00	13.00		
0.15	3.117	0.3219652	0.0288123	0.60	0.60	5.410	1.799	3.00	4.00	5.00	6.00	8.00	3.290	5.647	1.872	4.00	4.00	5.00	7.00	8.00		
0.15	3.117	0.3219652	0.0288123	0.50	0.60	4.034	1.088	3.00	3.00	4.00	5.00	5.00	3.290	4.176	1.128	3.00	3.00	4.00	5.00	6.00		
0.15	3.117	0.3219652	0.0288123	1.10	0.50	13.901	8.939	5.00	8.00	11.00	18.00	26.00	3.290	15.186	10.058	6.00	8.00	12.00	20.00	28.00		
0.15	3.117	0.3219652	0.0288123	1.20	0.50	11.092	6.287	5.00	7.00	10.00	14.00	19.00	3.290	12.002	6.897	5.00	7.00	10.00	15.00	21.00		
0.15	3.117	0.3219652	0.0288123	1.30	0.50	8.354	3.994	4.00	5.00	7.50	10.00	14.00	3.290	8.921	4.263	5.00	6.00	8.00	11.00	14.00		
0.15	3.117	0.3219652	0.0288123	1.40	0.50	6.374	2.672	4.00	4.00	6.00	8.00	10.00	3.290	6.690	2.791	4.00	5.00	6.00	8.00	10.00		
0.15	3.117	0.3219652	0.0288123	0.90	0.50	14.084	9.058	5.00	8.00	12.00	18.00	26.00	3.290	15.446	9.939	6.00	8.00	13.00	20.00	28.00		
0.15	3.117	0.3219652	0.0288123	0.80	0.50	10.989	5.876	5.00	7.00	10.00	14.00	19.00	3.290	11.781	6.406	5.00	7.00	10.00	15.00	20.00		
0.15	3.117	0.3219652	0.0288123	0.70	0.50	7.467	3.085	4.00	5.00	7.00	9.00	12.00	3.290	7.933	3.272	4.00	6.00	7.00	9.00	12.00		
0.15	3.117	0.3219652	0.0288123	0.60	0.50	5.303	1.722	3.00	4.00	5.00	6.00	8.00	3.290	5.543	1.805	4.00	4.00	5.00	6.00	8.00		
0.15	3.117	0.3219652	0.0288123	0.50	0.50	4.010	1.055	3.00	3.00	4.00	5.00	5.00	3.290	4.161	1.098	3.00	3.00	4.00	5.00	6.00		
ARL₀ = 370													ARL₀ = 500									
Case 4																						
$\phi=31$																						
0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.431	354.684	54.00	118.00	261.00	511.00	821.10	2.898	500.250	473.620	68.00	158.00	352.00	690.00	1129.10		
0.05	2.704	0.1807397	0.0092360	1.10	1.10	98.162	80.724	25.00	42.00	74.50	130.00	201.00	2.898	114.645	97.605	27.00	46.00	85.00	153.00	241.00		
0.05	2.704	0.1807397	0.0092360	1.20	1.10	37.805	23.900	14.00	21.00	32.00	48.00	69.00	2.898	41.607	27.007	16.00	23.00	34.00	53.00	78.00		
0.05	2.704	0.1807397	0.0092360	1.30	1.10	21.892	11.158	10.00	14.00	19.00	27.00	37.00	2.898	23.183	11.746	11.00	15.00	21.00	29.00	39.00		
0.05	2.704	0.1807397	0.0092360	1.40	1.10	15.259	6.702	8.00	11.00	14.00	19.00	24.00	2.898	16.093	6.906	9.00	11.00	15.00	20.00	25.00		
0.05	2.704	0.1807397	0.0092360	0.90	1.10	104.570	83.559	28.00	45.00	80.50	137.00	215.00	2.898	122.646	99.865	32.00	52.00	94.00	162.00	252.00		
0.05	2.704	0.1807397	0.0092360	0.80	1.10	34.200	19.192	15.00	21.00	30.00	43.00	59.00	2.898	37.271	21.400	17.00	22.00	32.00	46.00	65.00		
0.05	2.704	0.1807397	0.0092360	0.70	1.10	18.332	7.748	10.00	13.00	17.00	22.00	28.00	2.898	19.471	8.120	11.00	14.00	18.00	23.00	30.00		
0.05	2.704	0.1807397	0.0092360	0.60	1.10	12.264	4.003	8.00	9.00	12.00	14.00	17.00	2.898	12.862	4.163	8.00	10.00	12.00	15.00	18.00		
0.05	2.704	0.1807397	0.0092360	0.50	1.10	9.083	2.423	6.00	7.00	9.00	10.00	12.00	2.898	9.550	2.492	7.00	8.00	9.00	11.00	13.00		
0.05	2.704	0.1807397	0.0092360	1.10	1.20	83.046	66.141	24.00	37.00	64.00	109.00	168.00	2.898	97.362	76.819	27.00	43.00	76.00	127.00	198.00		
0.05	2.704	0.1807397	0.0092360	1.20	1.20	36.793	22.642	14.00	21.00	31.00	47.00	66.00	2.898	40.471	25.141	16.00	23.00	34.00	51.00	73.00		
0.05	2.704	0.1807397	0.0092360	1.30	1.20	21.527	10.738	10.00	14.00	19.00	27.00	36.00	2.898	23.194	11.791	11.00	15.00	21.00	29.00	39.00		
0.05	2.704	0.1807397	0.0092360	1.40	1.20	15.264	6.553	8.00	11.00	14.00	19.00	24.00	2.898	16.196	6.965	9.00	11.00	15.00	20.00	25.00		
0.05	2.704	0.1807397	0.0092360	0.90	1.20	89.450	68.695	27.00	42.00	70.00	116.00	177.00	2.898	105.168	84.024	30.00	47.00	81.00	137.00	213.00		
0.05	2.704	0.1807397	0.0092360	0.80	1.20	33.525	18.718	15.00	20.00	29.00	42.00	58.00	2.898	36.574	20.137	16.00	22.00	32.00	46.00	63.00		
0.05	2.704	0.1807397	0.0092360	0.70	1.20	18.339	7.690	10.00	13.00	17.00	22.00	28.00	2.898	19.528	8.080	11.00	14.00	18.00	23.00	30.00		
0.05	2.704	0.1807397	0.0092360	0.60	1.20	12.231	3.991	8.00	9.00	11.00	14.00	17.00	2.898	12.925	4.141	8.00	10.00	12.00	15.00	19.00		
0.05	2.704	0.1807397	0.0092360	0.50	1.20	9.068	2.407	6.00	7.00	9.00	10.00	12.00	2.898	9.540	2.534	7.00	8.00	9.00	11.00	13.00		
0.05	2.704	0.1807397	0.0092360	1.10	1.30	66.061	47.278	22.00	33.00	53.00	84.00	128.00	2.898	76.818	57.106	24.00	37.00	61.00	100.00	150.00		
0.05	2.704	0.1807397	0.0092360	1.20	1.30	34.873	20.831	14.00	20.00	30.00	44.00	63.00	2.898	38.374	23.466	15.00	22.00	33.00	48.00	69.00		
0.05	2.704	0.1807397	0.0092360	1.30	1.30	21.180	10.432	10.00	14.00	19.00	26.00	35.00	2.898	22.903	11.392	11.00	15.00	20.00	29.00	38.00		
0.05	2.704	0.1807397	0.0092360	1.40	1.30	15.152	6.423	8.00	11.00	14.00	19.00	24.00	2.898	15.981	6.799	9.00	11.00	15.00	20.00	25.00		
0.05	2.704	0.1807397	0.0092360	0.90	1.30	69.653	49.034	24.00	35.00	57.00	88.00	133.00	2.898	81.845	59.885	26.00	40.00	64.00	106.00	160.00		
0.05	2.704	0.1807397	0.0092360	0.80	1.30	32.163	17.097	15.00	20.00	28.00	40.00	54.00	2.898	35.456	19.076	16.00	22.00	31.00	44.00	61.00		
0.05	2.704	0.1807397	0.0092360	0.70	1.30	18.137	7.396	10.00	13.00	17.00	22.00	28.00	2.898	19.412	8.022	11.00	14.00	18.00	23.00	30.00		
0.05	2.704	0.1807397	0.0092360	0.60	1.30	12.210	3.938	8.00	9.00	12.00	14.00	17.00	2.898	12.940	4.244	8.00	10.00	12.00	15.00	19.00		
0.05	2.704	0.1807397	0.0092360	0.50	1.30	9.056	2.402	6.00	7.00	9.00	10.00	12.00	2.898	9.541	2.490	7.00	8.00	9.00	11.00	13.00		
0.05	2.704	0.1807397	0.0092360	1.10	1.40	53.716	35.028	20.00	29.00	44.50	69.00	99.00	2.898	60.623	40.176	22.00	32.00	50.00	78.00	114.00		
0.05	2.704	0.1807397	0.0092360	1.20	1.40	32.362	18.104	14.00	20.00	28.00	40.25	56.00	2.898	35.600	20.331	15.00	21.00	31.00	45.00	62.00		
0.05	2.704	0.1807397	0.0092360	1.30	1.40	21.111	10.064	10.00	14.00	19.00	26.00	34.00	2.898	22.428	10.869	11.00	15.00	20.00	28.00	37.00		
0.05	2.704	0.1807397	0.0092360	1.40	1.40	15.084	6.318	8.00	11.00	14.00	18.00	23.00	2.898	15.954	6.838	9.00	11.00	15.00	19.00	25.00		
0.05	2.704	0.1807397	0.0092360	0.90	1.40	54.967	34.779	21.00	31.00	46.00	69.00	100.10	2.898	63.601	41.782	24.00	34.00	52.00	81.00	117.00		
0.05	2.704	0.1807397	0.0092360	0.80	1.40	30.421	15.369	15.00	19.00	27.00	38.00	50.00	2.898	33.239	17.066	16.00	21.00	29.00	41.00	55.00		
0.05	2.704	0.1807397	0.0092360	0.70	1.40	17.985	7.103	10.00	13.00	17.00	22.00	27.00	2.898	19.231	7.677	11.00	14.00	18.00	23.00	29.00		
0.05	2.704	0.1807397	0.0092360	0.60	1.40	12.257	3.969	8.00	9.00	12.00	14.00	17.00	2.898	12.867	4.197	8.00	10.00	12.00	15.00	18.00		
0.05	2.704	0.1807397	0.0092360	0.50	1.40	9.096	2.420	6.00	7.00	9.00	10.00	12.00	2.898	9.510	2.526	7.00	8.00	9.00	11.00	13.00		
0.05	2.704	0.1807397	0.0092360	1.10	0.90	85.269	68.001	23.00	37.00	65.00	113.00	174.00	2.898	100.611	83.849	25.00	42.00	75.00	133.00	211.00		
0.05	2.704	0.1807397	0.0092360	1.20	0.90	36.334	22.853	14.00	20.00	31.00	46.00	66.00	2.898	40.040	25.838	15.00	22.00	33.00	51.00	73.00		
0.05	2.704	0.1807397																				

0.05	2.704	0.1807397	0.0092360	0.60	0.90	12.159	3.980	8.00	9.00	11.00	14.00	17.00	2.898	12.932	4.201	8.00	10.00	12.00	15.00	18.00
0.05	2.704	0.1807397	0.0092360	0.50	0.90	9.087	2.413	6.00	7.00	9.00	10.00	12.00	2.898	9.561	2.512	7.00	8.00	9.00	11.00	13.00
0.05	2.704	0.1807397	0.0092360	1.10	0.80	58.439	43.668	18.00	27.00	46.00	76.00	116.00	2.898	66.047	48.943	20.00	31.00	52.00	86.00	130.10
0.05	2.704	0.1807397	0.0092360	1.20	0.80	32.688	19.774	13.00	19.00	28.00	41.00	58.00	2.898	35.501	21.457	14.00	20.00	30.00	45.00	64.00
0.05	2.704	0.1807397	0.0092360	1.30	0.80	20.905	10.442	10.00	14.00	19.00	26.00	34.00	2.898	22.198	11.050	11.00	14.00	20.00	28.00	37.00
0.05	2.704	0.1807397	0.0092360	1.40	0.80	14.921	6.321	8.00	10.00	14.00	18.00	23.00	2.898	15.897	6.642	9.00	11.00	15.00	19.00	25.00
0.05	2.704	0.1807397	0.0092360	0.90	0.80	61.579	45.586	19.00	30.00	49.00	79.00	120.00	2.898	69.329	51.542	21.00	33.00	55.00	90.00	138.00
0.05	2.704	0.1807397	0.0092360	0.80	0.80	30.748	16.706	14.00	19.00	27.00	38.00	52.00	2.898	33.379	18.503	15.00	20.00	29.00	41.00	57.00
0.05	2.704	0.1807397	0.0092360	0.70	0.80	17.838	7.355	10.00	13.00	16.00	21.00	27.00	2.898	18.951	7.668	11.00	13.00	17.00	23.00	29.00
0.05	2.704	0.1807397	0.0092360	0.60	0.80	12.104	3.905	8.00	9.00	11.00	14.00	17.00	2.898	12.802	4.077	8.00	10.00	12.00	15.00	18.00
0.05	2.704	0.1807397	0.0092360	0.50	0.80	9.038	2.410	6.00	7.00	9.00	10.00	12.00	2.898	9.495	2.469	7.00	8.00	9.00	11.00	13.00
0.05	2.704	0.1807397	0.0092360	1.10	0.70	36.771	23.662	14.00	20.00	31.00	47.00	68.00	2.898	40.276	26.396	15.00	22.00	33.00	51.00	75.00
0.05	2.704	0.1807397	0.0092360	1.20	0.70	26.738	14.858	12.00	16.00	23.00	33.00	46.00	2.898	29.047	16.092	13.00	18.00	26.00	36.00	50.00
0.05	2.704	0.1807397	0.0092360	1.30	0.70	19.155	9.039	10.00	13.00	17.00	24.00	31.00	2.898	20.559	9.705	10.00	14.00	19.00	25.00	33.00
0.05	2.704	0.1807397	0.0092360	1.40	0.70	14.347	5.916	8.00	10.00	13.00	17.00	22.00	2.898	15.444	6.387	8.00	11.00	14.00	19.00	24.00
0.05	2.704	0.1807397	0.0092360	0.90	0.70	37.978	24.422	14.00	21.00	32.00	48.00	70.00	2.898	41.741	26.928	16.00	23.00	35.00	53.00	77.00
0.05	2.704	0.1807397	0.0092360	0.80	0.70	25.976	13.197	12.00	17.00	23.00	32.00	43.00	2.898	28.310	14.397	14.00	18.00	25.00	35.00	47.00
0.05	2.704	0.1807397	0.0092360	0.70	0.70	16.819	6.494	10.00	12.00	16.00	20.00	25.00	2.898	18.068	7.022	11.00	13.00	17.00	22.00	27.00
0.05	2.704	0.1807397	0.0092360	0.60	0.70	11.927	3.819	8.00	9.00	11.00	14.00	17.00	2.898	12.667	4.016	8.00	10.00	12.00	15.00	18.00
0.05	2.704	0.1807397	0.0092360	0.50	0.70	8.980	2.346	6.00	7.00	9.00	10.00	12.00	2.898	9.472	2.486	7.00	8.00	9.00	11.00	13.00
0.05	2.704	0.1807397	0.0092360	1.10	0.60	23.987	13.424	10.00	14.00	21.00	30.00	42.00	2.898	25.966	14.720	11.00	15.00	22.00	33.00	45.00
0.05	2.704	0.1807397	0.0092360	1.20	0.60	20.510	10.255	10.00	13.00	18.00	26.00	34.00	2.898	22.139	11.050	11.00	14.00	20.00	28.00	37.00
0.05	2.704	0.1807397	0.0092360	1.30	0.60	16.879	7.509	9.00	11.00	15.00	21.00	27.00	2.898	17.934	7.808	9.00	12.00	16.00	22.00	28.00
0.05	2.704	0.1807397	0.0092360	1.40	0.60	13.456	5.244	8.00	10.00	13.00	16.00	20.00	2.898	14.235	5.531	8.00	10.00	13.00	17.00	22.00
0.05	2.704	0.1807397	0.0092360	0.90	0.60	24.478	13.780	11.00	15.00	21.00	31.00	42.00	2.898	26.572	15.113	11.00	16.00	23.00	34.00	46.10
0.05	2.704	0.1807397	0.0092360	0.80	0.60	20.511	9.721	10.00	14.00	19.00	25.00	33.00	2.898	22.160	10.433	11.00	15.00	20.00	27.00	36.00
0.05	2.704	0.1807397	0.0092360	0.70	0.60	15.413	5.773	9.00	11.00	14.00	18.00	23.00	2.898	16.597	6.379	10.00	12.00	15.00	20.00	25.00
0.05	2.704	0.1807397	0.0092360	0.60	0.60	11.475	3.539	8.00	9.00	11.00	13.00	16.00	2.898	12.201	3.708	8.00	10.00	12.00	14.00	17.00
0.05	2.704	0.1807397	0.0092360	0.50	0.60	8.901	2.266	6.00	7.00	9.00	10.00	12.00	2.898	9.360	2.350	7.00	8.00	9.00	11.00	12.00
0.05	2.704	0.1807397	0.0092360	1.10	0.50	16.449	8.114	8.00	11.00	15.00	20.00	27.00	2.898	17.451	8.648	9.00	11.00	16.00	22.00	29.00
0.05	2.704	0.1807397	0.0092360	1.20	0.50	15.473	7.235	8.00	10.00	14.00	19.00	25.00	2.898	16.548	7.627	8.00	11.00	15.00	20.00	27.00
0.05	2.704	0.1807397	0.0092360	1.30	0.50	13.820	5.785	8.00	10.00	13.00	17.00	22.00	2.898	14.780	6.118	8.00	10.00	14.00	18.00	23.00
0.05	2.704	0.1807397	0.0092360	1.40	0.50	11.983	4.461	7.00	9.00	11.00	14.00	18.00	2.898	12.694	4.690	7.00	9.00	12.00	15.00	19.00
0.05	2.704	0.1807397	0.0092360	0.90	0.50	16.490	8.153	8.00	11.00	15.00	20.00	27.00	2.898	17.617	8.706	9.00	11.00	16.00	22.00	29.00
0.05	2.704	0.1807397	0.0092360	0.80	0.50	15.509	6.754	8.00	11.00	14.00	19.00	24.00	2.898	16.484	7.276	9.00	11.00	15.00	20.00	26.00
0.05	2.704	0.1807397	0.0092360	0.70	0.50	13.228	4.853	8.00	10.00	12.00	16.00	20.00	2.898	14.119	5.211	8.00	10.00	13.00	17.00	21.00
0.05	2.704	0.1807397	0.0092360	0.60	0.50	10.792	3.328	7.00	8.00	10.00	13.00	15.00	2.898	11.442	3.430	8.00	9.00	11.00	13.00	16.00
0.05	2.704	0.1807397	0.0092360	0.50	0.50	8.662	2.182	6.00	7.00	8.00	10.00	11.00	2.898	9.113	2.271	7.00	7.00	9.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.488	362.731	45.00	111.75	259.00	513.00	849.00	3.165	500.660	496.742	62.00	151.00	350.00	680.25	1146.10
0.10	2.992	0.2594297	0.0188990	1.10	1.10	118.191	107.734	21.00	41.00	84.00	162.00	257.00	3.165	139.080	128.551	24.00	48.00	98.00	191.00	310.10
0.10	2.992	0.2594297	0.0188990	1.20	1.10	41.354	32.139	12.00	19.00	32.00	54.00	82.00	3.165	46.714	37.475	13.00	21.00	36.00	61.00	95.00
0.10	2.992	0.2594297	0.0188990	1.30	1.10	21.421	13.743	8.00	12.00	18.00	27.00	39.00	3.165	23.356	15.276	9.00	13.00	19.00	30.00	43.00
0.10	2.992	0.2594297	0.0188990	1.40	1.10	14.154	7.788	6.00	9.00	12.00	18.00	24.00	3.165	15.132	8.171	7.00	9.00	13.00	19.00	26.00
0.10	2.992	0.2594297	0.0188990	0.90	1.10	159.363	148.202	28.00	54.00	114.00	218.00	351.00	3.165	206.673	197.184	34.00	69.00	146.00	280.00	463.00
0.10	2.992	0.2594297	0.0188990	0.80	1.10	40.390	29.639	13.00	20.00	32.00	52.00	78.00	3.165	45.965	34.289	15.00	22.00	36.00	60.00	90.00
0.10	2.992	0.2594297	0.0188990	0.70	1.10	18.301	9.982	8.00	11.00	16.00	23.00	32.00	3.165	19.621	10.700	9.00	12.00	17.00	24.00	34.00
0.10	2.992	0.2594297	0.0188990	0.60	1.10	11.084	4.508	6.00	8.00	10.00	13.00	17.00	3.165	11.637	4.763	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	1.10	7.807	2.542	5.00	6.00	7.00	9.00	11.00	3.165	8.258	2.683	5.00	6.00	8.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	1.20	103.720	93.272	20.00	38.00	76.00	140.00	223.00	3.165	126.933	117.720	23.00	44.00	90.00	172.00	279.00
0.10	2.992	0.2594297	0.0188990	1.20	1.20	40.950	31.507	12.00	19.00	32.00	53.00	82.00	3.165	45.396	35.491	13.00	20.00	35.00	59.00	93.00
0.10	2.992	0.2594297	0.0188990	1.30	1.20	21.564	13.784	8.00	12.00	18.00	27.00	40.00	3.165	23.318	14.997	9.00	13.00	20.00	30.00	43.00
0.10	2.992	0.2594297	0.0188990	1.40	1.20	14.138	7.560	6.00	9.00	12.00	18.00	24.00	3.165	15.122	8.187	7.00	9.00	13.00	19.00	26.00
0.10	2.992	0.2594297	0.0188990	0.90	1.20	139.944	125.787	27.00	50.00	102.00	189.00	305.00	3.165	178.749	163.450	32.00	62.00	130.00	242.00	392.00
0.10	2.992	0.2594297	0.0188990	0.80	1.20	40.433	29.176	14.00	20.00	32.00	52.00	77.00	3.165	45.492	33.485	15.00	22.00	36.00	58.00	88.00
0.10	2.992	0.2594297	0.0188990	0.70	1.20	18.298	10.015	9.00	11.00	16.00	23.00	31.00	3.165	19.771	10.834	9.00	12.00	17.00	24.00	34.00
0.10	2.992	0.2594297	0.0188990	0.60	1.20	11.097	4.490	6.00	8.00	10.00	13.00	17.00	3.165							

0.10	2.992	0.2594297	0.0188990	0.80	1.30	38.571	27.656	13.00	19.00	31.00	49.00	75.00	3.165	43.699	31.618	14.00	21.00	35.00	56.00	84.00
0.10	2.992	0.2594297	0.0188990	0.70	1.30	18.129	9.615	9.00	11.00	16.00	22.00	31.00	3.165	19.611	10.603	9.00	12.00	17.00	24.00	34.00
0.10	2.992	0.2594297	0.0188990	0.60	1.30	11.085	4.551	6.00	8.00	10.00	13.00	17.00	3.165	11.769	4.826	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	1.30	7.865	2.550	5.00	6.00	7.00	9.00	11.00	3.165	8.321	2.746	5.00	6.00	8.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	1.40	72.210	60.161	18.00	29.00	54.00	95.00	151.00	3.165	88.798	75.576	21.00	35.00	66.00	118.00	185.00
0.10	2.992	0.2594297	0.0188990	1.20	1.40	36.112	25.947	12.00	18.00	29.00	47.00	70.00	3.165	41.126	30.437	13.00	20.00	32.00	54.00	81.00
0.10	2.992	0.2594297	0.0188990	1.30	1.40	21.084	13.273	8.00	12.00	18.00	27.00	38.00	3.165	22.766	14.425	9.00	13.00	19.00	29.00	41.00
0.10	2.992	0.2594297	0.0188990	1.40	1.40	13.984	7.660	6.00	9.00	12.00	17.00	24.00	3.165	14.926	8.115	7.00	9.00	13.00	19.00	25.00
0.10	2.992	0.2594297	0.0188990	0.90	1.40	85.307	71.287	22.00	36.00	64.00	112.00	178.00	3.165	106.991	91.924	25.00	42.00	80.00	142.00	224.00
0.10	2.992	0.2594297	0.0188990	0.80	1.40	36.089	24.635	13.00	19.00	30.00	46.00	68.00	3.165	41.448	29.136	14.00	21.00	33.00	53.00	79.00
0.10	2.992	0.2594297	0.0188990	0.70	1.40	17.915	9.262	9.00	11.00	16.00	22.00	30.00	3.165	19.253	10.137	9.00	12.00	17.00	24.00	32.10
0.10	2.992	0.2594297	0.0188990	0.60	1.40	11.160	4.560	6.00	8.00	10.00	13.00	17.00	3.165	11.763	4.892	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	1.40	7.807	2.515	5.00	6.00	7.00	9.00	11.00	3.165	8.259	2.674	5.00	6.00	8.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	0.90	93.768	83.725	18.00	33.00	68.00	128.00	204.00	3.165	113.214	104.375	22.00	40.00	81.00	151.00	251.00
0.10	2.992	0.2594297	0.0188990	1.20	0.90	39.603	30.255	11.00	18.00	31.00	52.00	78.00	3.165	43.838	33.884	12.00	20.00	34.00	57.00	87.00
0.10	2.992	0.2594297	0.0188990	1.30	0.90	21.092	13.229	8.00	12.00	18.00	27.00	38.00	3.165	23.387	15.450	9.00	13.00	19.00	30.00	43.00
0.10	2.992	0.2594297	0.0188990	1.40	0.90	14.103	7.660	6.00	9.00	12.00	18.00	24.00	3.165	14.908	8.145	7.00	9.00	13.00	19.00	25.00
0.10	2.992	0.2594297	0.0188990	0.90	0.90	121.861	110.168	23.00	43.00	88.50	166.00	263.00	3.165	149.812	137.011	27.00	53.00	107.00	205.00	328.00
0.10	2.992	0.2594297	0.0188990	0.80	0.90	38.337	27.364	13.00	19.00	31.00	50.00	75.00	3.165	43.454	31.613	14.00	21.00	34.50	56.00	85.00
0.10	2.992	0.2594297	0.0188990	0.70	0.90	17.851	9.719	8.00	11.00	15.00	22.00	30.00	3.165	19.615	10.813	9.00	12.00	17.00	24.00	34.00
0.10	2.992	0.2594297	0.0188990	0.60	0.90	10.995	4.486	6.00	8.00	10.00	13.00	17.00	3.165	11.763	4.836	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	0.90	7.799	2.587	5.00	6.00	7.00	9.00	11.00	3.165	8.250	2.702	5.00	6.00	8.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	0.80	62.572	52.851	15.00	25.00	47.00	84.00	132.00	3.165	73.217	62.807	16.00	28.00	54.00	99.00	155.00
0.10	2.992	0.2594297	0.0188990	1.20	0.80	33.965	25.119	11.00	16.00	27.00	44.00	67.00	3.165	37.621	28.061	11.00	18.00	30.00	49.00	75.00
0.10	2.992	0.2594297	0.0188990	1.30	0.80	20.292	12.619	8.00	11.00	17.00	26.00	37.00	3.165	21.952	13.648	9.00	12.00	18.00	28.00	40.00
0.10	2.992	0.2594297	0.0188990	1.40	0.80	13.797	7.316	6.00	9.00	12.00	17.00	23.00	3.165	14.624	7.798	7.00	9.00	13.00	18.00	25.00
0.10	2.992	0.2594297	0.0188990	0.90	0.80	72.068	62.590	16.00	28.00	53.00	94.00	153.00	3.165	86.331	73.823	19.00	34.00	64.00	116.00	185.00
0.10	2.992	0.2594297	0.0188990	0.80	0.80	34.058	23.478	12.00	17.00	28.00	44.00	65.00	3.165	38.291	27.005	13.00	19.00	31.00	49.00	73.00
0.10	2.992	0.2594297	0.0188990	0.70	0.80	17.391	9.144	8.00	11.00	15.00	21.00	29.00	3.165	18.646	9.855	9.00	12.00	16.00	23.00	31.00
0.10	2.992	0.2594297	0.0188990	0.60	0.80	10.948	4.503	6.00	8.00	10.00	13.00	17.00	3.165	11.567	4.697	7.00	8.00	11.00	14.00	18.00
0.10	2.992	0.2594297	0.0188990	0.50	0.80	7.810	2.515	5.00	6.00	7.00	9.00	11.00	3.165	8.156	2.628	5.00	6.00	8.00	9.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	0.70	37.884	29.319	11.00	17.00	30.00	50.00	76.00	3.165	41.891	32.560	12.00	19.00	33.00	55.00	85.00
0.10	2.992	0.2594297	0.0188990	1.20	0.70	26.427	18.219	9.00	14.00	22.00	34.00	50.00	3.165	29.185	20.600	10.00	15.00	23.00	37.00	56.00
0.10	2.992	0.2594297	0.0188990	1.30	0.70	18.103	10.855	8.00	10.00	15.00	23.00	32.00	3.165	19.671	12.001	8.00	11.00	17.00	25.00	35.00
0.10	2.992	0.2594297	0.0188990	1.40	0.70	13.087	6.739	6.00	8.00	12.00	16.00	22.00	3.165	14.082	7.360	6.00	9.00	12.00	18.00	24.00
0.10	2.992	0.2594297	0.0188990	0.90	0.70	39.896	31.124	11.00	18.00	31.00	52.00	81.00	3.165	45.725	36.382	13.00	20.00	35.00	60.00	92.00
0.10	2.992	0.2594297	0.0188990	0.80	0.70	26.461	17.399	10.00	14.00	22.00	33.00	49.00	3.165	29.898	19.707	11.00	16.00	25.00	38.00	56.00
0.10	2.992	0.2594297	0.0188990	0.70	0.70	16.136	8.077	8.00	10.00	14.00	20.00	27.00	3.165	17.569	9.021	9.00	11.00	15.00	22.00	29.00
0.10	2.992	0.2594297	0.0188990	0.60	0.70	10.735	4.347	6.00	8.00	10.00	13.00	16.00	3.165	11.321	4.533	7.00	8.00	10.00	13.00	17.00
0.10	2.992	0.2594297	0.0188990	0.50	0.70	7.741	2.452	5.00	6.00	7.00	9.00	11.00	3.165	8.148	2.617	5.00	6.00	8.00	9.00	12.00
0.10	2.992	0.2594297	0.0188990	1.10	0.60	23.196	15.725	8.00	12.00	19.00	30.00	44.00	3.165	24.814	16.867	9.00	13.00	20.00	32.00	48.00
0.10	2.992	0.2594297	0.0188990	1.20	0.60	19.395	12.104	8.00	11.00	16.00	25.00	35.00	3.165	21.022	13.387	8.00	12.00	18.00	26.00	38.00
0.10	2.992	0.2594297	0.0188990	1.30	0.60	15.267	8.543	7.00	9.00	13.00	19.00	26.10	3.165	16.361	9.183	7.00	10.00	14.00	21.00	28.00
0.10	2.992	0.2594297	0.0188990	1.40	0.60	11.955	5.864	6.00	8.00	11.00	15.00	20.00	3.165	12.791	6.326	6.00	8.00	11.00	16.00	21.00
0.10	2.992	0.2594297	0.0188990	0.90	0.60	23.753	16.411	8.00	12.00	19.00	31.00	45.00	3.165	26.022	18.094	9.00	13.00	21.00	33.00	50.00
0.10	2.992	0.2594297	0.0188990	0.80	0.60	19.477	11.731	8.00	11.00	17.00	25.00	35.00	3.165	21.391	12.959	9.00	12.00	18.00	27.00	38.00
0.10	2.992	0.2594297	0.0188990	0.70	0.60	14.293	7.022	7.00	9.00	13.00	18.00	23.00	3.165	15.253	7.421	8.00	10.00	14.00	19.00	25.00
0.10	2.992	0.2594297	0.0188990	0.60	0.60	10.190	3.965	6.00	7.00	9.00	12.00	15.00	3.165	10.883	4.239	6.00	8.00	10.00	13.00	16.00
0.10	2.992	0.2594297	0.0188990	0.50	0.60	7.620	2.357	5.00	6.00	7.00	9.00	11.00	3.165	7.975	2.485	5.00	6.00	8.00	9.00	11.00
0.10	2.992	0.2594297	0.0188990	1.10	0.50	14.983	9.001	6.00	9.00	13.00	19.00	27.00	3.165	15.993	9.469	7.00	9.00	14.00	20.00	29.00
0.10	2.992	0.2594297	0.0188990	1.20	0.50	13.798	7.762	6.00	8.00	12.00	17.00	24.00	3.165	14.734	8.272	6.00	9.00	13.00	18.00	26.00
0.10	2.992	0.2594297	0.0188990	1.30	0.50	12.093	6.198	6.00	8.00	11.00	15.00	20.00	3.165	12.956	6.688	6.00	8.00	11.00	16.00	22.00
0.10	2.992	0.2594297	0.0188990	1.40	0.50	10.397	4.765	5.00	7.00	9.00	13.00	17.00	3.165	10.908	4.982	6.00	7.00	10.00	13.00	17.00
0.10	2.992	0.2594297	0.0188990	0.90	0.50	15.111	8.961	6.00	9.00	13.00	19.00	27.00	3.165	16.097	9.627	7.00	9.00	14.00	20.00	29.00
0.10	2.992	0.2594297	0.0188990	0.80	0.50	14.110	7.667	6.00	9.00	12.00	18.00	24.00	3.165	14.955	8.122	7.00	9.00	13.00	19.00	26.00
0.10	2.992	0.2594297	0.0188990	0.70	0.50	11.693	5.328	6.00	8.00	11.00	14.00	19.00	3.165	12.499	5.791	7.00	8.00	11.00	15.00	20.00

