

Typical Scoring Distributions of Disc Golf Scores

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This paper develops a model set of disc golf distributions. These can be used when the average score is known, but the individual scores are not known. For example: When a hole is being lengthened the increase in average score is quite predictable, but the resulting frequency of each score is unknown. Assuming that the resulting distribution is typical, or assuming that the change in actual distribution will be like the change in typical distributions, can give an estimate of the resulting distribution.

Disc golf holes are extremely variable, so these distributions will likely not represent any particular hole accurately. They should be thought of as patterns that are farthest from the fringes.

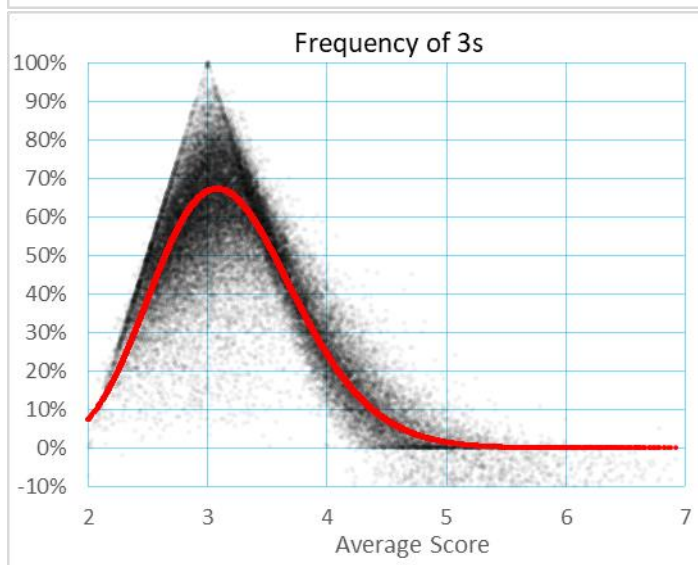
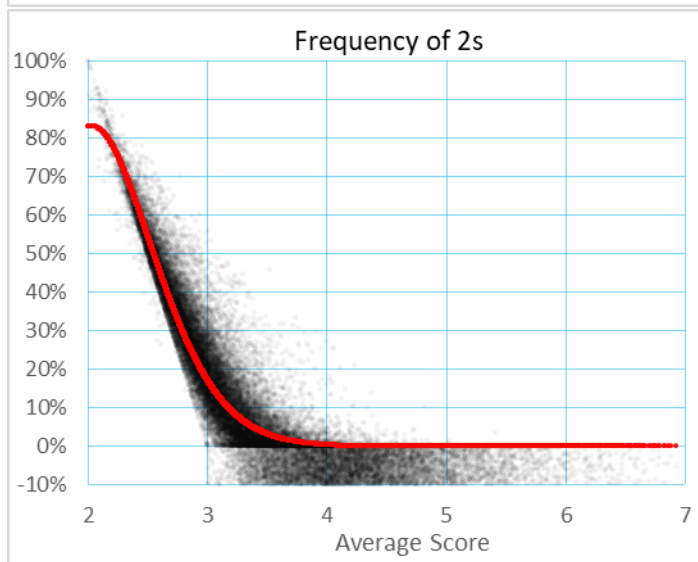
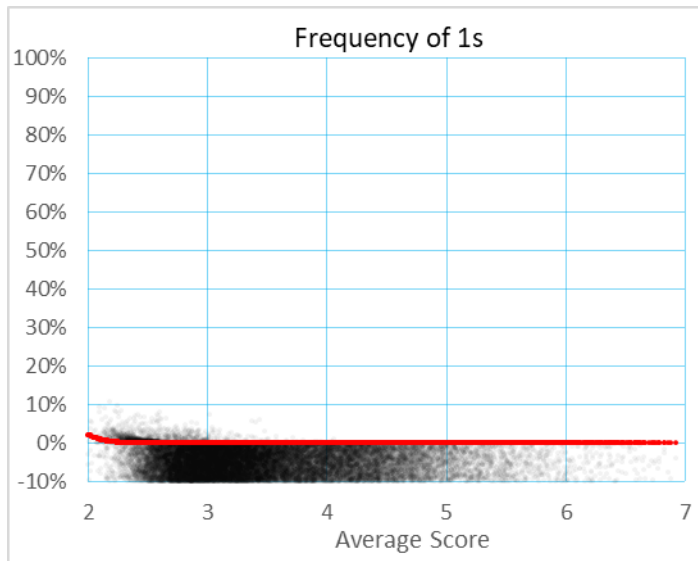
The model is based on 40,450 scoring distributions across a range of ratings. Each distribution is representative of what players of a particular rating would get.

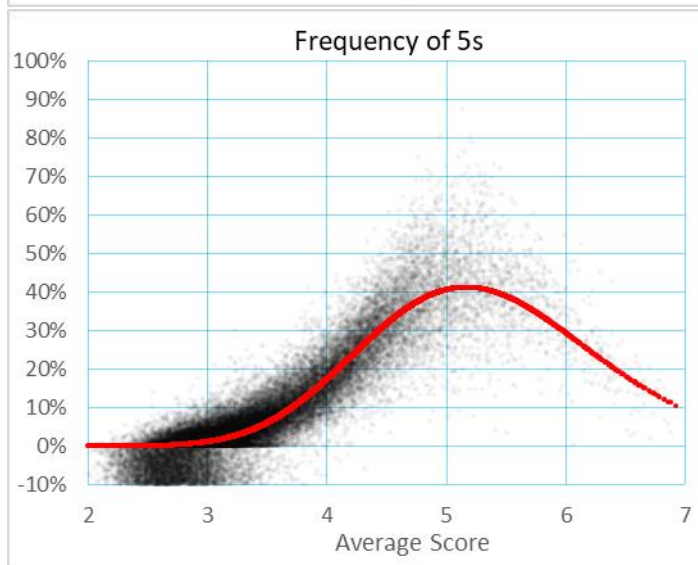
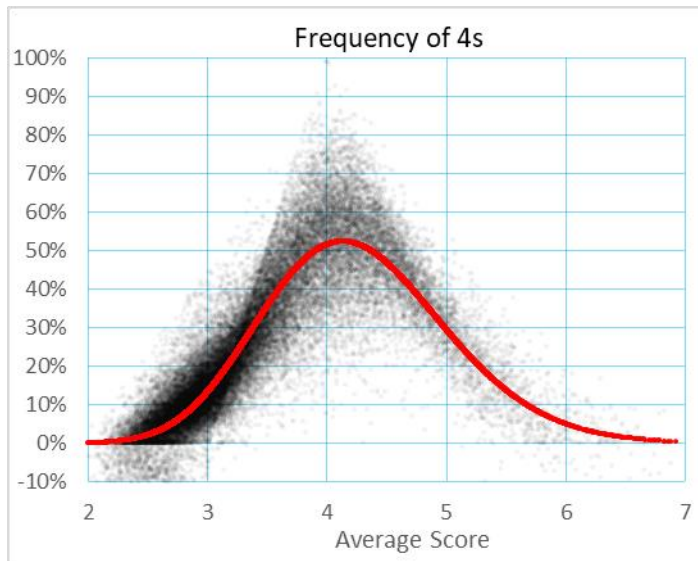
These can also be used for scoring distributions for a group of players, if the group of players does not represent multiple distinct sets of skill levels.

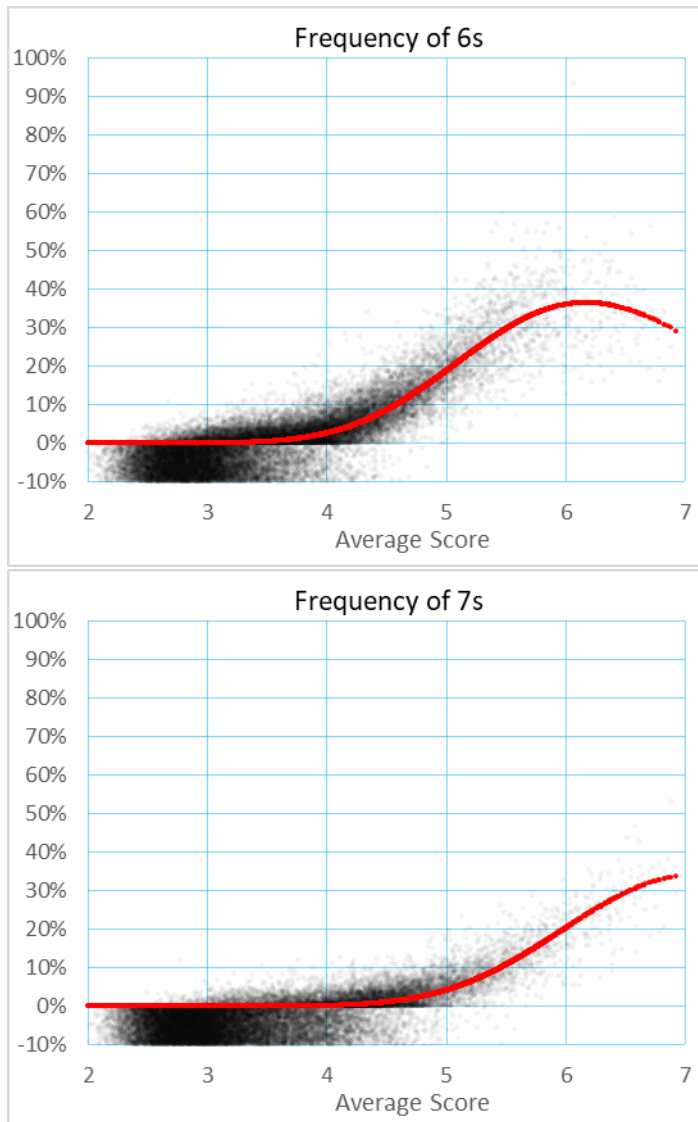
The model is based on the frequency of each particular score for any given average score. For example, it is no surprise that a hole which averages, say, 2.88 will have a lot of scores of 3. Conversely, a hole that averages, say, 5.41 will not have many scores of 2.

For each score, I solved for the gamma distribution which best fit the actual frequencies of that score across all average scores. The charts below show the actual frequencies (gray dots) and the gamma-based model frequencies (red dotted line).

