

k	Insertase-pH6	Fit	residue	Mo-Oxo	Mo-Oxo+8	Mo-O	Mo-O+18	Mo-S	Mo-S+15
0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	8.000.000.000	0.000000000	1.800.000.000	0.000000000	1.500.000.000
0.05000000075	6,49E+04	-1,16E+04	7,65E+04	-1,63E+04	7,999.983.788	3,67E+03	1.800.000.381	1,01E+03	1.500.000.095
0.1000000015	0.0005970000036	-9,23E+04	0.0005970000036	-0.0001300000004	7.999.869.823	2,95E+04	1.800.002.861	8,12E+03	1.500.000.858
0.1500000060	0.0016599999951	-0.0003100000031	0.0016600000023	-0.0004370000097	7.999.563.217	1,00E+05	1.800.009.918	2,75E+04	1.500.002.766
0.2000000030	0.0038099999907	-0.0007280000136	0.0045300000035	-0.0010300000043	7.998.970.032	0.0002390000009	1.800.023.842	6,53E+04	1.500.006.485
0.2500000000	0.0072099999952	-0.0014100000026	0.0086200000444	-0.0020099999938	7.997.990.131	0.0004699999990	1.800.046.921	0.0001279999997	1.500.012.779
0.30000000119	0.012099999993	-0.0024000000114	0.014499999958	-0.003439999884	7.996.560.097	0.00082000000157	1.800.082.016	0.0002220000024	1.500.022.221
0.3499999940	0.01850000024	-0.003749999916	0.022299999937	-0.005429999903	7.994.569.778	0.0013200000039	1.800.131.989	0.0003539999889	1.500.035.381
0.4000000060	0.02669999935	-0.005510000046	0.03220000118	-0.008030000143	7.991.970.062	0.0019900000019	1.800.198.936	0.0005319999764	1.500.053.215
0.4499999881	0.03660000116	-0.007679999806	0.04430000111	-0.01130000036	7.988.699.913	0.002869999968	1.800.287.056	0.0007619999815	1.500.076.199
0.5000000000	0.04820000008	-0.01030000020	0.058499999934	-0.01530000009	7.984.700.203	0.003990000114	1.800.399.017	0.001049999963	1.500.105.000
0.5500000119	0.06080000103	-0.01339999959	0.07419999689	-0.02019999921	7.979.800.224	0.005390000064	1.800.539.017	0.001410000026	1.500.140.953
0.6000000238	0.07450000197	-0.01679999940	0.09139999747	-0.02580000088	7.974.199.772	0.007100000046	1.800.709.915	0.001850000001	1.500.185.013
0.6499999762	0.08839999884	-0.02080000006	0.1091916934	-0.03229999915	7.967.700.005	0.009150000289	1.800.914.955	0.002369999886	1.500.236.988
0.6999999881	0.1020521894	-0.02500000037	0.1270121187	-0.03959999979	7.960.400.105	0.01159999985	1.801.160.049	0.003010000102	1.500.300.980
0.7500000000	0.1158319637	-0.02930000052	0.1451313943	-0.04749999940	7.952.499.866	0.01439999975	1.801.440.048	0.003800000064	1.500.380.039
0.8000000119	0.1286485344	-0.03379999846	0.1624228656	-0.05629999936	7.943.699.837	0.01769999973	1.801.770.020	0.004749999847	1.500.475.025
0.8500000238	0.1391974539	-0.03830000013	0.1774732172	-0.06560000032	7.934.400.082	0.02150000073	1.802.149.963	0.005859999917	1.500.586.033
0.8999999762	0.1476995945	-0.04270000011	0.1903772354	-0.07559999824	7.924.399.853	0.02569999918	1.802.569.962	0.007160000037	1.500.716.019
0.9499999881	0.1504105031	-0.04679999873	0.1972476542	-0.08600000292	7.914.000.034	0.03050000034	1.803.050.041	0.008670000359	1.500.866.985
1.000.000.000	0.1492498815	-0.05059999973	0.1998452842	-0.09669999778	7.903.299.809	0.03570000082	1.803.569.984	0.01040000003	1.501.039.982
1.049.999.952	0.1455788463	-0.05380000174	0.1993572265	-0.1076681390	7.892.332.077	0.04149999842	1.804.150.009	0.01240000036	1.501.239.967
1.100.000.024	0.1283319145	-0.05539999902	0.1837693155	-0.1181743667	7.881.825.447	0.04769999906	1.804.770.088	0.01510000043	1.501.509.953
1.149.999.976	0.1180664971	-0.05530000106	0.1733786613	-0.1280124635	7.871.987.343	0.05420000106	1.805.419.922	0.01850000024	1.501.850.033
1.200.000.048	0.08569999784	-0.05359999835	0.1392479837	-0.1371705234	7.862.829.685	0.06109999865	1.806.110.001	0.02239999920	1.502.239.990