0.15	3.138	0.3220597	0.0288483	1.40	1.10	14.364	9.061	5.00	8.00	12.00	18.00	26.00	3.299	15.558	9.910	6.00	9.00	13.00	20.00	29.00
0.15	3.138	0.3220597	0.0288483	0.90	1.10	248.449	236.734	36.00	78.00	178.00	342.00	553.00	3.299	334.588	326.481	44.00	104.00	238.00	454.00	746.10
0.15	3.138	0.3220597	0.0288483	0.80	1.10	54.613	45.583	13.00	22.00	41.00	73.00	114.00	3.299	64.356	55.984	15.00	25.00	48.00	85.00	137.00
0.15	3.138	0.3220597	0.0288483	0.70	1.10	20.401	13.346	8.00	11.00	17.00	26.00	38.00	3.299	22.273	14.793	9.00	12.00	18.00	28.00	41.00
0.15	3.138	0.3220597	0.0288483	0.60	1.10	11.171	5.540	6.00	7.00	10.00	14.00	18.00	3.299	11.943	5.937	6.00	8.00	11.00	14.00	20.00
0.15	3.138	0.3220597	0.0288483	0.50	1.10	7.553	2.870	5.00	6.00	7.00	9.00	11.00	3.299	7.859	2.994	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	1.20	125.134	119.049	19.00	40.00	89.00	170.00	279.00	3.299	152.191	144.556	23.00	50.00	109.00	207.00	339.00
0.15	3.138	0.3220597	0.0288483	1.20	1.20	45.760	38.952	11.00	18.00	34.00	61.00	95.10	3.299	51.987	44.620	11.00	20.00	39.00	70.00	111.00
0.15	3.138	0.3220597	0.0288483	1.30	1.20	22.998	17.073	7.00	11.00	18.00	29.00	45.00	3.299	25.433	19.120	8.00	12.00	20.00	33.00	50.00
0.15	3.138	0.3220597	0.0288483	1.40	1.20	14.507	9.197	6.00	8.00	12.00	18.00	26.00	3.299	15.678	10.199	6.00	9.00	13.00	20.00	29.00
0.15	3.138	0.3220597	0.0288483	0.90	1.20	229.513	219.690	34.00	74.00	163.00	316.00	509.00	3.299	316.926	307.480	44.00	100.00	224.00	432.00	713.00
0.15	3.138	0.3220597	0.0288483	0.80	1.20	52.780	43.613	13.00	22.00	40.00	70.00	111.00	3.299	62.603	53.437	15.00	26.00	46.00	83.00	133.00
0.15	3.138	0.3220597	0.0288483	0.70	1.20	20.319	13.035	8.00	11.00	17.00	26.00	37.00	3.299	22.409	14.643	9.00	12.00	18.00	28.00	42.00
0.15	3.138	0.3220597	0.0288483	0.60	1.20	11.138	5.462	6.00	7.00	10.00	14.00	18.00	3.299	11.957	6.007	6.00	8.00	10.00	15.00	20.00
0.15	3.138	0.3220597	0.0288483	0.50	1.20	7.530	2.879	5.00	5.00	7.00	9.00	11.00	3.299	7.911	3.077	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	1.30	112.062	104.884	19.00	38.00	80.00	152.00	250.00	3.299	140.046	133.725	22.00	45.00	98.00	190.00	317.10
0.15	3.138	0.3220597	0.0288483	1.20	1.30	44.554	37.344	10.00	18.00	34.00	59.00	93.00	3.299	50.646	43.378	11.00	20.00	38.00	67.00	106.00
0.15	3.138	0.3220597	0.0288483	1.30	1.30	23.239	17.429	7.00	11.00	18.00	30.00	45.00	3.299	24.987	18.893	8.00	12.00	20.00	32.00	49.00
0.15	3.138	0.3220597	0.0288483	1.40	1.30	14.297	9.106	5.00	8.00	12.00	18.00	26.00	3.299	15.553	9.953	6.00	8.00	13.00	20.00	29.00
0.15	3.138	0.3220597	0.0288483	0.90	1.30	191.455	180.640	30.00	64.00	136.00	262.00	426.00	3.299	263.754	250.595	38.00	85.00	187.00	359.00	595.00
0.15	3.138	0.3220597	0.0288483	0.80	1.30	52.228	42.850	13.00	22.00	39.00	70.00	109.00	3.299	61.920	51.744	15.00	25.00	46.00	82.00	128.00
0.15	3.138	0.3220597	0.0288483	0.70	1.30	20.270	12.871	8.00	11.00	17.00	26.00	37.00	3.299	22.262	14.459	8.00	12.00	18.00	29.00	41.00
0.15	3.138	0.3220597	0.0288483	0.60	1.30	11.113	5.436	6.00	7.00	10.00	14.00	18.00	3.299	11.822	5.664	6.00	8.00	11.00	14.00	19.00
0.15	3.138	0.3220597	0.0288483	0.50	1.30	7.531	2.906	5.00	5.00	7.00	9.00	11.00	3.299	7.873	3.033	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	1.40	99.448	90.056	18.00	35.00	72.00	136.00	219.00	3.299	125.179	116.807	21.00	43.00	89.00	170.00	277.00
0.15	3.138	0.3220597	0.0288483	1.20	1.40	43.235	35.446	11.00	18.00	33.00	57.00	89.00	3.299	49.801	42.154	11.00	20.00	37.00	66.00	105.00
0.15	3.138	0.3220597	0.0288483	1.30	1.40	22.572	16.550	7.00	11.00	18.00	29.00	44.00	3.299	24.508	18.223	8.00	12.00	19.00	32.00	48.00
0.15	3.138	0.3220597	0.0288483	1.40	1.40	14.181	9.060	6.00	8.00	12.00	18.00	26.00	3.299	15.189	9.575	6.00	8.00	13.00	19.00	28.00
0.15	3.138	0.3220597	0.0288483	0.90	1.40	151.896	141.543	25.00	51.00	108.00	209.00	335.10	3.299	210.060	198.509	33.00	69.00	149.00	288.00	467.00
0.15	3.138	0.3220597	0.0288483	0.80	1.40	48.551	39.812	13.00	21.00	36.00	64.00	102.00	3.299	58.534	49.324	14.00	24.00	44.00	76.00	122.00
0.15	3.138	0.3220597	0.0288483	0.70	1.40	20.053	12.910	8.00	11.00	16.00	25.00	37.00	3.299	22.045	14.441	9.00	12.00	18.00	28.00	41.00
0.15	3.138	0.3220597	0.0288483	0.60	1.40	11.180	5.523	6.00	7.00	10.00	14.00	18.00	3.299	11.840	5.909	6.00	8.00	10.00	15.00	19.00
0.15	3.138	0.3220597	0.0288483	0.50	1.40	7.532	2.849	5.00	6.00	7.00	9.00	11.00	3.299	7.918	3.075	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	0.90	102.349	94.362	17.00	35.00	74.00	139.00	225.00	3.299	121.860	115.405	19.00	40.00	87.00	166.00	269.00
0.15	3.138	0.3220597	0.0288483	1.20	0.90	42.617	35.965	10.00	17.00	32.00	57.00	90.00	3.299	49.119	42.172	11.00	19.00	37.00	66.00	104.00
0.15	3.138	0.3220597	0.0288483	1.30	0.90	22.562	16.351	7.00	11.00	18.00	29.00	44.00	3.299	24.558	18.353	8.00	12.00	19.00	32.00	48.00
0.15	3.138	0.3220597	0.0288483	1.40	0.90	14.279	8.914	6.00	8.00	12.00	18.00	26.00	3.299	15.106	9.547	6.00	8.00	13.00	19.00	28.00
0.15	3.138	0.3220597	0.0288483	0.90	0.90	158.951	146.277	25.00	53.00	115.00	219.00	351.00	3.299	202.704	191.139	30.00	66.00	147.00	278.25	448.00
0.15	3.138	0.3220597	0.0288483	0.80	0.90	49.364	40.765	13.00	21.00	37.00	65.00	102.00	3.299	58.553	49.181	14.00	24.00	44.00	77.00	123.00
0.15	3.138	0.3220597	0.0288483	0.70	0.90	19.824	12.815	8.00	11.00	16.00	25.00	37.00	3.299	22.102	14.428	8.00	12.00	18.00	28.00	41.00
0.15	3.138	0.3220597	0.0288483	0.60	0.90	11.145	5.559	6.00	7.00	10.00	14.00	18.00	3.299	11.882	5.894	6.00	8.00	10.00	14.00	20.00
0.15	3.138	0.3220597	0.0288483	0.50	0.90	7.466	2.861	5.00	5.00	7.00	9.00	11.00	3.299	7.890	2.997	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	0.80	67.628	61.260	12.00	24.00	49.00	91.00	149.00	3.299	80.533	73.908	14.00	28.00	58.00	110.00	177.00
0.15	3.138	0.3220597	0.0288483	1.20	0.80	36.767	30.431	9.00	15.00	28.00	48.00	76.00	3.299	41.266	34.370	10.00	17.00	31.00	55.00	85.00
0.15	3.138	0.3220597	0.0288483	1.30	0.80	20.874	14.832	7.00	10.00	17.00	27.00	40.00	3.299	23.081	16.749	7.00	11.00	18.00	30.00	45.00
0.15	3.138	0.3220597	0.0288483	1.40	0.80	13.826	8.559	6.00	8.00	12.00	17.00	25.00	3.299	14.941	9.525	6.00	8.00	13.00	19.00	27.10
0.15	3.138	0.3220597	0.0288483	0.90	0.80	86.928	79.998	15.00	30.00	62.00	117.00	190.00	3.299	104.858	97.428	18.00	36.00	75.00	143.00	231.00
0.15	3.138	0.3220597	0.0288483	0.80	0.80	40.754	32.807	11.00	18.00	31.00	54.00	83.00	3.299	47.774	39.523	12.00	20.00	36.00	63.00	100.00
0.15	3.138	0.3220597	0.0288483	0.70	0.80	19.037	12.195	8.00	10.00	16.00	24.00	34.10	3.299	20.971	13.481	8.00	11.00	17.00	27.00	39.00
0.15	3.138	0.3220597	0.0288483	0.60	0.80	11.009	5.271	6.00	7.00	10.00	13.00	18.00	3.299	11.765	5.785	6.00	8.00	10.00	14.00	19.00
0.15	3.138	0.3220597	0.0288483	0.50	0.80	7.427	2.785	5.00	5.00	7.00	9.00	11.00	3.299	7.800	2.941	5.00	6.00	7.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	1.10	0.70	39.454	33.000	9.00	16.00	29.00	53.00	84.00	3.299	45.823	38.860	11.00	18.00	34.00	61.00	96.00
0.15	3.138	0.3220597	0.0288483	1.20	0.70	27.722	21.353	8.00	13.00	22.00	36.00	55.00	3.299	31.145	24.107	9.00	14.00	24.00	41.00	63.00
0.15	3.138	0.3220597	0.0288483	1.30	0.70	18.546	12.648	7.00	10.00	15.00	24.00	35.00	3.299	20.218	14.164	7.00	10.00	16.00	26.00	39.00
0.15	3.138	0.3220597	0.0288483	1.40	0.70	13.035	7.796	5.00	8.00	11.00	16.00	23.00	3.299	13.975	8.627	6.00	8.00	12.00	18.00	25.00
0.15	3.138	0.3220597	0.0288483	0.90	0.70	44.674	36.836	11.00</												

0.15	3.138	0.3220597	0.0288483	1.30	0.60	14.999	9.572	6.00	8.00	13.00	19.00	28.00	3.299	16.381	10.451	6.00	9.00	14.00	21.00	30.00
0.15	3.138	0.3220597	0.0288483	1.40	0.60	11.563	6.523	5.00	7.00	10.00	14.00	20.00	3.299	12.375	7.167	5.00	7.00	11.00	16.00	21.00
0.15	3.138	0.3220597	0.0288483	0.90	0.60	24.945	18.994	7.00	11.00	19.00	32.25	50.00	3.299	27.024	20.530	8.00	12.00	21.00	36.00	54.00
0.15	3.138	0.3220597	0.0288483	0.80	0.60	20.906	14.496	7.00	11.00	17.00	27.00	40.00	3.299	22.724	15.993	8.00	11.00	18.00	30.00	43.00
0.15	3.138	0.3220597	0.0288483	0.70	0.60	14.430	8.265	6.00	9.00	12.00	18.00	25.00	3.299	15.814	9.443	7.00	9.00	13.00	20.00	28.00
0.15	3.138	0.3220597	0.0288483	0.60	0.60	9.981	4.580	5.00	7.00	9.00	12.00	16.00	3.299	10.629	4.888	6.00	7.00	10.00	13.00	17.00
0.15	3.138	0.3220597	0.0288483	0.50	0.60	7.193	2.628	4.00	5.00	7.00	8.00	11.00	3.299	7.558	2.784	5.00	6.00	7.00	9.00	11.00
0.15	3.138	0.3220597	0.0288483	1.10	0.50	14.525	9.589	5.00	8.00	12.00	19.00	27.00	3.299	15.892	10.578	6.00	8.00	13.00	20.00	30.00
0.15	3.138	0.3220597	0.0288483	1.20	0.50	13.269	8.221	5.00	7.00	11.00	17.00	24.00	3.299	14.309	9.220	6.00	8.00	12.00	18.00	26.00
0.15	3.138	0.3220597	0.0288483	1.30	0.50	11.566	6.774	5.00	7.00	10.00	15.00	20.00	3.299	12.562	7.482	5.00	7.00	11.00	16.00	22.00
0.15	3.138	0.3220597	0.0288483	1.40	0.50	9.898	5.296	5.00	6.00	9.00	12.00	17.00	3.299	10.425	5.539	5.00	6.00	9.00	13.00	18.00
0.15	3.138	0.3220597	0.0288483	0.90	0.50	15.136	10.172	6.00	8.00	12.00	19.00	28.00	3.299	15.977	10.859	6.00	8.00	13.00	20.00	30.00
0.15	3.138	0.3220597	0.0288483	0.80	0.50	13.887	8.759	5.00	8.00	12.00	18.00	25.00	3.299	15.198	9.655	6.00	8.00	13.00	19.00	28.00
0.15	3.138	0.3220597	0.0288483	0.70	0.50	11.549	6.141	5.00	7.00	10.00	14.00	20.00	3.299	12.463	6.820	6.00	8.00	11.00	15.00	21.00
0.15	3.138	0.3220597	0.0288483	0.60	0.50	8.847	3.856	5.00	6.00	8.00	11.00	14.00	3.299	9.539	4.201	5.00	7.00	9.00	12.00	15.00
0.15	3.138	0.3220597	0.0288483	0.50	0.50	6.881	2.458	4.00	5.00	6.00	8.00	10.00	3.299	7.258	2.627	5.00	5.00	7.00	8.00	11.00

TABLE S.8. ARL Results of the Max-EWMA control chart when pure shift occurs in the shape2 parameter of beta distribution ($\Delta_\delta \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\alpha = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1													Case 2							
$\phi=290$													$ARL_0 = 500$							
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.888	356.335	53.00	116.00	262.00	504.00	844.00	2.887	500.295	477.988	65.00	155.00	354.00	687.25	1131.10
0.05	2.687	0.1808245	0.0092612	1.10	1.00	22.133	10.340	11.00	15.00	20.00	27.00	36.00	2.887	23.883	11.326	12.00	16.00	21.00	29.00	39.00
0.05	2.687	0.1808245	0.0092612	1.20	1.00	9.796	2.861	7.00	8.00	9.00	11.00	14.00	2.887	10.385	3.030	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	1.00	6.709	1.524	5.00	6.00	7.00	8.00	9.00	2.887	7.008	1.565	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	1.00	5.248	0.990	4.00	5.00	5.00	6.00	6.00	2.887	5.482	1.012	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	1.00	17.675	8.329	9.00	12.00	16.00	22.00	29.00	2.887	18.987	9.010	10.00	13.00	17.00	23.00	31.00
0.05	2.687	0.1808245	0.0092612	0.80	1.00	6.868	2.117	4.00	5.00	7.00	8.00	10.00	2.887	7.228	2.214	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	1.00	4.099	1.030	3.00	3.00	4.00	5.00	5.00	2.887	4.255	1.054	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	1.00	2.829	0.639	2.00	2.00	3.00	3.00	4.00	2.887	2.936	0.652	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	1.00	2.117	0.382	2.00	2.00	2.00	2.00	3.00	2.887	2.178	0.416	2.00	2.00	2.00	2.00	3.00
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.462	359.852	47.00	113.00	265.00	514.25	836.00	3.162	501.280	486.161	61.90	152.00	348.00	695.00	1162.00
0.10	2.988	0.2588680	0.0188363	1.10	1.00	23.105	14.324	9.00	13.00	20.00	29.00	41.00	3.162	25.191	15.581	10.00	14.00	21.00	32.00	46.00
0.10	2.988	0.2588680	0.0188363	1.20	1.00	8.644	3.216	5.00	6.00	8.00	10.00	13.00	3.162	9.062	3.319	5.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	1.00	5.602	1.523	4.00	5.00	5.00	6.00	8.00	3.162	5.847	1.592	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	1.00	4.300	0.963	3.00	4.00	4.00	5.00	6.00	3.162	4.488	0.986	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	1.00	16.973	10.248	7.00	10.00	14.00	21.00	30.00	3.162	17.966	10.815	7.00	10.00	15.00	23.00	32.00
0.10	2.988	0.2588680	0.0188363	0.80	1.00	5.847	2.196	3.00	4.00	5.00	7.00	9.00	3.162	6.075	2.261	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	1.00	3.342	0.983	2.00	3.00	3.00	4.00	5.00	3.162	3.474	1.019	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	1.00	2.304	0.570	2.00	2.00	2.00	3.00	3.00	3.162	2.373	0.591	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	1.00	1.770	0.463	1.00	2.00	2.00	2.00	2.00	3.162	1.816	0.452	1.00	2.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.190	370.757	46.00	108.00	257.00	507.25	846.10	3.267	500.041	481.910	61.00	153.00	359.00	698.00	1120.00
0.15	3.105	0.3220389	0.0289256	1.10	1.00	26.201	18.971	9.00	13.00	21.00	34.00	50.00	3.267	29.186	21.702	9.00	14.00	23.00	37.25	57.00
0.15	3.105	0.3220389	0.0289256	1.20	1.00	8.349	3.599	5.00	6.00	8.00	10.00	13.00	3.267	8.855	3.888	5.00	6.00	8.00	11.00	14.00
0.15	3.105	0.3220389	0.0289256	1.30	1.00	5.132	1.602	3.00	4.00	5.00	6.00	7.00	3.267	5.336	1.663	4.00	4.00	5.00	6.00	7.00
0.15	3.105	0.3220389	0.0289256	1.40	1.00	3.879	0.982	3.00	3.00	4.00	4.00	5.00	3.267	4.031	1.023	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	1.00	17.104	11.605	6.00	9.00	14.00	22.00	32.00	3.267	18.568	12.657	7.00	10.00	15.00	24.00	35.00
0.15	3.105	0.3220389	0.0289256	0.80	1.00	5.345	2.255	3.00	4.00	5.00	6.00	8.00	3.267	5.552	2.357	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	1.00	2.995	0.974	2.00	2.00	3.00	4.00	4.00	3.267	3.075	0.995	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	1.00	2.059	0.558	1.00	2.00	2.00	2.00	3.00	3.267	2.117	0.570	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.00	1.504	0.514	1.00	1.00	1.00	2.00	2.00	3.267	1.549	0.514	1.00	1.00	2.00	2.00	2.00

Case 2																				
$\phi=148$																				
0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.560	361.955	52.00	119.00	260.00	504.25	837.00	2.888	500.143	485.266	68.00	155.00	351.00	687.00	1135.00
0.05	2.693	0.1815312	0.0092496	1.10	1.00	36.949	21.604	16.00	22.00	32.00	47.00	66.00	2.888	41.003	24.936	17.00	24.00	35.00	52.00	73.00
0.05	2.693	0.1815312	0.0092496	1.20	1.00	15.089	5.554	9.00	11.00	14.00	18.00	22.00	2.888	15.969	5.847	10.00	12.00	15.00	19.00	24.00
0.05	2.693	0.1815312	0.0092496	1.30	1.00	9.804	2.706	7.00	8.00	9.00	11.00	13.00	2.888	10.344	2.836	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	1.00	7.564	1.746	6.00	6.00	7.00	9.00	10.00	2.888	7.930	1.799	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	1.00	28.334	16.563	12.00	17.00	24.00	36.00	50.00	2.888	30.440	17.884	13.00	18.00	26.00	38.00	54.00
0.05	2.693	0.1815312	0.0092496	0.80	1.00	10.153	3.901	6.00	7.00	9.00	12.00	15.00	2.888	10.645	4.054	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	1.00	5.769	1.722	4.00	5.00	6.00	7.00	8.00	2.888	6.028	1.790	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	1.00	3.876	1.013	3.00	3.00	4.00	4.00	5.00	2.888	4.036	1.037	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	1.00	2.802	0.682	2.00	2.00	3.00	3.00	4.00	2.888	2.905	0.701	2.00	2.00	3.00	3.00	4.00
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.920	367.800	44.00	110.00	258.00	506.00	849.00	3.164	500.945	495.139	60.00	146.00	350.00	696.00	1154.10
0.10	2.990	0.2591099	0.0188559	1.10	1.00	44.489	33.226	14.00	21.00	35.00	58.00	88.00	3.164	50.161	38.501	15.00	23.00	39.00	65.00	99.00
0.10	2.990	0.2591099	0.0188559	1.20	1.00	14.314	6.772	7.00	9.00	13.00	17.00	23.00	3.164	15.229	7.435	8.00	10.00	14.00	18.00	25.00
0.10	2.990	0.2591099	0.0188559	1.30	1.00	8.595	3.015	5.00	6.00	8.00	10.00	13.00	3.164	9.012	3.137	6.00	7.00	8.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	1.00	6.400	1.788	4.00	5.00	6.00	7.00	9.00	3.164	6.666	1.880	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	1.00	28.620	20.604	9.00	14.00	23.00	37.00	55.00	3.164	31.228	22.906	10.00	15.00	25.00	40.00	60.00
0.10	2.990	0.2591099	0.0188559	0.80	1.00	8.898	4.098	5.00	6.00	8.00	11.00	14.00	3.164	9.214	4.241	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	1.00	4.797	1.719	3.00	4.00	5.00	6.00	7.00	3.164	4.998	1.788	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	1.00	3.148	0.948	2.00	2.00	3.00	4.00	4.00	3.164	3.262	0.977	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	1.00	2.289	0.614	2.00	2.00	2.00	3.00	3.00	3.164	2.356	0.624	2.00	2.00	2.00	3.00	3.00
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.290	361.407	44.00	111.00	261.00	518.00	842.00	3.276	499.754	488.871	59.00	152.00	352.00	693.25	1133.00
0.15	3.108	0.3218169	0.0287890	1.10	1.00	55.740	47.435	13.00	22.00	41.00	74.00	117.00	3.276	66.505	57.520	15.00	26.00	49.00	89.00	142.00
0.15	3.108	0.3218169	0.0287890	1.20	1.00	14.844	8.353	7.00	9.00	13.00	18.00	26.00	3.276	16.238	9.514	7.00	10.00	14.00	20.00	29.00
0.15	3.108	0.3218169	0.0287890	1.30	1.00	8.258	3.420	5.00	6.00	8.00	10.00	13.00	3.276	8.710	3.637	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	1.00	5.939	1.919	4.00	5.00	6.00	7.00	8.00	3.276	6.201	2.036	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	1.00	30.517	24.750	8.00	13.00	23.00	40.00	62.00	3.276	33.587	26.930	9.00	14.00	26.00	44.00	69.00
0.15	3.108	0.3218169	0.0287890	0.80	1.00	8.386	4.480	4.00	5.00	7.00	10.00	14.00	3.276	8.805	4.691	4.00	5.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	1.00	4.342	1.727	2.00	3.00	4.00	5.00	7.00	3.276	4.489	1.776	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	1.00	2.818	0.931	2.00	2.00	3.00	3.00	4.00	3.276	2.916	0.955	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	1.00	2.050	0.607	1.00	2.00	2.00	2.00	3.00	3.276	2.095	0.603	1.00	2.00	2.00	2.00	3.00
Case 3																				
$\phi=80$																				
0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.250	354.125	53.00	116.00	260.00	514.00	841.00	2.887	500.238	490.462	66.00	153.00	346.00	687.00	1133.00
0.05	2.707	0.1806445	0.0092291	1.10	1.00	61.446	43.044	21.00	31.00	50.00	79.00	118.00	2.887	68.992	48.833	24.00	35.00	55.00	89.00	134.00
0.05	2.707	0.1806445	0.0092291	1.20	1.00	23.219	10.683	12.00	16.00	21.00	28.00	37.00	2.887	24.445	11.090	13.00	17.00	22.00	30.00	39.00
0.05	2.707	0.1806445	0.0092291	1.30	1.00	14.397	4.876	9.00	11.00	14.00	17.00	21.00	2.887	15.127	5.137	10.00	11.00	14.00	18.00	22.00
0.05	2.707	0.1806445	0.0092291	1.40	1.00	10.820	2.995	7.00	9.00	10.00	12.00	15.00	2.887	11.340	3.108	8.00	9.00	11.00	13.00	15.00
0.05	2.707	0.1806445	0.0092291	0.90	1.00	43.729	29.797	15.00	23.00	36.00	56.00	82.00	2.887	47.430	31.920	16.00	25.00	39.00	61.00	88.00
0.05	2.707	0.1806445	0.0092291	0.80	1.00	14.746	6.759	8.00	10.00	13.00	18.00	24.00	2.887	15.544	7.211	8.00	10.00	14.00	19.00	25.00
0.05	2.707	0.1806445	0.0092291	0.70	1.00	8.118	2.933	5.00	6.00	8.00	10.00	12.00	2.887	8.457	3.059	5.00	6.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.60	1.00	5.263	1.632	3.00	4.00	5.00	6.00	7.00	2.887	5.474	1.682	4.00	4.00	5.00	6.00	8.00
0.05	2.707	0.1806445	0.0092291	0.50	1.00	3.751	1.047	3.00	3.00	4.00	4.00	5.00	2.887	3.862	1.057	3.00	3.00	4.00	4.00	5.00
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.027	357.319	46.00	114.00	259.50	501.25	830.00	3.165	500.856	488.539	61.00	151.00	352.00	691.00	1156.00
0.10	2.989	0.2591572	0.0188247	1.10	1.00	82.757	70.261	19.00	33.00	61.00	111.00	175.10	3.165	100.167	85.899	22.90	39.00	75.00	134.00	213.00
0.10	2.989	0.2591572	0.0188247	1.20	1.00	24.375	14.713	10.00	14.00	20.00	31.00	44.00	3.165	26.930	16.766	11.00	15.00	22.00	34.00	49.00
0.10	2.989	0.2591572	0.0188247	1.30	1.00	13.576	5.935	7.00	9.00	12.00	16.00	21.00	3.165	14.605	6.504	8.00	10.00	13.00	18.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	1.00	9.606	3.414	6.00	7.00	9.00	11.00	14.00	3.165	10.160	3.630	6.00	8.00	9.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	1.00	46.383	37.119	12.00	20.00	35.00	61.00	96.00	3.165	52.006	42.671	13.00	22.00	39.00	69.00	108.00
0.10	2.989	0.2591572	0.0188247	0.80	1.00	13.487	7.662	6.00	8.00	12.00	17.00	23.00	3.165	14.121	7.928	6.00	9.00	12.00	18.00	24.00
0.10	2.989	0.2591572	0.0188247	0.70	1.00	6.851	2.933	4.00	5.00	6.00	8.00	11.00	3.165	7.163	3.087	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	1.00	4.350	1.560	3.00	3.00	4.00	5.00	6.00	3.165	4.493	1.633	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	1.00	3.052	0.978	2.00	2.00	3.00	4.00	4.00	3.165	3.149	1.003	2.00	2.00	3.00	4.00	4.00
0.15	3.117	0.3219652	0.0288123	1.00	1.00	371.183	357.213	45.00	112.00	263.00	520.00	837.00	3.290	500.849	485.976	56.00	150.00	355.00	704.25	1155.10
0.15	3.117	0.3219652	0.0288123	1.10	1.00	115.003	106.107	20.00	39.00	82.00	157.00	255.00	3.290	145.668	137.895	24.00	49.00	104.00	195.00	322.00
0.15	3.117	0.3219652	0.0288123	1.20	1.00	29.135	21.059	10.00	14.00	23.00	37.00	56.00	3.290	33.779	24.736	11.00	16.00	27.00	44.00	66.00
0.15	3.117	0.3219652	0.0288123	1.30	1.00	14.373	7.915	7.00	9.00	12.00	18.00	25.00	3.290	15.605	8.688	7.00	9.00	13.00	19.00	27.00
0.15	3.117	0.3219652	0.0288123	1.40	1.00	9.550	4.068	5.00	7.00	9.00	11.00	15.00	3.290	10.097	4.310	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	1.00	50.203	44.264	11.00	20.00	37.00	66.00	107.00	3.290	57.124	51.240	11.00	21.00			