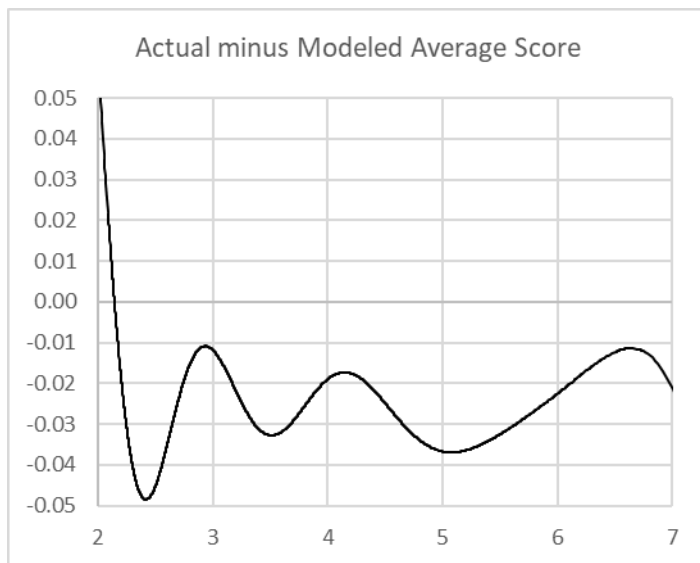
[For better visualization, the dots that are scattered below the x-axis represent a frequency of 0%.]





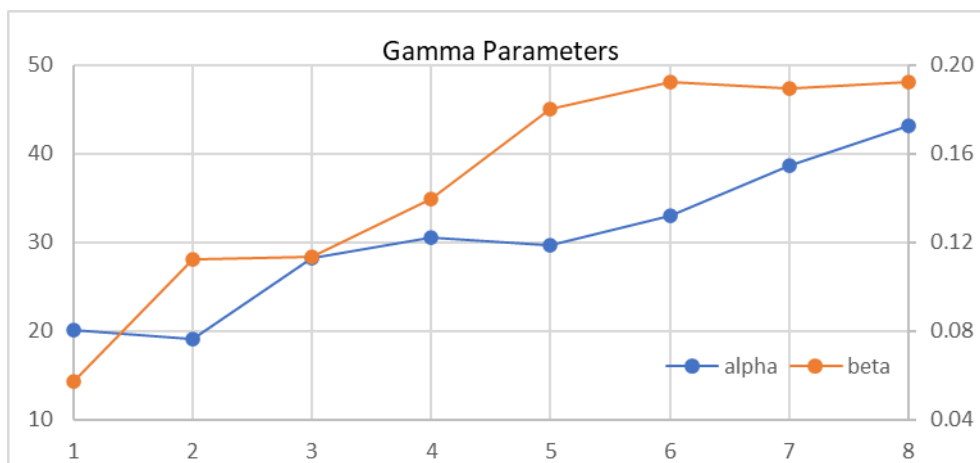


Because each score's frequency is modeled independently, the sum of the model frequencies is not guaranteed to add up to 100%. Even after the frequencies are normalized to add up to 100%, the product of the normalized modeled frequencies times the scores does not exactly match the actual average score.



To get a set of distributions that always add up to the targeted average score, we can adjust the input to the gamma function (average score x-values) by a little bit.

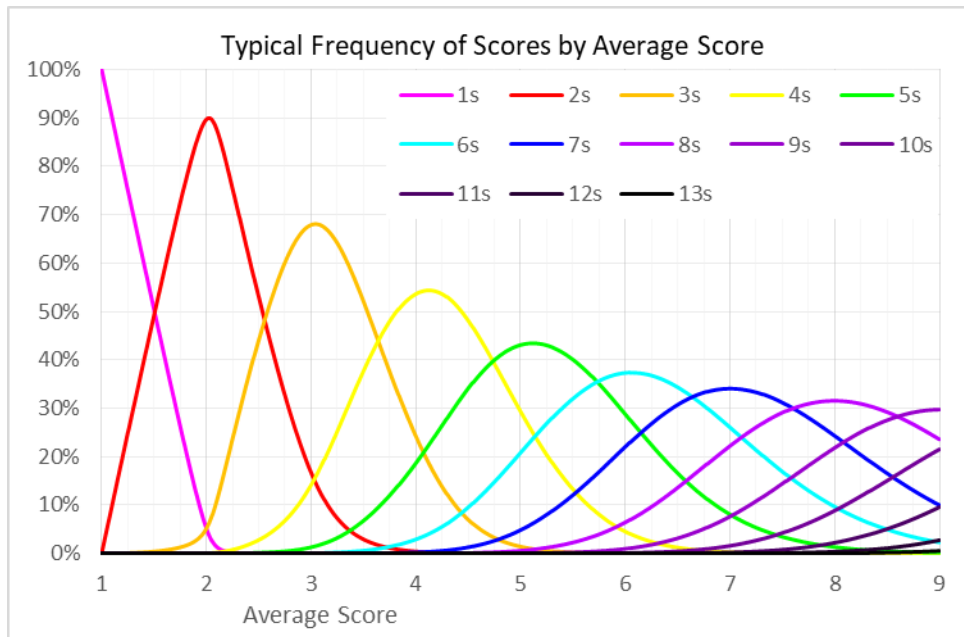
It would be nice to have typical distributions for higher average scores, but there just aren't many holes that have high average scores, even at the lowest skill levels which play tournaments. Fortunately, it looks like the parameters of the model can be extrapolated.



By assuming the alpha parameter continues to go up linearly and the beta parameter levels off, we should get reasonable distributions for average scores up to 9.00.

As long as we're making hand-adjustments, we can drop any frequencies which are less than 0.01%.

So, with the extrapolated gamma parameters and tweaked x-values, we get the following frequencies by average score.



With all this hand-adjustment, the best way to present the values is a simple table.

Ave	1s	2s	3s	4s	5s	6s	7s	8s	9s	10s	11s	12s	13s
1	1.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.01	.9900	.0100	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.02	.9800	.0200	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.03	.9700	.0300	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.04	.9600	.0400	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.05	.9500	.0500	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.06	.9400	.0600	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.07	.9300	.0700	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.08	.9200	.0800	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.09	.9100	.0900	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.1	.9000	.1000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.11	.8900	.1100	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.12	.8800	.1200	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.13	.8700	.1300	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.14	.8600	.1400	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.15	.8500	.1500	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.16	.8400	.1600	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.17	.8300	.1700	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.18	.8200	.1800	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.19	.8100	.1900	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.2	.8000	.2000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.21	.7900	.2100	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.22	.7800	.2200	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.23	.7700	.2300	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.24	.7600	.2400	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.25	.7500	.2500	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.26	.7409	.2582	.0009	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.27	.7310	.2680	.0010	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.28	.7211	.2779	.0011	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.29	.7112	.2877	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.3	.7012	.2975	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.31	.6913	.3073	.0013	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.32	.6814	.3171	.0014	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.33	.6715	.3269	.0015	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.34	.6616	.3367	.0016	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.35	.6517	.3465	.0017	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.36	.6419	.3563	.0019	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.37	.6320	.3661	.0020	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.38	.6221	.3758	.0021	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.39	.6122	.3856	.0022	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.4	.6024	.3953	.0024	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.41	.5925	.4050	.0025	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.42	.5826	.4147	.0026	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.43	.5728	.4244	.0028	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.44	.5629	.4341	.0029	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.45	.5531	.4438	.0031	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.46	.5433	.4535	.0033	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.47	.5334	.4631	.0034	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.48	.5236	.4728	.0036	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.49	.5138	.4824	.0038	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.5	.5040	.4920	.0040	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.51	.4942	.5016	.0042	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.52	.4844	.5112	.0044	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.53	.4746	.5208	.0046	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.54	.4648	.5303	.0048	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.55	.4551	.5399	.0051	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.56	.4453	.5494	.0053	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.57	.4356	.5589	.0056	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.58	.4258	.5684	.0058	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.59	.4161	.5778	.0061	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.6	.4064	.5872	.0064	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.61	.3967	.5967	.0067	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.62	.3870	.6060	.0070	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.63	.3773	.6154	.0073	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.64	.3676	.6247	.0076	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.65	.3580	.6340	.0080	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.66	.3484	.6433	.0084	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.67	.3387	.6525	.0087	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.68	.3291	.6617	.0091	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.69	.3195	.6709	.0095	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

1.7	.3100	.6800	.0100	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.71	.3004	.6891	.0104	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.72	.2909	.6981	.0109	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.73	.2814	.7071	.0114	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.74	.2720	.7161	.0120	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.75	.2625	.7250	.0125	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.76	.2531	.7338	.0131	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.77	.2437	.7425	.0137	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.78	.2344	.7512	.0144	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.79	.2251	.7598	.0151	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.8	.2158	.7684	.0158	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.81	.2066	.7768	.0166	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.82	.1974	.7851	.0174	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.83	.1883	.7934	.0183	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.84	.1793	.8015	.0193	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.85	.1703	.8095	.0203	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.86	.1613	.8173	.0213	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.87	.1525	.8250	.0225	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.88	.1438	.8325	.0238	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.89	.1351	.8398	.0251	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.9	.1266	.8469	.0266	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.91	.1182	.8537	.0282	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.92	.1099	.8602	.0299	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.93	.1018	.8665	.0318	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.94	.0938	.8723	.0338	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.95	.0861	.8778	.0361	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.96	.0786	.8828	.0386	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.97	.0713	.8873	.0413	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.98	.0644	.8913	.0444	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.99	.0577	.8945	.0477	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	.0514	.8971	.0514	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.01	.0456	.8989	.0556	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.02	.0401	.8998	.0601	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.03	.0351	.8999	.0651	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.04	.0305	.8990	.0705	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.05	.0264	.8971	.0764	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.06	.0236	.8940	.0812	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.07	.0204	.8905	.0877	.0013	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.08	.0176	.8862	.0946	.0015	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.09	.0152	.8812	.1018	.0017	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.1	.0132	.8756	.1093	.0019	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.11	.0114	.8693	.1171	.0022	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.12	.0099	.8626	.1251	.0024	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.13	.0086	.8555	.1332	.0027	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.14	.0075	.8480	.1415	.0030	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.15	.0066	.8402	.1500	.0033	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.16	.0058	.8321	.1585	.0036	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.17	.0051	.8239	.1671	.0040	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.18	.0045	.8154	.1757	.0044	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.19	.0040	.8069	.1844	.0048	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.2	.0035	.7982	.1931	.0052	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.21	.0031	.7894	.2018	.0056	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.22	.0028	.7806	.2106	.0061	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.23	.0025	.7716	.2193	.0066	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.24	.0022	.7626	.2281	.0071	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.25	.0020	.7536	.2368	.0076	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.26	.0018	.7446	.2455	.0081	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.27	.0016	.7355	.2542	.0087	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.28	.0014	.7264	.2629	.0093	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.29	.0013	.7173	.2716	.0099	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.3	.0012	.7082	.2802	.0105	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.31	.0011	.6990	.2888	.0111	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.32	.0000	.6917	.2965	.0117	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.33	.0000	.6824	.3052	.0124	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.34	.0000	.6731	.3137	.0131	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.35	.0000	.6639	.3222	.0139	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.36	.0000	.6546	.3307	.0146	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.37	.0000	.6454	.3391	.0154	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.38	.0000	.6362	.3475	.0162	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.39	.0000	.6271	.3558	.0171	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.4	.0000	.6179	.3641	.0179	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