1.250.000.000	0.05920000002	-0.05000000075	0.1091855690	-0.1453685462	7.854.631.424	0.06830000132	1.806.830.025	0.02700000070	1.502.700.043
1.299.999.952	0.01600000076	-0.04430000111	0.06030000001	-0.1523052007	7.847.694.874	0.07569999993	1.807.570.076	0.03229999915	1.503.230.000
1.350.000.024	-0.03159999847	-0.03620000184	0.004590000026	-0.1576598138	7.842.339.993	0.08309999853	1.808.309.937	0.03840000182	1.503.839.970
1.399.999.976	-0.08529999852	-0.02429999970	-0.06100000069	-0.1604699641	7.839.529.991	0.09040000290	1.809.040.070	0.04580000043	1.504.580.021
1.450.000.048	-0.1498350948	-0.007400000002	-0.1424368918	-0.1598047763	7.840.195.179	0.09719999880	1.809.720.039	0.05519999936	1.505.519.962
1.500.000.000	-0.2207143754	0.01319999993	-0.2388659018	-0.1561445445	7.843.855.381	0.1034616828	1.810.346.222	0.06580000371	1.506.579.971
1.549.999.952	-0.3007620275	0.03759999946	-0.3383505940	-0.1491042972	7.850.895.882	0.1090337411	1.810.903.358	0.077699999653	1.507.769.966
1.600.000.024	-0.3548170328	0.06610000134	-0.4208867252	-0.1383016706	7.861.698.151	0.1136979982	1.811.369.705	0.09070000052	1.509.070.015
1.649.999.976	-0.4190180898	0.09870000184	-0.5177194476	-0.1233623028	7.876.637.459	0.1172360703	1.811.723.518	0.1048275977	1.510.482.788

1.700.000.048	-0.4813217521	0.1381665468	-0.6194882989	-0.1015616208	7.898.438.454	0.1186420619	1.811.864.281	0.1210860983	1.512.108.612
1.750.000.000	-0.5157604814	0.1821265519	-0.6978870630	-0.07419999689	7.925.799.847	0.1181277931	1.811.812.782	0.1382223368	1.513.822.269
1.799.999.952	-0.5726916790	0.2298486084	-0.8025402427	-0.0414000045	7.958.600.044	0.1155649275	1.811.556.435	0.1557001024	1.515.569.973
1.850.000.024	-0.5844030380	0.2809078991	-0.8653109074	-0.00289999963	7.997.099.876	0.1107267216	1.811.072.731	0.1730803847	1.517.308.044
1.899.999.976	-0.6230815053	0.3347662389	-0.9578477740	0.04149999842	8.041.500.092	0.1034033224	1.810.340.309	0.1898452789	1.518.984.509
1.950.000.048	-0.6047077775	0.3913190663	-0.9960268140	0.09440000355	8.094.400.406	0.09239999950	1.809.239.960	0.2045648396	1.520.456.505
2.000.000.000	-0.5849157572	0.4485373795	-1.033.453.107	0.1544800252	8.154.479.980	0.07789999992	1.807.789.993	0.2161915153	1.521.619.129
2.049.999.952	-0.5360214710	0.5049239397	-1.040.945.411	0.2207021564	8.220.702.171	0.06019999832	1.806.019.974	0.2239940614	1.522.399.426
2.099.999.905	-0.4773377180	0.5592582226	-1.036.595.941	0.2928702831	8.292.870.522	0.03940000013	1.803.940.010	0.2269875258	1.522.698.784
2.150.000.095	-0.4063819349	0.6102690101	-1.016.650.915	0.3706955314	8.370.695.114	0.01539999992	1.801.539.993	0.2241748273	1.522.417.450
2.200.000.048	-0.3110636175	0.6537072062	-0.9647708535	0.4564608335	8.456.460.953	-0.01319999993	1.798.679.924	0.2104430199	1.521.044.350
2.250.000.000	-0.2302453071	0.6891235113	-0.9193688035	0.5473618507	8.547.361.374	-0.04509999976	1.795.490.074	0.1869081706	1.518.690.777
2.299.999.952	-0.1389655769	0.7159045339	-0.8548700809	0.6419521570	8.641.952.515	-0.07980000228	1.792.020.035	0.1537410021	1.515.374.088
2.349.999.905	-0.05799999833	0.7330477238	-0.7910216451	0.7393578291	8.739.357.948	-0.1167396605	1.788.326.073	0.1104295328	1.511.042.976
2.400.000.095	0.02610000037	0.7392072678	-0.7131546736	0.8386457562	8.838.645.935	-0.1557288468	1.784.427.071	0.05629999936	1.505.630.016
2.450.000.048	0.1402730644	0.7252821922	-0.5850090981	0.9382677078	8.938.267.708	-0.1984293014	1.780.157.089	-0.01460000034	1.498.540.020
2.500.000.000	0.2330069840	0.7006739974	-0.4676670134	1.034.974.098	9.034.974.098	-0.2404962927	1.775.950.432	-0.09380000085	1.490.620.041