0.15	3.117	0.3219652	0.0288123	0.70	1.00	6.341	3.107	3.00	4.00	6.00	8.00	10.00	3.290	6.686	3.330	3.00	4.00	6.00	8.00	11.00	
0.15	3.117	0.3219652	0.0288123	0.60	1.00	3.921	1.581	2.00	3.00	4.00	5.00	6.00	3.290	4.074	1.646	2.00	3.00	4.00	5.00	6.00	
0.15	3.117	0.3219652	0.0288123	0.50	1.00	2.727	0.951	2.00	2.00	3.00	3.00	4.00	3.290	2.802	0.978	2.00	2.00	3.00	3.00	4.00	
Case 4																					
$\phi=31$																					
0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.385	354.100	54.00	122.00	260.00	510.00	825.00	2.898	500.880	489.431	70.00	153.00	350.00	693.00	1138.00	
0.05	2.704	0.1807397	0.0092360	1.10	1.00	138.487	116.844	32.90	56.00	103.00	184.25	290.00	2.898	168.559	145.829	38.00	66.00	126.00	223.00	351.00	
0.05	2.704	0.1807397	0.0092360	1.20	1.00	49.317	30.888	20.00	28.00	41.00	62.00	90.00	2.898	55.313	35.614	22.00	30.00	46.00	70.00	101.00	
0.05	2.704	0.1807397	0.0092360	1.30	1.00	28.062	13.424	14.00	19.00	25.00	34.00	45.10	2.898	30.428	14.383	16.00	20.00	27.00	37.00	50.00	
0.05	2.704	0.1807397	0.0092360	1.40	1.00	19.967	7.612	12.00	15.00	19.00	24.00	30.00	2.898	21.421	8.343	13.00	16.00	20.00	25.00	32.00	
0.05	2.704	0.1807397	0.0092360	0.90	1.00	81.465	66.539	21.00	35.00	62.00	106.00	168.00	2.898	94.593	77.144	24.00	40.00	72.00	127.00	194.00	
0.05	2.704	0.1807397	0.0092360	0.80	1.00	26.790	15.967	11.00	15.00	23.00	34.00	47.00	2.898	29.067	17.788	12.00	17.00	25.00	37.00	52.00	
0.05	2.704	0.1807397	0.0092360	0.70	1.00	13.929	6.637	7.00	9.00	13.00	17.00	22.00	2.898	14.819	6.974	7.00	10.00	13.00	18.00	24.00	
0.05	2.704	0.1807397	0.0092360	0.60	1.00	8.714	3.575	5.00	6.00	8.00	11.00	13.00	2.898	9.134	3.716	5.00	6.00	8.00	11.00	14.00	
0.05	2.704	0.1807397	0.0092360	0.50	1.00	5.978	2.151	4.00	4.00	6.00	7.00	9.00	2.898	6.230	2.206	4.00	5.00	6.00	7.00	9.00	
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.380	364.296	47.00	115.00	259.00	502.25	829.10	3.165	500.219	494.183	61.00	154.00	346.00	682.25	1143.00	
0.10	2.992	0.2594297	0.0188990	1.10	1.00	217.524	205.595	35.00	73.00	155.50	293.00	481.00	3.165	283.791	268.312	42.00	92.00	202.00	390.00	633.00	
0.10	2.992	0.2594297	0.0188990	1.20	1.00	70.073	56.645	19.00	30.00	53.00	92.00	146.00	3.165	83.969	70.657	21.00	35.00	63.00	111.00	175.00	
0.10	2.992	0.2594297	0.0188990	1.30	1.00	33.281	21.549	13.00	18.00	27.00	42.00	61.00	3.165	37.304	24.720	14.00	20.00	30.00	48.00	70.00	
0.10	2.992	0.2594297	0.0188990	1.40	1.00	21.202	11.305	10.00	13.00	18.00	26.00	36.00	3.165	23.274	12.551	11.00	14.00	20.00	29.00	40.00	
0.10	2.992	0.2594297	0.0188990	0.90	1.00	88.678	79.422	17.00	32.00	65.00	120.00	191.00	3.165	103.117	95.822	19.00	37.00	74.00	138.00	226.00	
0.10	2.992	0.2594297	0.0188990	0.80	1.00	26.350	19.147	8.00	13.00	21.00	34.00	51.00	3.165	29.204	21.824	9.00	14.00	23.00	38.00	57.00	
0.10	2.992	0.2594297	0.0188990	0.70	1.00	12.444	7.113	5.00	7.00	11.00	16.00	22.00	3.165	13.276	7.789	6.00	8.00	11.00	17.00	24.00	
0.10	2.992	0.2594297	0.0188990	0.60	1.00	7.446	3.636	4.00	5.00	7.00	9.00	12.00	3.165	7.850	3.780	4.00	5.00	7.00	10.00	13.00	
0.10	2.992	0.2594297	0.0188990	0.50	1.00	5.018	2.118	3.00	3.00	5.00	6.00	8.00	3.165	5.192	2.173	3.00	4.00	5.00	6.00	8.00	
0.15	3.138	0.3220597	0.0288483	1.00	1.00	370.275	362.434	43.00	111.00	257.00	512.00	847.10	3.299	500.151	491.222	58.00	144.00	352.00	692.00	1141.00	
0.15	3.138	0.3220597	0.0288483	1.10	1.00	317.173	316.173	40.00	94.00	219.50	431.00	729.00	3.299	448.134	439.858	53.00	136.00	315.00	615.00	1009.00	
0.15	3.138	0.3220597	0.0288483	1.20	1.00	108.036	98.629	20.00	38.00	78.00	146.00	237.10	3.299	138.644	128.632	25.00	48.00	99.50	187.00	306.00	
0.15	3.138	0.3220597	0.0288483	1.30	1.00	46.233	36.312	13.00	21.00	35.00	61.00	95.00	3.299	55.090	44.284	14.00	23.00	42.00	73.00	113.00	
0.15	3.138	0.3220597	0.0288483	1.40	1.00	26.253	17.732	10.00	14.00	21.00	33.00	49.00	3.299	29.778	20.342	11.00	15.00	24.00	38.00	56.00	
0.15	3.138	0.3220597	0.0288483	0.90	1.00	93.463	87.570	15.00	32.00	67.00	126.00	207.00	3.299	110.371	104.134	17.00	37.00	78.00	151.00	243.00	
0.15	3.138	0.3220597	0.0288483	0.80	1.00	27.252	21.504	7.00	12.00	21.00	36.00	55.00	3.299	30.258	24.720	8.00	13.00	23.00	40.00	61.00	
0.15	3.138	0.3220597	0.0288483	0.70	1.00	12.157	7.909	4.00	7.00	10.00	16.00	23.00	3.299	12.987	8.567	5.00	7.00	11.00	17.00	25.00	
0.15	3.138	0.3220597	0.0288483	0.60	1.00	6.994	3.828	3.00	4.00	6.00	9.00	12.00	3.299	7.222	3.960	3.00	4.00	6.00	9.00	12.00	
0.15	3.138	0.3220597	0.0288483	0.50	1.00	4.523	2.092	2.00	3.00	4.00	6.00	7.00	3.299	4.684	2.192	2.00	3.00	4.00	6.00	8.00	

TABLE S.9. ARL Results of the Max-EWMA control chart when pure shift occurs in the shape parameter of UNH distribution ($\Delta_\alpha \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\delta = 1.0$) when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$, $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$								
													$ARL_0 = 370$															
Case I																												
$\phi=290$																												
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.888	356.335	53.00	116.00	262.00	504.00	844.00	2.887	500.295	477.988	65.00	155.00	354.00	687.25	1131.10								
0.05	2.687	0.1808245	0.0092612	1.00	1.10	166.979	149.948	32.00	60.00	123.00	224.00	363.00	2.887	200.971	182.821	37.00	71.00	145.00	273.00	433.00								
0.05	2.687	0.1808245	0.0092612	1.00	1.20	75.040	60.525	20.00	33.00	57.00	98.00	154.00	2.887	85.655	70.110	22.00	36.00	65.00	112.00	175.00								
0.05	2.687	0.1808245	0.0092612	1.00	1.30	44.760	31.815	15.00	22.00	36.00	58.00	85.00	2.887	49.571	35.870	16.00	24.00	40.00	64.00	97.00								
0.05	2.687	0.1808245	0.0092612	1.00	1.40	31.034	20.013	12.00	17.00	26.00	40.00	58.00	2.887	33.906	21.602	13.00	18.00	29.00	43.00	62.00								
0.05	2.687	0.1808245	0.0092612	1.00	0.90	243.084	224.121	45.00	86.00	173.00	328.00	530.00	2.887	323.282	298.973	55.00	111.00	233.00	436.00	707.00								
0.05	2.687	0.1808245	0.0092612	1.00	0.80	94.582	72.085	28.00	44.00	73.00	123.00	190.00	2.887	115.197	89.784	33.00	51.00	88.00	151.00	237.00								
0.05	2.687	0.1808245	0.0092612	1.00	0.70	44.753	25.606	20.00	27.00	38.00	55.00	78.00	2.887	49.551	28.656	22.00	29.00	42.00	62.00	87.00								
0.05	2.687	0.1808245	0.0092612	1.00	0.60	26.413	10.708	15.00	19.00	24.00	32.00	40.00	2.887	28.867	11.704	17.00	20.00	27.00	34.00	44.00								
0.05	2.687	0.1808245	0.0092612	1.00	0.50	18.302	5.242	12.00	15.00	17.00	21.00	25.00	2.887	19.625	5.708	13.00	16.00	19.00	22.00	27.00								
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.462	359.852	47.00	113.00	265.00	514.25	836.00	3.162	501.280	486.161	61.90	152.00	348.00	695.00	1162.00								
0.10	2.988	0.2588680	0.0188363	1.00	1.10	175.473	166.208	27.00	57.00	124.00	242.00	389.00	3.162	214.847	203.599	31.00	68.00	153.50	295.00	479.00								

0.10	2.988	0.2588680	0.0188363	1.00	1.20	79.723	69.868	17.00	30.00	59.00	106.00	172.00	3.162	92.837	82.299	18.00	34.00	68.00	126.00	199.00	
0.10	2.988	0.2588680	0.0188363	1.00	1.30	45.871	37.961	12.00	19.00	35.00	60.00	94.00	3.162	51.320	42.762	13.00	22.00	39.00	67.00	106.00	
0.10	2.988	0.2588680	0.0188363	1.00	1.40	30.430	22.646	9.00	14.00	24.00	40.00	59.00	3.162	33.906	26.024	10.00	15.00	26.00	44.00	68.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.90	354.386	335.532	50.00	116.00	252.00	489.00	792.00	3.162	482.968	469.339	59.00	148.00	342.00	672.00	1082.10	
0.10	2.988	0.2588680	0.0188363	1.00	0.80	171.460	155.965	32.00	61.00	125.00	230.00	371.10	3.162	220.906	204.006	37.00	75.00	161.00	303.00	485.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.70	69.668	55.058	20.00	31.00	53.00	91.00	140.00	3.162	87.156	70.772	23.00	37.00	66.00	115.00	181.10	
0.10	2.988	0.2588680	0.0188363	1.00	0.60	33.901	20.487	14.00	20.00	29.00	42.00	61.00	3.162	39.101	24.771	16.00	22.00	32.00	49.00	71.00	
0.10	2.988	0.2588680	0.0188363	1.00	0.50	19.988	8.480	11.00	14.00	18.00	24.00	31.00	3.162	21.951	9.860	12.00	15.00	20.00	26.00	35.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.190	370.757	46.00	108.00	257.00	507.25	846.10	3.267	500.041	481.910	61.00	153.00	359.00	698.00	1120.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.10	176.963	170.981	24.00	55.00	125.00	243.00	402.00	3.267	224.086	215.871	30.00	69.00	160.00	309.00	505.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.20	82.957	76.601	15.00	29.00	59.00	112.00	184.00	3.267	99.240	92.552	17.00	34.00	71.00	134.00	219.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.30	46.735	40.789	10.00	18.00	35.00	63.00	99.00	3.267	53.419	46.752	11.00	20.00	39.00	71.00	115.00	
0.15	3.105	0.3220389	0.0289256	1.00	1.40	30.635	25.239	8.00	13.00	23.00	40.00	64.00	3.267	34.558	28.741	9.00	14.00	26.00	46.00	71.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.90	440.823	439.360	51.00	130.00	309.50	601.25	1002.00	3.267	600.831	585.967	67.00	179.75	425.00	836.00	1369.10	
0.15	3.105	0.3220389	0.0289256	1.00	0.80	279.839	271.041	37.00	87.00	196.00	381.00	639.00	3.267	396.672	388.706	49.90	118.75	277.00	553.00	900.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.70	127.352	114.605	24.00	45.00	92.00	172.00	278.00	3.267	175.925	165.968	28.00	58.00	124.00	241.00	385.10	
0.15	3.105	0.3220389	0.0289256	1.00	0.60	55.120	42.774	16.00	24.00	42.00	73.00	112.00	3.267	70.328	58.467	18.00	29.00	53.00	92.00	146.00	
0.15	3.105	0.3220389	0.0289256	1.00	0.50	26.453	16.005	12.00	15.00	22.00	33.00	47.00	3.267	31.260	19.881	13.00	18.00	26.00	39.00	57.00	
Case 2																					
$\phi=148$																					
0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.560	361.955	52.00	119.00	260.00	504.25	837.00	2.888	500.143	485.266	68.00	155.00	351.00	687.00	1135.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.10	170.088	154.535	32.00	61.00	123.00	230.00	366.00	2.888	207.314	189.281	37.00	73.00	150.00	280.00	458.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.20	77.386	62.132	20.00	33.00	59.00	103.00	158.10	2.888	87.620	72.199	23.00	37.00	66.00	115.00	180.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.30	44.871	32.299	15.00	22.00	36.00	58.00	87.00	2.888	48.811	34.879	16.00	24.00	39.00	63.00	94.00	
0.05	2.693	0.1815312	0.0092496	1.00	1.40	31.407	20.458	12.00	17.00	26.00	40.00	58.00	2.888	33.862	22.094	13.00	18.00	28.00	43.00	62.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.90	251.317	229.950	46.00	89.00	181.00	341.00	552.00	2.888	324.535	305.190	56.00	110.00	231.00	438.00	721.10	
0.05	2.693	0.1815312	0.0092496	1.00	0.80	94.189	72.927	28.00	43.00	73.00	122.00	192.00	2.888	114.508	91.574	32.00	51.00	88.00	151.00	232.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.70	45.236	25.918	20.00	27.00	39.00	56.00	79.10	2.888	50.632	29.571	22.00	30.00	43.00	63.00	89.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.60	26.606	10.722	15.00	19.00	24.00	32.00	41.00	2.888	28.769	11.636	17.00	21.00	26.00	34.00	44.00	
0.05	2.693	0.1815312	0.0092496	1.00	0.50	18.344	5.251	13.00	15.00	17.00	21.00	25.00	2.888	19.678	5.641	13.00	16.00	19.00	23.00	27.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.920	367.800	44.00	110.00	258.00	506.00	849.00	3.164	500.945	495.139	60.00	146.00	350.00	696.00	1154.10	
0.10	2.990	0.2591099	0.0188559	1.00	1.10	173.581	161.606	27.00	58.00	124.00	236.25	387.10	3.164	220.027	209.401	31.00	70.00	156.00	302.00	501.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.20	79.623	70.250	16.00	30.00	58.00	107.00	173.00	3.164	93.694	84.293	18.00	34.00	68.00	127.00	203.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.30	45.847	37.707	12.00	19.00	35.00	61.00	95.00	3.164	51.259	42.517	12.00	21.00	39.00	68.00	106.00	
0.10	2.990	0.2591099	0.0188559	1.00	1.40	30.298	22.963	9.00	14.00	23.00	39.25	61.00	3.164	33.761	25.656	10.00	16.00	26.00	44.00	68.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.90	346.940	340.682	46.00	107.00	242.00	481.00	776.00	3.164	488.673	468.377	64.00	154.00	347.00	670.00	1110.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.80	169.037	156.036	30.00	59.00	122.00	227.00	372.00	3.164	225.462	208.710	37.00	76.00	163.00	310.00	499.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.70	70.418	54.896	20.00	32.00	54.00	92.00	143.00	3.164	86.560	69.232	22.00	37.00	66.00	115.00	181.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.60	33.804	20.508	14.00	20.00	28.00	42.00	61.00	3.164	38.798	24.545	16.00	22.00	32.00	48.00	71.00	
0.10	2.990	0.2591099	0.0188559	1.00	0.50	19.887	8.580	11.00	14.00	18.00	24.00	31.00	3.164	21.880	9.695	12.00	15.00	20.00	26.00	34.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.290	361.407	44.00	111.00	261.00	518.00	842.00	3.276	499.754	488.871	59.00	152.00	352.00	693.25	1133.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.10	174.642	167.151	23.00	54.00	126.00	240.00	391.00	3.276	220.147	213.211	29.00	67.00	157.00	304.00	498.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.20	83.306	76.869	14.00	28.00	60.00	113.00	182.00	3.276	97.547	89.788	17.00	34.00	71.00	133.00	214.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.30	46.473	40.122	10.00	18.00	34.00	63.00	98.00	3.276	52.500	46.044	11.00	20.00	39.00	70.00	112.00	
0.15	3.108	0.3218169	0.0287890	1.00	1.40	30.836	25.227	8.00	13.00	23.00	41.00	64.00	3.276	34.199	27.834	9.00	14.00	26.00	45.00	70.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.90	428.185	419.826	52.00	127.00	299.00	596.25	975.00	3.276	594.210	589.853	70.00	174.00	417.00	818.00	1377.10	
0.15	3.108	0.3218169	0.0287890	1.00	0.80	270.250	261.620	38.00	86.00	191.00	371.00	601.00	3.276	391.944	380.832	49.00	121.00	275.00	543.00	887.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.70	126.681	115.473	24.00	45.00	91.00	171.00	278.00	3.276	176.283	161.418	29.00	60.00	129.00	242.00	391.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.60	54.769	43.365	16.00	24.00	41.00	72.00	113.00	3.276	70.217	57.040	18.00	30.00	53.00	94.00	144.00	
0.15	3.108	0.3218169	0.0287890	1.00	0.50	26.783	16.423	11.00	15.00	22.00	33.00	48.00	3.276	31.167	19.775	13.00	17.00	26.00	39.00	57.00	
Case 3																					
$\phi=80$																					
0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.250	354.125	53.00	116.00	260.00	514.00	841.00	2.887	500.238	490.462	66.00	153.00	346.00	687.00	1133.00	
0.05	2.707	0.1806445	0.0092291	1.00	1.10	168.647	153.685	31.00	60.00	122.00	226.00	367.00	2.887	204.430	187.078	37.00	72.00	147.50	275.00	445.00	
0.05	2.707	0.1806445	0.0092291	1.00	1.20	75.700	61.421	20.00	33.00	57.00	100.00	154.00	2.887	86.290	70.783	22.00	36.00	66.00	115.00	178.00	
0.05	2.707	0.1806445	0.0092291	1.00	1.30	45.126	32.042	15.00	22.00	36.00	59.00	87.00	2.887	49.323	35.523	16.00	24.00	40.00	64.00	96.00	
0.05	2.707	0.1806445	0.0092291	1.00	1.40	31.235	20.037	12.00	17.00	26.00	40.00	57.00	2.887	34.130	21.829	13.00	18.00	28.50	44.00	64.00	
0.05	2.707	0.1806445	0.0092291	1.00	0.90	250.778	232.177	44.90	88.00												

0.05	2.707	0.1806445	0.0092291	1.00	0.50	18.439	5.284	13.00	15.00	17.00	21.00	25.00	2.887	19.458	5.548	13.00	15.00	19.00	22.00	27.00		
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.027	357.319	46.00	114.00	259.50	501.25	830.00	3.165	500.856	488.539	61.00	151.00	352.00	691.00	1156.00		
0.10	2.989	0.2591572	0.0188247	1.00	1.10	173.117	162.750	27.00	57.00	124.00	236.00	384.10	3.165	216.874	207.876	31.00	69.00	155.00	298.00	485.00		
0.10	2.989	0.2591572	0.0188247	1.00	1.20	79.220	70.343	16.00	30.00	58.00	106.00	170.00	3.165	93.319	82.805	18.00	34.00	68.00	127.00	200.00		
0.10	2.989	0.2591572	0.0188247	1.00	1.30	45.641	37.118	12.00	19.00	35.00	60.00	93.10	3.165	51.393	42.525	13.00	21.00	39.00	68.00	107.00		
0.10	2.989	0.2591572	0.0188247	1.00	1.40	30.793	23.242	9.00	14.00	24.00	40.00	61.00	3.165	34.123	26.732	10.00	15.00	26.00	44.00	69.00		
0.10	2.989	0.2591572	0.0188247	1.00	0.90	341.881	332.273	46.00	107.00	238.00	469.00	774.00	3.165	474.402	456.056	63.00	145.00	333.00	656.00	1079.10		
0.10	2.989	0.2591572	0.0188247	1.00	0.80	165.704	151.012	31.00	57.00	118.00	225.00	363.00	3.165	222.247	210.461	37.00	74.75	157.00	300.00	495.00		
0.10	2.989	0.2591572	0.0188247	1.00	0.70	70.330	56.082	20.00	31.00	54.00	91.00	143.00	3.165	86.280	70.194	23.00	37.00	66.00	114.00	177.00		
0.10	2.989	0.2591572	0.0188247	1.00	0.60	33.556	20.385	14.00	19.00	28.00	42.00	60.00	3.165	38.095	24.277	16.00	21.00	31.00	48.00	69.00		
0.10	2.989	0.2591572	0.0188247	1.00	0.50	19.904	8.468	11.00	14.00	18.00	24.00	31.00	3.165	21.694	9.480	12.00	15.00	19.00	26.00	34.00		
0.15	3.117	0.3219652	0.0288123	1.00	1.00	371.183	357.213	45.00	112.00	263.00	520.00	837.00	3.290	500.849	485.976	56.00	150.00	355.00	704.25	1155.10		
0.15	3.117	0.3219652	0.0288123	1.00	1.10	178.006	169.943	25.00	57.00	127.00	242.00	399.00	3.290	233.537	227.396	30.00	73.00	163.00	320.00	537.00		
0.15	3.117	0.3219652	0.0288123	1.00	1.20	84.678	77.733	15.00	29.00	61.00	115.00	185.00	3.290	101.443	95.779	17.00	35.00	72.00	137.00	225.00		
0.15	3.117	0.3219652	0.0288123	1.00	1.30	46.263	40.133	10.00	18.00	34.00	62.00	98.00	3.290	54.508	48.581	11.00	20.00	40.00	73.00	117.00		
0.15	3.117	0.3219652	0.0288123	1.00	1.40	31.024	24.944	8.00	13.00	24.00	41.00	65.00	3.290	34.467	28.773	9.00	15.00	26.00	45.00	71.00		
0.15	3.117	0.3219652	0.0288123	1.00	0.90	430.055	419.817	51.00	127.00	299.00	602.00	985.20	3.290	617.545	610.802	73.00	187.00	434.50	842.00	1401.30		
0.15	3.117	0.3219652	0.0288123	1.00	0.80	276.253	264.065	39.00	87.00	193.00	383.25	633.00	3.290	402.181	387.029	51.00	123.00	284.00	562.00	908.10		
0.15	3.117	0.3219652	0.0288123	1.00	0.70	129.495	117.825	24.00	45.00	92.00	175.25	285.00	3.290	180.031	165.997	29.00	62.00	129.00	245.00	401.00		
0.15	3.117	0.3219652	0.0288123	1.00	0.60	55.390	43.572	16.00	25.00	43.00	72.00	111.00	3.290	70.843	58.605	19.00	30.00	53.00	94.00	146.00		
0.15	3.117	0.3219652	0.0288123	1.00	0.50	26.945	16.296	12.00	15.00	23.00	34.00	48.00	3.290	32.152	20.851	13.00	17.00	26.00	40.00	59.00		
Case 4																						
$\phi=31$																						
0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.385	354.100	54.00	122.00	260.00	510.00	825.00	2.898	500.880	489.431	70.00	153.00	350.00	693.00	1138.00		
0.05	2.704	0.1807397	0.0092360	1.00	1.10	166.589	150.246	32.00	59.00	121.00	224.00	361.00	2.898	206.824	189.700	37.00	72.00	149.00	279.00	452.00		
0.05	2.704	0.1807397	0.0092360	1.00	1.20	75.854	60.909	20.00	33.00	58.00	99.25	155.10	2.898	86.082	70.042	22.00	37.00	65.00	114.00	180.00		
0.05	2.704	0.1807397	0.0092360	1.00	1.30	44.554	31.411	15.00	22.00	36.00	57.00	86.00	2.898	49.126	35.245	16.00	24.00	39.00	64.00	94.00		
0.05	2.704	0.1807397	0.0092360	1.00	1.40	31.540	20.680	12.00	17.00	26.00	40.00	58.10	2.898	34.050	21.862	13.00	19.00	28.00	44.00	63.00		
0.05	2.704	0.1807397	0.0092360	1.00	0.90	246.937	223.137	45.00	86.00	176.50	338.00	557.00	2.898	327.250	305.652	55.90	111.00	232.00	448.00	729.00		
0.05	2.704	0.1807397	0.0092360	1.00	0.80	95.207	71.562	29.00	44.75	74.00	124.00	188.00	2.898	114.346	90.344	32.00	51.00	88.00	151.00	230.10		
0.05	2.704	0.1807397	0.0092360	1.00	0.70	44.626	25.188	20.00	27.00	38.00	55.00	78.00	2.898	50.044	28.657	22.00	30.00	43.00	62.00	88.00		
0.05	2.704	0.1807397	0.0092360	1.00	0.60	26.557	10.719	15.00	19.00	24.00	32.00	40.00	2.898	28.719	11.648	17.00	20.00	26.00	34.00	44.00		
0.05	2.704	0.1807397	0.0092360	1.00	0.50	18.425	5.239	13.00	15.00	18.00	21.00	25.00	2.898	19.593	5.500	14.00	16.00	19.00	23.00	27.00		
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.380	364.296	47.00	115.00	259.00	502.25	829.10	3.165	500.219	494.183	61.00	154.00	346.00	682.25	1143.00		
0.10	2.992	0.2594297	0.0188990	1.00	1.10	173.276	165.377	27.00	56.00	123.00	237.00	385.00	3.165	218.349	209.227	32.00	69.00	154.00	300.00	487.00		
0.10	2.992	0.2594297	0.0188990	1.00	1.20	79.822	70.654	16.00	29.00	58.00	107.00	174.00	3.165	92.967	83.300	18.00	34.00	68.00	126.00	202.00		
0.10	2.992	0.2594297	0.0188990	1.00	1.30	45.827	38.153	12.00	19.00	34.00	61.00	96.00	3.165	51.756	42.732	12.00	21.00	39.00	69.00	108.00		
0.10	2.992	0.2594297	0.0188990	1.00	1.40	30.557	23.351	9.00	14.00	24.00	40.00	61.00	3.165	33.474	25.613	10.00	16.00	26.00	44.00	67.00		
0.10	2.992	0.2594297	0.0188990	1.00	0.90	353.205	341.471	47.00	110.00	251.00	486.00	795.00	3.165	474.838	468.176	63.00	146.00	330.00	650.00	1075.00		
0.10	2.992	0.2594297	0.0188990	1.00	0.80	168.913	152.398	31.00	60.00	124.00	227.00	368.00	3.165	224.035	205.923	38.00	76.00	164.00	305.00	494.00		
0.10	2.992	0.2594297	0.0188990	1.00	0.70	70.933	55.875	20.00	32.00	54.00	93.00	146.00	3.165	86.781	71.401	22.00	36.00	65.00	114.00	180.00		
0.10	2.992	0.2594297	0.0188990	1.00	0.60	34.087	20.934	14.00	20.00	28.00	43.00	61.00	3.165	39.117	24.682	16.00	22.00	32.00	49.00	71.00		
0.10	2.992	0.2594297	0.0188990	1.00	0.50	19.970	8.470	11.00	14.00	18.00	24.00	31.00	3.165	21.881	9.615	12.00	15.00	20.00	26.00	34.00		
0.15	3.138	0.3220597	0.0288483	1.00	1.00	370.275	362.434	43.00	111.00	257.00	512.00	847.10	3.299	500.151	491.222	58.00	144.00	352.00	692.00	1141.00		
0.15	3.138	0.3220597	0.0288483	1.00	1.10	182.615	177.598	24.00	57.00	127.00	249.00	411.00	3.299	230.771	222.401	30.00	71.00	161.00	321.00	525.00		
0.15	3.138	0.3220597	0.0288483	1.00	1.20	85.265	80.048	15.00	29.00	61.00	116.00	188.00	3.299	101.997	95.256	17.00	34.00	72.00	140.00	230.00		
0.15	3.138	0.3220597	0.0288483	1.00	1.30	47.662	41.597	10.00	18.00	35.00	64.00	101.00	3.299	54.464	48.325	11.00	20.00	40.00	74.00	116.10		
0.15	3.138	0.3220597	0.0288483	1.00	1.40	31.571	25.521	8.00	13.00	24.00	42.00	66.00	3.299	34.583	28.305	9.00	15.00	27.00	45.00	72.00		
0.15	3.138	0.3220597	0.0288483	1.00	0.90	434.174	432.764	50.00	128.00	299.50	597.00	1011.10	3.299	596.568	583.880	71.00	180.75	421.50	825.25	1369.10		
0.15	3.138	0.3220597	0.0288483	1.00	0.80	284.549	279.243	38.00	88.75	199.00	387.00	639.00	3.299	396.056	388.110	50.00	119.00	275.00	542.25	901.00		
0.15	3.138	0.3220597	0.0288483	1.00	0.70	133.538	123.394	24.00	47.00	96.00	180.00	292.00	3.299	182.851	172.556	30.00	61.00	129.00	249.00	407.10		
0.15	3.138	0.3220597	0.0288483	1.00	0.60	57.734	45.486	16.00	25.00	44.00	76.00	119.00	3.299	72.603	60.034	18.00	30.00	54.00	97.00	153.00		
0.15	3.138	0.3220597	0.0288483	1.00	0.50	27.705	16.855	12.00	16.00	23.00	35.00	50.00	3.299	32.327	20.947	13.00	18.00	26.00	41.00	60.00		

TABLE S.10. ARL Results of the Max-EWMA control chart when simultaneous shift occurs in the shape2 parameter of beta distribution and shape parameter of UNH distribution ($\Delta_\delta \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$, $\Delta_\alpha \in (1.0, 1.1, 1.2, 1.3, 1.4, 0.9, 0.8, 0.7, 0.6, 0.5)$ when $X \sim B(\gamma, \delta)$, $T \sim UNH(\alpha, \lambda)$, $\mu = 0.20$, $\alpha_0 = 1.50$, $\lambda_0 = 1.00$ $ARL_0 \in (370, 500)$ and $\theta_e \in (0.05, 0.10, 0.15)$