2.41	.0000	.6088	.3723	.0188	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.42	.0000	.5997	.3805	.0197	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.43	.0000	.5907	.3886	.0207	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.44	.0000	.5817	.3967	.0217	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.45	.0000	.5728	.4036	.0225	.0010	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.46	.0000	.5656	.4100	.0234	.0011	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.47	.0000	.5567	.4177	.0244	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.48	.0000	.5479	.4254	.0255	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.49	.0000	.5391	.4330	.0266	.0013	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.5	.0000	.5304	.4406	.0277	.0014	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.51	.0000	.5217	.4481	.0288	.0014	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.52	.0000	.5130	.4555	.0300	.0015	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.53	.0000	.5044	.4628	.0312	.0016	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.54	.0000	.4958	.4701	.0325	.0017	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.55	.0000	.4873	.4772	.0337	.0018	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.56	.0000	.4787	.4844	.0351	.0018	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.57	.0000	.4703	.4914	.0364	.0019	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.58	.0000	.4619	.4983	.0378	.0020	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.59	.0000	.4535	.5052	.0392	.0021	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.6	.0000	.4451	.5119	.0407	.0022	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.61	.0000	.4369	.5186	.0422	.0023	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.62	.0000	.4286	.5252	.0437	.0025	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.63	.0000	.4204	.5317	.0453	.0026	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.64	.0000	.4123	.5381	.0469	.0027	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.65	.0000	.4042	.5444	.0486	.0028	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.66	.0000	.3962	.5506	.0503	.0030	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.67	.0000	.3882	.5567	.0520	.0031	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.68	.0000	.3803	.5626	.0538	.0032	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.69	.0000	.3724	.5685	.0557	.0034	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.7	.0000	.3646	.5743	.0575	.0035	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.71	.0000	.3569	.5799	.0595	.0037	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.72	.0000	.3492	.5854	.0615	.0039	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.73	.0000	.3416	.5908	.0635	.0041	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.74	.0000	.3341	.5961	.0656	.0042	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.75	.0000	.3266	.6012	.0677	.0044	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.76	.0000	.3192	.6062	.0699	.0046	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.77	.0000	.3119	.6111	.0722	.0048	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.78	.0000	.3046	.6159	.0745	.0050	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.79	.0000	.2974	.6205	.0769	.0053	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.8	.0000	.2903	.6249	.0793	.0055	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.81	.0000	.2833	.6292	.0818	.0057	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.82	.0000	.2763	.6334	.0843	.0060	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.83	.0000	.2694	.6374	.0869	.0063	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.84	.0000	.2626	.6412	.0896	.0065	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.85	.0000	.2559	.6449	.0923	.0068	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.86	.0000	.2493	.6485	.0951	.0071	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.87	.0000	.2428	.6518	.0980	.0074	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.88	.0000	.2364	.6550	.1009	.0077	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.89	.0000	.2300	.6580	.1039	.0081	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.9	.0000	.2238	.6608	.1069	.0084	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.91	.0000	.2176	.6635	.1101	.0088	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.92	.0000	.2116	.6660	.1133	.0092	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.93	.0000	.2056	.6683	.1166	.0095	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.94	.0000	.1998	.6704	.1199	.0099	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.95	.0000	.1940	.6723	.1233	.0104	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.96	.0000	.1884	.6740	.1268	.0108	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.97	.0000	.1828	.6756	.1303	.0112	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.98	.0000	.1774	.6769	.1340	.0117	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.99	.0000	.1721	.6780	.1377	.0122	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3	.0000	.1669	.6790	.1414	.0127	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.01	.0000	.1618	.6797	.1453	.0132	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.02	.0000	.1568	.6803	.1492	.0138	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.03	.0000	.1519	.6806	.1532	.0143	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.04	.0000	.1471	.6808	.1572	.0149	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.05	.0000	.1424	.6807	.1613	.0155	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.06	.0000	.1378	.6805	.1655	.0162	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.07	.0000	.1334	.6800	.1698	.0168	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.08	.0000	.1290	.6794	.1741	.0175	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.09	.0000	.1248	.6786	.1785	.0182	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.1	.0000	.1207	.6775	.1829	.0189	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.11	.0000	.1167	.6763	.1874	.0196	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

3.12	.0000	.1128	.6749	.1920	.0204	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.13	.0000	.1100	.6731	.1950	.0209	.0010	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.14	.0000	.1063	.6713	.1996	.0217	.0011	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.15	.0000	.1027	.6694	.2042	.0225	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.16	.0000	.0992	.6673	.2089	.0234	.0012	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.17	.0000	.0959	.6650	.2136	.0242	.0013	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.18	.0000	.0926	.6626	.2183	.0251	.0014	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.19	.0000	.0894	.6600	.2231	.0260	.0014	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.2	.0000	.0864	.6572	.2279	.0270	.0015	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.21	.0000	.0834	.6543	.2328	.0279	.0016	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.22	.0000	.0805	.6512	.2377	.0289	.0017	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.23	.0000	.0777	.6480	.2426	.0299	.0017	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.24	.0000	.0750	.6447	.2475	.0310	.0018	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.25	.0000	.0724	.6411	.2525	.0321	.0019	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.26	.0000	.0698	.6375	.2575	.0332	.0020	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.27	.0000	.0674	.6337	.2625	.0343	.0021	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.28	.0000	.0650	.6298	.2675	.0354	.0022	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.29	.0000	.0627	.6258	.2726	.0366	.0023	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.3	.0000	.0605	.6217	.2776	.0378	.0024	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.31	.0000	.0583	.6174	.2827	.0390	.0025	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.32	.0000	.0563	.6131	.2877	.0403	.0027	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.33	.0000	.0543	.6086	.2928	.0416	.0028	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.34	.0000	.0523	.6040	.2978	.0429	.0029	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.35	.0000	.0505	.5994	.3029	.0442	.0030	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.36	.0000	.0487	.5946	.3080	.0456	.0032	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.37	.0000	.0469	.5898	.3130	.0470	.0033	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.38	.0000	.0452	.5849	.3180	.0484	.0035	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.39	.0000	.0436	.5799	.3231	.0498	.0036	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.4	.0000	.0420	.5748	.3281	.0513	.0038	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.41	.0000	.0405	.5697	.3331	.0528	.0040	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.42	.0000	.0391	.5645	.3380	.0543	.0041	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.43	.0000	.0376	.5592	.3430	.0559	.0043	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.44	.0000	.0363	.5539	.3479	.0575	.0045	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.45	.0000	.0350	.5485	.3528	.0591	.0047	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.46	.0000	.0337	.5430	.3577	.0607	.0049	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.47	.0000	.0325	.5375	.3626	.0624	.0051	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.48	.0000	.0313	.5320	.3674	.0640	.0053	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.49	.0000	.0301	.5264	.3722	.0658	.0055	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.5	.0000	.0290	.5208	.3769	.0675	.0057	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.51	.0000	.0280	.5152	.3817	.0693	.0059	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.52	.0000	.0270	.5095	.3863	.0711	.0062	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.53	.0000	.0260	.5038	.3910	.0729	.0064	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.54	.0000	.0250	.4980	.3956	.0748	.0066	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.55	.0000	.0241	.4923	.4001	.0766	.0069	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.56	.0000	.0232	.4865	.4046	.0785	.0072	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.57	.0000	.0223	.4807	.4091	.0805	.0074	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.58	.0000	.0215	.4748	.4135	.0824	.0077	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.59	.0000	.0207	.4690	.4179	.0844	.0080	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.6	.0000	.0199	.4631	.4222	.0864	.0083	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.61	.0000	.0192	.4573	.4265	.0885	.0086	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.62	.0000	.0185	.4514	.4307	.0905	.0089	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.63	.0000	.0178	.4455	.4348	.0926	.0092	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.64	.0000	.0171	.4396	.4389	.0948	.0096	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.65	.0000	.0165	.4338	.4429	.0969	.0099	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.66	.0000	.0159	.4279	.4469	.0991	.0103	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.67	.0000	.0153	.4220	.4508	.1013	.0106	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.68	.0000	.0147	.4161	.4547	.1035	.0110	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.69	.0000	.0141	.4103	.4585	.1058	.0114	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.7	.0000	.0136	.4044	.4622	.1081	.0117	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.71	.0000	.0131	.3985	.4659	.1104	.0121	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.72	.0000	.0126	.3927	.4695	.1127	.0126	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.73	.0000	.0121	.3869	.4730	.1151	.0130	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.74	.0000	.0116	.3811	.4764	.1175	.0134	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.75	.0000	.0112	.3753	.4798	.1199	.0139	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.76	.0000	.0107	.3695	.4831	.1223	.0143	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.77	.0000	.0103	.3637	.4864	.1248	.0148	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.78	.0000	.0099	.3580	.4895	.1273	.0153	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.79	.0000	.0095	.3523	.4926	.1298	.0157	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.8	.0000	.0091	.3466	.4956	.1324	.0163	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.81	.0000	.0088	.3409	.4986	.1350	.0168	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.82	.0000	.0084	.3353	.5014	.1376	.0173	.0000	.0000	.0000	.0000	.0000	.0000	.0000