θ_e	K	EM	VM	Δ_δ	Δ_α	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$	K	ARL	$SDRL$	$q10$	$q25$	$q50$	$q75$	$q90$
Case 1 $\phi=290$													$ARL_0 = 500$							
0.05	2.687	0.1808245	0.0092612	1.00	1.00	370.888	356.335	53.00	116.00	262.00	504.00	844.00	2.887	500.295	477.988	65.00	155.00	354.00	687.25	1131.10
0.05	2.687	0.1808245	0.0092612	1.10	1.10	21.737	10.003	11.00	15.00	20.00	26.00	35.00	2.887	23.390	10.790	12.00	16.00	21.00	29.00	38.00
0.05	2.687	0.1808245	0.0092612	1.20	1.10	9.895	2.879	7.00	8.00	9.00	12.00	14.00	2.887	10.345	2.937	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	1.10	6.656	1.485	5.00	6.00	6.00	8.00	9.00	2.887	7.003	1.552	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	1.10	5.233	0.991	4.00	5.00	5.00	6.00	7.00	2.887	5.459	1.010	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	1.10	17.523	8.124	9.00	12.00	16.00	21.00	28.00	2.887	18.828	8.748	10.00	13.00	17.00	23.00	30.00
0.05	2.687	0.1808245	0.0092612	0.80	1.10	6.903	2.142	4.00	5.00	7.00	8.00	10.00	2.887	7.259	2.256	5.00	6.00	7.00	9.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	1.10	4.105	1.017	3.00	3.00	4.00	5.00	5.00	2.887	4.280	1.054	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	1.10	2.834	0.646	2.00	2.00	3.00	3.00	4.00	2.887	2.935	0.656	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	1.10	2.104	0.379	2.00	2.00	2.00	2.00	3.00	2.887	2.174	0.415	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	1.20	20.871	9.487	11.00	14.00	19.00	25.00	33.00	2.887	22.779	10.374	12.00	15.00	21.00	28.00	37.00
0.05	2.687	0.1808245	0.0092612	1.20	1.20	9.849	2.906	7.00	8.00	9.00	11.00	14.00	2.887	10.306	2.951	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	1.20	6.643	1.494	5.00	6.00	6.00	7.00	9.00	2.887	6.970	1.538	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	1.20	5.256	0.995	4.00	5.00	5.00	6.00	7.00	2.887	5.468	1.019	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	1.20	17.086	7.898	9.00	12.00	16.00	21.00	27.00	2.887	18.218	8.358	9.00	12.00	17.00	22.00	29.00
0.05	2.687	0.1808245	0.0092612	0.80	1.20	6.901	2.127	4.00	5.00	7.00	8.00	10.00	2.887	7.226	2.187	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	1.20	4.093	1.024	3.00	3.00	4.00	5.00	5.00	2.887	4.268	1.047	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	1.20	2.819	0.650	2.00	2.00	3.00	3.00	4.00	2.887	2.929	0.647	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	1.20	2.115	0.392	2.00	2.00	2.00	2.00	3.00	2.887	2.166	0.409	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	1.30	19.676	8.788	10.00	13.00	18.00	24.00	31.00	2.887	21.145	9.416	11.00	14.00	19.00	26.00	34.00
0.05	2.687	0.1808245	0.0092612	1.20	1.30	9.822	2.841	7.00	8.00	9.00	11.00	14.00	2.887	10.282	2.934	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	1.30	6.677	1.510	5.00	6.00	7.00	8.00	9.00	2.887	7.003	1.555	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	1.30	5.247	0.975	4.00	5.00	5.00	6.00	6.00	2.887	5.479	1.012	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	1.30	16.297	7.148	9.00	11.00	15.00	20.00	26.00	2.887	17.538	7.715	9.00	12.00	16.00	22.00	28.00
0.05	2.687	0.1808245	0.0092612	0.80	1.30	6.931	2.139	4.00	5.00	7.00	8.00	10.00	2.887	7.225	2.197	5.00	6.00	7.00	9.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	1.30	4.084	1.024	3.00	3.00	4.00	5.00	5.00	2.887	4.254	1.044	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	1.30	2.831	0.652	2.00	2.00	3.00	3.00	4.00	2.887	2.945	0.665	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	1.30	2.115	0.393	2.00	2.00	2.00	2.00	3.00	2.887	2.168	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	1.40	18.060	7.837	10.00	12.00	17.00	22.00	29.00	2.887	19.549	8.394	11.00	14.00	18.00	24.00	31.00
0.05	2.687	0.1808245	0.0092612	1.20	1.40	9.662	2.740	7.00	8.00	9.00	11.00	13.00	2.887	10.198	2.878	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	1.40	6.641	1.479	5.00	6.00	6.00	7.00	9.00	2.887	7.000	1.544	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	1.40	5.236	0.978	4.00	5.00	5.00	6.00	6.00	2.887	5.477	1.012	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	1.40	15.410	6.678	8.00	11.00	14.00	19.00	24.00	2.887	16.552	6.979	9.00	11.00	15.00	20.00	26.00
0.05	2.687	0.1808245	0.0092612	0.80	1.40	6.863	2.076	4.00	5.00	7.00	8.00	10.00	2.887	7.164	2.133	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	1.40	4.119	1.037	3.00	3.00	4.00	5.00	5.00	2.887	4.249	1.047	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	1.40	2.820	0.640	2.00	2.00	3.00	3.00	4.00	2.887	2.936	0.647	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	1.40	2.119	0.385	2.00	2.00	2.00	2.00	3.00	2.887	2.175	0.419	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	0.90	22.067	10.298	11.00	15.00	20.00	27.00	35.00	2.887	23.905	11.315	12.00	16.00	21.00	29.00	39.00
0.05	2.687	0.1808245	0.0092612	1.20	0.90	9.864	2.869	7.00	8.00	9.00	11.00	14.00	2.887	10.423	3.054	7.00	8.00	10.00	12.00	15.00
0.05	2.687	0.1808245	0.0092612	1.30	0.90	6.694	1.514	5.00	6.00	7.00	8.00	9.00	2.887	6.998	1.552	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	0.90	5.239	1.003	4.00	5.00	5.00	6.00	7.00	2.887	5.490	1.013	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	0.90	17.671	8.203	9.00	12.00	16.00	22.00	28.00	2.887	18.665	8.651	9.00	12.00	17.00	23.00	30.00
0.05	2.687	0.1808245	0.0092612	0.80	0.90	6.890	2.151	4.00	5.00	7.00	8.00	10.00	2.887	7.267	2.225	5.00	6.00	7.00	9.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	0.90	4.106	1.020	3.00	3.00	4.00	5.00	5.00	2.887	4.263	1.059	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	0.90	2.829	0.648	2.00	2.00	3.00	3.00	4.00	2.887	2.940	0.645	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	0.90	2.113	0.377	2.00	2.00	2.00	2.00	3.00	2.887	2.173	0.417	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	0.80	21.916	10.110	11.00	15.00	20.00	27.00	35.00	2.887	23.359	10.621	12.00	16.00	21.00	28.00	38.00

0.05	2.687	0.1808245	0.0092612	1.20	0.80	9.851	2.908	7.00	8.00	9.00	11.00	14.00	2.887	10.363	2.991	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	0.80	6.700	1.537	5.00	6.00	7.00	8.00	9.00	2.887	6.988	1.537	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	0.80	5.230	0.987	4.00	5.00	5.00	6.00	6.00	2.887	5.484	1.019	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	0.80	17.633	8.073	9.00	12.00	16.00	22.00	28.00	2.887	18.739	8.616	10.00	13.00	17.00	23.00	30.00
0.05	2.687	0.1808245	0.0092612	0.80	0.80	6.908	2.184	4.00	5.00	7.00	8.00	10.00	2.887	7.230	2.219	5.00	6.00	7.00	9.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	0.80	4.093	1.025	3.00	3.00	4.00	5.00	5.00	2.887	4.271	1.052	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	0.80	2.827	0.647	2.00	2.00	3.00	3.00	4.00	2.887	2.938	0.661	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	0.80	2.116	0.384	2.00	2.00	2.00	2.00	3.00	2.887	2.174	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	0.70	20.735	8.519	11.00	15.00	19.00	25.00	32.00	2.887	22.253	9.316	12.00	16.00	21.00	27.00	35.00
0.05	2.687	0.1808245	0.0092612	1.20	0.70	9.872	2.892	7.00	8.00	9.00	11.00	14.00	2.887	10.414	3.026	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	0.70	6.689	1.508	5.00	6.00	6.00	8.00	9.00	2.887	6.992	1.571	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	0.70	5.249	0.993	4.00	5.00	5.00	6.00	7.00	2.887	5.481	1.017	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	0.70	17.020	7.365	9.00	12.00	16.00	21.00	27.00	2.887	18.185	7.877	10.00	13.00	17.00	22.00	28.00
0.05	2.687	0.1808245	0.0092612	0.80	0.70	6.874	2.137	4.00	5.00	7.00	8.00	10.00	2.887	7.233	2.238	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	0.70	4.094	1.030	3.00	3.00	4.00	5.00	5.00	2.887	4.261	1.039	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	0.70	2.829	0.648	2.00	2.00	3.00	3.00	4.00	2.887	2.924	0.649	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	0.70	2.112	0.385	2.00	2.00	2.00	2.00	3.00	2.887	2.166	0.412	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	0.60	18.633	6.581	11.00	14.00	18.00	22.00	27.00	2.887	20.033	7.040	12.00	15.00	19.00	24.00	29.00
0.05	2.687	0.1808245	0.0092612	1.20	0.60	9.783	2.795	7.00	8.00	9.00	11.00	13.00	2.887	10.407	2.963	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	0.60	6.686	1.520	5.00	6.00	7.00	8.00	9.00	2.887	6.966	1.532	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	0.60	5.232	0.981	4.00	5.00	5.00	6.00	6.00	2.887	5.480	1.015	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	0.60	16.066	6.102	9.00	12.00	15.00	20.00	24.00	2.887	17.034	6.559	9.00	12.00	16.00	21.00	26.00
0.05	2.687	0.1808245	0.0092612	0.80	0.60	6.893	2.123	4.00	5.00	7.00	8.00	10.00	2.887	7.245	2.214	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	0.60	4.100	1.023	3.00	3.00	4.00	5.00	5.00	2.887	4.282	1.052	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	0.60	2.828	0.643	2.00	2.00	3.00	3.00	4.00	2.887	2.940	0.659	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	0.60	2.104	0.386	2.00	2.00	2.00	2.00	3.00	2.887	2.162	0.406	2.00	2.00	2.00	2.00	3.00
0.05	2.687	0.1808245	0.0092612	1.10	0.50	15.930	4.461	11.00	13.00	15.00	18.00	22.00	2.887	16.920	4.599	12.00	14.00	16.00	20.00	23.00
0.05	2.687	0.1808245	0.0092612	1.20	0.50	9.715	2.674	7.00	8.00	9.00	11.00	13.00	2.887	10.231	2.825	7.00	8.00	10.00	12.00	14.00
0.05	2.687	0.1808245	0.0092612	1.30	0.50	6.667	1.482	5.00	6.00	6.00	8.00	9.00	2.887	6.989	1.552	5.00	6.00	7.00	8.00	9.00
0.05	2.687	0.1808245	0.0092612	1.40	0.50	5.234	0.985	4.00	5.00	5.00	6.00	6.00	2.887	5.479	1.019	4.00	5.00	5.00	6.00	7.00
0.05	2.687	0.1808245	0.0092612	0.90	0.50	14.214	4.396	9.00	11.00	14.00	17.00	20.00	2.887	15.231	4.685	9.00	12.00	15.00	18.00	21.00
0.05	2.687	0.1808245	0.0092612	0.80	0.50	6.915	2.085	5.00	5.00	7.00	8.00	10.00	2.887	7.222	2.196	5.00	6.00	7.00	8.00	10.00
0.05	2.687	0.1808245	0.0092612	0.70	0.50	4.080	1.034	3.00	3.00	4.00	5.00	5.00	2.887	4.271	1.061	3.00	4.00	4.00	5.00	6.00
0.05	2.687	0.1808245	0.0092612	0.60	0.50	2.825	0.656	2.00	2.00	3.00	3.00	4.00	2.887	2.930	0.654	2.00	3.00	3.00	3.00	4.00
0.05	2.687	0.1808245	0.0092612	0.50	0.50	2.119	0.392	2.00	2.00	2.00	2.00	3.00	2.887	2.174	0.415	2.00	2.00	2.00	2.00	3.00
0.10	2.988	0.2588680	0.0188363	1.00	1.00	370.462	359.852	47.00	113.00	265.00	514.25	836.00	3.162	501.280	486.161	61.90	152.00	348.00	695.00	1162.00
0.10	2.988	0.2588680	0.0188363	1.10	1.10	22.366	13.453	9.00	13.00	19.00	28.00	40.00	3.162	24.742	15.467	10.00	14.00	21.00	31.00	45.00
0.10	2.988	0.2588680	0.0188363	1.20	1.10	8.628	3.172	5.00	6.00	8.00	10.00	13.00	3.162	9.072	3.307	6.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	1.10	5.596	1.508	4.00	5.00	5.00	6.00	8.00	3.162	5.810	1.558	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	1.10	4.318	0.966	3.00	4.00	4.00	5.00	6.00	3.162	4.470	0.993	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	1.10	16.426	9.525	7.00	10.00	14.00	21.00	29.00	3.162	17.741	10.364	7.00	10.00	15.00	22.00	31.00
0.10	2.988	0.2588680	0.0188363	0.80	1.10	5.784	2.140	3.00	4.00	5.00	7.00	9.00	3.162	6.072	2.243	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	1.10	3.324	0.971	2.00	3.00	3.00	4.00	5.00	3.162	3.453	1.003	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	1.10	2.310	0.572	2.00	2.00	2.00	3.00	3.00	3.162	2.366	0.589	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	1.10	1.766	0.467	1.00	1.00	2.00	2.00	2.00	3.162	1.813	0.450	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	1.20	21.067	12.484	9.00	12.00	18.00	26.00	38.00	3.162	22.959	13.700	10.00	13.00	20.00	29.00	40.00
0.10	2.988	0.2588680	0.0188363	1.20	1.20	8.583	3.128	5.00	6.00	8.00	10.00	13.00	3.162	9.014	3.242	5.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	1.20	5.601	1.557	4.00	5.00	5.00	6.00	8.00	3.162	5.832	1.591	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	1.20	4.334	0.987	3.00	4.00	4.00	5.00	6.00	3.162	4.467	0.990	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	1.20	15.946	9.119	7.00	9.00	14.00	20.00	28.00	3.162	16.965	9.769	7.00	10.00	15.00	21.00	29.10
0.10	2.988	0.2588680	0.0188363	0.80	1.20	5.819	2.127	3.00	4.00	5.00	7.00	9.00	3.162	6.007	2.206	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	1.20	3.353	0.975	2.00	3.00	3.00	4.00	5.00	3.162	3.445	0.998	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	1.20	2.305	0.561	2.00	2.00	2.00	3.00	3.00	3.162	2.375	0.583	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	1.20	1.768	0.461	1.00	2.00	2.00	2.00	2.00	3.162	1.821	0.450	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	1.30	19.027	10.717	8.00	11.00	16.00	24.00	33.00	3.162	20.795	12.136	9.00	12.00	18.00	26.00	37.00
0.10	2.988	0.2588680	0.0188363	1.20	1.30	8.555	3.065	5.00	6.00	8.00	10.00	13.00	3.162	8.976	3.198	5.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	1.30	5.557	1.480	4.00	4.00	5.00	6.00	7.00	3.162	5.849	1.601	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	1.30	4.308	0.963	3.00	4.00	4.00	5.00	6.00	3.162	4.458	0.985	3.00				

0.10	2.988	0.2588680	0.0188363	0.50	1.30	1.766	0.470	1.00	1.00	2.00	2.00	2.00	3.162	1.816	0.448	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	1.40	16.957	9.369	8.00	10.00	15.00	21.00	29.00	3.162	18.554	10.534	8.00	11.00	16.00	23.00	32.00
0.10	2.988	0.2588680	0.0188363	1.20	1.40	8.368	3.003	5.00	6.00	8.00	10.00	12.00	3.162	8.800	3.109	5.00	7.00	8.00	10.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	1.40	5.567	1.512	4.00	4.00	5.00	6.00	8.00	3.162	5.800	1.565	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	1.40	4.290	0.970	3.00	4.00	4.00	5.00	6.00	3.162	4.474	1.005	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	1.40	14.047	7.572	6.00	9.00	12.00	18.00	24.00	3.162	14.964	8.105	7.00	9.00	13.00	19.00	25.00
0.10	2.988	0.2588680	0.0188363	0.80	1.40	5.728	2.083	3.00	4.00	5.00	7.00	9.00	3.162	5.948	2.151	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	1.40	3.350	0.974	2.00	3.00	3.00	4.00	5.00	3.162	3.473	1.004	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	1.40	2.302	0.566	2.00	2.00	2.00	3.00	3.00	3.162	2.371	0.582	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	1.40	1.762	0.471	1.00	1.00	2.00	2.00	2.00	3.162	1.820	0.440	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	0.90	22.906	14.021	9.00	13.00	19.00	29.00	41.00	3.162	25.047	15.611	10.00	14.00	21.00	32.00	45.00
0.10	2.988	0.2588680	0.0188363	1.20	0.90	8.670	3.194	5.00	6.00	8.00	10.00	13.00	3.162	9.107	3.343	5.00	7.00	8.00	11.00	14.00
0.10	2.988	0.2588680	0.0188363	1.30	0.90	5.602	1.539	4.00	5.00	5.00	6.00	8.00	3.162	5.827	1.606	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	0.90	4.309	0.962	3.00	4.00	4.00	5.00	6.00	3.162	4.485	1.005	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	0.90	16.689	9.686	7.00	10.00	14.00	21.00	29.00	3.162	18.199	10.967	8.00	10.00	15.00	23.00	33.00
0.10	2.988	0.2588680	0.0188363	0.80	0.90	5.803	2.145	3.00	4.00	5.00	7.00	9.00	3.162	6.070	2.219	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	0.90	3.346	0.970	2.00	3.00	3.00	4.00	5.00	3.162	3.467	0.997	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	0.90	2.313	0.574	2.00	2.00	2.00	3.00	3.00	3.162	2.381	0.594	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	0.90	1.769	0.469	1.00	1.00	2.00	2.00	2.00	3.162	1.813	0.455	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	0.80	22.615	13.538	9.00	13.00	19.00	29.00	40.00	3.162	24.997	15.058	10.00	14.00	21.00	32.00	45.00
0.10	2.988	0.2588680	0.0188363	1.20	0.80	8.639	3.219	5.00	6.00	8.00	10.00	13.00	3.162	9.113	3.311	6.00	7.00	9.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	0.80	5.603	1.496	4.00	5.00	5.00	6.00	8.00	3.162	5.839	1.594	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	0.80	4.320	0.956	3.00	4.00	4.00	5.00	6.00	3.162	4.465	0.985	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	0.80	16.589	9.709	7.00	10.00	14.00	21.00	29.00	3.162	17.784	10.311	7.00	10.00	15.00	23.00	31.00
0.10	2.988	0.2588680	0.0188363	0.80	0.80	5.805	2.126	3.00	4.00	5.00	7.00	9.00	3.162	6.036	2.204	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	0.80	3.352	0.977	2.00	3.00	3.00	4.00	5.00	3.162	3.462	1.001	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	0.80	2.307	0.571	2.00	2.00	2.00	3.00	3.00	3.162	2.367	0.586	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	0.80	1.771	0.466	1.00	2.00	2.00	2.00	2.00	3.162	1.818	0.448	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	0.70	21.438	12.313	9.00	13.00	19.00	27.00	37.00	3.162	23.380	13.424	10.00	14.00	20.00	29.00	41.00
0.10	2.988	0.2588680	0.0188363	1.20	0.70	8.641	3.163	5.00	6.00	8.00	10.00	13.00	3.162	9.035	3.278	5.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	0.70	5.614	1.555	4.00	5.00	5.00	6.00	8.00	3.162	5.855	1.588	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	0.70	4.295	0.965	3.00	4.00	4.00	5.00	6.00	3.162	4.478	0.993	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	0.70	16.356	9.191	7.00	10.00	14.00	21.00	28.00	3.162	17.506	9.921	7.00	10.00	15.00	22.00	31.00
0.10	2.988	0.2588680	0.0188363	0.80	0.70	5.790	2.146	3.00	4.00	5.00	7.00	9.00	3.162	6.047	2.229	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	0.70	3.350	0.980	2.00	3.00	3.00	4.00	5.00	3.162	3.454	0.997	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	0.70	2.313	0.568	2.00	2.00	2.00	3.00	3.00	3.162	2.373	0.585	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	0.70	1.771	0.463	1.00	2.00	2.00	2.00	2.00	3.162	1.810	0.450	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	0.60	18.991	9.384	9.00	12.00	17.00	23.00	31.00	3.162	20.672	10.514	10.00	13.00	18.00	26.00	34.00
0.10	2.988	0.2588680	0.0188363	1.20	0.60	8.579	3.036	5.00	6.00	8.00	10.00	13.00	3.162	9.048	3.275	5.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	0.60	5.634	1.554	4.00	5.00	5.00	6.00	8.00	3.162	5.869	1.595	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	0.60	4.300	0.966	3.00	4.00	4.00	5.00	6.00	3.162	4.485	0.999	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	0.60	15.153	7.724	7.00	10.00	14.00	19.00	25.00	3.162	16.441	8.326	8.00	11.00	15.00	21.00	27.00
0.10	2.988	0.2588680	0.0188363	0.80	0.60	5.810	2.136	3.00	4.00	5.00	7.00	9.00	3.162	6.038	2.195	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	0.60	3.337	0.965	2.00	3.00	3.00	4.00	5.00	3.162	3.478	1.013	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	0.60	2.308	0.572	2.00	2.00	2.00	3.00	3.00	3.162	2.367	0.583	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	0.60	1.763	0.467	1.00	1.00	2.00	2.00	2.00	3.162	1.823	0.447	1.00	2.00	2.00	2.00	2.00
0.10	2.988	0.2588680	0.0188363	1.10	0.50	15.599	6.132	9.00	11.00	14.00	19.00	23.00	3.162	16.863	6.730	10.00	12.00	16.00	20.00	26.00
0.10	2.988	0.2588680	0.0188363	1.20	0.50	8.598	2.920	5.00	6.00	8.00	10.00	12.00	3.162	8.989	3.099	6.00	7.00	8.00	11.00	13.00
0.10	2.988	0.2588680	0.0188363	1.30	0.50	5.618	1.551	4.00	5.00	5.00	6.00	8.00	3.162	5.850	1.588	4.00	5.00	6.00	7.00	8.00
0.10	2.988	0.2588680	0.0188363	1.40	0.50	4.326	0.974	3.00	4.00	4.00	5.00	6.00	3.162	4.456	0.983	3.00	4.00	4.00	5.00	6.00
0.10	2.988	0.2588680	0.0188363	0.90	0.50	13.343	5.574	7.00	9.00	13.00	16.00	21.00	3.162	14.439	6.183	7.00	10.00	14.00	18.00	22.00
0.10	2.988	0.2588680	0.0188363	0.80	0.50	5.834	2.166	3.00	4.00	5.00	7.00	9.00	3.162	6.057	2.211	4.00	4.00	6.00	7.00	9.00
0.10	2.988	0.2588680	0.0188363	0.70	0.50	3.361	0.984	2.00	3.00	3.00	4.00	5.00	3.162	3.464	0.999	2.00	3.00	3.00	4.00	5.00
0.10	2.988	0.2588680	0.0188363	0.60	0.50	2.301	0.563	2.00	2.00	2.00	3.00	3.00	3.162	2.367	0.583	2.00	2.00	2.00	3.00	3.00
0.10	2.988	0.2588680	0.0188363	0.50	0.50	1.768	0.466	1.00	1.00	2.00	2.00	2.00	3.162	1.815	0.451	1.00	2.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.00	1.00	370.190	370.757	46.00	108.00	257.00	507.25	846.10	3.267	500.041	481.910	61.00	153.00	359.00	698.00	1120.00
0.15	3.105	0.3220389	0.0289256	1.10	1.10	25.115	17.964	8.00	13.00	20.00	32.00	49.00	3.267	27.928	20.151	9.00	14.00	22.00	36.00	55.00
0.15	3.105	0.3220389	0.0289256	1.20	1.10	8.346	3.650	5.00	6.00	8.00	10.00	13.00	3.267	8.775	3.753	5.00	6.00</			

0.15	3.105	0.3220389	0.0289256	0.70	1.10	2.987	0.956	2.00	2.00	3.00	3.00	4.00	3.267	3.086	0.987	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	1.10	2.063	0.549	1.00	2.00	2.00	2.00	3.00	3.267	2.107	0.544	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.10	1.506	0.512	1.00	1.00	2.00	2.00	2.00	3.267	1.559	0.511	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	1.20	22.877	15.732	8.00	12.00	19.00	29.00	43.00	3.267	25.456	18.277	9.00	13.00	20.00	33.00	49.00
0.15	3.105	0.3220389	0.0289256	1.20	1.20	8.227	3.537	5.00	6.00	7.00	10.00	13.00	3.267	8.653	3.750	5.00	6.00	8.00	10.00	14.00
0.15	3.105	0.3220389	0.0289256	1.30	1.20	5.116	1.597	3.00	4.00	5.00	6.00	7.00	3.267	5.341	1.656	4.00	4.00	5.00	6.00	8.00
0.15	3.105	0.3220389	0.0289256	1.40	1.20	3.865	0.971	3.00	3.00	4.00	4.00	5.00	3.267	4.010	1.018	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	1.20	16.042	10.573	6.00	9.00	13.00	21.00	29.00	3.267	17.392	11.727	6.00	9.00	14.00	22.00	33.00
0.15	3.105	0.3220389	0.0289256	0.80	1.20	5.322	2.244	3.00	4.00	5.00	6.00	8.00	3.267	5.515	2.312	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	1.20	2.978	0.962	2.00	2.00	3.00	3.00	4.00	3.267	3.101	0.990	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	1.20	2.055	0.554	1.00	2.00	2.00	2.00	3.00	3.267	2.118	0.558	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.20	1.517	0.513	1.00	1.00	2.00	2.00	2.00	3.267	1.562	0.512	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	1.30	20.326	13.725	7.00	11.00	17.00	26.00	38.00	3.267	22.540	15.455	8.00	12.00	18.00	29.00	43.00
0.15	3.105	0.3220389	0.0289256	1.20	1.30	8.106	3.409	5.00	6.00	7.00	10.00	13.00	3.267	8.591	3.680	5.00	6.00	8.00	10.00	13.00
0.15	3.105	0.3220389	0.0289256	1.30	1.30	5.089	1.570	3.00	4.00	5.00	6.00	7.00	3.267	5.331	1.673	4.00	4.00	5.00	6.00	7.00
0.15	3.105	0.3220389	0.0289256	1.40	1.30	3.867	0.971	3.00	3.00	4.00	4.00	5.00	3.267	4.009	1.005	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	1.30	14.867	9.513	6.00	8.00	12.00	19.00	27.10	3.267	16.215	10.683	6.00	9.00	13.00	20.00	30.00
0.15	3.105	0.3220389	0.0289256	0.80	1.30	5.288	2.210	3.00	4.00	5.00	6.00	8.00	3.267	5.491	2.263	3.00	4.00	5.00	7.00	8.00
0.15	3.105	0.3220389	0.0289256	0.70	1.30	2.980	0.946	2.00	2.00	3.00	3.00	4.00	3.267	3.074	0.980	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	1.30	2.063	0.557	1.00	2.00	2.00	2.00	3.00	3.267	2.111	0.564	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.30	1.514	0.515	1.00	1.00	2.00	2.00	2.00	3.267	1.559	0.510	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	1.40	17.665	11.461	7.00	10.00	15.00	22.00	33.00	3.267	19.435	12.934	7.00	10.00	16.00	25.00	36.00
0.15	3.105	0.3220389	0.0289256	1.20	1.40	8.050	3.398	4.00	6.00	7.00	10.00	13.00	3.267	8.426	3.536	5.00	6.00	8.00	10.00	13.00
0.15	3.105	0.3220389	0.0289256	1.30	1.40	5.074	1.580	3.00	4.00	5.00	6.00	7.00	3.267	5.311	1.631	4.00	4.00	5.00	6.00	7.00
0.15	3.105	0.3220389	0.0289256	1.40	1.40	3.864	0.975	3.00	3.00	4.00	4.00	5.00	3.267	4.016	0.996	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	1.40	13.648	8.511	5.00	8.00	11.00	17.00	25.00	3.267	14.652	9.299	6.00	8.00	12.00	18.00	27.00
0.15	3.105	0.3220389	0.0289256	0.80	1.40	5.261	2.184	3.00	4.00	5.00	6.00	8.00	3.267	5.429	2.232	3.00	4.00	5.00	7.00	8.00
0.15	3.105	0.3220389	0.0289256	0.70	1.40	2.975	0.949	2.00	2.00	3.00	3.00	4.00	3.267	3.075	0.981	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	1.40	2.061	0.561	1.00	2.00	2.00	2.00	3.00	3.267	2.108	0.570	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	1.40	1.515	0.511	1.00	1.00	2.00	2.00	2.00	3.267	1.560	0.513	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	0.90	26.323	19.060	9.00	13.00	21.00	34.00	51.00	3.267	29.378	21.899	9.00	14.00	23.00	38.00	57.00
0.15	3.105	0.3220389	0.0289256	1.20	0.90	8.316	3.611	5.00	6.00	8.00	10.00	13.00	3.267	8.788	3.800	5.00	6.00	8.00	11.00	14.00
0.15	3.105	0.3220389	0.0289256	1.30	0.90	5.147	1.591	3.00	4.00	5.00	6.00	7.00	3.267	5.367	1.720	4.00	4.00	5.00	6.00	8.00
0.15	3.105	0.3220389	0.0289256	1.40	0.90	3.878	0.979	3.00	3.00	4.00	4.00	5.00	3.267	4.002	1.015	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	0.90	17.273	11.820	6.00	9.00	14.00	22.00	33.00	3.267	18.759	12.835	7.00	10.00	15.00	24.00	36.00
0.15	3.105	0.3220389	0.0289256	0.80	0.90	5.308	2.247	3.00	4.00	5.00	6.00	8.00	3.267	5.533	2.348	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	0.90	2.973	0.969	2.00	2.00	3.00	3.00	4.00	3.267	3.084	0.975	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	0.90	2.054	0.555	1.00	2.00	2.00	2.00	3.00	3.267	2.112	0.565	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.90	1.500	0.511	1.00	1.00	1.00	2.00	2.00	3.267	1.560	0.515	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	0.80	25.844	18.333	9.00	13.00	21.00	33.00	50.00	3.267	29.071	21.323	9.00	14.00	23.00	38.00	57.00
0.15	3.105	0.3220389	0.0289256	1.20	0.80	8.288	3.540	5.00	6.00	8.00	10.00	13.00	3.267	8.772	3.844	5.00	6.00	8.00	11.00	14.00
0.15	3.105	0.3220389	0.0289256	1.30	0.80	5.132	1.629	3.00	4.00	5.00	6.00	7.00	3.267	5.346	1.663	4.00	4.00	5.00	6.00	8.00
0.15	3.105	0.3220389	0.0289256	1.40	0.80	3.877	0.997	3.00	3.00	4.00	4.00	5.00	3.267	4.017	1.017	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	0.80	17.287	11.742	6.00	9.00	14.00	22.00	32.00	3.267	18.886	12.978	7.00	10.00	15.00	24.00	36.00
0.15	3.105	0.3220389	0.0289256	0.80	0.80	5.338	2.252	3.00	4.00	5.00	6.00	8.00	3.267	5.589	2.381	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	0.80	2.990	0.967	2.00	2.00	3.00	3.00	4.00	3.267	3.093	0.985	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	0.80	2.061	0.556	1.00	2.00	2.00	2.00	3.00	3.267	2.115	0.568	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.80	1.507	0.512	1.00	1.00	2.00	2.00	2.00	3.267	1.548	0.515	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	0.70	24.566	16.981	9.00	12.00	20.00	32.00	47.00	3.267	27.768	19.541	9.00	14.00	22.00	36.00	54.00
0.15	3.105	0.3220389	0.0289256	1.20	0.70	8.345	3.627	5.00	6.00	8.00	10.00	13.00	3.267	8.817	3.911	5.00	6.00	8.00	11.00	14.00
0.15	3.105	0.3220389	0.0289256	1.30	0.70	5.151	1.601	3.00	4.00	5.00	6.00	7.00	3.267	5.325	1.632	4.00	4.00	5.00	6.00	7.00
0.15	3.105	0.3220389	0.0289256	1.40	0.70	3.860	0.977	3.00	3.00	4.00	4.00	5.00	3.267	4.020	1.009	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	0.70	17.003	11.091	6.00	9.00	14.00	22.00	31.00	3.267	18.273	12.188	7.00	10.00	15.00	24.00	34.00
0.15	3.105	0.3220389	0.0289256	0.80	0.70	5.330	2.272	3.00	4.00	5.00	6.00	8.00	3.267	5.530	2.310	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	0.70	2.978	0.956	2.00	2.00	3.00	3.00	4.00	3.267	3.093	0.994	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	0.70	2.055	0.551	1.00	2.00	2.00	2.00	3.00	3.267	2.113	0.562	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.70	1.526	0.511	1.00	1.00	2.00	2.00	2.00	3.267	1.560	0.515	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	0.60	21.898	13.724	9.00	12.00	18.00	28.00	40.00	3.267	25.211	16.499	9.00	13.00	21.00	32.00	47.00

0.15	3.105	0.3220389	0.0289256	0.80	0.60	5.304	2.221	3.00	4.00	5.00	6.00	8.00	3.267	5.571	2.298	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	0.60	2.962	0.951	2.00	2.00	3.00	3.00	4.00	3.267	3.074	0.985	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	0.60	2.056	0.555	1.00	2.00	2.00	2.00	3.00	3.267	2.122	0.562	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.60	1.503	0.513	1.00	1.00	1.00	2.00	2.00	3.267	1.556	0.512	1.00	1.00	2.00	2.00	2.00
0.15	3.105	0.3220389	0.0289256	1.10	0.50	17.782	9.309	8.00	11.00	16.00	22.00	30.00	3.267	20.178	11.152	9.00	12.00	18.00	25.00	35.00
0.15	3.105	0.3220389	0.0289256	1.20	0.50	8.194	3.289	5.00	6.00	8.00	10.00	13.00	3.267	8.657	3.602	5.00	6.00	8.00	10.00	13.00
0.15	3.105	0.3220389	0.0289256	1.30	0.50	5.132	1.610	3.00	4.00	5.00	6.00	7.00	3.267	5.372	1.668	4.00	4.00	5.00	6.00	8.00
0.15	3.105	0.3220389	0.0289256	1.40	0.50	3.886	0.988	3.00	3.00	4.00	4.00	5.00	3.267	4.019	1.011	3.00	3.00	4.00	5.00	5.00
0.15	3.105	0.3220389	0.0289256	0.90	0.50	14.232	7.622	6.00	9.00	13.00	18.00	24.00	3.267	15.458	8.660	7.00	9.00	14.00	19.00	27.00
0.15	3.105	0.3220389	0.0289256	0.80	0.50	5.312	2.228	3.00	4.00	5.00	6.00	8.00	3.267	5.558	2.333	3.00	4.00	5.00	7.00	9.00
0.15	3.105	0.3220389	0.0289256	0.70	0.50	2.987	0.963	2.00	2.00	3.00	3.00	4.00	3.267	3.068	0.969	2.00	2.00	3.00	4.00	4.00
0.15	3.105	0.3220389	0.0289256	0.60	0.50	2.057	0.560	1.00	2.00	2.00	2.00	3.00	3.267	2.123	0.567	2.00	2.00	2.00	2.00	3.00
0.15	3.105	0.3220389	0.0289256	0.50	0.50	1.506	0.513	1.00	1.00	1.00	2.00	2.00	3.267	1.554	0.514	1.00	1.00	2.00	2.00	2.00

ARL₀ = 370

ARL₀ = 500

Case 2
φ=148

0.05	2.693	0.1815312	0.0092496	1.00	1.00	371.560	361.955	52.00	119.00	260.00	504.25	837.00	2.888	500.143	485.266	68.00	155.00	351.00	687.00	1135.00
0.05	2.693	0.1815312	0.0092496	1.10	1.10	35.655	20.841	15.00	21.00	31.00	45.00	62.00	2.888	38.647	22.347	17.00	23.00	33.00	48.00	67.00
0.05	2.693	0.1815312	0.0092496	1.20	1.10	15.032	5.466	9.00	11.00	14.00	18.00	22.00	2.888	15.953	5.744	10.00	12.00	15.00	19.00	24.00
0.05	2.693	0.1815312	0.0092496	1.30	1.10	9.812	2.686	7.00	8.00	9.00	11.00	13.00	2.888	10.314	2.817	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	1.10	7.566	1.706	6.00	6.00	7.00	9.00	10.00	2.888	7.900	1.758	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	1.10	27.128	15.329	12.00	16.00	24.00	34.00	47.00	2.888	29.297	16.647	13.00	17.00	25.00	37.00	51.00
0.05	2.693	0.1815312	0.0092496	0.80	1.10	10.123	3.762	6.00	7.00	10.00	12.00	15.00	2.888	10.622	3.878	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	1.10	5.817	1.779	4.00	5.00	6.00	7.00	8.00	2.888	6.004	1.792	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	1.10	3.864	1.004	3.00	3.00	4.00	4.00	5.00	2.888	4.020	1.043	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	1.10	2.813	0.686	2.00	2.00	3.00	3.00	4.00	2.888	2.914	0.699	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	1.20	31.496	17.332	14.00	19.00	27.00	39.00	54.00	2.888	34.589	19.128	15.00	21.00	30.00	43.00	59.00
0.05	2.693	0.1815312	0.0092496	1.20	1.20	14.903	5.459	9.00	11.00	14.00	18.00	22.00	2.888	15.712	5.626	9.00	12.00	15.00	19.00	23.00
0.05	2.693	0.1815312	0.0092496	1.30	1.20	9.785	2.705	7.00	8.00	9.00	11.00	13.00	2.888	10.267	2.782	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	1.20	7.519	1.703	6.00	6.00	7.00	9.00	10.00	2.888	7.876	1.760	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	1.20	25.488	14.297	11.00	15.00	22.00	32.00	44.00	2.888	27.517	15.209	12.00	17.00	24.00	34.00	47.00
0.05	2.693	0.1815312	0.0092496	0.80	1.20	10.121	3.830	6.00	7.00	9.00	12.00	15.00	2.888	10.567	4.005	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	1.20	5.769	1.743	4.00	5.00	6.00	7.00	8.00	2.888	6.062	1.814	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	1.20	3.874	1.021	3.00	3.00	4.00	4.00	5.00	2.888	4.005	1.026	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	1.20	2.802	0.685	2.00	2.00	3.00	3.00	4.00	2.888	2.910	0.704	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	1.30	27.609	14.625	13.00	17.00	24.00	35.00	47.00	2.888	29.471	15.776	14.00	18.00	26.00	37.00	50.00
0.05	2.693	0.1815312	0.0092496	1.20	1.30	14.433	5.149	9.00	11.00	14.00	17.00	21.00	2.888	15.307	5.470	9.00	11.00	14.00	18.00	23.00
0.05	2.693	0.1815312	0.0092496	1.30	1.30	9.761	2.644	7.00	8.00	9.00	11.00	13.00	2.888	10.174	2.714	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	1.30	7.528	1.707	6.00	6.00	7.00	9.00	10.00	2.888	7.919	1.780	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	1.30	22.971	12.023	11.00	14.00	20.00	29.00	39.00	2.888	24.860	12.989	11.00	16.00	22.00	31.00	42.00
0.05	2.693	0.1815312	0.0092496	0.80	1.30	9.911	3.652	6.00	7.00	9.00	12.00	15.00	2.888	10.519	3.882	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	1.30	5.774	1.740	4.00	5.00	6.00	7.00	8.00	2.888	6.031	1.792	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	1.30	3.885	1.016	3.00	3.00	4.00	4.00	5.00	2.888	4.013	1.040	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	1.30	2.803	0.687	2.00	2.00	3.00	3.00	4.00	2.888	2.913	0.693	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	1.40	23.265	12.003	11.00	15.00	21.00	29.00	39.00	2.888	25.114	12.784	12.00	16.00	22.00	31.00	42.00
0.05	2.693	0.1815312	0.0092496	1.20	1.40	13.821	4.801	9.00	10.00	13.00	16.00	20.00	2.888	14.791	5.172	9.00	11.00	14.00	18.00	22.00
0.05	2.693	0.1815312	0.0092496	1.30	1.40	9.656	2.622	7.00	8.00	9.00	11.00	13.00	2.888	10.168	2.774	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	1.40	7.479	1.694	6.00	6.00	7.00	8.00	10.00	2.888	7.870	1.761	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	1.40	20.198	10.061	10.00	13.00	18.00	25.00	33.00	2.888	21.987	10.982	10.00	14.00	20.00	27.00	37.00
0.05	2.693	0.1815312	0.0092496	0.80	1.40	9.856	3.624	6.00	7.00	9.00	12.00	15.00	2.888	10.395	3.732	6.00	8.00	10.00	12.00	15.00
0.05	2.693	0.1815312	0.0092496	0.70	1.40	5.777	1.737	4.00	5.00	6.00	7.00	8.00	2.888	5.993	1.800	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	1.40	3.868	1.016	3.00	3.00	4.00	4.00	5.00	2.888	4.021	1.041	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	1.40	2.816	0.692	2.00	2.00	3.00	3.00	4.00	2.888	2.913	0.700	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	0.90	36.976	21.782	16.00	22.00	31.00	46.00	65.00	2.888	40.173	23.396	17.00	24.00	34.00	51.00	70.10
0.05	2.693	0.1815312	0.0092496	1.20	0.90	14.952	5.429	9.00	11.00	14.00	18.00	22.00	2.888	15.945	5.825	10.00	12.00	15.00	19.00	24.00
0.05	2.693	0.1815312	0.0092496	1.30	0.90	9.808	2.713	7.00	8.00	9.00	11.00	13.00	2.888	10.333	2.849	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	0.90	7.513	1.712	6.00	6.00	7.00	8.00	10.00	2.888	7.882	1.796	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	0.90	27.551	15.633	12.00	16.00	24.00	35.00	48.00	2.888	30.041	17.263	13.00	18.00	26.00	38.00	53.00
0.05	2.693	0.1815312	0.0092496	0.80	0.90	10.163	3.878	6.00	7.00	9.00	12.00	15.00	2.888	10.676	4.042	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	0.90	5.75														

0.05	2.693	0.1815312	0.0092496	1.10	0.80	34.277	18.484	16.00	21.00	30.00	43.00	59.00	2.888	37.773	20.690	17.00	23.00	33.00	47.00	64.10
0.05	2.693	0.1815312	0.0092496	1.20	0.80	14.970	5.361	9.00	11.00	14.00	18.00	22.00	2.888	15.861	5.653	10.00	12.00	15.00	19.00	23.00
0.05	2.693	0.1815312	0.0092496	1.30	0.80	9.800	2.683	7.00	8.00	9.00	11.00	13.00	2.888	10.356	2.894	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	0.80	7.534	1.712	6.00	6.00	7.00	9.00	10.00	2.888	7.884	1.752	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	0.80	26.798	14.389	12.00	16.00	24.00	34.00	46.00	2.888	29.129	15.691	13.00	18.00	26.00	37.00	50.00
0.05	2.693	0.1815312	0.0092496	0.80	0.80	10.139	3.844	6.00	7.00	9.00	12.00	15.00	2.888	10.707	4.020	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	0.80	5.811	1.769	4.00	5.00	6.00	7.00	8.00	2.888	6.021	1.786	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	0.80	3.860	1.019	3.00	3.00	4.00	4.00	5.00	2.888	4.013	1.046	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	0.80	2.818	0.681	2.00	2.00	3.00	3.00	4.00	2.888	2.916	0.701	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	0.70	28.941	13.570	15.00	19.00	26.00	35.00	47.00	2.888	31.560	14.743	16.00	21.00	28.00	39.00	51.00
0.05	2.693	0.1815312	0.0092496	1.20	0.70	14.827	5.139	9.00	11.00	14.00	18.00	22.00	2.888	15.695	5.563	10.00	12.00	15.00	19.00	23.00
0.05	2.693	0.1815312	0.0092496	1.30	0.70	9.800	2.735	7.00	8.00	9.00	11.00	13.00	2.888	10.300	2.773	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	0.70	7.568	1.731	6.00	6.00	7.00	9.00	10.00	2.888	7.886	1.778	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	0.70	24.234	11.588	12.00	16.00	22.00	30.00	40.00	2.888	26.130	12.563	13.00	17.00	24.00	32.00	43.00
0.05	2.693	0.1815312	0.0092496	0.80	0.70	10.109	3.830	6.00	7.00	9.00	12.00	15.00	2.888	10.667	4.017	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	0.70	5.777	1.755	4.00	5.00	6.00	7.00	8.00	2.888	6.045	1.825	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	0.70	3.882	1.019	3.00	3.00	4.00	4.00	5.00	2.888	4.029	1.040	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	0.70	2.804	0.682	2.00	2.00	3.00	3.00	4.00	2.888	2.902	0.682	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	0.60	22.739	8.247	14.00	17.00	21.00	27.00	34.00	2.888	24.661	9.147	15.00	18.00	23.00	29.00	37.00
0.05	2.693	0.1815312	0.0092496	1.20	0.60	14.336	4.634	9.00	11.00	14.00	17.00	20.00	2.888	15.352	4.955	10.00	12.00	15.00	18.00	22.00
0.05	2.693	0.1815312	0.0092496	1.30	0.60	9.768	2.657	7.00	8.00	9.00	11.00	13.00	2.888	10.241	2.788	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	0.60	7.546	1.734	6.00	6.00	7.00	9.00	10.00	2.888	7.911	1.787	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	0.60	20.386	7.832	12.00	15.00	19.00	25.00	31.00	2.888	21.893	8.530	12.00	16.00	21.00	27.00	33.00
0.05	2.693	0.1815312	0.0092496	0.80	0.60	10.086	3.740	6.00	7.00	9.00	12.00	15.00	2.888	10.590	3.860	6.00	8.00	10.00	13.00	16.00
0.05	2.693	0.1815312	0.0092496	0.70	0.60	5.809	1.762	4.00	5.00	6.00	7.00	8.00	2.888	6.049	1.809	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	0.60	3.878	1.021	3.00	3.00	4.00	4.00	5.00	2.888	4.042	1.047	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	0.60	2.808	0.686	2.00	2.00	3.00	3.00	4.00	2.888	2.903	0.699	2.00	2.00	3.00	3.00	4.00
0.05	2.693	0.1815312	0.0092496	1.10	0.50	17.407	4.841	12.00	14.00	17.00	20.00	24.00	2.888	18.543	5.088	13.00	15.00	18.00	21.00	25.00
0.05	2.693	0.1815312	0.0092496	1.20	0.50	13.531	3.711	9.00	11.00	13.00	16.00	18.00	2.888	14.337	3.950	10.00	12.00	14.00	17.00	19.00
0.05	2.693	0.1815312	0.0092496	1.30	0.50	9.696	2.554	7.00	8.00	9.00	11.00	13.00	2.888	10.223	2.651	7.00	8.00	10.00	12.00	14.00
0.05	2.693	0.1815312	0.0092496	1.40	0.50	7.547	1.704	6.00	6.00	7.00	9.00	10.00	2.888	7.926	1.782	6.00	7.00	8.00	9.00	10.00
0.05	2.693	0.1815312	0.0092496	0.90	0.50	16.437	4.773	11.00	13.00	16.00	19.00	23.00	2.888	17.579	5.163	12.00	14.00	17.00	20.00	24.00
0.05	2.693	0.1815312	0.0092496	0.80	0.50	9.938	3.418	6.00	7.00	10.00	12.00	15.00	2.888	10.360	3.529	6.00	8.00	10.00	13.00	15.00
0.05	2.693	0.1815312	0.0092496	0.70	0.50	5.791	1.765	4.00	5.00	6.00	7.00	8.00	2.888	6.035	1.787	4.00	5.00	6.00	7.00	8.00
0.05	2.693	0.1815312	0.0092496	0.60	0.50	3.882	1.028	3.00	3.00	4.00	4.00	5.00	2.888	4.030	1.036	3.00	3.00	4.00	5.00	5.00
0.05	2.693	0.1815312	0.0092496	0.50	0.50	2.813	0.681	2.00	2.00	3.00	3.00	4.00	2.888	2.903	0.700	2.00	2.00	3.00	3.00	4.00
0.10	2.990	0.2591099	0.0188559	1.00	1.00	370.920	367.800	44.00	110.00	258.00	506.00	849.00	3.164	500.945	495.139	60.00	146.00	350.00	696.00	1154.10
0.10	2.990	0.2591099	0.0188559	1.10	1.10	40.961	30.373	13.00	20.00	32.00	53.00	80.00	3.164	46.192	34.877	14.00	22.00	36.00	61.00	91.00
0.10	2.990	0.2591099	0.0188559	1.20	1.10	14.200	6.698	7.00	9.00	13.00	17.00	23.00	3.164	15.225	7.422	8.00	10.00	14.00	19.00	25.00
0.10	2.990	0.2591099	0.0188559	1.30	1.10	8.627	2.983	5.00	6.00	8.00	10.00	12.00	3.164	9.045	3.175	6.00	7.00	8.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	1.10	6.410	1.786	4.00	5.00	6.00	7.00	9.00	3.164	6.676	1.860	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	1.10	27.657	19.598	9.00	14.00	22.00	36.00	54.00	3.164	30.406	21.720	10.00	15.00	24.00	39.00	59.00
0.10	2.990	0.2591099	0.0188559	0.80	1.10	8.807	4.073	5.00	6.00	8.00	11.00	14.00	3.164	9.291	4.326	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	1.10	4.790	1.715	3.00	4.00	5.00	6.00	7.00	3.164	4.989	1.783	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	1.10	3.162	0.958	2.00	3.00	3.00	4.00	4.00	3.164	3.277	0.989	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	1.10	2.287	0.609	2.00	2.00	2.00	3.00	3.00	3.164	2.365	0.627	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	1.20	34.742	24.945	12.00	17.00	28.00	44.00	67.00	3.164	39.029	28.344	13.00	19.00	31.00	50.00	75.00
0.10	2.990	0.2591099	0.0188559	1.20	1.20	13.715	6.333	7.00	9.00	12.00	17.00	22.00	3.164	14.772	7.044	8.00	10.00	13.00	18.00	24.00
0.10	2.990	0.2591099	0.0188559	1.30	1.20	8.558	2.953	5.00	6.00	8.00	10.00	12.00	3.164	8.953	3.110	6.00	7.00	8.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	1.20	6.378	1.786	4.00	5.00	6.00	7.00	9.00	3.164	6.692	1.887	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	1.20	24.892	16.724	9.00	13.00	20.00	32.00	47.00	3.164	27.598	19.006	10.00	14.00	23.00	35.00	53.00
0.10	2.990	0.2591099	0.0188559	0.80	1.20	8.752	3.935	5.00	6.00	8.00	11.00	14.00	3.164	9.175	4.191	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	1.20	4.754	1.666	3.00	4.00	5.00	6.00	7.00	3.164	4.964	1.750	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	1.20	3.165	0.963	2.00	3.00	3.00	4.00	4.00	3.164	3.271	0.982	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	1.20	2.308	0.605	2.00	2.00	2.00	3.00	3.00	3.164	2.361	0.625	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	1.30	27.995	19.388	10.00	15.00	23.00	36.00	52.00	3.164	31.254	21.685	11.00	16.00	25.00	40.00	59.00
0.10	2.990	0.2591099	0.0188559	1.20	1.30	13.332	6.138	7.00	9.00	12.00	16.00	21.00	3.164	14.115	6.511	7.00	10.00	13.00	17.00	23.00
0.10	2.990	0.2591099																		

0.10	2.990	0.2591099	0.0188559	0.60	1.30	3.176	0.958	2.00	3.00	3.00	4.00	4.00	3.164	3.253	0.972	2.00	3.00	3.00	4.00	4.00
0.10	2.990	0.2591099	0.0188559	0.50	1.30	2.288	0.606	2.00	2.00	2.00	3.00	3.00	3.164	2.373	0.631	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	1.40	23.126	14.938	9.00	13.00	19.00	30.00	42.00	3.164	25.193	16.693	9.00	14.00	21.00	32.00	47.00
0.10	2.990	0.2591099	0.0188559	1.20	1.40	12.592	5.690	7.00	9.00	11.00	15.00	20.00	3.164	13.406	5.959	7.00	9.00	12.00	16.00	21.00
0.10	2.990	0.2591099	0.0188559	1.30	1.40	8.359	2.848	5.00	6.00	8.00	10.00	12.00	3.164	8.743	2.928	6.00	7.00	8.00	10.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	1.40	6.340	1.743	4.00	5.00	6.00	7.00	9.00	3.164	6.605	1.813	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	1.40	19.020	11.815	7.00	11.00	16.00	24.00	35.00	3.164	20.678	13.003	8.00	11.00	17.00	26.00	38.00
0.10	2.990	0.2591099	0.0188559	0.80	1.40	8.482	3.798	4.00	6.00	8.00	10.00	13.00	3.164	8.925	4.007	5.00	6.00	8.00	11.00	14.00
0.10	2.990	0.2591099	0.0188559	0.70	1.40	4.777	1.682	3.00	4.00	5.00	6.00	7.00	3.164	4.975	1.760	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	1.40	3.173	0.968	2.00	3.00	3.00	4.00	4.00	3.164	3.274	0.980	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	1.40	2.299	0.610	2.00	2.00	2.00	3.00	3.00	3.164	2.368	0.630	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	0.90	43.528	32.038	14.00	21.00	34.50	57.00	85.00	3.164	50.179	38.975	15.00	23.00	39.00	65.00	101.00
0.10	2.990	0.2591099	0.0188559	1.20	0.90	14.303	6.815	7.00	9.00	13.00	17.00	23.00	3.164	15.371	7.292	8.00	10.00	14.00	19.00	25.00
0.10	2.990	0.2591099	0.0188559	1.30	0.90	8.637	3.017	5.00	6.00	8.00	10.00	13.00	3.164	9.082	3.136	6.00	7.00	9.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	0.90	6.408	1.770	4.00	5.00	6.00	7.00	9.00	3.164	6.688	1.859	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	0.90	28.740	20.419	10.00	14.00	23.00	37.00	56.00	3.164	31.398	22.724	10.00	16.00	25.00	41.00	61.00
0.10	2.990	0.2591099	0.0188559	0.80	0.90	8.859	4.163	5.00	6.00	8.00	11.00	14.00	3.164	9.316	4.377	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	0.90	4.799	1.749	3.00	4.00	5.00	6.00	7.00	3.164	5.023	1.795	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	0.90	3.179	0.956	2.00	3.00	3.00	4.00	4.00	3.164	3.264	0.976	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	0.90	2.305	0.609	2.00	2.00	2.00	3.00	3.00	3.164	2.364	0.623	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	0.80	41.318	30.340	13.00	20.00	33.00	53.00	80.00	3.164	47.250	35.624	15.00	22.00	37.00	61.00	93.10
0.10	2.990	0.2591099	0.0188559	1.20	0.80	14.296	6.751	7.00	10.00	13.00	17.00	23.00	3.164	15.255	7.300	8.00	10.00	14.00	18.00	25.00
0.10	2.990	0.2591099	0.0188559	1.30	0.80	8.633	3.016	5.00	7.00	8.00	10.00	13.00	3.164	9.059	3.119	6.00	7.00	9.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	0.80	6.383	1.810	4.00	5.00	6.00	7.00	9.00	3.164	6.657	1.824	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	0.80	27.945	19.531	9.00	14.00	23.00	36.00	53.00	3.164	30.500	21.456	10.00	15.00	25.00	40.00	58.00
0.10	2.990	0.2591099	0.0188559	0.80	0.80	8.815	4.091	5.00	6.00	8.00	11.00	14.00	3.164	9.346	4.273	5.00	6.00	8.00	12.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	0.80	4.783	1.706	3.00	4.00	5.00	6.00	7.00	3.164	4.978	1.757	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	0.80	3.168	0.952	2.00	3.00	3.00	4.00	4.00	3.164	3.258	0.976	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	0.80	2.284	0.601	2.00	2.00	2.00	3.00	3.00	3.164	2.369	0.631	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	0.70	34.044	22.265	13.00	18.00	28.00	43.00	63.00	3.164	39.639	27.038	14.00	21.00	32.00	51.00	75.00
0.10	2.990	0.2591099	0.0188559	1.20	0.70	14.205	6.485	7.00	10.00	13.00	17.00	23.00	3.164	15.030	6.933	8.00	10.00	14.00	18.00	24.00
0.10	2.990	0.2591099	0.0188559	1.30	0.70	8.651	2.996	5.00	7.00	8.00	10.00	13.00	3.164	9.088	3.172	6.00	7.00	9.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	0.70	6.399	1.768	4.00	5.00	6.00	7.00	9.00	3.164	6.694	1.871	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	0.70	25.298	16.463	9.00	14.00	21.00	32.00	47.00	3.164	27.812	18.173	10.00	15.00	23.00	35.00	51.00
0.10	2.990	0.2591099	0.0188559	0.80	0.70	8.837	4.079	5.00	6.00	8.00	11.00	14.00	3.164	9.213	4.193	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	0.70	4.819	1.725	3.00	4.00	5.00	6.00	7.00	3.164	4.994	1.756	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	0.70	3.177	0.964	2.00	3.00	3.00	4.00	4.00	3.164	3.255	0.986	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	0.70	2.300	0.612	2.00	2.00	2.00	3.00	3.00	3.164	2.366	0.630	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	0.60	25.543	13.836	12.00	16.00	22.00	32.00	44.00	3.164	28.590	15.981	13.00	17.00	25.00	35.00	49.00
0.10	2.990	0.2591099	0.0188559	1.20	0.60	13.626	5.780	7.00	9.00	12.00	17.00	21.00	3.164	14.517	6.216	8.00	10.00	13.00	18.00	23.00
0.10	2.990	0.2591099	0.0188559	1.30	0.60	8.561	2.943	5.00	6.00	8.00	10.00	12.00	3.164	9.014	3.086	6.00	7.00	8.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	0.60	6.396	1.785	4.00	5.00	6.00	7.00	9.00	3.164	6.679	1.868	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	0.60	20.956	11.442	9.00	13.00	18.00	26.00	36.00	3.164	23.231	13.132	10.00	14.00	20.00	29.00	40.00
0.10	2.990	0.2591099	0.0188559	0.80	0.60	8.747	3.948	4.00	6.00	8.00	11.00	14.00	3.164	9.197	4.132	5.00	6.00	8.00	11.00	15.00
0.10	2.990	0.2591099	0.0188559	0.70	0.60	4.807	1.733	3.00	4.00	5.00	6.00	7.00	3.164	4.966	1.733	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	0.60	3.172	0.961	2.00	3.00	3.00	4.00	4.00	3.164	3.263	0.996	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	0.60	2.296	0.600	2.00	2.00	2.00	3.00	3.00	3.164	2.359	0.623	2.00	2.00	2.00	3.00	3.00
0.10	2.990	0.2591099	0.0188559	1.10	0.50	18.188	7.494	10.00	13.00	17.00	22.00	28.00	3.164	19.745	8.056	11.00	14.00	18.00	24.00	30.00
0.10	2.990	0.2591099	0.0188559	1.20	0.50	12.561	4.620	7.00	9.00	12.00	15.00	19.00	3.164	13.423	5.040	8.00	10.00	13.00	16.00	20.00
0.10	2.990	0.2591099	0.0188559	1.30	0.50	8.478	2.776	5.00	6.00	8.00	10.00	12.00	3.164	8.962	2.939	6.00	7.00	8.00	11.00	13.00
0.10	2.990	0.2591099	0.0188559	1.40	0.50	6.391	1.778	4.00	5.00	6.00	7.00	9.00	3.164	6.672	1.858	5.00	5.00	6.00	8.00	9.00
0.10	2.990	0.2591099	0.0188559	0.90	0.50	16.305	6.914	9.00	12.00	15.00	20.00	25.00	3.164	17.554	7.528	10.00	12.00	16.00	21.00	27.00
0.10	2.990	0.2591099	0.0188559	0.80	0.50	8.583	3.601	5.00	6.00	8.00	11.00	13.00	3.164	9.095	3.867	5.00	6.00	8.00	11.00	14.00
0.10	2.990	0.2591099	0.0188559	0.70	0.50	4.782	1.689	3.00	4.00	5.00	6.00	7.00	3.164	5.006	1.797	3.00	4.00	5.00	6.00	7.00
0.10	2.990	0.2591099	0.0188559	0.60	0.50	3.161	0.955	2.00	3.00	3.00	4.00	4.00	3.164	3.286	0.984	2.00	3.00	3.00	4.00	5.00
0.10	2.990	0.2591099	0.0188559	0.50	0.50	2.303	0.613	2.00	2.00	2.00	3.00	3.00	3.164	2.359	0.613	2.00	2.00	2.00	3.00	3.00
0.15	3.108	0.3218169	0.0287890	1.00	1.00	370.290	361.407	44.00	111.00	261.00	518.00	842.00	3.276	499.754	488.871	59.00	152.00	352.00	693.25	1133.00
0.15	3.108	0.3218169	0.0287890	1.10	1.10	48.858	40.410													