3.83	.0000	.0081	.3297	.5042	.1402	.0178	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3.84	.0000	.0079	.3256	.5054	.1418	.0182	.0011	.0000	.0000	.0000	.0000	.0000	.0000
3.85	.0000	.0076	.3201	.5080	.1444	.0188	.0011	.0000	.0000	.0000	.0000	.0000	.0000
3.86	.0000	.0073	.3147	.5105	.1471	.0193	.0012	.0000	.0000	.0000	.0000	.0000	.0000
3.87	.0000	.0070	.3093	.5129	.1497	.0199	.0012	.0000	.0000	.0000	.0000	.0000	.0000
3.88	.0000	.0067	.3039	.5152	.1524	.0205	.0013	.0000	.0000	.0000	.0000	.0000	.0000
3.89	.0000	.0064	.2985	.5175	.1552	.0211	.0013	.0000	.0000	.0000	.0000	.0000	.0000
3.9	.0000	.0062	.2932	.5196	.1579	.0218	.0014	.0000	.0000	.0000	.0000	.0000	.0000
3.91	.0000	.0059	.2879	.5217	.1607	.0224	.0014	.0000	.0000	.0000	.0000	.0000	.0000
3.92	.0000	.0057	.2827	.5237	.1634	.0231	.0015	.0000	.0000	.0000	.0000	.0000	.0000
3.93	.0000	.0054	.2775	.5255	.1662	.0237	.0015	.0000	.0000	.0000	.0000	.0000	.0000
3.94	.0000	.0052	.2723	.5273	.1691	.0244	.0016	.0000	.0000	.0000	.0000	.0000	.0000
3.95	.0000	.0050	.2672	.5290	.1719	.0251	.0017	.0000	.0000	.0000	.0000	.0000	.0000
3.96	.0000	.0048	.2622	.5306	.1748	.0259	.0018	.0000	.0000	.0000	.0000	.0000	.0000
3.97	.0000	.0046	.2572	.5322	.1777	.0266	.0018	.0000	.0000	.0000	.0000	.0000	.0000
3.98	.0000	.0044	.2522	.5336	.1806	.0274	.0019	.0000	.0000	.0000	.0000	.0000	.0000
3.99	.0000	.0042	.2473	.5349	.1835	.0281	.0020	.0000	.0000	.0000	.0000	.0000	.0000
4	.0000	.0040	.2424	.5362	.1864	.0289	.0021	.0000	.0000	.0000	.0000	.0000	.0000
4.01	.0000	.0039	.2375	.5373	.1894	.0297	.0021	.0000	.0000	.0000	.0000	.0000	.0000
4.02	.0000	.0037	.2328	.5384	.1924	.0306	.0022	.0000	.0000	.0000	.0000	.0000	.0000
4.03	.0000	.0035	.2280	.5393	.1954	.0314	.0023	.0000	.0000	.0000	.0000	.0000	.0000
4.04	.0000	.0034	.2234	.5402	.1984	.0323	.0024	.0000	.0000	.0000	.0000	.0000	.0000
4.05	.0000	.0033	.2187	.5410	.2014	.0331	.0025	.0000	.0000	.0000	.0000	.0000	.0000
4.06	.0000	.0031	.2142	.5416	.2044	.0340	.0026	.0000	.0000	.0000	.0000	.0000	.0000
4.07	.0000	.0030	.2096	.5422	.2075	.0350	.0027	.0000	.0000	.0000	.0000	.0000	.0000
4.08	.0000	.0028	.2052	.5427	.2106	.0359	.0028	.0000	.0000	.0000	.0000	.0000	.0000
4.09	.0000	.0027	.2008	.5431	.2136	.0369	.0030	.0000	.0000	.0000	.0000	.0000	.0000
4.1	.0000	.0026	.1964	.5434	.2167	.0378	.0031	.0000	.0000	.0000	.0000	.0000	.0000
4.11	.0000	.0025	.1921	.5436	.2198	.0388	.0032	.0000	.0000	.0000	.0000	.0000	.0000
4.12	.0000	.0024	.1878	.5436	.2230	.0399	.0033	.0000	.0000	.0000	.0000	.0000	.0000
4.13	.0000	.0023	.1837	.5436	.2261	.0409	.0034	.0000	.0000	.0000	.0000	.0000	.0000
4.14	.0000	.0022	.1795	.5435	.2292	.0420	.0036	.0000	.0000	.0000	.0000	.0000	.0000
4.15	.0000	.0021	.1754	.5433	.2324	.0430	.0037	.0000	.0000	.0000	.0000	.0000	.0000
4.16	.0000	.0020	.1714	.5430	.2355	.0441	.0039	.0000	.0000	.0000	.0000	.0000	.0000
4.17	.0000	.0019	.1675	.5427	.2387	.0453	.0040	.0000	.0000	.0000	.0000	.0000	.0000
4.18	.0000	.0018	.1636	.5422	.2419	.0464	.0042	.0000	.0000	.0000	.0000	.0000	.0000
4.19	.0000	.0017	.1597	.5416	.2451	.0476	.0043	.0000	.0000	.0000	.0000	.0000	.0000
4.2	.0000	.0016	.1559	.5409	.2482	.0488	.0045	.0000	.0000	.0000	.0000	.0000	.0000
4.21	.0000	.0016	.1522	.5401	.2514	.0500	.0047	.0000	.0000	.0000	.0000	.0000	.0000
4.22	.0000	.0015	.1486	.5393	.2546	.0512	.0048	.0000	.0000	.0000	.0000	.0000	.0000
4.23	.0000	.0014	.1449	.5383	.2578	.0525	.0050	.0000	.0000	.0000	.0000	.0000	.0000
4.24	.0000	.0014	.1414	.5373	.2610	.0538	.0052	.0000	.0000	.0000	.0000	.0000	.0000
4.25	.0000	.0013	.1379	.5361	.2642	.0551	.0054	.0000	.0000	.0000	.0000	.0000	.0000
4.26	.0000	.0012	.1345	.5349	.2674	.0564	.0056	.0000	.0000	.0000	.0000	.0000	.0000
4.27	.0000	.0012	.1311	.5336	.2706	.0577	.0058	.0000	.0000	.0000	.0000	.0000	.0000
4.28	.0000	.0011	.1278	.5321	.2738	.0591	.0060	.0000	.0000	.0000	.0000	.0000	.0000
4.29	.0000	.0011	.1246	.5306	.2770	.0605	.0062	.0000	.0000	.0000	.0000	.0000	.0000
4.3	.0000	.0000	.1222	.5300	.2797	.0617	.0064	.0000	.0000	.0000	.0000	.0000	.0000
4.31	.0000	.0000	.1191	.5283	.2829	.0631	.0066	.0000	.0000	.0000	.0000	.0000	.0000
4.32	.0000	.0000	.1159	.5265	.2861	.0646	.0069	.0000	.0000	.0000	.0000	.0000	.0000
4.33	.0000	.0000	.1129	.5246	.2893	.0661	.0071	.0000	.0000	.0000	.0000	.0000	.0000
4.34	.0000	.0000	.1099	.5227	.2925	.0676	.0074	.0000	.0000	.0000	.0000	.0000	.0000
4.35	.0000	.0000	.1069	.5206	.2956	.0692	.0077	.0000	.0000	.0000	.0000	.0000	.0000
4.36	.0000	.0000	.1040	.5185	.2988	.0707	.0079	.0000	.0000	.0000	.0000	.0000	.0000
4.37	.0000	.0000	.1012	.5163	.3019	.0723	.0082	.0000	.0000	.0000	.0000	.0000	.0000
4.38	.0000	.0000	.0985	.5140	.3051	.0740	.0085	.0000	.0000	.0000	.0000	.0000	.0000
4.39	.0000	.0000	.0958	.5117	.3082	.0756	.0088	.0000	.0000	.0000	.0000	.0000	.0000
4.4	.0000	.0000	.0931	.5092	.3113	.0773	.0091	.0000	.0000	.0000	.0000	.0000	.0000
4.41	.0000	.0000	.0905	.5067	.3143	.0790	.0094	.0000	.0000	.0000	.0000	.0000	.0000
4.42	.0000	.0000	.0880	.5042	.3174	.0807	.0097	.0000	.0000	.0000	.0000	.0000	.0000
4.43	.0000	.0000	.0855	.5015	.3205	.0824	.0101	.0000	.0000	.0000	.0000	.0000	.0000
4.44	.0000	.0000	.0831	.4988	.3235	.0842	.0104	.0000	.0000	.0000	.0000	.0000	.0000
4.45	.0000	.0000	.0808	.4960	.3265	.0860	.0108	.0000	.0000	.0000	.0000	.0000	.0000
4.46	.0000	.0000	.0784	.4932	.3295	.0878	.0111	.0000	.0000	.0000	.0000	.0000	.0000
4.47	.0000	.0000	.0762	.4903	.3324	.0896	.0115	.0000	.0000	.0000	.0000	.0000	.0000
4.48	.0000	.0000	.0740	.4873	.3354	.0915	.0119	.0000	.0000	.0000	.0000	.0000	.0000
4.49	.0000	.0000	.0718	.4843	.3383	.0934	.0123	.0000	.0000	.0000	.0000	.0000	.0000
4.5	.0000	.0000	.0697	.4812	.3411	.0953	.0127	.0000	.0000	.0000	.0000	.0000	.0000
4.51	.0000	.0000	.0677	.4780	.3440	.0972	.0131	.0000	.0000	.0000	.0000	.0000	.0000
4.52	.0000	.0000	.0657	.4748	.3468	.0992	.0135	.0000	.0000	.0000	.0000	.0000	.0000
4.53	.0000	.0000	.0637	.4715	.3496	.1011	.0140	.0000	.0000	.0000	.0000	.0000	.0000

4.54	.0000	.0000	.0618	.4682	.3524	.1031	.0144	.0000	.0000	.0000	.0000	.0000	.0000
4.55	.0000	.0000	.0606	.4656	.3538	.1043	.0147	.0011	.0000	.0000	.0000	.0000	.0000
4.56	.0000	.0000	.0588	.4623	.3564	.1063	.0151	.0011	.0000	.0000	.0000	.0000	.0000
4.57	.0000	.0000	.0571	.4589	.3590	.1083	.0156	.0012	.0000	.0000	.0000	.0000	.0000
4.58	.0000	.0000	.0554	.4554	.3616	.1103	.0161	.0012	.0000	.0000	.0000	.0000	.0000
4.59	.0000	.0000	.0537	.4519	.3642	.1124	.0166	.0013	.0000	.0000	.0000	.0000	.0000
4.6	.0000	.0000	.0521	.4484	.3667	.1145	.0171	.0013	.0000	.0000	.0000	.0000	.0000
4.61	.0000	.0000	.0505	.4448	.3692	.1165	.0176	.0014	.0000	.0000	.0000	.0000	.0000
4.62	.0000	.0000	.0490	.4412	.3716	.1187	.0181	.0014	.0000	.0000	.0000	.0000	.0000
4.63	.0000	.0000	.0475	.4376	.3740	.1208	.0187	.0015	.0000	.0000	.0000	.0000	.0000
4.64	.0000	.0000	.0460	.4339	.3764	.1229	.0192	.0015	.0000	.0000	.0000	.0000	.0000
4.65	.0000	.0000	.0446	.4302	.3787	.1251	.0198	.0016	.0000	.0000	.0000	.0000	.0000
4.66	.0000	.0000	.0432	.4265	.3810	.1273	.0204	.0017	.0000	.0000	.0000	.0000	.0000
4.67	.0000	.0000	.0419	.4228	.3832	.1295	.0209	.0017	.0000	.0000	.0000	.0000	.0000
4.68	.0000	.0000	.0406	.4190	.3854	.1317	.0216	.0018	.0000	.0000	.0000	.0000	.0000
4.69	.0000	.0000	.0393	.4152	.3876	.1339	.0222	.0019	.0000	.0000	.0000	.0000	.0000
4.7	.0000	.0000	.0381	.4113	.3897	.1361	.0228	.0019	.0000	.0000	.0000	.0000	.0000
4.71	.0000	.0000	.0369	.4075	.3918	.1384	.0234	.0020	.0000	.0000	.0000	.0000	.0000
4.72	.0000	.0000	.0357	.4036	.3938	.1406	.0241	.0021	.0000	.0000	.0000	.0000	.0000
4.73	.0000	.0000	.0346	.3998	.3958	.1429	.0248	.0022	.0000	.0000	.0000	.0000	.0000
4.74	.0000	.0000	.0335	.3959	.3977	.1452	.0254	.0023	.0000	.0000	.0000	.0000	.0000
4.75	.0000	.0000	.0324	.3920	.3996	.1475	.0261	.0023	.0000	.0000	.0000	.0000	.0000
4.76	.0000	.0000	.0314	.3880	.4014	.1499	.0268	.0024	.0000	.0000	.0000	.0000	.0000
4.77	.0000	.0000	.0304	.3841	.4032	.1522	.0276	.0025	.0000	.0000	.0000	.0000	.0000
4.78	.0000	.0000	.0294	.3801	.4050	.1545	.0283	.0026	.0000	.0000	.0000	.0000	.0000
4.79	.0000	.0000	.0285	.3762	.4067	.1569	.0290	.0027	.0000	.0000	.0000	.0000	.0000
4.8	.0000	.0000	.0276	.3722	.4083	.1593	.0298	.0028	.0000	.0000	.0000	.0000	.0000
4.81	.0000	.0000	.0267	.3683	.4099	.1616	.0306	.0029	.0000	.0000	.0000	.0000	.0000
4.82	.0000	.0000	.0258	.3643	.4115	.1640	.0314	.0030	.0000	.0000	.0000	.0000	.0000
4.83	.0000	.0000	.0250	.3603	.4130	.1664	.0322	.0031	.0000	.0000	.0000	.0000	.0000
4.84	.0000	.0000	.0241	.3563	.4144	.1688	.0330	.0033	.0000	.0000	.0000	.0000	.0000
4.85	.0000	.0000	.0233	.3524	.4158	.1712	.0338	.0034	.0000	.0000	.0000	.0000	.0000
4.86	.0000	.0000	.0226	.3484	.4172	.1736	.0347	.0035	.0000	.0000	.0000	.0000	.0000
4.87	.0000	.0000	.0218	.3444	.4185	.1761	.0356	.0036	.0000	.0000	.0000	.0000	.0000
4.88	.0000	.0000	.0211	.3404	.4198	.1785	.0364	.0038	.0000	.0000	.0000	.0000	.0000
4.89	.0000	.0000	.0204	.3365	.4210	.1809	.0373	.0039	.0000	.0000	.0000	.0000	.0000
4.9	.0000	.0000	.0197	.3325	.4221	.1834	.0383	.0040	.0000	.0000	.0000	.0000	.0000
4.91	.0000	.0000	.0191	.3285	.4232	.1858	.0392	.0042	.0000	.0000	.0000	.0000	.0000
4.92	.0000	.0000	.0184	.3246	.4243	.1883	.0401	.0043	.0000	.0000	.0000	.0000	.0000
4.93	.0000	.0000	.0178	.3206	.4252	.1908	.0411	.0045	.0000	.0000	.0000	.0000	.0000
4.94	.0000	.0000	.0172	.3167	.4262	.1932	.0421	.0046	.0000	.0000	.0000	.0000	.0000
4.95	.0000	.0000	.0166	.3128	.4271	.1957	.0430	.0048	.0000	.0000	.0000	.0000	.0000
4.96	.0000	.0000	.0161	.3089	.4279	.1982	.0440	.0049	.0000	.0000	.0000	.0000	.0000
4.97	.0000	.0000	.0155	.3050	.4287	.2006	.0451	.0051	.0000	.0000	.0000	.0000	.0000
4.98	.0000	.0000	.0150	.3011	.4295	.2031	.0461	.0053	.0000	.0000	.0000	.0000	.0000
4.99	.0000	.0000	.0145	.2972	.4301	.2056	.0471	.0054	.0000	.0000	.0000	.0000	.0000
5	.0000	.0000	.0140	.2934	.4308	.2081	.0482	.0056	.0000	.0000	.0000	.0000	.0000
5.01	.0000	.0000	.0135	.2895	.4314	.2105	.0493	.0058	.0000	.0000	.0000	.0000	.0000
5.02	.0000	.0000	.0130	.2857	.4319	.2130	.0504	.0060	.0000	.0000	.0000	.0000	.0000
5.03	.0000	.0000	.0126	.2819	.4324	.2155	.0515	.0062	.0000	.0000	.0000	.0000	.0000
5.04	.0000	.0000	.0121	.2781	.4328	.2180	.0526	.0064	.0000	.0000	.0000	.0000	.0000
5.05	.0000	.0000	.0117	.2743	.4332	.2205	.0538	.0066	.0000	.0000	.0000	.0000	.0000
5.06	.0000	.0000	.0113	.2705	.4335	.2229	.0549	.0068	.0000	.0000	.0000	.0000	.0000
5.07	.0000	.0000	.0109	.2668	.4338	.2254	.0561	.0070	.0000	.0000	.0000	.0000	.0000
5.08	.0000	.0000	.0105	.2631	.4340	.2279	.0573	.0072	.0000	.0000	.0000	.0000	.0000
5.09	.0000	.0000	.0102	.2594	.4341	.2303	.0585	.0074	.0000	.0000	.0000	.0000	.0000
5.1	.0000	.0000	.0098	.2557	.4343	.2328	.0598	.0077	.0000	.0000	.0000	.0000	.0000
5.11	.0000	.0000	.0095	.2521	.4343	.2352	.0610	.0079	.0000	.0000	.0000	.0000	.0000
5.12	.0000	.0000	.0091	.2484	.4343	.2377	.0623	.0082	.0000	.0000	.0000	.0000	.0000
5.13	.0000	.0000	.0088	.2448	.4343	.2401	.0635	.0084	.0000	.0000	.0000	.0000	.0000
5.14	.0000	.0000	.0085	.2412	.4342	.2426	.0648	.0087	.0000	.0000	.0000	.0000	.0000
5.15	.0000	.0000	.0082	.2377	.4341	.2450	.0661	.0089	.0000	.0000	.0000	.0000	.0000
5.16	.0000	.0000	.0079	.2341	.4339	.2474	.0675	.0092	.0000	.0000	.0000	.0000	.0000
5.17	.0000	.0000	.0076	.2306	.4337	.2498	.0688	.0095	.0000	.0000	.0000	.0000	.0000
5.18	.0000	.0000	.0073	.2271	.4334	.2522	.0702	.0097	.0000	.0000	.0000	.0000	.0000
5.19	.0000	.0000	.0071	.2237	.4330	.2546	.0715	.0100	.0000	.0000	.0000	.0000	.0000
5.2	.0000	.0000	.0068	.2202	.4327	.2570	.0729	.0103	.0000	.0000	.0000	.0000	.0000
5.21	.0000	.0000	.0066	.2168	.4322	.2594	.0743	.0106	.0000	.0000	.0000	.0000	.0000
5.22	.0000	.0000	.0063	.2135	.4318	.2618	.0758	.0109	.0000	.0000	.0000	.0000	.0000
5.23	.0000	.0000	.0061	.2101	.4312	.2641	.0772	.0112	.0000	.0000	.0000	.0000	.0000
5.24	.0000	.0000	.0059	.2068	.4306	.2665	.0787	.0116	.0000	.0000	.0000	.0000	.0000