0.15	3.108	0.3218169	0.0287890	0.80	1.10	8.311	4.412	4.00	5.00	7.00	10.00	14.00	3.276	8.669	4.617	4.00	5.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	1.10	4.344	1.736	2.00	3.00	4.00	5.00	7.00	3.276	4.525	1.804	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	1.10	2.815	0.936	2.00	2.00	3.00	3.00	4.00	3.276	2.907	0.960	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	1.10	2.054	0.614	1.00	2.00	2.00	2.00	3.00	3.276	2.087	0.612	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	1.20	39.158	31.594	10.00	17.00	30.00	51.00	81.00	3.276	45.457	37.797	11.90	19.00	34.00	59.00	94.00
0.15	3.108	0.3218169	0.0287890	1.20	1.20	14.176	7.982	6.00	9.00	12.00	18.00	25.00	3.276	15.425	8.761	7.00	9.00	13.00	19.00	27.00
0.15	3.108	0.3218169	0.0287890	1.30	1.20	8.179	3.312	5.00	6.00	7.00	10.00	12.00	3.276	8.709	3.629	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	1.20	5.931	1.940	4.00	5.00	6.00	7.00	9.00	3.276	6.185	2.029	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	1.20	25.766	19.521	8.00	12.00	20.00	34.00	51.00	3.276	28.999	22.565	8.00	13.00	23.00	38.00	59.00
0.15	3.108	0.3218169	0.0287890	0.80	1.20	8.252	4.359	4.00	5.00	7.00	10.00	14.00	3.276	8.559	4.413	4.00	5.00	8.00	11.00	14.00
0.15	3.108	0.3218169	0.0287890	0.70	1.20	4.330	1.742	2.00	3.00	4.00	5.00	7.00	3.276	4.490	1.792	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	1.20	2.819	0.938	2.00	2.00	3.00	3.00	4.00	3.276	2.903	0.968	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	1.20	2.047	0.608	1.00	2.00	2.00	2.00	3.00	3.276	2.098	0.610	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	1.30	30.164	23.309	9.00	14.00	23.00	40.00	60.00	3.276	35.006	28.318	9.00	15.00	26.00	46.00	72.00
0.15	3.108	0.3218169	0.0287890	1.20	1.30	13.360	7.218	6.00	8.00	12.00	17.00	23.00	3.276	14.559	8.190	7.00	9.00	13.00	18.00	25.00
0.15	3.108	0.3218169	0.0287890	1.30	1.30	8.138	3.317	5.00	6.00	7.00	10.00	12.00	3.276	8.562	3.446	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	1.30	5.871	1.880	4.00	5.00	6.00	7.00	8.00	3.276	6.158	1.982	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	1.30	22.168	16.447	7.00	11.00	18.00	28.00	43.00	3.276	24.373	17.937	8.00	12.00	19.00	32.00	48.00
0.15	3.108	0.3218169	0.0287890	0.80	1.30	8.098	4.157	4.00	5.00	7.00	10.00	14.00	3.276	8.529	4.369	4.00	5.00	8.00	11.00	14.00
0.15	3.108	0.3218169	0.0287890	0.70	1.30	4.327	1.732	2.00	3.00	4.00	5.00	7.00	3.276	4.488	1.783	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	1.30	2.810	0.934	2.00	2.00	3.00	3.00	4.00	3.276	2.894	0.957	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	1.30	2.042	0.612	1.00	2.00	2.00	2.00	3.00	3.276	2.099	0.603	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	1.40	24.025	17.726	8.00	12.00	19.00	31.00	47.00	3.276	26.531	19.793	8.00	13.00	21.00	35.00	52.00
0.15	3.108	0.3218169	0.0287890	1.20	1.40	12.654	6.881	6.00	8.00	11.00	16.00	22.00	3.276	13.689	7.478	6.00	8.00	12.00	17.00	23.00
0.15	3.108	0.3218169	0.0287890	1.30	1.40	7.906	3.197	5.00	6.00	7.00	9.00	12.00	3.276	8.337	3.386	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	1.40	5.820	1.855	4.00	4.00	6.00	7.00	8.00	3.276	6.109	1.984	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	1.40	18.574	13.056	6.00	9.00	15.00	24.00	36.00	3.276	20.504	14.825	7.00	10.00	16.00	26.00	40.00
0.15	3.108	0.3218169	0.0287890	0.80	1.40	7.848	3.932	4.00	5.00	7.00	10.00	13.00	3.276	8.324	4.209	4.00	5.00	7.00	10.00	14.00
0.15	3.108	0.3218169	0.0287890	0.70	1.40	4.299	1.694	2.00	3.00	4.00	5.00	6.00	3.276	4.499	1.759	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	1.40	2.814	0.941	2.00	2.00	3.00	3.00	4.00	3.276	2.902	0.963	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	1.40	2.039	0.604	1.00	2.00	2.00	2.00	3.00	3.276	2.089	0.604	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	0.90	57.218	47.805	14.00	24.00	43.00	76.00	119.10	3.276	66.622	56.864	15.00	26.00	49.00	89.00	144.00
0.15	3.108	0.3218169	0.0287890	1.20	0.90	14.928	8.575	7.00	9.00	13.00	18.00	26.00	3.276	16.277	9.529	7.00	10.00	14.00	20.00	29.00
0.15	3.108	0.3218169	0.0287890	1.30	0.90	8.269	3.387	5.00	6.00	8.00	10.00	13.00	3.276	8.760	3.723	5.00	6.00	8.00	10.00	14.00
0.15	3.108	0.3218169	0.0287890	1.40	0.90	5.936	1.941	4.00	5.00	6.00	7.00	8.00	3.276	6.216	2.006	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	0.90	30.691	24.562	8.00	13.00	24.00	40.00	63.00	3.276	34.020	27.067	9.00	15.00	26.00	45.00	70.00
0.15	3.108	0.3218169	0.0287890	0.80	0.90	8.388	4.556	4.00	5.00	7.00	11.00	14.00	3.276	8.757	4.719	4.00	5.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	0.90	4.313	1.704	2.00	3.00	4.00	5.00	7.00	3.276	4.496	1.786	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	0.90	2.813	0.935	2.00	2.00	3.00	3.00	4.00	3.276	2.890	0.947	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	0.90	2.038	0.605	1.00	2.00	2.00	2.00	3.00	3.276	2.101	0.610	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	0.80	53.065	44.336	13.00	22.00	40.00	70.00	111.00	3.276	64.904	55.726	15.00	25.00	48.00	86.00	137.00
0.15	3.108	0.3218169	0.0287890	1.20	0.80	14.838	8.472	7.00	9.00	13.00	18.00	26.00	3.276	16.200	9.411	7.00	10.00	14.00	20.00	28.00
0.15	3.108	0.3218169	0.0287890	1.30	0.80	8.317	3.418	5.00	6.00	8.00	10.00	13.00	3.276	8.791	3.674	5.00	6.00	8.00	11.00	14.00
0.15	3.108	0.3218169	0.0287890	1.40	0.80	5.921	1.912	4.00	5.00	6.00	7.00	8.00	3.276	6.248	2.038	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	0.80	30.178	23.817	8.00	14.00	24.00	39.00	61.00	3.276	33.322	26.508	9.00	15.00	26.00	44.00	68.00
0.15	3.108	0.3218169	0.0287890	0.80	0.80	8.311	4.402	4.00	5.00	7.00	10.00	14.00	3.276	8.726	4.640	4.00	5.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	0.80	4.336	1.709	2.00	3.00	4.00	5.00	7.00	3.276	4.492	1.782	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	0.80	2.816	0.938	2.00	2.00	3.00	3.00	4.00	3.276	2.906	0.965	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	0.80	2.044	0.613	1.00	2.00	2.00	2.00	3.00	3.276	2.095	0.617	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	0.70	46.113	36.828	13.00	20.00	35.00	61.00	94.00	3.276	56.882	47.119	14.00	24.00	43.00	75.00	117.00
0.15	3.108	0.3218169	0.0287890	1.20	0.70	14.955	8.487	7.00	9.00	13.00	19.00	26.00	3.276	16.202	9.435	7.00	10.00	14.00	20.00	28.00
0.15	3.108	0.3218169	0.0287890	1.30	0.70	8.325	3.411	5.00	6.00	8.00	10.00	13.00	3.276	8.723	3.660	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	0.70	5.927	1.969	4.00	5.00	6.00	7.00	8.00	3.276	6.198	2.009	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	0.70	28.273	21.300	8.00	13.00	22.00	37.00	56.00	3.276	32.553	25.559	9.00	15.00	25.00	43.00	66.00
0.15	3.108	0.3218169	0.0287890	0.80	0.70	8.355	4.409	4.00	5.00	7.00	10.00	14.00	3.276	8.778	4.684	4.00	5.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	0.70	4.363	1.734	2.00	3.00	4.00	5.00	7.00	3.276	4.504	1.799	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	0.70	2.809	0.927	2.00	2.00	3.00	3.00	4.00	3.276	2.889	0.960	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890																	

0.15	3.108	0.3218169	0.0287890	0.90	0.60	24.223	16.665	8.00	13.00	20.00	31.00	45.00	3.276	27.524	19.542	9.00	14.00	22.00	36.00	53.00
0.15	3.108	0.3218169	0.0287890	0.80	0.60	8.301	4.262	4.00	5.00	7.00	10.00	14.00	3.276	8.746	4.506	4.00	6.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	0.60	4.355	1.733	2.00	3.00	4.00	5.00	7.00	3.276	4.476	1.783	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	0.60	2.801	0.929	2.00	2.00	3.00	3.00	4.00	3.276	2.905	0.948	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	0.60	2.035	0.610	1.00	2.00	2.00	3.00	3.00	3.276	2.101	0.599	1.00	2.00	2.00	2.00	3.00
0.15	3.108	0.3218169	0.0287890	1.10	0.50	22.404	12.556	10.00	14.00	19.00	28.00	39.00	3.276	25.942	15.249	11.00	15.00	22.00	32.00	46.00
0.15	3.108	0.3218169	0.0287890	1.20	0.50	13.191	6.271	7.00	9.00	12.00	16.00	21.00	3.276	14.416	7.182	7.00	9.00	13.00	18.00	24.00
0.15	3.108	0.3218169	0.0287890	1.30	0.50	8.199	3.240	5.00	6.00	8.00	10.00	12.00	3.276	8.703	3.499	5.00	6.00	8.00	10.00	13.00
0.15	3.108	0.3218169	0.0287890	1.40	0.50	5.915	1.933	4.00	5.00	6.00	7.00	8.00	3.276	6.248	2.052	4.00	5.00	6.00	7.00	9.00
0.15	3.108	0.3218169	0.0287890	0.90	0.50	18.535	10.526	8.00	11.00	16.00	23.00	32.00	3.276	20.850	12.268	9.00	12.00	18.00	26.00	36.00
0.15	3.108	0.3218169	0.0287890	0.80	0.50	8.103	4.037	4.00	5.00	7.00	10.00	13.00	3.276	8.693	4.385	4.00	6.00	8.00	11.00	15.00
0.15	3.108	0.3218169	0.0287890	0.70	0.50	4.306	1.700	2.00	3.00	4.00	5.00	7.00	3.276	4.510	1.804	3.00	3.00	4.00	5.00	7.00
0.15	3.108	0.3218169	0.0287890	0.60	0.50	2.819	0.940	2.00	2.00	3.00	3.00	4.00	3.276	2.903	0.952	2.00	2.00	3.00	3.00	4.00
0.15	3.108	0.3218169	0.0287890	0.50	0.50	2.031	0.597	1.00	2.00	2.00	2.00	3.00	3.276	2.086	0.609	1.00	2.00	2.00	2.00	3.00

$ARL_0 = 370$

$ARL_0 = 500$

Case 3 $\phi=80$																						
0.05	2.707	0.1806445	0.0092291	1.00	1.00	370.250	354.125	53.00	116.00	260.00	514.00	841.00	2.887	500.238	490.462	66.00	153.00	346.00	687.00	1133.00		
0.05	2.707	0.1806445	0.0092291	1.10	1.10	55.301	37.990	19.00	29.00	45.00	71.00	104.00	2.887	60.964	42.184	21.00	31.00	49.00	78.00	117.00		
0.05	2.707	0.1806445	0.0092291	1.20	1.10	22.796	10.267	12.00	15.00	21.00	28.00	36.00	2.887	24.047	10.716	13.00	16.00	22.00	29.00	38.00		
0.05	2.707	0.1806445	0.0092291	1.30	1.10	14.377	4.859	9.00	11.00	14.00	17.00	21.00	2.887	15.083	5.019	10.00	11.00	14.00	18.00	22.00		
0.05	2.707	0.1806445	0.0092291	1.40	1.10	10.730	2.970	7.00	9.00	10.00	12.00	15.00	2.887	11.326	3.164	8.00	9.00	11.00	13.00	15.00		
0.05	2.707	0.1806445	0.0092291	0.90	1.10	40.469	26.748	15.00	22.00	34.00	52.00	75.00	2.887	43.727	29.321	16.00	23.00	36.00	56.00	82.00		
0.05	2.707	0.1806445	0.0092291	0.80	1.10	14.585	6.631	8.00	10.00	13.00	18.00	23.00	2.887	15.424	6.905	8.00	11.00	14.00	19.00	24.00		
0.05	2.707	0.1806445	0.0092291	0.70	1.10	8.087	2.934	5.00	6.00	8.00	10.00	12.00	2.887	8.375	3.004	5.00	6.00	8.00	10.00	12.00		
0.05	2.707	0.1806445	0.0092291	0.60	1.10	5.279	1.630	3.00	4.00	5.00	6.00	7.00	2.887	5.487	1.682	4.00	4.00	5.00	6.00	8.00		
0.05	2.707	0.1806445	0.0092291	0.50	1.10	3.745	1.044	3.00	3.00	4.00	4.00	5.00	2.887	3.880	1.051	3.00	3.00	4.00	4.00	5.00		
0.05	2.707	0.1806445	0.0092291	1.10	1.20	44.081	28.206	17.00	24.00	37.00	57.00	81.00	2.887	49.143	32.243	18.00	26.00	41.00	63.00	91.00		
0.05	2.707	0.1806445	0.0092291	1.20	1.20	21.684	9.641	12.00	15.00	20.00	26.00	34.00	2.887	23.332	10.261	13.00	16.00	21.00	28.00	37.00		
0.05	2.707	0.1806445	0.0092291	1.30	1.20	14.172	4.756	9.00	11.00	13.00	17.00	20.00	2.887	15.025	5.036	10.00	11.00	14.00	18.00	22.00		
0.05	2.707	0.1806445	0.0092291	1.40	1.20	10.730	2.957	7.00	9.00	10.00	12.00	15.00	2.887	11.295	3.046	8.00	9.00	11.00	13.00	15.00		
0.05	2.707	0.1806445	0.0092291	0.90	1.20	34.905	21.825	13.00	19.00	29.00	44.00	63.00	2.887	37.947	23.654	14.00	21.00	32.00	49.00	70.00		
0.05	2.707	0.1806445	0.0092291	0.80	1.20	14.386	6.527	7.00	10.00	13.00	18.00	23.00	2.887	15.169	6.813	8.00	10.00	14.00	19.00	24.00		
0.05	2.707	0.1806445	0.0092291	0.70	1.20	8.057	2.939	5.00	6.00	8.00	10.00	12.00	2.887	8.471	3.029	5.00	6.00	8.00	10.00	12.00		
0.05	2.707	0.1806445	0.0092291	0.60	1.20	5.289	1.614	3.00	4.00	5.00	6.00	7.00	2.887	5.466	1.702	4.00	4.00	5.00	6.00	8.00		
0.05	2.707	0.1806445	0.0092291	0.50	1.20	3.746	1.042	3.00	3.00	4.00	4.00	5.00	2.887	3.870	1.064	3.00	3.00	4.00	4.00	5.00		
0.05	2.707	0.1806445	0.0092291	1.10	1.30	34.330	20.297	14.00	20.00	30.00	43.00	61.00	2.887	37.413	22.294	15.00	21.00	32.00	48.00	67.00		
0.05	2.707	0.1806445	0.0092291	1.20	1.30	20.321	8.842	11.00	14.00	19.00	25.00	32.00	2.887	21.851	9.306	12.00	15.00	20.00	27.00	34.00		
0.05	2.707	0.1806445	0.0092291	1.30	1.30	13.885	4.633	9.00	11.00	13.00	16.00	20.00	2.887	14.677	4.788	9.00	11.00	14.00	17.00	21.00		
0.05	2.707	0.1806445	0.0092291	1.40	1.30	10.686	2.940	7.00	9.00	10.00	12.00	15.00	2.887	11.178	3.045	8.00	9.00	11.00	13.00	15.00		
0.05	2.707	0.1806445	0.0092291	0.90	1.30	29.079	17.126	12.00	17.00	25.00	37.00	52.00	2.887	31.324	18.993	13.00	18.00	27.00	39.00	56.00		
0.05	2.707	0.1806445	0.0092291	0.80	1.30	14.138	6.202	7.00	10.00	13.00	17.00	22.00	2.887	14.779	6.366	8.00	10.00	14.00	18.00	23.00		
0.05	2.707	0.1806445	0.0092291	0.70	1.30	8.068	2.894	5.00	6.00	8.00	10.00	12.00	2.887	8.394	2.974	5.00	6.00	8.00	10.00	12.00		
0.05	2.707	0.1806445	0.0092291	0.60	1.30	5.261	1.631	3.00	4.00	5.00	6.00	7.00	2.887	5.471	1.653	4.00	4.00	5.00	6.00	8.00		
0.05	2.707	0.1806445	0.0092291	0.50	1.30	3.748	1.043	3.00	3.00	4.00	4.00	5.00	2.887	3.871	1.072	3.00	3.00	4.00	4.00	5.00		
0.05	2.707	0.1806445	0.0092291	1.10	1.40	27.061	15.387	12.00	16.00	23.00	34.00	47.00	2.887	29.383	17.371	12.00	17.00	25.00	37.00	52.00		
0.05	2.707	0.1806445	0.0092291	1.20	1.40	18.764	8.006	10.00	13.00	17.00	23.00	29.00	2.887	20.046	8.519	11.00	14.00	19.00	24.00	31.00		
0.05	2.707	0.1806445	0.0092291	1.30	1.40	13.566	4.492	9.00	10.00	13.00	16.00	20.00	2.887	14.273	4.681	9.00	11.00	14.00	17.00	20.00		
0.05	2.707	0.1806445	0.0092291	1.40	1.40	10.551	2.870	7.00	8.00	10.00	12.00	14.00	2.887	11.034	2.988	8.00	9.00	11.00	13.00	15.00		
0.05	2.707	0.1806445	0.0092291	0.90	1.40	24.255	13.582	11.00	15.00	21.00	30.00	42.00	2.887	26.035	14.276	12.00	16.00	23.00	33.00	45.00		
0.05	2.707	0.1806445	0.0092291	0.80	1.40	13.587	5.765	7.00	9.00	13.00	17.00	21.00	2.887	14.198	5.968	8.00	10.00	13.00	17.00	22.00		
0.05	2.707	0.1806445	0.0092291	0.70	1.40	8.002	2.804	5.00	6.00	8.00	10.00	12.00	2.887	8.369	2.927	5.00	6.00	8.00	10.00	12.00		
0.05	2.707	0.1806445	0.0092291	0.60	1.40	5.272	1.638	3.00	4.00	5.00	6.00	7.00	2.887	5.468	1.670	4.00	4.00	5.00	6.00	8.00		
0.05	2.707	0.1806445	0.0092291	0.50	1.40	3.750	1.038	3.00	3.00	4.00	4.00	5.00	2.887	3.870	1.069	3.00	3.00	4.00	4.00	5.00		
0.05	2.707	0.1806445	0.0092291	1.10	0.90	59.700	41.280	21.00	31.00	48.00	76.00	113.00	2.887	66.952	46.831	23.00	34.00	54.00	87.00	128.00		
0.05	2.707	0.1806445	0.0092291	1.20	0.90	23.074	10.377	12.00	16.00	21.00	28.00	37.00	2.887	24.516	11.174	13.00	17.00	22.00	30.00	39.00		
0.05	2.707	0.1806445	0.0092291	1.30	0.90	14.433	4.911	9.00	11.00	14.00	17.00	21.00	2.887	15.095	5.094	9.00	11.00	14.00	18.00	22.00		
0.05	2.707	0.1806445	0.0092291	1.40	0.90	10.793	2.944	7.00	9.00	10.00	12.00	15.00	2.887	11.327	3.105	8.00	9.00	11.00	13.00	15.00		
0.05	2.707	0.1806445	0.0092291	0.90	0.90	42.536	28.728	15.00	22.00	35.00	55.00	79.00	2.887	46.406	31.613	16						

0.05	2.707	0.1806445	0.0092291	0.50	0.90	3.738	1.046	3.00	3.00	4.00	4.00	5.00	2.887	3.879	1.086	3.00	3.00	4.00	4.00	5.00
0.05	2.707	0.1806445	0.0092291	1.10	0.80	49.747	30.756	20.00	28.00	42.00	63.00	89.00	2.887	55.429	35.563	22.00	31.00	46.00	70.00	101.00
0.05	2.707	0.1806445	0.0092291	1.20	0.80	22.597	9.873	12.00	16.00	21.00	28.00	35.00	2.887	24.068	10.530	13.00	17.00	22.00	29.00	38.00
0.05	2.707	0.1806445	0.0092291	1.30	0.80	14.332	4.814	9.00	11.00	13.00	17.00	21.00	2.887	15.160	5.040	10.00	12.00	14.00	18.00	22.00
0.05	2.707	0.1806445	0.0092291	1.40	0.80	10.823	2.972	7.00	9.00	10.00	12.00	15.00	2.887	11.337	3.115	8.00	9.00	11.00	13.00	16.00
0.05	2.707	0.1806445	0.0092291	0.90	0.80	37.821	22.855	15.00	21.00	32.00	49.00	68.00	2.887	41.546	25.902	16.00	23.00	35.00	53.00	75.00
0.05	2.707	0.1806445	0.0092291	0.80	0.80	14.696	6.615	8.00	10.00	13.00	18.00	23.00	2.887	15.414	7.125	8.00	10.00	14.00	19.00	25.00
0.05	2.707	0.1806445	0.0092291	0.70	0.80	8.080	2.976	5.00	6.00	8.00	10.00	12.00	2.887	8.382	3.023	5.00	6.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.60	0.80	5.286	1.635	3.00	4.00	5.00	6.00	7.00	2.887	5.504	1.685	4.00	4.00	5.00	6.00	8.00
0.05	2.707	0.1806445	0.0092291	0.50	0.80	3.739	1.047	3.00	3.00	4.00	4.00	5.00	2.887	3.872	1.066	3.00	3.00	4.00	4.00	5.00
0.05	2.707	0.1806445	0.0092291	1.10	0.70	35.689	17.886	18.00	23.00	32.00	44.00	59.00	2.887	39.449	20.194	19.00	25.00	35.00	49.00	66.00
0.05	2.707	0.1806445	0.0092291	1.20	0.70	21.383	8.683	12.00	15.00	20.00	26.00	33.00	2.887	23.003	9.221	13.00	16.00	21.00	28.00	35.00
0.05	2.707	0.1806445	0.0092291	1.30	0.70	14.248	4.653	9.00	11.00	14.00	17.00	20.00	2.887	15.031	4.969	9.00	11.00	14.00	18.00	22.00
0.05	2.707	0.1806445	0.0092291	1.40	0.70	10.744	2.964	7.00	9.00	10.00	12.00	15.00	2.887	11.321	3.088	8.00	9.00	11.00	13.00	15.00
0.05	2.707	0.1806445	0.0092291	0.90	0.70	30.621	15.793	14.00	19.00	27.00	38.00	51.00	2.887	33.103	17.188	15.00	21.00	29.00	41.00	56.00
0.05	2.707	0.1806445	0.0092291	0.80	0.70	14.421	6.324	7.00	10.00	13.00	18.00	23.00	2.887	15.200	6.578	8.00	10.00	14.00	19.00	24.00
0.05	2.707	0.1806445	0.0092291	0.70	0.70	8.064	2.937	5.00	6.00	8.00	10.00	12.00	2.887	8.439	3.008	5.00	6.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.60	0.70	5.274	1.672	3.00	4.00	5.00	6.00	7.00	2.887	5.489	1.682	4.00	4.00	5.00	6.00	8.00
0.05	2.707	0.1806445	0.0092291	0.50	0.70	3.731	1.044	3.00	3.00	4.00	4.00	5.00	2.887	3.891	1.066	3.00	3.00	4.00	4.00	5.00
0.05	2.707	0.1806445	0.0092291	1.10	0.60	24.833	9.445	15.00	18.00	23.00	30.00	37.00	2.887	26.921	10.308	16.00	19.00	25.00	32.00	40.00
0.05	2.707	0.1806445	0.0092291	1.20	0.60	19.187	6.537	12.00	15.00	18.00	23.00	28.00	2.887	20.404	6.954	13.00	15.00	19.00	24.00	29.00
0.05	2.707	0.1806445	0.0092291	1.30	0.60	14.003	4.259	9.00	11.00	13.00	16.00	20.00	2.887	14.765	4.489	10.00	12.00	14.00	17.00	21.00
0.05	2.707	0.1806445	0.0092291	1.40	0.60	10.763	2.899	7.00	9.00	10.00	12.00	15.00	2.887	11.281	3.036	8.00	9.00	11.00	13.00	15.00
0.05	2.707	0.1806445	0.0092291	0.90	0.60	22.963	8.941	13.00	17.00	22.00	28.00	35.00	2.887	24.867	9.678	14.00	18.00	23.00	30.00	38.00
0.05	2.707	0.1806445	0.0092291	0.80	0.60	13.883	5.512	8.00	10.00	13.00	17.00	21.00	2.887	14.786	5.859	8.00	10.00	14.00	18.00	23.00
0.05	2.707	0.1806445	0.0092291	0.70	0.60	8.059	2.919	5.00	6.00	8.00	10.00	12.00	2.887	8.352	2.942	5.00	6.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.60	0.60	5.296	1.654	3.00	4.00	5.00	6.00	7.00	2.887	5.468	1.672	4.00	4.00	5.00	6.00	8.00
0.05	2.707	0.1806445	0.0092291	0.50	0.60	3.743	1.046	3.00	3.00	4.00	4.00	5.00	2.887	3.864	1.061	3.00	3.00	4.00	4.00	5.00
0.05	2.707	0.1806445	0.0092291	1.10	0.50	18.057	5.056	12.00	14.00	17.00	21.00	25.00	2.887	19.229	5.283	13.00	15.00	18.00	22.00	26.00
0.05	2.707	0.1806445	0.0092291	1.20	0.50	16.213	4.307	11.00	13.00	16.00	19.00	22.00	2.887	17.215	4.626	12.00	14.00	17.00	20.00	23.00
0.05	2.707	0.1806445	0.0092291	1.30	0.50	13.214	3.582	9.00	11.00	13.00	15.00	18.00	2.887	13.936	3.727	9.00	11.00	14.00	16.00	19.00
0.05	2.707	0.1806445	0.0092291	1.40	0.50	10.585	2.679	7.00	9.00	10.00	12.00	14.00	2.887	11.138	2.797	8.00	9.00	11.00	13.00	15.00
0.05	2.707	0.1806445	0.0092291	0.90	0.50	17.438	4.998	12.00	14.00	17.00	20.00	24.00	2.887	18.527	5.386	13.00	15.00	18.00	21.00	26.00
0.05	2.707	0.1806445	0.0092291	0.80	0.50	12.969	4.352	8.00	10.00	13.00	16.00	19.00	2.887	13.566	4.568	8.00	10.00	13.00	16.00	20.00
0.05	2.707	0.1806445	0.0092291	0.70	0.50	8.053	2.817	5.00	6.00	8.00	10.00	12.00	2.887	8.386	2.902	5.00	6.00	8.00	10.00	12.00
0.05	2.707	0.1806445	0.0092291	0.60	0.50	5.290	1.626	3.00	4.00	5.00	6.00	7.00	2.887	5.441	1.698	4.00	4.00	5.00	6.00	8.00
0.05	2.707	0.1806445	0.0092291	0.50	0.50	3.752	1.049	3.00	3.00	4.00	4.00	5.00	2.887	3.888	1.068	3.00	3.00	4.00	4.00	5.00
0.10	2.989	0.2591572	0.0188247	1.00	1.00	369.027	357.319	46.00	114.00	259.50	501.25	830.00	3.165	500.856	488.539	61.00	151.00	352.00	691.00	1156.00
0.10	2.989	0.2591572	0.0188247	1.10	1.10	68.451	58.172	17.00	28.00	50.00	92.00	146.00	3.165	82.555	70.397	20.00	33.00	61.00	109.00	174.00
0.10	2.989	0.2591572	0.0188247	1.20	1.10	23.898	14.282	10.00	14.00	20.00	30.00	42.00	3.165	26.094	15.883	11.00	15.00	22.00	33.00	47.00
0.10	2.989	0.2591572	0.0188247	1.30	1.10	13.458	5.849	7.00	9.00	12.00	16.00	21.00	3.165	14.444	6.446	8.00	10.00	13.00	17.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	1.10	9.565	3.344	6.00	7.00	9.00	11.00	14.00	3.165	10.126	3.563	6.00	8.00	9.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	1.10	42.151	33.375	11.00	19.00	33.00	55.00	86.00	3.165	48.222	39.002	13.00	21.00	37.00	64.00	99.00
0.10	2.989	0.2591572	0.0188247	0.80	1.10	13.215	7.357	6.00	8.00	11.00	16.00	23.00	3.165	14.159	7.922	6.00	9.00	12.00	18.00	25.00
0.10	2.989	0.2591572	0.0188247	0.70	1.10	6.820	2.937	4.00	5.00	6.00	8.00	11.00	3.165	7.178	3.144	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	1.10	4.343	1.576	3.00	3.00	4.00	5.00	6.00	3.165	4.535	1.643	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	1.10	3.045	0.982	2.00	2.00	3.00	4.00	4.00	3.165	3.149	1.001	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	1.20	50.941	40.496	14.00	22.75	39.00	67.00	104.00	3.165	58.432	46.920	15.00	25.00	44.00	77.00	122.00
0.10	2.989	0.2591572	0.0188247	1.20	1.20	22.226	12.888	10.00	13.00	19.00	28.00	39.00	3.165	24.420	14.488	10.00	14.00	21.00	30.00	43.00
0.10	2.989	0.2591572	0.0188247	1.30	1.20	13.216	5.803	7.00	9.00	12.00	16.00	21.00	3.165	14.180	6.278	8.00	10.00	13.00	17.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	1.20	9.554	3.417	6.00	7.00	9.00	11.00	14.00	3.165	10.063	3.469	6.00	8.00	9.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	1.20	34.730	26.123	10.00	16.00	27.00	45.00	68.00	3.165	39.133	30.596	11.00	18.00	30.00	51.00	78.00
0.10	2.989	0.2591572	0.0188247	0.80	1.20	13.032	7.188	6.00	8.00	11.00	16.00	23.00	3.165	13.869	7.709	6.00	8.00	12.00	17.00	24.00
0.10	2.989	0.2591572	0.0188247	0.70	1.20	6.829	2.934	4.00	5.00	6.00	8.00	11.00	3.165	7.091	3.004	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	1.20	4.360	1.570	3.00	3.00	4.00	5.00	6.00	3.165	4.502	1.610	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	1.20	3.051	0.959	2.00	2.00	3.00	4.00	4.00	3.165	3.155	1.000	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	1.30	36.095	27.120	11.00	17.00	28.00	47.00	71.00								