5.25	.0000	.0000	.0056	.2035	.4300	.2688	.0801	.0119	.0000	.0000	.0000	.0000	.0000
5.26	.0000	.0000	.0054	.2002	.4294	.2711	.0816	.0122	.0000	.0000	.0000	.0000	.0000
5.27	.0000	.0000	.0052	.1970	.4286	.2734	.0831	.0126	.0000	.0000	.0000	.0000	.0000
5.28	.0000	.0000	.0050	.1938	.4279	.2757	.0847	.0129	.0000	.0000	.0000	.0000	.0000
5.29	.0000	.0000	.0049	.1906	.4271	.2780	.0862	.0133	.0000	.0000	.0000	.0000	.0000
5.3	.0000	.0000	.0047	.1882	.4264	.2797	.0874	.0136	.0000	.0000	.0000	.0000	.0000
5.31	.0000	.0000	.0046	.1854	.4252	.2813	.0886	.0139	.0011	.0000	.0000	.0000	.0000
5.32	.0000	.0000	.0044	.1823	.4243	.2835	.0902	.0142	.0011	.0000	.0000	.0000	.0000
5.33	.0000	.0000	.0042	.1793	.4233	.2857	.0917	.0146	.0012	.0000	.0000	.0000	.0000
5.34	.0000	.0000	.0041	.1763	.4223	.2879	.0933	.0150	.0012	.0000	.0000	.0000	.0000
5.35	.0000	.0000	.0039	.1733	.4212	.2900	.0949	.0154	.0013	.0000	.0000	.0000	.0000
5.36	.0000	.0000	.0038	.1703	.4201	.2921	.0965	.0158	.0013	.0000	.0000	.0000	.0000
5.37	.0000	.0000	.0036	.1674	.4190	.2943	.0981	.0163	.0013	.0000	.0000	.0000	.0000
5.38	.0000	.0000	.0035	.1645	.4178	.2963	.0998	.0167	.0014	.0000	.0000	.0000	.0000
5.39	.0000	.0000	.0034	.1617	.4165	.2984	.1014	.0171	.0014	.0000	.0000	.0000	.0000
5.4	.0000	.0000	.0032	.1589	.4153	.3005	.1031	.0176	.0015	.0000	.0000	.0000	.0000
5.41	.0000	.0000	.0031	.1561	.4140	.3025	.1048	.0180	.0015	.0000	.0000	.0000	.0000
5.42	.0000	.0000	.0030	.1533	.4126	.3045	.1065	.0185	.0016	.0000	.0000	.0000	.0000
5.43	.0000	.0000	.0029	.1506	.4112	.3065	.1082	.0189	.0017	.0000	.0000	.0000	.0000
5.44	.0000	.0000	.0028	.1479	.4098	.3085	.1099	.0194	.0017	.0000	.0000	.0000	.0000
5.45	.0000	.0000	.0027	.1452	.4083	.3104	.1117	.0199	.0018	.0000	.0000	.0000	.0000
5.46	.0000	.0000	.0026	.1426	.4068	.3123	.1134	.0204	.0018	.0000	.0000	.0000	.0000
5.47	.0000	.0000	.0025	.1400	.4053	.3142	.1152	.0209	.0019	.0000	.0000	.0000	.0000
5.48	.0000	.0000	.0024	.1375	.4037	.3161	.1169	.0214	.0020	.0000	.0000	.0000	.0000
5.49	.0000	.0000	.0023	.1349	.4021	.3180	.1187	.0220	.0020	.0000	.0000	.0000	.0000
5.5	.0000	.0000	.0022	.1324	.4005	.3198	.1205	.0225	.0021	.0000	.0000	.0000	.0000
5.51	.0000	.0000	.0021	.1299	.3988	.3216	.1223	.0230	.0022	.0000	.0000	.0000	.0000
5.52	.0000	.0000	.0020	.1275	.3971	.3234	.1242	.0236	.0023	.0000	.0000	.0000	.0000
5.53	.0000	.0000	.0019	.1251	.3953	.3251	.1260	.0242	.0023	.0000	.0000	.0000	.0000
5.54	.0000	.0000	.0019	.1227	.3936	.3269	.1278	.0247	.0024	.0000	.0000	.0000	.0000
5.55	.0000	.0000	.0018	.1204	.3917	.3286	.1297	.0253	.0025	.0000	.0000	.0000	.0000
5.56	.0000	.0000	.0017	.1181	.3899	.3302	.1316	.0259	.0026	.0000	.0000	.0000	.0000
5.57	.0000	.0000	.0016	.1158	.3880	.3319	.1335	.0265	.0027	.0000	.0000	.0000	.0000
5.58	.0000	.0000	.0016	.1135	.3861	.3335	.1354	.0272	.0027	.0000	.0000	.0000	.0000
5.59	.0000	.0000	.0015	.1113	.3842	.3351	.1373	.0278	.0028	.0000	.0000	.0000	.0000
5.6	.0000	.0000	.0015	.1091	.3822	.3367	.1392	.0284	.0029	.0000	.0000	.0000	.0000
5.61	.0000	.0000	.0014	.1070	.3802	.3382	.1411	.0291	.0030	.0000	.0000	.0000	.0000
5.62	.0000	.0000	.0013	.1048	.3782	.3397	.1430	.0298	.0031	.0000	.0000	.0000	.0000
5.63	.0000	.0000	.0013	.1027	.3762	.3412	.1450	.0304	.0032	.0000	.0000	.0000	.0000
5.64	.0000	.0000	.0012	.1007	.3741	.3426	.1469	.0311	.0033	.0000	.0000	.0000	.0000
5.65	.0000	.0000	.0012	.0986	.3720	.3441	.1489	.0318	.0034	.0000	.0000	.0000	.0000
5.66	.0000	.0000	.0011	.0966	.3699	.3454	.1508	.0325	.0035	.0000	.0000	.0000	.0000
5.67	.0000	.0000	.0011	.0947	.3677	.3468	.1528	.0333	.0037	.0000	.0000	.0000	.0000
5.68	.0000	.0000	.0000	.0929	.3660	.3485	.1549	.0340	.0038	.0000	.0000	.0000	.0000
5.69	.0000	.0000	.0000	.0914	.3643	.3494	.1564	.0346	.0039	.0000	.0000	.0000	.0000
5.7	.0000	.0000	.0000	.0895	.3621	.3507	.1584	.0353	.0040	.0000	.0000	.0000	.0000
5.71	.0000	.0000	.0000	.0876	.3598	.3519	.1604	.0361	.0041	.0000	.0000	.0000	.0000
5.72	.0000	.0000	.0000	.0857	.3575	.3531	.1625	.0369	.0042	.0000	.0000	.0000	.0000
5.73	.0000	.0000	.0000	.0839	.3552	.3543	.1645	.0377	.0044	.0000	.0000	.0000	.0000
5.74	.0000	.0000	.0000	.0821	.3529	.3555	.1665	.0385	.0045	.0000	.0000	.0000	.0000
5.75	.0000	.0000	.0000	.0804	.3505	.3566	.1686	.0393	.0047	.0000	.0000	.0000	.0000
5.76	.0000	.0000	.0000	.0786	.3481	.3577	.1706	.0402	.0048	.0000	.0000	.0000	.0000
5.77	.0000	.0000	.0000	.0769	.3457	.3587	.1727	.0410	.0049	.0000	.0000	.0000	.0000
5.78	.0000	.0000	.0000	.0752	.3433	.3597	.1747	.0419	.0051	.0000	.0000	.0000	.0000
5.79	.0000	.0000	.0000	.0736	.3409	.3607	.1768	.0427	.0053	.0000	.0000	.0000	.0000
5.8	.0000	.0000	.0000	.0720	.3385	.3616	.1789	.0436	.0054	.0000	.0000	.0000	.0000
5.81	.0000	.0000	.0000	.0704	.3360	.3625	.1809	.0445	.0056	.0000	.0000	.0000	.0000
5.82	.0000	.0000	.0000	.0688	.3336	.3634	.1830	.0455	.0057	.0000	.0000	.0000	.0000
5.83	.0000	.0000	.0000	.0673	.3311	.3642	.1851	.0464	.0059	.0000	.0000	.0000	.0000
5.84	.0000	.0000	.0000	.0658	.3286	.3650	.1872	.0473	.0061	.0000	.0000	.0000	.0000
5.85	.0000	.0000	.0000	.0643	.3261	.3658	.1893	.0483	.0063	.0000	.0000	.0000	.0000
5.86	.0000	.0000	.0000	.0628	.3236	.3666	.1913	.0492	.0065	.0000	.0000	.0000	.0000
5.87	.0000	.0000	.0000	.0614	.3211	.3673	.1934	.0502	.0067	.0000	.0000	.0000	.0000
5.88	.0000	.0000	.0000	.0600	.3185	.3679	.1955	.0512	.0068	.0000	.0000	.0000	.0000
5.89	.0000	.0000	.0000	.0586	.3160	.3685	.1976	.0522	.0070	.0000	.0000	.0000	.0000
5.9	.0000	.0000	.0000	.0572	.3134	.3691	.1997	.0532	.0073	.0000	.0000	.0000	.0000
5.91	.0000	.0000	.0000	.0559	.3109	.3697	.2018	.0543	.0075	.0000	.0000	.0000	.0000
5.92	.0000	.0000	.0000	.0546	.3083	.3702	.2039	.0553	.0077	.0000	.0000	.0000	.0000
5.93	.0000	.0000	.0000	.0533	.3057	.3707	.2060	.0564	.0079	.0000	.0000	.0000	.0000
5.94	.0000	.0000	.0000	.0521	.3031	.3712	.2080	.0575	.0081	.0000	.0000	.0000	.0000
5.95	.0000	.0000	.0000	.0509	.3005	.3716	.2101	.0585	.0083	.0000	.0000	.0000	.0000

5.96	.0000	.0000	.0000	.0497	.2979	.3720	.2122	.0596	.0086	.0000	.0000	.0000	.0000
5.97	.0000	.0000	.0000	.0485	.2953	.3723	.2143	.0608	.0088	.0000	.0000	.0000	.0000
5.98	.0000	.0000	.0000	.0473	.2927	.3726	.2164	.0619	.0091	.0000	.0000	.0000	.0000
5.99	.0000	.0000	.0000	.0462	.2901	.3729	.2184	.0630	.0093	.0000	.0000	.0000	.0000
6	.0000	.0000	.0000	.0451	.2875	.3731	.2205	.0642	.0096	.0000	.0000	.0000	.0000
6.01	.0000	.0000	.0000	.0440	.2849	.3733	.2226	.0654	.0098	.0000	.0000	.0000	.0000
6.02	.0000	.0000	.0000	.0429	.2823	.3735	.2246	.0666	.0101	.0000	.0000	.0000	.0000
6.03	.0000	.0000	.0000	.0419	.2797	.3737	.2267	.0678	.0104	.0000	.0000	.0000	.0000
6.04	.0000	.0000	.0000	.0408	.2770	.3738	.2287	.0690	.0107	.0000	.0000	.0000	.0000
6.05	.0000	.0000	.0000	.0402	.2752	.3734	.2297	.0696	.0108	.0010	.0000	.0000	.0000
6.06	.0000	.0000	.0000	.0392	.2726	.3734	.2317	.0708	.0111	.0011	.0000	.0000	.0000
6.07	.0000	.0000	.0000	.0382	.2700	.3734	.2337	.0721	.0114	.0011	.0000	.0000	.0000
6.08	.0000	.0000	.0000	.0373	.2674	.3734	.2357	.0733	.0117	.0012	.0000	.0000	.0000
6.09	.0000	.0000	.0000	.0364	.2649	.3733	.2377	.0745	.0120	.0012	.0000	.0000	.0000
6.1	.0000	.0000	.0000	.0355	.2623	.3732	.2396	.0758	.0123	.0012	.0000	.0000	.0000
6.11	.0000	.0000	.0000	.0346	.2597	.3731	.2416	.0771	.0127	.0013	.0000	.0000	.0000
6.12	.0000	.0000	.0000	.0337	.2571	.3729	.2436	.0784	.0130	.0013	.0000	.0000	.0000
6.13	.0000	.0000	.0000	.0329	.2545	.3727	.2455	.0797	.0133	.0014	.0000	.0000	.0000
6.14	.0000	.0000	.0000	.0321	.2520	.3724	.2475	.0810	.0137	.0014	.0000	.0000	.0000
6.15	.0000	.0000	.0000	.0313	.2494	.3722	.2494	.0823	.0140	.0015	.0000	.0000	.0000
6.16	.0000	.0000	.0000	.0305	.2468	.3719	.2513	.0837	.0144	.0015	.0000	.0000	.0000
6.17	.0000	.0000	.0000	.0297	.2443	.3715	.2532	.0850	.0147	.0016	.0000	.0000	.0000
6.18	.0000	.0000	.0000	.0289	.2417	.3711	.2551	.0864	.0151	.0016	.0000	.0000	.0000
6.19	.0000	.0000	.0000	.0282	.2392	.3707	.2570	.0878	.0155	.0017	.0000	.0000	.0000
6.2	.0000	.0000	.0000	.0275	.2367	.3703	.2588	.0892	.0159	.0017	.0000	.0000	.0000
6.21	.0000	.0000	.0000	.0268	.2341	.3698	.2607	.0906	.0162	.0018	.0000	.0000	.0000
6.22	.0000	.0000	.0000	.0261	.2316	.3693	.2625	.0920	.0166	.0018	.0000	.0000	.0000
6.23	.0000	.0000	.0000	.0254	.2291	.3688	.2644	.0934	.0171	.0019	.0000	.0000	.0000
6.24	.0000	.0000	.0000	.0247	.2266	.3682	.2662	.0948	.0175	.0020	.0000	.0000	.0000
6.25	.0000	.0000	.0000	.0241	.2241	.3676	.2680	.0963	.0179	.0020	.0000	.0000	.0000
6.26	.0000	.0000	.0000	.0235	.2216	.3670	.2698	.0977	.0183	.0021	.0000	.0000	.0000
6.27	.0000	.0000	.0000	.0228	.2192	.3663	.2715	.0992	.0188	.0022	.0000	.0000	.0000
6.28	.0000	.0000	.0000	.0222	.2167	.3656	.2733	.1007	.0192	.0022	.0000	.0000	.0000
6.29	.0000	.0000	.0000	.0217	.2143	.3649	.2750	.1022	.0197	.0023	.0000	.0000	.0000
6.3	.0000	.0000	.0000	.0211	.2118	.3642	.2767	.1037	.0201	.0024	.0000	.0000	.0000
6.31	.0000	.0000	.0000	.0205	.2094	.3634	.2784	.1052	.0206	.0025	.0000	.0000	.0000
6.32	.0000	.0000	.0000	.0200	.2070	.3626	.2801	.1067	.0211	.0025	.0000	.0000	.0000
6.33	.0000	.0000	.0000	.0194	.2046	.3617	.2818	.1083	.0216	.0026	.0000	.0000	.0000
6.34	.0000	.0000	.0000	.0189	.2022	.3609	.2834	.1098	.0221	.0027	.0000	.0000	.0000
6.35	.0000	.0000	.0000	.0184	.1998	.3600	.2851	.1114	.0226	.0028	.0000	.0000	.0000
6.36	.0000	.0000	.0000	.0179	.1974	.3591	.2867	.1129	.0231	.0029	.0000	.0000	.0000
6.37	.0000	.0000	.0000	.0174	.1951	.3581	.2883	.1145	.0236	.0030	.0000	.0000	.0000
6.38	.0000	.0000	.0000	.0170	.1928	.3571	.2899	.1161	.0241	.0031	.0000	.0000	.0000
6.39	.0000	.0000	.0000	.0165	.1904	.3561	.2914	.1177	.0247	.0031	.0000	.0000	.0000
6.4	.0000	.0000	.0000	.0160	.1881	.3551	.2930	.1193	.0252	.0032	.0000	.0000	.0000
6.41	.0000	.0000	.0000	.0156	.1858	.3541	.2945	.1209	.0258	.0033	.0000	.0000	.0000
6.42	.0000	.0000	.0000	.0152	.1835	.3530	.2960	.1225	.0264	.0034	.0000	.0000	.0000
6.43	.0000	.0000	.0000	.0148	.1813	.3519	.2975	.1241	.0269	.0036	.0000	.0000	.0000
6.44	.0000	.0000	.0000	.0143	.1790	.3507	.2989	.1258	.0275	.0037	.0000	.0000	.0000
6.45	.0000	.0000	.0000	.0140	.1768	.3496	.3004	.1274	.0281	.0038	.0000	.0000	.0000
6.46	.0000	.0000	.0000	.0136	.1745	.3484	.3018	.1291	.0287	.0039	.0000	.0000	.0000
6.47	.0000	.0000	.0000	.0132	.1723	.3472	.3032	.1307	.0293	.0040	.0000	.0000	.0000
6.48	.0000	.0000	.0000	.0128	.1701	.3460	.3046	.1324	.0300	.0041	.0000	.0000	.0000
6.49	.0000	.0000	.0000	.0125	.1680	.3447	.3059	.1341	.0306	.0042	.0000	.0000	.0000
6.5	.0000	.0000	.0000	.0121	.1658	.3434	.3072	.1358	.0313	.0044	.0000	.0000	.0000
6.51	.0000	.0000	.0000	.0118	.1637	.3422	.3085	.1375	.0319	.0045	.0000	.0000	.0000
6.52	.0000	.0000	.0000	.0114	.1615	.3408	.3098	.1392	.0326	.0046	.0000	.0000	.0000
6.53	.0000	.0000	.0000	.0111	.1594	.3395	.3111	.1409	.0333	.0048	.0000	.0000	.0000
6.54	.0000	.0000	.0000	.0108	.1573	.3381	.3123	.1426	.0339	.0049	.0000	.0000	.0000
6.55	.0000	.0000	.0000	.0105	.1552	.3368	.3135	.1443	.0346	.0050	.0000	.0000	.0000
6.56	.0000	.0000	.0000	.0102	.1532	.3354	.3147	.1460	.0353	.0052	.0000	.0000	.0000
6.57	.0000	.0000	.0000	.0099	.1511	.3339	.3159	.1478	.0361	.0053	.0000	.0000	.0000
6.58	.0000	.0000	.0000	.0096	.1491	.3325	.3170	.1495	.0368	.0055	.0000	.0000	.0000
6.59	.0000	.0000	.0000	.0093	.1471	.3310	.3181	.1512	.0375	.0056	.0000	.0000	.0000
6.6	.0000	.0000	.0000	.0091	.1451	.3295	.3192	.1530	.0383	.0058	.0000	.0000	.0000
6.61	.0000	.0000	.0000	.0088	.1431	.3281	.3203	.1547	.0390	.0060	.0000	.0000	.0000
6.62	.0000	.0000	.0000	.0086	.1412	.3265	.3213	.1565	.0398	.0061	.0000	.0000	.0000
6.63	.0000	.0000	.0000	.0083	.1392	.3250	.3223	.1582	.0406	.0063	.0000	.0000	.0000
6.64	.0000	.0000	.0000	.0081	.1373	.3234	.3233	.1600	.0414	.0065	.0000	.0000	.0000
6.65	.0000	.0000	.0000	.0078	.1354	.3219	.3243	.1618	.0422	.0067	.0000	.0000	.0000
6.66	.0000	.0000	.0000	.0076	.1335	.3203	.3252	.1635	.0430	.0068	.0000	.0000	.0000

6.67	.0000	.0000	.0000	.0074	.1316	.3187	.3261	.1653	.0438	.0070	.0000	.0000	.0000
6.68	.0000	.0000	.0000	.0072	.1298	.3171	.3270	.1671	.0447	.0072	.0000	.0000	.0000
6.69	.0000	.0000	.0000	.0069	.1279	.3154	.3279	.1689	.0455	.0074	.0000	.0000	.0000
6.7	.0000	.0000	.0000	.0067	.1261	.3138	.3287	.1706	.0464	.0076	.0000	.0000	.0000
6.71	.0000	.0000	.0000	.0065	.1243	.3121	.3295	.1724	.0472	.0078	.0000	.0000	.0000
6.72	.0000	.0000	.0000	.0064	.1225	.3105	.3303	.1742	.0481	.0080	.0000	.0000	.0000
6.73	.0000	.0000	.0000	.0062	.1207	.3088	.3311	.1760	.0490	.0082	.0000	.0000	.0000
6.74	.0000	.0000	.0000	.0060	.1190	.3071	.3318	.1778	.0499	.0085	.0000	.0000	.0000
6.75	.0000	.0000	.0000	.0058	.1173	.3054	.3325	.1796	.0508	.0087	.0000	.0000	.0000
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6.77	.0000	.0000	.0000	.0055	.1138	.3019	.3338	.1832	.0527	.0091	.0000	.0000	.0000
6.78	.0000	.0000	.0000	.0053	.1123	.3001	.3340	.1845	.0534	.0093	.0010	.0000	.0000
6.79	.0000	.0000	.0000	.0052	.1111	.2988	.3344	.1858	.0541	.0095	.0010	.0000	.0000
6.8	.0000	.0000	.0000	.0050	.1095	.2971	.3350	.1875	.0551	.0097	.0011	.0000	.0000
6.81	.0000	.0000	.0000	.0049	.1078	.2953	.3355	.1893	.0560	.0100	.0011	.0000	.0000
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6.83	.0000	.0000	.0000	.0046	.1047	.2918	.3365	.1928	.0580	.0105	.0012	.0000	.0000
6.84	.0000	.0000	.0000	.0045	.1031	.2900	.3370	.1945	.0590	.0108	.0012	.0000	.0000
6.85	.0000	.0000	.0000	.0043	.1016	.2882	.3374	.1963	.0600	.0110	.0012	.0000	.0000
6.86	.0000	.0000	.0000	.0042	.1000	.2864	.3378	.1980	.0610	.0113	.0013	.0000	.0000
6.87	.0000	.0000	.0000	.0041	.0985	.2846	.3382	.1998	.0620	.0116	.0013	.0000	.0000
6.88	.0000	.0000	.0000	.0040	.0970	.2827	.3385	.2015	.0630	.0119	.0014	.0000	.0000
6.89	.0000	.0000	.0000	.0038	.0956	.2809	.3388	.2033	.0641	.0121	.0014	.0000	.0000
6.9	.0000	.0000	.0000	.0037	.0941	.2791	.3391	.2050	.0651	.0124	.0015	.0000	.0000
6.91	.0000	.0000	.0000	.0036	.0927	.2772	.3394	.2067	.0662	.0127	.0015	.0000	.0000
6.92	.0000	.0000	.0000	.0035	.0912	.2754	.3396	.2084	.0673	.0130	.0016	.0000	.0000
6.93	.0000	.0000	.0000	.0034	.0898	.2735	.3398	.2101	.0684	.0133	.0016	.0000	.0000
6.94	.0000	.0000	.0000	.0033	.0884	.2717	.3400	.2119	.0695	.0137	.0017	.0000	.0000
6.95	.0000	.0000	.0000	.0032	.0871	.2698	.3401	.2136	.0706	.0140	.0017	.0000	.0000
6.96	.0000	.0000	.0000	.0031	.0857	.2679	.3403	.2153	.0717	.0143	.0018	.0000	.0000
6.97	.0000	.0000	.0000	.0030	.0844	.2661	.3404	.2170	.0728	.0146	.0018	.0000	.0000
6.98	.0000	.0000	.0000	.0029	.0830	.2642	.3404	.2186	.0739	.0150	.0019	.0000	.0000
6.99	.0000	.0000	.0000	.0028	.0817	.2623	.3405	.2203	.0751	.0153	.0019	.0000	.0000
7	.0000	.0000	.0000	.0027	.0804	.2604	.3405	.2220	.0762	.0157	.0020	.0000	.0000
7.01	.0000	.0000	.0000	.0026	.0792	.2585	.3405	.2237	.0774	.0160	.0020	.0000	.0000
7.02	.0000	.0000	.0000	.0026	.0779	.2567	.3405	.2253	.0786	.0164	.0021	.0000	.0000
7.03	.0000	.0000	.0000	.0025	.0767	.2548	.3404	.2270	.0798	.0168	.0022	.0000	.0000
7.04	.0000	.0000	.0000	.0024	.0754	.2529	.3403	.2286	.0810	.0172	.0022	.0000	.0000
7.05	.0000	.0000	.0000	.0023	.0742	.2510	.3402	.2303	.0822	.0175	.0023	.0000	.0000
7.06	.0000	.0000	.0000	.0023	.0730	.2491	.3401	.2319	.0834	.0179	.0024	.0000	.0000
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7.09	.0000	.0000	.0000	.0020	.0695	.2434	.3395	.2367	.0871	.0191	.0026	.0000	.0000
7.1	.0000	.0000	.0000	.0020	.0684	.2415	.3393	.2383	.0883	.0196	.0027	.0000	.0000
7.11	.0000	.0000	.0000	.0019	.0673	.2396	.3390	.2399	.0896	.0200	.0027	.0000	.0000
7.12	.0000	.0000	.0000	.0019	.0662	.2377	.3387	.2414	.0908	.0204	.0028	.0000	.0000
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7.16	.0000	.0000	.0000	.0016	.0619	.2301	.3373	.2476	.0960	.0222	.0032	.0000	.0000
7.17	.0000	.0000	.0000	.0016	.0609	.2283	.3369	.2491	.0973	.0227	.0032	.0000	.0000
7.18	.0000	.0000	.0000	.0015	.0599	.2264	.3365	.2506	.0986	.0231	.0033	.0000	.0000
7.19	.0000	.0000	.0000	.0015	.0589	.2245	.3360	.2521	.1000	.0236	.0034	.0000	.0000
7.2	.0000	.0000	.0000	.0014	.0579	.2226	.3356	.2536	.1013	.0241	.0035	.0000	.0000
7.21	.0000	.0000	.0000	.0014	.0569	.2207	.3351	.2551	.1026	.0246	.0036	.0000	.0000
7.22	.0000	.0000	.0000	.0013	.0559	.2188	.3345	.2565	.1040	.0251	.0037	.0000	.0000
7.23	.0000	.0000	.0000	.0013	.0550	.2170	.3340	.2579	.1054	.0256	.0038	.0000	.0000
7.24	.0000	.0000	.0000	.0013	.0540	.2151	.3334	.2594	.1067	.0261	.0039	.0000	.0000
7.25	.0000	.0000	.0000	.0012	.0531	.2132	.3328	.2608	.1081	.0267	.0040	.0000	.0000
7.26	.0000	.0000	.0000	.0012	.0522	.2114	.3322	.2622	.1095	.0272	.0042	.0000	.0000
7.27	.0000	.0000	.0000	.0011	.0513	.2095	.3316	.2636	.1109	.0277	.0043	.0000	.0000
7.28	.0000	.0000	.0000	.0011	.0504	.2077	.3309	.2649	.1123	.0283	.0044	.0000	.0000
7.29	.0000	.0000	.0000	.0011	.0496	.2058	.3302	.2663	.1137	.0289	.0045	.0000	.0000
7.3	.0000	.0000	.0000	.0010	.0487	.2040	.3295	.2676	.1151	.0294	.0046	.0000	.0000
7.31	.0000	.0000	.0000	.0010	.0479	.2021	.3288	.2690	.1165	.0300	.0047	.0000	.0000
7.32	.0000	.0000	.0000	.0000	.0474	.2011	.3286	.2701	.1176	.0304	.0048	.0000	.0000
7.33	.0000	.0000	.0000	.0000	.0465	.1993	.3278	.2714	.1190	.0310	.0050	.0000	.0000
7.34	.0000	.0000	.0000	.0000	.0457	.1974	.3270	.2727	.1205	.0316	.0051	.0000	.0000
7.35	.0000	.0000	.0000	.0000	.0449	.1956	.3262	.2740	.1219	.0322	.0052	.0000	.0000
7.36	.0000	.0000	.0000	.0000	.0441	.1937	.3254	.2752	.1234	.0328	.0054	.0000	.0000
7.37	.0000	.0000	.0000	.0000	.0433	.1919	.3245	.2765	.1248	.0334	.0055	.0000	.0000