0.10	2.989	0.2591572	0.0188247	0.70	1.30	6.781	2.935	4.00	5.00	6.00	8.00	11.00	3.165	7.054	2.983	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	1.30	4.323	1.565	3.00	3.00	4.00	5.00	6.00	3.165	4.506	1.619	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	1.30	3.041	0.978	2.00	2.00	3.00	4.00	4.00	3.165	3.154	1.003	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	1.40	26.562	18.459	9.00	14.00	22.00	34.00	51.00	3.165	29.423	21.371	10.00	14.00	24.00	38.00	57.00
0.10	2.989	0.2591572	0.0188247	1.20	1.40	17.756	9.830	8.00	11.00	15.00	22.00	31.00	3.165	19.602	11.166	9.00	12.00	17.00	24.25	34.00
0.10	2.989	0.2591572	0.0188247	1.30	1.40	12.183	5.271	7.00	8.00	11.00	15.00	19.00	3.165	13.093	5.599	7.00	9.00	12.00	16.00	20.00
0.10	2.989	0.2591572	0.0188247	1.40	1.40	9.257	3.204	6.00	7.00	9.00	11.00	14.00	3.165	9.760	3.381	6.00	7.00	9.00	11.00	14.00
0.10	2.989	0.2591572	0.0188247	0.90	1.40	22.778	15.609	8.00	12.00	19.00	29.00	43.00	3.165	24.854	17.193	9.00	13.00	20.00	32.00	47.00
0.10	2.989	0.2591572	0.0188247	0.80	1.40	11.709	6.054	6.00	7.00	10.00	15.00	20.00	3.165	12.588	6.521	6.00	8.00	11.00	16.00	21.00
0.10	2.989	0.2591572	0.0188247	0.70	1.40	6.696	2.767	4.00	5.00	6.00	8.00	10.00	3.165	6.962	2.887	4.00	5.00	6.00	8.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	1.40	4.359	1.569	3.00	3.00	4.00	5.00	6.00	3.165	4.511	1.603	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	1.40	3.066	0.989	2.00	2.00	3.00	4.00	4.00	3.165	3.154	1.000	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	0.90	82.560	71.350	19.00	33.00	61.00	109.00	173.00	3.165	100.405	87.896	22.00	39.00	74.00	135.00	212.00
0.10	2.989	0.2591572	0.0188247	1.20	0.90	24.617	14.822	10.00	14.00	21.00	31.00	44.00	3.165	26.685	16.328	11.00	15.00	22.00	34.00	48.00
0.10	2.989	0.2591572	0.0188247	1.30	0.90	13.615	6.117	7.00	9.00	12.00	16.00	21.00	3.165	14.522	6.537	8.00	10.00	13.00	18.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	0.90	9.591	3.386	6.00	7.00	9.00	11.00	14.00	3.165	10.244	3.654	6.00	8.00	10.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	0.90	46.572	38.487	12.00	20.00	35.00	61.00	95.00	3.165	53.400	44.465	13.00	22.00	40.00	71.00	111.00
0.10	2.989	0.2591572	0.0188247	0.80	0.90	13.466	7.612	6.00	8.00	12.00	17.00	24.00	3.165	14.338	8.184	6.00	9.00	12.00	18.00	25.00
0.10	2.989	0.2591572	0.0188247	0.70	0.90	6.838	3.025	4.00	5.00	6.00	8.00	11.00	3.165	7.168	3.090	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	0.90	4.350	1.600	3.00	3.00	4.00	5.00	6.00	3.165	4.521	1.652	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	0.90	3.053	0.972	2.00	2.00	3.00	4.00	4.00	3.165	3.155	1.005	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	0.80	69.082	55.962	19.00	30.00	52.00	90.00	142.00	3.165	83.995	69.177	21.00	35.00	63.00	112.00	174.00
0.10	2.989	0.2591572	0.0188247	1.20	0.80	23.842	13.900	10.00	14.00	20.00	30.00	42.00	3.165	26.619	16.236	11.00	15.00	22.00	33.00	48.00
0.10	2.989	0.2591572	0.0188247	1.30	0.80	13.561	5.966	7.00	9.00	12.00	16.00	21.00	3.165	14.560	6.499	8.00	10.00	13.00	18.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	0.80	9.630	3.407	6.00	7.00	9.00	11.00	14.00	3.165	10.147	3.590	6.00	8.00	9.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	0.80	43.049	33.415	12.00	20.00	34.00	56.00	86.00	3.165	48.259	38.274	13.00	21.00	38.00	63.00	97.00
0.10	2.989	0.2591572	0.0188247	0.80	0.80	13.432	7.658	6.00	8.00	12.00	17.00	23.00	3.165	14.321	8.051	6.00	9.00	12.00	18.00	25.00
0.10	2.989	0.2591572	0.0188247	0.70	0.80	6.855	2.944	4.00	5.00	6.00	8.00	11.00	3.165	7.182	3.084	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	0.80	4.351	1.549	3.00	3.00	4.00	5.00	6.00	3.165	4.525	1.652	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	0.80	3.055	0.992	2.00	2.00	3.00	4.00	4.00	3.165	3.129	0.991	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	0.70	47.745	34.197	16.00	24.00	38.00	61.00	92.00	3.165	56.738	42.566	18.00	27.00	44.00	73.00	111.00
0.10	2.989	0.2591572	0.0188247	1.20	0.70	22.652	12.728	10.00	14.00	20.00	28.00	39.00	3.165	25.189	14.491	11.00	15.00	22.00	31.00	44.00
0.10	2.989	0.2591572	0.0188247	1.30	0.70	13.419	5.790	7.00	9.00	12.00	16.00	21.00	3.165	14.455	6.368	8.00	10.00	13.00	17.00	23.00
0.10	2.989	0.2591572	0.0188247	1.40	0.70	9.586	3.330	6.00	7.00	9.00	11.00	14.00	3.165	10.104	3.548	6.00	8.00	9.00	12.00	15.00
0.10	2.989	0.2591572	0.0188247	0.90	0.70	35.020	24.903	12.00	18.00	28.00	45.00	68.00	3.165	39.637	28.612	13.00	19.00	32.00	52.00	77.00
0.10	2.989	0.2591572	0.0188247	0.80	0.70	13.146	7.135	6.00	8.00	12.00	17.00	23.00	3.165	14.007	7.674	6.00	9.00	12.00	17.00	24.00
0.10	2.989	0.2591572	0.0188247	0.70	0.70	6.856	2.954	4.00	5.00	6.00	8.00	11.00	3.165	7.119	3.029	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	0.70	4.325	1.575	3.00	3.00	4.00	5.00	6.00	3.165	4.546	1.646	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	0.70	3.044	0.973	2.00	2.00	3.00	4.00	4.00	3.165	3.156	1.011	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	0.60	29.996	17.208	13.00	18.00	26.00	37.00	52.00	3.165	34.147	20.509	15.00	20.00	29.00	43.00	61.00
0.10	2.989	0.2591572	0.0188247	1.20	0.60	19.696	9.368	10.00	13.00	18.00	24.00	32.00	3.165	21.738	10.848	11.00	14.00	19.00	27.00	36.00
0.10	2.989	0.2591572	0.0188247	1.30	0.60	13.078	5.223	7.00	9.00	12.00	16.00	20.00	3.165	13.970	5.714	8.00	10.00	13.00	17.00	21.00
0.10	2.989	0.2591572	0.0188247	1.40	0.60	9.578	3.306	6.00	7.00	9.00	11.00	14.00	3.165	10.047	3.424	6.00	8.00	9.00	12.00	14.00
0.10	2.989	0.2591572	0.0188247	0.90	0.60	25.300	14.401	11.00	15.00	22.00	32.00	44.00	3.165	28.442	16.806	12.00	17.00	24.00	36.00	51.00
0.10	2.989	0.2591572	0.0188247	0.80	0.60	12.569	6.416	6.00	8.00	11.00	16.00	21.00	3.165	13.611	6.973	6.00	9.00	12.00	17.00	23.00
0.10	2.989	0.2591572	0.0188247	0.70	0.60	6.838	2.906	4.00	5.00	6.00	8.00	11.00	3.165	7.174	3.073	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	0.60	4.342	1.566	3.00	3.00	4.00	5.00	6.00	3.165	4.502	1.624	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	0.60	3.049	0.975	2.00	2.00	3.00	4.00	4.00	3.165	3.148	0.995	2.00	2.00	3.00	4.00	4.00
0.10	2.989	0.2591572	0.0188247	1.10	0.50	19.166	7.892	11.00	14.00	17.00	23.00	29.00	3.165	21.078	8.980	12.00	15.00	19.00	25.00	33.00
0.10	2.989	0.2591572	0.0188247	1.20	0.50	16.109	6.195	9.00	12.00	15.00	19.00	24.00	3.165	17.346	6.846	10.00	13.00	16.00	21.00	26.00
0.10	2.989	0.2591572	0.0188247	1.30	0.50	12.238	4.382	7.00	9.00	12.00	15.00	18.00	3.165	13.011	4.677	8.00	10.00	12.00	15.00	19.00
0.10	2.989	0.2591572	0.0188247	1.40	0.50	9.389	3.011	6.00	7.00	9.00	11.00	13.00	3.165	9.974	3.231	6.00	8.00	9.00	12.00	14.00
0.10	2.989	0.2591572	0.0188247	0.90	0.50	17.727	7.426	10.00	13.00	16.00	21.00	27.00	3.165	19.428	8.522	11.00	14.00	18.00	23.00	31.00
0.10	2.989	0.2591572	0.0188247	0.80	0.50	11.593	5.149	6.00	8.00	11.00	14.00	18.00	3.165	12.419	5.528	6.00	8.00	12.00	15.00	20.00
0.10	2.989	0.2591572	0.0188247	0.70	0.50	6.865	2.856	4.00	5.00	6.00	8.00	11.00	3.165	7.114	2.978	4.00	5.00	7.00	9.00	11.00
0.10	2.989	0.2591572	0.0188247	0.60	0.50	4.372	1.607	3.00	3.00	4.00	5.00	6.00	3.165	4.504	1.603	3.00	3.00	4.00	5.00	7.00
0.10	2.989	0.2591572	0.0188247	0.50	0.50	3.043	0.970	2.00	2.00	3.00	4.00	4.00	3.165	3.147	0.988	2.00	2.00	3.00	4.	

0.15	3.117	0.3219652	0.0288123	0.90	1.10	45.098	38.413	10.00	18.00	34.00	60.00	96.00	3.290	52.118	45.837	11.00	20.00	38.00	70.00	111.00
0.15	3.117	0.3219652	0.0288123	0.80	1.10	13.118	8.465	5.00	7.00	11.00	17.00	24.00	3.290	14.005	9.138	5.00	8.00	12.00	18.00	26.00
0.15	3.117	0.3219652	0.0288123	0.70	1.10	6.353	3.106	3.00	4.00	6.00	8.00	10.00	3.290	6.678	3.280	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	1.10	3.917	1.548	2.00	3.00	4.00	5.00	6.00	3.290	4.080	1.612	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	1.10	2.709	0.939	2.00	2.00	3.00	3.00	4.00	3.290	2.807	0.970	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	1.20	59.237	51.611	13.00	23.00	44.00	79.00	125.00	3.290	71.070	63.869	15.00	26.00	52.00	95.00	154.00
0.15	3.117	0.3219652	0.0288123	1.20	1.20	25.343	17.791	9.00	13.00	21.00	32.00	48.00	3.290	28.770	20.357	10.00	14.00	23.00	37.00	56.00
0.15	3.117	0.3219652	0.0288123	1.30	1.20	13.769	7.294	7.00	9.00	12.00	17.00	23.00	3.290	14.971	8.251	7.00	9.00	13.00	18.00	26.00
0.15	3.117	0.3219652	0.0288123	1.40	1.20	9.354	4.049	5.00	7.00	8.00	11.00	15.00	3.290	10.029	4.402	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	1.20	37.037	30.577	9.00	16.00	28.00	49.00	78.00	3.290	42.335	35.302	10.00	17.00	32.00	56.00	89.00
0.15	3.117	0.3219652	0.0288123	0.80	1.20	12.666	8.051	5.00	7.00	11.00	16.00	23.00	3.290	13.376	8.507	5.00	7.00	11.00	17.00	24.00
0.15	3.117	0.3219652	0.0288123	0.70	1.20	6.327	3.090	3.00	4.00	6.00	8.00	10.00	3.290	6.648	3.234	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	1.20	3.932	1.566	2.00	3.00	4.00	5.00	6.00	3.290	4.084	1.641	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	1.20	2.711	0.940	2.00	2.00	3.00	3.00	4.00	3.290	2.804	0.972	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	1.30	38.973	32.207	10.00	16.00	30.00	51.00	80.00	3.290	45.661	38.416	11.00	19.00	34.00	60.00	95.00
0.15	3.117	0.3219652	0.0288123	1.20	1.30	21.928	14.807	8.00	11.00	18.00	28.00	41.00	3.290	24.478	16.767	9.00	13.00	20.00	32.00	46.00
0.15	3.117	0.3219652	0.0288123	1.30	1.30	13.149	7.002	6.00	8.00	11.00	16.00	22.00	3.290	14.254	7.721	7.00	9.00	12.00	18.00	24.00
0.15	3.117	0.3219652	0.0288123	1.40	1.30	9.124	3.844	5.00	6.00	8.00	11.00	14.00	3.290	9.825	4.186	6.00	7.00	9.00	12.00	15.00
0.15	3.117	0.3219652	0.0288123	0.90	1.30	28.916	23.056	8.00	13.00	22.00	38.00	59.00	3.290	32.865	27.178	9.00	14.00	25.00	43.00	67.00
0.15	3.117	0.3219652	0.0288123	0.80	1.30	12.175	7.492	5.00	7.00	10.00	15.00	22.00	3.290	12.999	8.017	5.00	7.00	11.00	17.00	23.00
0.15	3.117	0.3219652	0.0288123	0.70	1.30	6.208	2.972	3.00	4.00	6.00	8.00	10.00	3.290	6.533	3.133	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	1.30	3.915	1.576	2.00	3.00	4.00	5.00	6.00	3.290	4.059	1.603	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	1.30	2.719	0.938	2.00	2.00	3.00	3.00	4.00	3.290	2.804	0.961	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	1.40	27.502	21.930	8.00	12.00	21.00	36.00	55.00	3.290	31.215	24.868	8.00	14.00	24.00	40.00	64.00
0.15	3.117	0.3219652	0.0288123	1.20	1.40	19.011	12.547	7.00	10.00	16.00	24.00	35.00	3.290	20.882	13.780	8.00	11.00	17.00	27.00	39.00
0.15	3.117	0.3219652	0.0288123	1.30	1.40	12.329	6.455	6.00	8.00	11.00	15.00	21.00	3.290	13.383	7.033	6.00	8.00	12.00	16.00	23.00
0.15	3.117	0.3219652	0.0288123	1.40	1.40	8.883	3.642	5.00	6.00	8.00	11.00	14.00	3.290	9.503	3.863	5.00	7.00	9.00	11.00	15.00
0.15	3.117	0.3219652	0.0288123	0.90	1.40	22.781	17.332	7.00	11.00	18.00	29.00	45.00	3.290	25.173	19.538	7.00	12.00	19.00	33.00	51.00
0.15	3.117	0.3219652	0.0288123	0.80	1.40	11.325	6.786	5.00	6.00	10.00	14.00	20.00	3.290	12.117	7.283	5.00	7.00	10.00	15.00	22.00
0.15	3.117	0.3219652	0.0288123	0.70	1.40	6.187	2.903	3.00	4.00	6.00	8.00	10.00	3.290	6.510	3.112	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	1.40	3.897	1.564	2.00	3.00	4.00	5.00	6.00	3.290	4.073	1.639	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	1.40	2.718	0.934	2.00	2.00	3.00	3.00	4.00	3.290	2.808	0.971	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	0.90	119.654	112.394	21.00	41.00	85.00	161.00	262.10	3.290	155.758	146.599	25.00	51.75	111.50	211.00	345.00
0.15	3.117	0.3219652	0.0288123	1.20	0.90	29.624	21.438	10.00	15.00	23.50	38.00	58.00	3.290	34.068	25.609	11.00	16.00	27.00	44.00	66.10
0.15	3.117	0.3219652	0.0288123	1.30	0.90	14.375	7.866	7.00	9.00	12.00	18.00	25.00	3.290	15.583	8.668	7.00	10.00	13.00	19.00	27.00
0.15	3.117	0.3219652	0.0288123	1.40	0.90	9.421	3.965	5.00	7.00	9.00	11.00	15.00	3.290	10.112	4.361	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	0.90	51.539	44.968	11.00	20.00	38.00	69.00	110.00	3.290	59.202	52.490	12.00	22.00	44.00	80.00	127.00
0.15	3.117	0.3219652	0.0288123	0.80	0.90	13.406	8.680	5.00	7.00	11.00	17.00	25.00	3.290	14.318	9.419	5.00	8.00	12.00	18.00	26.00
0.15	3.117	0.3219652	0.0288123	0.70	0.90	6.381	3.178	3.00	4.00	6.00	8.00	10.00	3.290	6.670	3.290	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	0.90	3.932	1.595	2.00	3.00	4.00	5.00	6.00	3.290	4.057	1.638	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	0.90	2.715	0.954	2.00	2.00	3.00	3.00	4.00	3.290	2.804	0.978	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	0.80	105.137	96.828	19.00	38.00	77.00	139.25	229.00	3.290	137.353	128.851	24.00	47.00	98.00	185.00	302.00
0.15	3.117	0.3219652	0.0288123	1.20	0.80	29.072	21.004	10.00	14.00	23.00	37.00	56.00	3.290	33.495	24.815	11.00	16.00	26.00	44.00	66.10
0.15	3.117	0.3219652	0.0288123	1.30	0.80	14.463	7.850	7.00	9.00	13.00	18.00	25.00	3.290	15.518	8.694	7.00	10.00	13.00	19.00	26.00
0.15	3.117	0.3219652	0.0288123	1.40	0.80	9.513	4.037	5.00	7.00	9.00	11.00	15.00	3.290	10.134	4.402	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	0.80	48.627	41.179	11.00	19.00	36.00	66.00	103.00	3.290	56.704	49.708	12.00	22.00	42.00	76.00	120.00
0.15	3.117	0.3219652	0.0288123	0.80	0.80	13.389	8.750	5.00	7.00	11.00	17.00	25.00	3.290	14.209	9.202	5.00	8.00	12.00	18.00	26.00
0.15	3.117	0.3219652	0.0288123	0.70	0.80	6.395	3.170	3.00	4.00	6.00	8.00	11.00	3.290	6.613	3.232	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	0.80	3.911	1.568	2.00	3.00	4.00	5.00	6.00	3.290	4.077	1.661	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	0.80	2.734	0.962	2.00	2.00	3.00	3.00	4.00	3.290	2.799	0.975	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	0.70	77.523	66.120	18.00	30.00	58.00	105.00	164.00	3.290	101.187	89.157	20.00	38.00	74.00	137.00	219.00
0.15	3.117	0.3219652	0.0288123	1.20	0.70	27.197	19.009	10.00	14.00	22.00	35.00	52.00	3.290	31.726	23.040	11.00	16.00	25.00	41.00	61.00
0.15	3.117	0.3219652	0.0288123	1.30	0.70	14.136	7.473	7.00	9.00	12.00	18.00	24.00	3.290	15.392	8.513	7.00	9.00	13.00	19.00	27.00
0.15	3.117	0.3219652	0.0288123	1.40	0.70	9.445	3.982	5.00	7.00	9.00	11.00	15.00	3.290	10.203	4.337	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	0.70	42.719	34.918	11.00	18.00	33.00	57.00	87.00	3.290	49.723	41.745	12.00	20.00	37.00	66.00	105.00
0.15	3.117	0.3219652	0.0288123	0.80	0.70	13.140	8.354	5.00	7.00	11.00	17.00	24.00	3.290	14.207	9.137	5.00	8.00	12.00	18.00	26.00
0.15	3.117	0.3219652	0.0288123	0.70	0.70	6.308	3.061	3.00	4.00	6.00	8.00	10.00	3.290	6.686	3					

0.15	3.117	0.3219652	0.0288123	1.40	0.60	9.430	3.944	5.00	7.00	9.00	11.00	14.00	3.290	10.088	4.266	6.00	7.00	9.00	12.00	16.00
0.15	3.117	0.3219652	0.0288123	0.90	0.60	32.239	23.578	10.00	16.00	26.00	41.00	63.00	3.290	38.518	29.146	12.00	18.00	30.00	51.00	77.00
0.15	3.117	0.3219652	0.0288123	0.80	0.60	12.722	7.696	5.00	7.00	11.00	16.00	23.00	3.290	13.586	8.323	5.00	8.00	12.00	17.00	24.00
0.15	3.117	0.3219652	0.0288123	0.70	0.60	6.296	3.104	3.00	4.00	6.00	8.00	10.00	3.290	6.658	3.245	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	0.60	3.910	1.574	2.00	3.00	4.00	5.00	6.00	3.290	4.070	1.625	2.00	3.00	4.00	5.00	6.00
0.15	3.117	0.3219652	0.0288123	0.50	0.60	2.726	0.956	2.00	2.00	3.00	3.00	4.00	3.290	2.802	0.974	2.00	2.00	3.00	3.00	4.00
0.15	3.117	0.3219652	0.0288123	1.10	0.50	24.824	14.509	11.00	15.00	21.00	31.00	44.00	3.290	29.592	18.642	13.00	17.00	24.00	37.00	53.00
0.15	3.117	0.3219652	0.0288123	1.20	0.50	18.889	9.884	9.00	12.00	16.00	23.00	32.00	3.290	21.332	11.586	10.00	13.00	18.00	27.00	37.00
0.15	3.117	0.3219652	0.0288123	1.30	0.50	12.900	5.896	7.00	9.00	12.00	16.00	21.00	3.290	14.048	6.580	7.00	9.00	13.00	17.00	23.00
0.15	3.117	0.3219652	0.0288123	1.40	0.50	9.353	3.777	5.00	7.00	9.00	11.00	14.00	3.290	9.907	4.001	6.00	7.00	9.00	12.00	15.00
0.15	3.117	0.3219652	0.0288123	0.90	0.50	21.575	12.765	9.00	13.00	18.00	27.00	38.00	3.290	25.093	15.634	10.00	14.00	21.00	31.00	45.00
0.15	3.117	0.3219652	0.0288123	0.80	0.50	11.747	6.372	5.00	7.00	11.00	15.00	20.00	3.290	12.821	7.058	5.00	8.00	11.00	16.00	22.00
0.15	3.117	0.3219652	0.0288123	0.70	0.50	6.276	3.021	3.00	4.00	6.00	8.00	10.00	3.290	6.638	3.166	3.00	4.00	6.00	8.00	11.00
0.15	3.117	0.3219652	0.0288123	0.60	0.50	3.928	1.589	2.00	3.00	4.00	5.00	6.00	3.290	4.042	1.597	2.00	3.00	4.00	5.00	6.00
0.10	3.117	0.3219652	0.0288123	0.50	0.50	2.720	5 0.955338	2.00	2.00	3.00	4.00	5.000	3.290	2.804	0.974	2.00	2.00	3.00	3.00	4.00

$ARL_0 = 370$

$ARL_0 = 500$

Case 4
 $\phi=31$

0.05	2.704	0.1807397	0.0092360	1.00	1.00	370.385	354.100	54.00	122.00	260.00	510.00	825.00	2.898	500.880	489.431	70.00	153.00	350.00	693.00	1138.00
0.05	2.704	0.1807397	0.0092360	1.10	1.10	100.983	81.278	26.00	44.00	77.00	134.00	204.00	2.898	121.192	98.991	32.00	52.00	92.00	160.00	249.00
0.05	2.704	0.1807397	0.0092360	1.20	1.10	45.526	28.148	18.00	26.00	39.00	57.00	81.00	2.898	50.680	31.689	20.00	28.00	42.00	64.00	92.00
0.05	2.704	0.1807397	0.0092360	1.30	1.10	27.552	13.047	14.00	19.00	24.00	34.00	45.00	2.898	29.739	14.187	15.00	20.00	26.00	37.00	49.00
0.05	2.704	0.1807397	0.0092360	1.40	1.10	19.918	7.634	12.00	14.00	18.00	24.00	30.00	2.898	21.184	8.284	12.00	15.00	20.00	25.00	32.00
0.05	2.704	0.1807397	0.0092360	0.90	1.10	68.903	53.624	20.00	31.00	54.00	89.00	140.00	2.898	78.049	62.014	21.00	34.00	61.00	102.00	159.00
0.05	2.704	0.1807397	0.0092360	0.80	1.10	26.144	15.635	11.00	15.00	22.50	33.00	46.00	2.898	28.428	16.991	12.00	16.00	24.00	36.00	51.00
0.05	2.704	0.1807397	0.0092360	0.70	1.10	13.899	6.587	7.00	9.00	13.00	17.00	22.00	2.898	14.869	7.012	7.00	10.00	14.00	18.00	24.00
0.05	2.704	0.1807397	0.0092360	0.60	1.10	8.778	3.560	5.00	6.00	8.00	11.00	13.00	2.898	9.135	3.639	5.00	7.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	1.10	5.991	2.137	4.00	4.00	6.00	7.00	9.00	2.898	6.258	2.234	4.00	5.00	6.00	8.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	1.20	61.832	45.940	19.00	29.00	49.00	81.00	122.00	2.898	71.750	55.545	21.00	33.00	56.00	94.00	143.00
0.05	2.704	0.1807397	0.0092360	1.20	1.20	38.577	22.648	16.00	23.00	33.00	48.00	68.00	2.898	43.026	25.609	18.00	25.00	36.00	54.00	77.00
0.05	2.704	0.1807397	0.0092360	1.30	1.20	25.688	11.850	13.00	17.00	23.00	31.00	41.00	2.898	27.940	12.896	15.00	19.00	25.00	34.00	45.00
0.05	2.704	0.1807397	0.0092360	1.40	1.20	19.318	7.284	11.00	14.00	18.00	23.00	29.00	2.898	20.703	7.993	12.00	15.00	19.00	25.00	31.00
0.05	2.704	0.1807397	0.0092360	0.90	1.20	49.854	35.885	16.00	24.00	40.00	64.00	96.00	2.898	55.685	40.329	18.00	27.00	45.00	72.00	108.00
0.05	2.704	0.1807397	0.0092360	0.80	1.20	24.402	13.861	10.00	14.00	21.00	31.00	42.00	2.898	26.633	15.242	11.00	16.00	23.00	34.00	46.00
0.05	2.704	0.1807397	0.0092360	0.70	1.20	13.651	6.367	7.00	9.00	12.00	17.00	22.00	2.898	14.635	6.873	7.00	10.00	13.00	18.00	24.00
0.05	2.704	0.1807397	0.0092360	0.60	1.20	8.777	3.546	5.00	6.00	8.00	11.00	13.00	2.898	9.186	3.671	5.00	7.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	1.20	6.024	2.195	4.00	4.00	6.00	7.00	9.00	2.898	6.263	2.232	4.00	5.00	6.00	8.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	1.30	41.056	27.487	15.00	22.00	34.00	53.00	77.00	2.898	45.705	31.089	16.00	24.00	38.00	59.00	86.00
0.05	2.704	0.1807397	0.0092360	1.20	1.30	31.439	17.346	14.00	19.00	27.00	39.00	53.00	2.898	34.564	19.471	15.00	21.00	30.00	43.00	60.00
0.05	2.704	0.1807397	0.0092360	1.30	1.30	23.348	10.566	12.00	16.00	21.00	28.00	37.00	2.898	25.469	11.492	13.00	17.00	23.00	31.00	41.00
0.05	2.704	0.1807397	0.0092360	1.40	1.30	18.510	6.882	11.00	14.00	17.00	22.00	28.00	2.898	19.678	7.271	12.00	14.00	18.00	24.00	29.00
0.05	2.704	0.1807397	0.0092360	0.90	1.30	36.266	23.796	13.00	19.00	30.00	47.00	67.00	2.898	40.296	27.335	14.00	21.00	33.00	52.00	75.00
0.05	2.704	0.1807397	0.0092360	0.80	1.30	22.281	12.233	10.00	14.00	20.00	28.00	38.00	2.898	23.672	12.714	11.00	15.00	21.00	30.00	40.00
0.05	2.704	0.1807397	0.0092360	0.70	1.30	13.337	6.085	7.00	9.00	12.00	16.00	21.00	2.898	14.196	6.463	7.00	10.00	13.00	17.00	23.00
0.05	2.704	0.1807397	0.0092360	0.60	1.30	8.673	3.464	5.00	6.00	8.00	10.00	13.00	2.898	9.044	3.615	5.00	6.00	8.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	1.30	5.983	2.159	4.00	4.00	6.00	7.00	9.00	2.898	6.242	2.206	4.00	5.00	6.00	7.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	1.40	30.006	18.450	12.00	17.00	25.00	38.00	54.00	2.898	32.566	20.313	13.00	18.00	27.00	42.00	59.00
0.05	2.704	0.1807397	0.0092360	1.20	1.40	25.865	14.017	11.00	16.00	23.00	33.00	44.00	2.898	28.141	15.285	12.00	17.00	25.00	35.00	48.00
0.05	2.704	0.1807397	0.0092360	1.30	1.40	21.001	9.336	11.00	14.00	19.00	26.00	33.00	2.898	22.682	10.165	12.00	15.00	21.00	28.00	36.00
0.05	2.704	0.1807397	0.0092360	1.40	1.40	17.296	6.431	10.00	13.00	16.00	21.00	26.00	2.898	18.415	6.890	11.00	14.00	17.00	22.00	28.00
0.05	2.704	0.1807397	0.0092360	0.90	1.40	27.538	16.618	11.00	16.00	24.00	35.00	49.00	2.898	30.244	18.408	12.00	17.00	26.00	38.00	54.00
0.05	2.704	0.1807397	0.0092360	0.80	1.40	19.823	10.266	9.00	12.00	18.00	25.00	33.00	2.898	21.292	11.159	10.00	13.00	19.00	26.00	35.00
0.05	2.704	0.1807397	0.0092360	0.70	1.40	12.884	5.639	7.00	9.00	12.00	16.00	20.00	2.898	13.607	5.921	7.00	9.00	13.00	17.00	21.00
0.05	2.704	0.1807397	0.0092360	0.60	1.40	8.619	3.387	5.00	6.00	8.00	10.00	13.00	2.898	9.011	3.496	5.00	6.00	8.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	1.40	5.940	2.122	4.00	4.00	6.00	7.00	9.00	2.898	6.248	2.182	4.00	5.00	6.00	7.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	0.90	120.198	99.638	32.00	51.00	91.00	158.00	247.00	2.898	147.708	125.578	36.00	60.00	111.00	194.00	312.00
0.05	2.704	0.1807397	0.0092360	1.20	0.90	47.944	29.884	20.00	27.00	40.00	60.00	85.00	2.898	53.629	33.171	21.00	30.00	45.00	68.00	97.00
0.05	2.704	0.1807397	0.0092360	1.30	0.90	27.931	13.033	14.00	19.00	25.00	34.00	45.00	2.898	30.243	14.733	16.00	20.00	27.00	37.00	49.00
0.05	2.704	0.1807397																		

0.05	2.704	0.1807397	0.0092360	0.60	0.90	8.720	3.561	5.00	6.00	8.00	11.00	13.00	2.898	9.168	3.716	5.00	6.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	0.90	5.982	2.154	4.00	4.00	6.00	7.00	9.00	2.898	6.249	2.211	4.00	5.00	6.00	7.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	0.80	75.497	53.004	26.00	38.00	60.00	97.00	145.00	2.898	86.888	64.877	29.00	42.00	68.00	112.00	169.00
0.05	2.704	0.1807397	0.0092360	1.20	0.80	42.586	24.184	19.00	26.00	37.00	53.00	74.00	2.898	47.669	27.636	21.00	28.00	41.00	60.00	84.00
0.05	2.704	0.1807397	0.0092360	1.30	0.80	27.032	12.233	14.00	18.00	25.00	33.00	43.00	2.898	29.314	13.481	15.00	20.00	26.00	36.00	47.00
0.05	2.704	0.1807397	0.0092360	1.40	0.80	19.919	7.427	12.00	15.00	19.00	24.00	30.00	2.898	21.225	8.102	13.00	15.00	20.00	25.00	32.00
0.05	2.704	0.1807397	0.0092360	0.90	0.80	58.074	40.280	20.00	30.00	47.00	75.00	110.00	2.898	65.563	46.725	22.00	32.00	52.00	86.00	126.00
0.05	2.704	0.1807397	0.0092360	0.80	0.80	25.428	14.241	11.00	15.00	22.00	32.00	44.00	2.898	27.835	15.933	12.00	16.00	24.00	35.00	49.00
0.05	2.704	0.1807397	0.0092360	0.70	0.80	13.973	6.477	7.00	9.00	13.00	17.00	22.00	2.898	14.703	6.936	7.00	10.00	13.00	18.00	24.00
0.05	2.704	0.1807397	0.0092360	0.60	0.80	8.722	3.564	5.00	6.00	8.00	11.00	13.00	2.898	9.178	3.647	5.00	7.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	0.80	5.988	2.155	4.00	4.00	6.00	7.00	9.00	2.898	6.265	2.245	4.00	5.00	6.00	8.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	0.70	42.470	23.125	20.00	26.00	37.00	53.00	73.00	2.898	47.043	26.643	21.00	29.00	40.00	58.00	82.00
0.05	2.704	0.1807397	0.0092360	1.20	0.70	33.253	15.734	17.00	22.00	30.00	40.00	54.00	2.898	36.723	17.877	19.00	24.00	33.00	45.00	60.00
0.05	2.704	0.1807397	0.0092360	1.30	0.70	24.893	10.021	14.00	18.00	23.00	30.00	38.00	2.898	26.935	11.007	15.00	19.00	25.00	32.00	41.00
0.05	2.704	0.1807397	0.0092360	1.40	0.70	19.247	6.799	12.00	14.00	18.00	23.00	28.00	2.898	20.682	7.483	13.00	15.00	19.00	24.00	31.00
0.05	2.704	0.1807397	0.0092360	0.90	0.70	37.310	20.199	17.00	23.00	33.00	47.00	64.00	2.898	41.642	22.820	19.00	26.00	36.00	52.00	72.00
0.05	2.704	0.1807397	0.0092360	0.80	0.70	23.193	11.625	11.00	15.00	21.00	29.00	39.00	2.898	25.316	12.778	12.00	16.00	23.00	32.00	42.00
0.05	2.704	0.1807397	0.0092360	0.70	0.70	13.781	6.302	7.00	9.00	13.00	17.00	22.00	2.898	14.622	6.620	7.00	10.00	13.00	18.00	23.00
0.05	2.704	0.1807397	0.0092360	0.60	0.70	8.724	3.564	5.00	6.00	8.00	11.00	13.00	2.898	9.149	3.656	5.00	7.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	0.70	5.993	2.175	4.00	4.00	6.00	7.00	9.00	2.898	6.247	2.211	4.00	5.00	6.00	7.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	0.60	26.194	10.325	15.00	19.00	24.00	31.00	40.00	2.898	28.549	11.204	17.00	20.00	26.00	34.00	43.00
0.05	2.704	0.1807397	0.0092360	1.20	0.60	24.326	9.018	15.00	18.00	23.00	29.00	36.00	2.898	26.463	9.758	16.00	19.00	25.00	32.00	40.00
0.05	2.704	0.1807397	0.0092360	1.30	0.60	21.182	7.125	13.00	16.00	20.00	25.00	31.00	2.898	22.932	7.840	14.00	17.00	22.00	27.00	33.00
0.05	2.704	0.1807397	0.0092360	1.40	0.60	17.897	5.393	12.00	14.00	17.00	21.00	25.00	2.898	19.157	5.937	12.00	15.00	18.00	22.00	27.00
0.05	2.704	0.1807397	0.0092360	0.90	0.60	25.144	10.058	15.00	18.00	23.00	30.00	38.00	2.898	27.318	10.997	16.00	19.00	25.00	33.00	42.00
0.05	2.704	0.1807397	0.0092360	0.80	0.60	19.760	7.942	11.00	14.00	19.00	24.00	30.00	2.898	21.188	8.465	11.00	15.00	20.00	26.00	32.00
0.05	2.704	0.1807397	0.0092360	0.70	0.60	13.244	5.506	7.00	9.00	12.00	16.00	21.00	2.898	14.041	5.891	7.00	10.00	13.00	17.00	22.00
0.05	2.704	0.1807397	0.0092360	0.60	0.60	8.708	3.461	5.00	6.00	8.00	11.00	13.00	2.898	9.138	3.625	5.00	6.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	0.60	6.011	2.167	4.00	4.00	6.00	7.00	9.00	2.898	6.260	2.190	4.00	5.00	6.00	7.00	9.00
0.05	2.704	0.1807397	0.0092360	1.10	0.50	18.263	5.190	12.00	15.00	17.00	21.00	25.00	2.898	19.657	5.626	13.00	16.00	19.00	23.00	27.00
0.05	2.704	0.1807397	0.0092360	1.20	0.50	17.917	4.827	12.00	14.00	17.00	21.00	24.00	2.898	19.255	5.306	13.00	15.00	18.00	22.00	26.00
0.05	2.704	0.1807397	0.0092360	1.30	0.50	17.076	4.528	12.00	14.00	16.00	20.00	23.00	2.898	18.260	4.838	13.00	15.00	18.00	21.00	25.00
0.05	2.704	0.1807397	0.0092360	1.40	0.50	15.689	3.910	11.00	13.00	15.00	18.00	21.00	2.898	16.756	4.239	12.00	14.00	16.00	19.00	22.00
0.05	2.704	0.1807397	0.0092360	0.90	0.50	17.944	5.163	12.00	14.00	17.00	21.00	25.00	2.898	19.191	5.434	13.00	15.00	18.00	22.00	26.00
0.05	2.704	0.1807397	0.0092360	0.80	0.50	16.058	4.927	10.00	13.00	16.00	19.00	22.00	2.898	17.210	5.244	11.00	14.00	17.00	20.00	24.00
0.05	2.704	0.1807397	0.0092360	0.70	0.50	12.409	4.385	7.00	9.00	12.00	15.00	18.00	2.898	12.944	4.610	7.00	10.00	13.00	16.00	19.00
0.05	2.704	0.1807397	0.0092360	0.60	0.50	8.580	3.264	5.00	6.00	8.00	11.00	13.00	2.898	9.033	3.415	5.00	7.00	9.00	11.00	14.00
0.05	2.704	0.1807397	0.0092360	0.50	0.50	6.026	2.182	4.00	4.00	6.00	7.00	9.00	2.898	6.240	2.195	4.00	5.00	6.00	7.00	9.00
0.10	2.992	0.2594297	0.0188990	1.00	1.00	370.380	364.296	47.00	115.00	259.00	502.25	829.10	3.165	500.219	494.183	61.00	154.00	346.00	682.25	1143.00
0.10	2.992	0.2594297	0.0188990	1.10	1.10	133.179	123.202	24.00	46.00	95.00	179.00	292.10	3.165	167.407	155.707	28.00	57.00	120.00	226.25	371.00
0.10	2.992	0.2594297	0.0188990	1.20	1.10	60.362	47.901	17.00	27.00	47.00	80.00	122.10	3.165	72.001	58.677	19.00	30.00	55.00	95.00	149.00
0.10	2.992	0.2594297	0.0188990	1.30	1.10	31.825	20.399	12.00	17.00	26.00	40.00	59.00	3.165	35.805	23.438	14.00	19.00	29.00	46.00	66.00
0.10	2.992	0.2594297	0.0188990	1.40	1.10	20.726	10.821	10.00	13.00	18.00	25.00	35.00	3.165	22.809	12.174	11.00	14.00	20.00	28.00	38.00
0.10	2.992	0.2594297	0.0188990	0.90	1.10	72.375	63.307	15.00	27.00	54.00	98.00	154.00	3.165	85.042	74.812	18.00	32.00	62.00	115.00	183.00
0.10	2.992	0.2594297	0.0188990	0.80	1.10	25.370	17.951	8.00	13.00	21.00	33.00	49.00	3.165	27.609	20.244	9.00	13.00	22.00	36.00	54.00
0.10	2.992	0.2594297	0.0188990	0.70	1.10	12.489	7.219	5.00	7.00	11.00	16.00	22.00	3.165	13.248	7.775	6.00	8.00	11.00	17.00	23.00
0.10	2.992	0.2594297	0.0188990	0.60	1.10	7.406	3.581	4.00	5.00	7.00	9.00	12.00	3.165	7.804	3.744	4.00	5.00	7.00	10.00	13.00
0.10	2.992	0.2594297	0.0188990	0.50	1.10	4.963	2.103	3.00	3.00	5.00	6.00	8.00	3.165	5.177	2.162	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	1.20	73.055	62.658	16.00	29.00	54.00	99.00	153.00	3.165	84.449	72.826	18.00	33.00	63.00	113.00	179.00
0.10	2.992	0.2594297	0.0188990	1.20	1.20	46.241	35.064	14.00	22.00	36.00	60.00	92.00	3.165	54.452	43.374	15.00	24.00	42.00	71.00	111.00
0.10	2.992	0.2594297	0.0188990	1.30	1.20	28.340	17.561	11.00	16.00	24.00	36.00	51.00	3.165	31.871	20.516	12.00	18.00	26.00	40.00	59.00
0.10	2.992	0.2594297	0.0188990	1.40	1.20	19.694	10.302	10.00	13.00	17.00	24.00	33.00	3.165	21.665	11.268	10.00	14.00	19.00	27.00	36.00
0.10	2.992	0.2594297	0.0188990	0.90	1.20	50.290	42.090	12.00	21.00	38.00	66.00	106.00	3.165	57.725	48.889	14.00	24.00	43.00	77.00	122.00
0.10	2.992	0.2594297	0.0188990	0.80	1.20	23.299	16.125	8.00	12.00	19.00	30.00	44.00	3.165	25.481	17.911	8.00	13.00	21.00	33.00	49.00
0.10	2.992	0.2594297	0.0188990	0.70	1.20	12.139	6.867	5.00	7.00	10.00	15.00	21.00	3.165	12.835	7.162	6.00	8.00	11.00	16.00	22.00
0.10	2.992	0.2594297	0.0188990	0.60	1.20	7.376	3.554	4.00	5.00	7.00	9.00	12.00	3.165	7.785	3.739	4.00	5.00	7.00	10.	

0.10	2.992	0.2594297	0.0188990	0.80	1.30	20.594	13.303	8.00	11.00	17.00	26.00	38.00	3.165	22.346	14.767	8.00	12.00	19.00	29.00	42.00
0.10	2.992	0.2594297	0.0188990	0.70	1.30	11.763	6.480	5.00	7.00	10.00	15.00	20.00	3.165	12.458	6.839	5.00	8.00	11.00	16.00	21.10
0.10	2.992	0.2594297	0.0188990	0.60	1.30	7.402	3.509	4.00	5.00	7.00	9.00	12.00	3.165	7.682	3.593	4.00	5.00	7.00	10.00	12.00
0.10	2.992	0.2594297	0.0188990	0.50	1.30	4.940	2.052	3.00	3.00	5.00	6.00	8.00	3.165	5.186	2.166	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	1.40	29.272	21.613	9.00	14.00	23.00	38.00	58.00	3.165	32.504	24.129	10.00	15.00	26.00	42.00	64.00
0.10	2.992	0.2594297	0.0188990	1.20	1.40	25.598	17.305	9.00	13.00	21.00	33.00	49.00	3.165	28.967	20.489	10.00	15.00	23.00	37.00	55.00
0.10	2.992	0.2594297	0.0188990	1.30	1.40	20.855	12.226	9.00	12.00	18.00	26.00	37.00	3.165	22.792	13.722	9.00	13.00	19.00	29.00	41.00
0.10	2.992	0.2594297	0.0188990	1.40	1.40	16.691	8.265	8.00	11.00	15.00	21.00	28.00	3.165	18.169	9.170	9.00	12.00	16.00	22.00	30.00
0.10	2.992	0.2594297	0.0188990	0.90	1.40	26.644	19.750	8.00	13.00	21.00	34.00	52.00	3.165	29.173	21.405	9.00	14.00	23.00	38.00	57.00
0.10	2.992	0.2594297	0.0188990	0.80	1.40	18.184	11.680	7.00	10.00	15.00	23.00	33.00	3.165	19.702	12.711	7.00	11.00	16.00	25.00	36.00
0.10	2.992	0.2594297	0.0188990	0.70	1.40	11.206	5.965	5.00	7.00	10.00	14.00	19.00	3.165	11.934	6.366	5.00	7.00	11.00	15.00	20.00
0.10	2.992	0.2594297	0.0188990	0.60	1.40	7.239	3.325	4.00	5.00	7.00	9.00	12.00	3.165	7.596	3.607	4.00	5.00	7.00	9.00	12.00
0.10	2.992	0.2594297	0.0188990	0.50	1.40	4.933	2.050	3.00	3.00	5.00	6.00	8.00	3.165	5.085	2.056	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	0.90	210.734	198.828	34.00	70.00	152.00	286.00	460.00	3.165	285.330	269.429	43.00	94.00	206.00	389.00	627.00
0.10	2.992	0.2594297	0.0188990	1.20	0.90	68.617	55.152	19.00	30.00	52.00	91.00	141.00	3.165	83.308	68.497	21.00	35.00	63.00	111.00	173.00
0.10	2.992	0.2594297	0.0188990	1.30	0.90	33.513	22.026	13.00	18.00	27.00	42.00	62.00	3.165	37.603	25.162	14.00	20.00	31.00	48.00	70.00
0.10	2.992	0.2594297	0.0188990	1.40	0.90	21.238	11.302	10.00	13.00	18.00	26.00	36.00	3.165	23.364	12.540	11.00	14.00	20.00	29.00	40.00
0.10	2.992	0.2594297	0.0188990	0.90	0.90	88.738	77.822	17.00	33.00	65.00	120.00	193.00	3.165	104.250	94.451	20.00	38.00	76.00	139.00	226.00
0.10	2.992	0.2594297	0.0188990	0.80	0.90	26.608	19.165	8.00	13.00	22.00	34.00	52.00	3.165	28.808	20.791	9.00	14.00	23.00	38.00	56.00
0.10	2.992	0.2594297	0.0188990	0.70	0.90	12.535	7.214	5.00	7.00	11.00	16.00	22.00	3.165	13.206	7.645	6.00	8.00	11.00	17.00	23.00
0.10	2.992	0.2594297	0.0188990	0.60	0.90	7.444	3.580	4.00	5.00	7.00	9.00	12.00	3.165	7.784	3.734	4.00	5.00	7.00	10.00	13.00
0.10	2.992	0.2594297	0.0188990	0.50	0.90	4.992	2.137	3.00	3.00	5.00	6.00	8.00	3.165	5.198	2.231	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	0.80	132.157	116.752	28.00	49.00	97.00	178.00	282.10	3.165	171.763	154.640	33.00	62.00	124.00	233.00	374.00
0.10	2.992	0.2594297	0.0188990	1.20	0.80	60.865	46.951	18.00	28.00	47.00	79.00	122.00	3.165	72.360	57.709	20.00	32.00	56.00	94.00	147.00
0.10	2.992	0.2594297	0.0188990	1.30	0.80	32.079	20.047	13.00	18.00	27.00	40.00	58.00	3.165	36.565	23.696	14.00	20.00	30.00	46.25	68.00
0.10	2.992	0.2594297	0.0188990	1.40	0.80	20.944	10.930	10.00	13.00	18.00	26.00	35.00	3.165	23.029	12.297	11.00	14.00	20.00	28.00	39.00
0.10	2.992	0.2594297	0.0188990	0.90	0.80	72.715	61.055	17.00	29.00	54.50	98.00	153.00	3.165	87.433	76.129	18.00	34.00	65.00	118.00	185.00
0.10	2.992	0.2594297	0.0188990	0.80	0.80	25.740	18.003	8.00	13.00	21.00	33.00	49.00	3.165	27.941	19.913	9.00	14.00	23.00	36.00	54.00
0.10	2.992	0.2594297	0.0188990	0.70	0.80	12.585	7.258	5.00	7.00	11.00	16.00	22.00	3.165	13.353	7.769	6.00	8.00	12.00	17.00	23.00
0.10	2.992	0.2594297	0.0188990	0.60	0.80	7.464	3.700	4.00	5.00	7.00	9.00	12.00	3.165	7.831	3.772	4.00	5.00	7.00	10.00	13.00
0.10	2.992	0.2594297	0.0188990	0.50	0.80	5.009	2.134	3.00	3.00	5.00	6.00	8.00	3.165	5.199	2.176	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	0.70	65.357	50.936	20.00	30.00	50.00	85.00	131.00	3.165	80.714	65.353	22.00	35.00	61.00	106.00	166.00
0.10	2.992	0.2594297	0.0188990	1.20	0.70	45.015	31.404	16.00	23.00	36.00	57.00	86.00	3.165	53.342	38.548	18.00	26.00	42.00	69.00	103.00
0.10	2.992	0.2594297	0.0188990	1.30	0.70	29.163	17.272	13.00	17.00	25.00	37.00	52.00	3.165	32.463	19.847	14.00	19.00	27.00	41.00	58.00
0.10	2.992	0.2594297	0.0188990	1.40	0.70	20.185	9.960	10.00	13.00	18.00	25.00	33.00	3.165	22.170	11.262	11.00	14.00	19.00	27.00	37.00
0.10	2.992	0.2594297	0.0188990	0.90	0.70	48.956	37.371	15.00	23.00	38.00	64.00	97.00	3.165	57.326	44.309	17.00	26.00	44.00	75.00	115.10
0.10	2.992	0.2594297	0.0188990	0.80	0.70	23.868	15.740	9.00	13.00	20.00	31.00	44.00	3.165	26.010	17.233	9.00	14.00	22.00	34.00	48.00
0.10	2.992	0.2594297	0.0188990	0.70	0.70	12.274	6.926	5.00	7.00	11.00	16.00	21.00	3.165	13.247	7.436	6.00	8.00	12.00	17.00	23.00
0.10	2.992	0.2594297	0.0188990	0.60	0.70	7.522	3.650	4.00	5.00	7.00	9.00	12.00	3.165	7.754	3.713	4.00	5.00	7.00	10.00	13.00
0.10	2.992	0.2594297	0.0188990	0.50	0.70	4.955	2.076	3.00	3.00	5.00	6.00	8.00	3.165	5.198	2.168	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	0.60	33.209	19.965	14.00	19.00	28.00	42.00	59.00	3.165	38.355	23.992	16.00	22.00	32.00	48.00	70.00
0.10	2.992	0.2594297	0.0188990	1.20	0.60	29.442	16.300	14.00	18.00	25.00	36.00	51.00	3.165	33.249	19.388	15.00	20.00	28.00	41.00	59.00
0.10	2.992	0.2594297	0.0188990	1.30	0.60	23.380	11.661	12.00	15.00	21.00	29.00	38.00	3.165	26.184	13.470	13.00	17.00	23.00	32.00	44.00
0.10	2.992	0.2594297	0.0188990	1.40	0.60	18.404	8.310	10.00	13.00	17.00	22.00	29.00	3.165	20.158	9.151	11.00	14.00	18.00	25.00	32.00
0.10	2.992	0.2594297	0.0188990	0.90	0.60	29.414	17.323	13.00	17.00	25.00	37.00	52.00	3.165	33.519	20.763	14.00	19.00	28.00	42.00	61.00
0.10	2.992	0.2594297	0.0188990	0.80	0.60	19.989	11.339	8.00	12.00	18.00	25.00	35.00	3.165	21.976	12.765	9.00	13.00	19.00	27.00	38.00
0.10	2.992	0.2594297	0.0188990	0.70	0.60	11.967	6.232	5.00	7.00	11.00	15.00	20.00	3.165	12.685	6.753	6.00	8.00	11.00	16.00	22.00
0.10	2.992	0.2594297	0.0188990	0.60	0.60	7.489	3.565	4.00	5.00	7.00	9.00	12.00	3.165	7.751	3.617	4.00	5.00	7.00	10.00	13.00
0.10	2.992	0.2594297	0.0188990	0.50	0.60	5.019	2.113	3.00	3.00	5.00	6.00	8.00	3.165	5.211	2.201	3.00	4.00	5.00	6.00	8.00
0.10	2.992	0.2594297	0.0188990	1.10	0.50	19.842	8.364	11.00	14.00	18.00	24.00	31.00	3.165	21.788	9.628	12.00	15.00	20.00	26.00	34.00
0.10	2.992	0.2594297	0.0188990	1.20	0.50	19.190	7.777	11.00	14.00	17.00	23.00	29.00	3.165	21.102	8.841	12.00	15.00	19.00	25.00	32.00
0.10	2.992	0.2594297	0.0188990	1.30	0.50	17.448	6.651	10.00	13.00	16.00	21.00	26.00	3.165	19.178	7.543	11.00	14.00	18.00	23.00	29.00
0.10	2.992	0.2594297	0.0188990	1.40	0.50	15.518	5.511	10.00	12.00	15.00	18.00	23.00	3.165	16.934	6.342	10.00	12.00	16.00	20.00	25.00
0.10	2.992	0.2594297	0.0188990	0.90	0.50	19.002	8.136	11.00	13.00	17.00	23.00	29.00	3.165	20.868	9.241	11.00	15.00	19.00	25.00	33.00
0.10	2.992	0.2594297	0.0188990	0.80	0.50	15.733	6.844	8.00	11.00	15.00	19.00	25.00	3.165	17.105	7.662	9.00	12.00	16.00	21.00	27.00
0.10	2.992	0.2594297	0.0188990	0.70	0.50	11.094	5.068	5.00	7.00	10.00	14.00	18.00	3.165	11.887	5.486	6.00	8.00	11.00	15.00	19.00

0.15	3.138	0.3220597	0.0288483	1.40	1.10	24.910	16.766	9.00	13.00	20.00	32.00	46.00	3.299	28.243	19.543	10.00	15.00	23.00	36.00	53.00
0.15	3.138	0.3220597	0.0288483	0.90	1.10	74.575	68.095	13.00	26.00	54.00	101.00	165.00	3.299	87.688	80.400	15.00	30.00	62.00	120.00	195.00
0.15	3.138	0.3220597	0.0288483	0.80	1.10	26.330	20.788	7.00	12.00	20.00	35.00	53.00	3.299	28.929	23.099	8.00	13.00	22.00	38.00	59.00
0.15	3.138	0.3220597	0.0288483	0.70	1.10	12.092	8.022	4.00	6.00	10.00	15.00	22.00	3.299	12.866	8.490	5.00	7.00	11.00	16.00	24.00
0.15	3.138	0.3220597	0.0288483	0.60	1.10	6.897	3.762	3.00	4.00	6.00	9.00	12.00	3.299	7.256	3.863	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	1.10	4.536	2.119	2.00	3.00	4.00	6.00	7.00	3.299	4.724	2.219	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	1.20	82.862	74.831	15.00	29.00	61.00	113.00	180.00	3.299	100.952	93.739	17.00	34.00	72.00	138.00	225.10
0.15	3.138	0.3220597	0.0288483	1.20	1.20	58.006	48.956	13.00	23.00	43.00	78.00	122.00	3.299	69.447	60.996	15.00	26.00	51.00	92.00	149.00
0.15	3.138	0.3220597	0.0288483	1.30	1.20	35.691	27.191	11.00	17.00	28.00	46.00	72.00	3.299	41.915	32.484	12.00	19.00	33.00	55.00	84.00
0.15	3.138	0.3220597	0.0288483	1.40	1.20	22.907	14.871	9.00	12.00	19.00	29.00	42.00	3.299	26.481	17.705	10.00	14.00	21.00	34.00	50.00
0.15	3.138	0.3220597	0.0288483	0.90	1.20	52.672	45.970	11.00	20.00	39.00	70.25	113.00	3.299	61.564	53.630	12.90	23.00	46.00	83.00	132.00
0.15	3.138	0.3220597	0.0288483	0.80	1.20	23.515	17.825	7.00	11.00	18.00	31.00	47.00	3.299	25.930	20.290	7.00	12.00	20.00	34.00	52.00
0.15	3.138	0.3220597	0.0288483	0.70	1.20	11.735	7.695	4.00	6.00	10.00	15.00	22.00	3.299	12.407	7.911	5.00	7.00	10.00	16.00	23.00
0.15	3.138	0.3220597	0.0288483	0.60	1.20	6.909	3.691	3.00	4.00	6.00	9.00	12.00	3.299	7.199	3.853	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	1.20	4.523	2.085	2.00	3.00	4.00	6.00	7.00	3.299	4.702	2.202	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	1.30	47.306	40.576	10.00	18.00	35.00	63.00	101.00	3.299	54.393	47.406	11.00	21.00	40.50	72.00	117.00
0.15	3.138	0.3220597	0.0288483	1.20	1.30	39.129	32.063	10.00	16.00	29.00	53.00	82.00	3.299	44.950	37.564	11.00	19.00	34.00	59.00	94.00
0.15	3.138	0.3220597	0.0288483	1.30	1.30	28.475	20.605	9.00	14.00	23.00	37.00	56.00	3.299	32.819	24.813	10.00	15.75	26.00	43.00	65.00
0.15	3.138	0.3220597	0.0288483	1.40	1.30	20.564	13.033	8.00	11.00	17.00	26.00	38.00	3.299	22.982	15.025	9.00	12.00	19.00	29.00	42.00
0.15	3.138	0.3220597	0.0288483	0.90	1.30	36.371	30.397	9.00	15.00	27.00	49.00	75.00	3.299	41.815	35.557	10.00	17.00	31.00	55.00	88.00
0.15	3.138	0.3220597	0.0288483	0.80	1.30	20.786	15.283	7.00	10.00	17.00	27.00	41.00	3.299	22.539	16.748	7.00	11.00	18.00	29.00	44.00
0.15	3.138	0.3220597	0.0288483	0.70	1.30	11.251	6.987	4.00	6.00	9.00	14.00	20.00	3.299	11.982	7.484	5.00	7.00	10.00	15.00	22.00
0.15	3.138	0.3220597	0.0288483	0.60	1.30	6.795	3.553	3.00	4.00	6.00	9.00	11.00	3.299	7.116	3.777	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	1.30	4.561	2.102	2.00	3.00	4.00	6.00	7.00	3.299	4.701	2.177	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	1.40	30.900	25.211	8.00	13.00	24.00	41.00	64.00	3.299	34.989	28.616	9.00	15.00	27.00	46.00	72.00
0.15	3.138	0.3220597	0.0288483	1.20	1.40	28.335	22.093	8.00	13.00	22.00	37.00	58.00	3.299	31.507	24.775	9.00	14.00	24.00	42.00	64.00
0.15	3.138	0.3220597	0.0288483	1.30	1.40	22.982	16.171	8.00	12.00	19.00	30.00	44.00	3.299	25.761	18.705	8.00	13.00	21.00	33.00	50.00
0.15	3.138	0.3220597	0.0288483	1.40	1.40	17.885	11.072	7.00	10.00	15.00	22.00	32.00	3.299	19.971	12.497	8.00	11.00	17.00	25.00	36.00
0.15	3.138	0.3220597	0.0288483	0.90	1.40	26.663	20.842	7.00	12.00	21.00	35.00	54.00	3.299	29.904	23.802	8.00	13.00	23.00	39.00	61.00
0.15	3.138	0.3220597	0.0288483	0.80	1.40	17.771	12.541	6.00	9.00	15.00	23.00	34.00	3.299	19.434	13.975	6.00	10.00	16.00	25.00	38.00
0.15	3.138	0.3220597	0.0288483	0.70	1.40	10.645	6.390	4.00	6.00	9.00	13.00	19.00	3.299	11.242	6.961	4.00	6.00	10.00	14.00	20.00
0.15	3.138	0.3220597	0.0288483	0.60	1.40	6.678	3.465	3.00	4.00	6.00	8.00	11.00	3.299	7.000	3.639	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	1.40	4.487	2.082	2.00	3.00	4.00	5.00	7.00	3.299	4.659	2.133	2.00	3.00	4.00	6.00	7.00
0.15	3.138	0.3220597	0.0288483	1.10	0.90	369.304	358.562	48.00	112.00	257.00	509.00	843.00	3.299	536.546	525.427	69.00	162.00	373.00	740.25	1229.00
0.15	3.138	0.3220597	0.0288483	1.20	0.90	112.862	102.841	21.00	40.00	81.00	152.00	246.00	3.299	148.598	140.237	25.00	51.00	106.00	200.00	327.00
0.15	3.138	0.3220597	0.0288483	1.30	0.90	46.613	37.659	13.00	20.00	35.00	61.00	96.00	3.299	55.815	45.516	15.00	24.00	42.00	73.00	115.00
0.15	3.138	0.3220597	0.0288483	1.40	0.90	26.248	17.497	10.00	14.00	21.00	33.00	48.00	3.299	30.058	20.789	11.00	15.00	24.00	39.00	57.00
0.15	3.138	0.3220597	0.0288483	0.90	0.90	98.779	93.901	16.00	33.00	70.00	133.00	223.00	3.299	114.580	107.402	18.00	38.00	82.00	156.00	254.00
0.15	3.138	0.3220597	0.0288483	0.80	0.90	27.104	21.722	7.00	12.00	21.00	36.00	55.00	3.299	30.438	24.566	8.00	13.00	23.00	40.00	63.00
0.15	3.138	0.3220597	0.0288483	0.70	0.90	12.205	8.036	5.00	7.00	10.00	16.00	23.00	3.299	12.946	8.532	5.00	7.00	11.00	17.00	24.00
0.15	3.138	0.3220597	0.0288483	0.60	0.90	6.990	3.818	3.00	4.00	6.00	9.00	12.00	3.299	7.219	3.926	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	0.90	4.555	2.135	2.00	3.00	4.00	6.00	7.00	3.299	4.715	2.182	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	0.80	253.801	244.058	37.00	83.00	177.00	346.00	570.00	3.299	362.120	354.071	49.00	113.00	252.00	496.25	812.00
0.15	3.138	0.3220597	0.0288483	1.20	0.80	100.862	89.051	20.00	37.00	73.00	137.00	218.00	3.299	132.450	122.643	24.00	47.00	94.00	177.00	290.00
0.15	3.138	0.3220597	0.0288483	1.30	0.80	45.201	34.863	13.00	21.00	35.00	60.00	92.00	3.299	54.213	43.895	15.00	23.75	41.00	70.00	112.00
0.15	3.138	0.3220597	0.0288483	1.40	0.80	25.854	16.806	10.00	14.00	21.00	33.00	48.00	3.299	29.593	20.108	11.00	16.00	24.00	38.00	56.00
0.15	3.138	0.3220597	0.0288483	0.90	0.80	87.023	79.999	15.00	30.00	62.00	119.00	191.00	3.299	104.522	97.470	17.00	34.00	74.00	145.00	233.10
0.15	3.138	0.3220597	0.0288483	0.80	0.80	27.360	21.825	7.00	12.00	21.00	36.00	56.10	3.299	30.071	24.112	8.00	13.00	23.00	39.00	62.00
0.15	3.138	0.3220597	0.0288483	0.70	0.80	12.227	7.982	4.00	7.00	10.00	16.00	23.00	3.299	12.934	8.430	5.00	7.00	11.00	16.00	24.00
0.15	3.138	0.3220597	0.0288483	0.60	0.80	6.996	3.867	3.00	4.00	6.00	9.00	12.00	3.299	7.253	3.954	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	0.80	4.533	2.128	2.00	3.00	4.00	6.00	7.00	3.299	4.702	2.190	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	0.70	130.030	118.251	25.00	47.00	95.00	175.00	281.00	3.299	177.516	164.090	29.00	60.00	129.00	244.00	392.00
0.15	3.138	0.3220597	0.0288483	1.20	0.70	76.030	64.513	18.00	30.00	57.00	101.25	160.00	3.299	97.508	84.503	21.00	37.00	72.00	132.00	208.10
0.15	3.138	0.3220597	0.0288483	1.30	0.70	40.288	29.784	13.00	19.00	32.00	52.00	79.00	3.299	48.994	38.252	14.00	22.00	38.00	63.00	100.00
0.15	3.138	0.3220597	0.0288483	1.40	0.70	24.999	16.009	10.00	14.00	21.00	31.00	46.00	3.299	28.411	18.561	11.00	15.00	23.00	36.00	53.00
0.15	3.138	0.3220597	0.0288483	0.90	0.70	68.381	59.162	14.00	26.00	51.00	92.00	146.00	3.299	83.304	74.					

0.15	3.138	0.3220597	0.0288483	1.30	0.60	32.249	21.660	12.00	17.00	26.00	41.00	60.00	3.299	38.683	27.255	13.00	19.00	31.00	50.00	75.00
0.15	3.138	0.3220597	0.0288483	1.40	0.60	22.688	13.510	10.00	13.00	19.00	28.00	41.00	3.299	25.446	15.929	10.00	14.00	21.00	32.00	46.00
0.15	3.138	0.3220597	0.0288483	0.90	0.60	42.894	33.185	13.00	20.00	33.00	55.00	86.00	3.299	52.573	42.984	14.00	22.00	40.00	69.00	109.00
0.15	3.138	0.3220597	0.0288483	0.80	0.60	22.458	15.577	7.00	11.00	18.00	29.00	43.00	3.299	25.245	18.260	8.00	13.00	20.00	33.00	50.00
0.15	3.138	0.3220597	0.0288483	0.70	0.60	11.859	7.401	5.00	7.00	10.00	15.00	21.00	3.299	12.471	7.801	5.00	7.00	11.00	16.00	23.00
0.15	3.138	0.3220597	0.0288483	0.60	0.60	6.896	3.731	3.00	4.00	6.00	9.00	12.00	3.299	7.282	3.937	3.00	4.00	6.00	9.00	13.00
0.15	3.138	0.3220597	0.0288483	0.50	0.60	4.567	2.168	2.00	3.00	4.00	6.00	7.00	3.299	4.684	2.188	2.00	3.00	4.00	6.00	8.00
0.15	3.138	0.3220597	0.0288483	1.10	0.50	27.578	16.511	12.00	16.00	23.00	35.00	49.00	3.299	32.086	20.431	13.00	18.00	26.00	40.00	59.00
0.15	3.138	0.3220597	0.0288483	1.20	0.50	25.625	14.919	11.00	15.00	22.00	32.00	45.00	3.299	30.027	18.493	13.00	17.00	25.00	37.00	55.00
0.15	3.138	0.3220597	0.0288483	1.30	0.50	22.501	12.335	11.00	14.00	19.00	28.00	39.00	3.299	25.889	15.096	12.00	15.00	22.00	32.00	46.00
0.15	3.138	0.3220597	0.0288483	1.40	0.50	18.354	9.202	9.00	12.00	16.00	23.00	31.00	3.299	20.701	11.016	10.00	13.00	18.00	25.00	35.00
0.15	3.138	0.3220597	0.0288483	0.90	0.50	24.831	15.158	11.00	14.00	21.00	31.00	45.00	3.299	28.236	17.872	11.00	16.00	23.00	36.00	52.00
0.15	3.138	0.3220597	0.0288483	0.80	0.50	17.808	10.533	7.00	11.00	15.00	22.00	31.00	3.299	19.772	12.046	8.00	12.00	17.00	25.00	35.00
0.15	3.138	0.3220597	0.0288483	0.70	0.50	11.138	6.227	5.00	7.00	10.00	14.00	19.00	3.299	11.904	6.832	5.00	7.00	10.00	15.00	21.00
0.15	3.138	0.3220597	0.0288483	0.60	0.50	6.825	3.553	3.00	4.00	6.00	9.00	12.00	3.299	7.135	3.705	3.00	4.00	6.00	9.00	12.00
0.15	3.138	0.3220597	0.0288483	0.50	0.50	4.523	2.112	2.00	3.00	4.00	6.00	7.00	3.299	4.695	2.195	2.00	3.00	4.00	6.00	8.00