7.38	.0000	.0000	.0000	.0000	.0425	.1901	.3236	.2777	.1263	.0341	.0057	.0000	.0000
7.39	.0000	.0000	.0000	.0000	.0418	.1883	.3227	.2789	.1278	.0347	.0058	.0000	.0000
7.4	.0000	.0000	.0000	.0000	.0410	.1865	.3218	.2801	.1292	.0354	.0060	.0000	.0000
7.41	.0000	.0000	.0000	.0000	.0403	.1847	.3209	.2813	.1307	.0360	.0061	.0000	.0000
7.42	.0000	.0000	.0000	.0000	.0396	.1829	.3199	.2825	.1322	.0367	.0063	.0000	.0000
7.43	.0000	.0000	.0000	.0000	.0389	.1811	.3190	.2836	.1337	.0374	.0064	.0000	.0000
7.44	.0000	.0000	.0000	.0000	.0382	.1793	.3180	.2847	.1352	.0380	.0066	.0000	.0000
7.45	.0000	.0000	.0000	.0000	.0375	.1776	.3169	.2858	.1367	.0387	.0067	.0000	.0000
7.46	.0000	.0000	.0000	.0000	.0368	.1758	.3159	.2869	.1382	.0394	.0069	.0000	.0000
7.47	.0000	.0000	.0000	.0000	.0361	.1740	.3149	.2880	.1397	.0401	.0071	.0000	.0000
7.48	.0000	.0000	.0000	.0000	.0355	.1723	.3138	.2890	.1413	.0409	.0073	.0000	.0000
7.49	.0000	.0000	.0000	.0000	.0348	.1706	.3127	.2901	.1428	.0416	.0074	.0000	.0000
7.5	.0000	.0000	.0000	.0000	.0342	.1688	.3116	.2911	.1443	.0423	.0076	.0000	.0000
7.51	.0000	.0000	.0000	.0000	.0335	.1671	.3105	.2921	.1458	.0431	.0078	.0000	.0000
7.52	.0000	.0000	.0000	.0000	.0329	.1654	.3094	.2931	.1474	.0438	.0080	.0000	.0000
7.53	.0000	.0000	.0000	.0000	.0323	.1637	.3083	.2940	.1489	.0446	.0082	.0000	.0000
7.54	.0000	.0000	.0000	.0000	.0319	.1624	.3072	.2944	.1498	.0451	.0083	.0010	.0000
7.55	.0000	.0000	.0000	.0000	.0314	.1610	.3062	.2952	.1511	.0457	.0085	.0010	.0000
7.56	.0000	.0000	.0000	.0000	.0308	.1593	.3050	.2961	.1526	.0465	.0087	.0010	.0000
7.57	.0000	.0000	.0000	.0000	.0302	.1576	.3038	.2969	.1541	.0473	.0089	.0011	.0000
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7.6	.0000	.0000	.0000	.0000	.0286	.1528	.3001	.2994	.1587	.0497	.0096	.0012	.0000
7.61	.0000	.0000	.0000	.0000	.0280	.1512	.2989	.3002	.1602	.0505	.0098	.0012	.0000
7.62	.0000	.0000	.0000	.0000	.0275	.1496	.2976	.3010	.1617	.0513	.0100	.0013	.0000
7.63	.0000	.0000	.0000	.0000	.0270	.1480	.2964	.3017	.1633	.0521	.0102	.0013	.0000
7.64	.0000	.0000	.0000	.0000	.0265	.1464	.2951	.3025	.1648	.0530	.0105	.0013	.0000
7.65	.0000	.0000	.0000	.0000	.0260	.1448	.2938	.3032	.1663	.0538	.0107	.0014	.0000
7.66	.0000	.0000	.0000	.0000	.0255	.1433	.2925	.3039	.1678	.0547	.0109	.0014	.0000
7.67	.0000	.0000	.0000	.0000	.0251	.1417	.2912	.3046	.1694	.0555	.0112	.0014	.0000
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7.71	.0000	.0000	.0000	.0000	.0232	.1356	.2858	.3071	.1754	.0590	.0122	.0016	.0000
7.72	.0000	.0000	.0000	.0000	.0228	.1341	.2844	.3076	.1770	.0599	.0125	.0017	.0000
7.73	.0000	.0000	.0000	.0000	.0223	.1326	.2830	.3082	.1785	.0609	.0128	.0017	.0000
7.74	.0000	.0000	.0000	.0000	.0219	.1311	.2817	.3087	.1800	.0618	.0130	.0018	.0000
7.75	.0000	.0000	.0000	.0000	.0215	.1297	.2803	.3092	.1815	.0627	.0133	.0018	.0000
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7.83	.0000	.0000	.0000	.0000	.0184	.1183	.2687	.3126	.1936	.0704	.0157	.0023	.0000
7.84	.0000	.0000	.0000	.0000	.0181	.1170	.2673	.3129	.1950	.0714	.0161	.0023	.0000
7.85	.0000	.0000	.0000	.0000	.0177	.1156	.2658	.3132	.1965	.0724	.0164	.0024	.0000
7.86	.0000	.0000	.0000	.0000	.0174	.1142	.2643	.3135	.1980	.0734	.0167	.0024	.0000
7.87	.0000	.0000	.0000	.0000	.0170	.1129	.2628	.3138	.1995	.0744	.0171	.0025	.0000
7.88	.0000	.0000	.0000	.0000	.0167	.1116	.2613	.3140	.2010	.0755	.0174	.0026	.0000
7.89	.0000	.0000	.0000	.0000	.0164	.1103	.2598	.3142	.2024	.0765	.0178	.0026	.0000
7.9	.0000	.0000	.0000	.0000	.0160	.1089	.2583	.3144	.2039	.0775	.0181	.0027	.0000
7.91	.0000	.0000	.0000	.0000	.0157	.1076	.2567	.3146	.2054	.0786	.0185	.0028	.0000
7.92	.0000	.0000	.0000	.0000	.0154	.1064	.2552	.3148	.2068	.0797	.0189	.0029	.0000
7.93	.0000	.0000	.0000	.0000	.0151	.1051	.2537	.3149	.2083	.0807	.0192	.0029	.0000
7.94	.0000	.0000	.0000	.0000	.0148	.1038	.2522	.3151	.2097	.0818	.0196	.0030	.0000
7.95	.0000	.0000	.0000	.0000	.0145	.1026	.2506	.3152	.2112	.0829	.0200	.0031	.0000
7.96	.0000	.0000	.0000	.0000	.0142	.1013	.2491	.3152	.2126	.0840	.0204	.0032	.0000
7.97	.0000	.0000	.0000	.0000	.0139	.1001	.2475	.3153	.2140	.0851	.0208	.0033	.0000
7.98	.0000	.0000	.0000	.0000	.0137	.0989	.2460	.3153	.2154	.0862	.0212	.0033	.0000
7.99	.0000	.0000	.0000	.0000	.0134	.0977	.2444	.3154	.2169	.0873	.0216	.0034	.0000
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8.94	.0000	.0000	.0000	.0000	.0017	.0252	.1065	.2434	.2967	.2077	.0894	.0247	.0045
8.95	.0000	.0000	.0000	.0000	.0017	.0248	.1054	.2422	.2969	.2090	.0905	.0251	.0046
8.96	.0000	.0000	.0000	.0000	.0016	.0243	.1042	.2409	.2970	.2102	.0915	.0255	.0047
8.97	.0000	.0000	.0000	.0000	.0016	.0240	.1031	.2396	.2971	.2114	.0925	.0260	.0049
8.98	.0000	.0000	.0000	.0000	.0015	.0236	.1019	.2382	.2971	.2127	.0936	.0264	.0050
8.99	.0000	.0000	.0000	.0000	.0015	.0232	.1008	.2369	.2972	.2139	.0946	.0269	.0051
9	.0000	.0000	.0000	.0000	.0015	.0228	.0996	.2356	.2972	.2151	.0957	.0273	.0052