2.549.999.952	0.2504787743	0.6666797996	-0.4162010252	1.127.075.911	9.127.076.149	-0.2808876634	1.771.911.240	-0.1795084774	1.482.049.179
2.599.999.905	0.3794330955	0.6250782609	-0.2456451505	1.212.839.842	9.212.840.080	-0.3185277283	1.768.147.278	-0.2692339122	1.473.076.630
2.650.000.095	0.4448287189	0.5858786106	-0.1410499066	1.297.904.730	9.297.904.968	-0.3531140089	1.764.688.683	-0.3589120209	1.464.108.753
2.700.000.048	0.5375835896	0.5509213805	-0.01329999976	1.381.790.638	9.381.790.161	-0.3844420910	1.761.555.862	-0.4464271069	1.455.357.265
2.750.000.000	0.6157332659	0.5117147565	0.1040185094	1.452.358.246	9.452.358.246	-0.4105894268	1.758.941.078	-0.5300540924	1.446.994.591
2.799.999.952	0.7316606641	0.4706860781	0.2609745562	1.506.750.226	9.506.750.107	-0.4303542972	1.756.964.493	-0.6057098508	1.439.428.997
2.849.999.905	0.8224359155	0.4303468168	0.3920890987	1.542.206.645	9.542.206.764	-0.4426268041	1.755.737.305	-0.6692329645	1.433.076.668
2.900.000.095	0.8803470135	0.3883676827	0.4919793308	1.569.232.702	9.569.232.941	-0.4522960484	1.754.770.470	-0.7285689912	1.427.143.097
2.950.000.048	0.9669746757	0.3497771621	0.6171975136	1.579.773.664	9.579.773.903	-0.4552217424	1.754.477.882	-0.7747747898	1.422.522.545
3.000.000.000	0.9929000735	0.3167748749	0.6761252284	1.571.645.737	9.571.645.737	-0.4504802227	1.754.952.049	-0.8043906093	1.419.560.909
3.049.999.952	0.9955290556	0.2909259200	0.7046030760	1.543.823.481	9.543.823.242	-0.4377348125	1.756.226.540	-0.8151627779	1.418.483.734
3.099.999.905	0.9631148577	0.2726941407	0.6904207468	1.494.231.939	9.494.232.178	-0.4166790247	1.758.332.062	-0.8048588037	1.419.514.084
3.150.000.095	0.8567708135	0.2629273236	0.5938435197	1.421.996.951	9.421.997.070	-0.3870508373	1.761.294.937	-0.7720187902	1.422.798.157
3.200.000.048	0.8048393130	0.2628256083	0.5420137048	1.328.427.911	9.328.428.268	-0.3490824699	1.765.091.705	-0.7165198326	1.428.347.969
3.250.000.000	0.7437756062	0.2721801102	0.4715954959	1.213.730.693	9.213.730.812	-0.3031150997	1.769.688.416	-0.6384354830	1.436.156.464
3.299.999.952	0.5625823140	0.2900232673	0.2725590169	1.077.957.034	9.077.957.153	-0.2495268285	1.775.047.302	-0.5384069085	1.446.159.267
3.349.999.905	0.3213037252	0.3125360012	0.00877000190	0.9163652658	8.916.365.623	-0.1872088462	1.781.279.182	-0.4166204035	1.458.337.975
3.400.000.095	0.3079065382	0.3400709629	-0.03220000118	0.7364635468	8.736.463.547	-0.1189566702	1.788.104.248	-0.2774359584	1.472.256.374

3.450.000.048	0.2275533974	0.3703365922	-0.1427831948	0.5400093794	8.540.009.499	-0.04589999840	1.795.409.966	-0.1237657294	1.487.623.405
3.500.000.000	0.01700000092	0.4006300867	-0.3836126924	0.3290820122	8.329.082.489	0.03070000000	1.803.070.068	0.04089999944	1.504.090.023
3.549.999.952	-0.1287629753	0.4249224067	-0.5536854267	0.1015367880	8.101.536.751	0.1110313386	1.811.103.058	0.2123542875	1.521.235.466
3.599.999.905	-0.2153840065	0.4409534335	-0.6563744400	-0.1375252455	7.862.474.918	0.1927050352	1.819.270.515	0.3857736290	1.538.577.366
3.650.000.095	-0.2604414523	0.4464167953	-0.7068582773	-0.3833912015	7.616.608.620	0.2733531892	1.827.335.358	0.5564548373	1.555.645.466
3.700.000.048	-0.2436882854	0.4380770624	-0.6817653179	-0.6327399611	7.367.259.979	0.3512335718	1.835.123.444	0.7195834517	1.571.958.351
3.750.000.000	-0.3072656095	0.4134617746	-0.7207273841	-0.8821018338	7.117.897.987	0.4246664643	1.842.466.736	0.8708971739	1.587.089.729
3.799.999.952	-0.1134840772	0.3699053526	-0.4833894372	-1.127.106.428	6.872.893.333	0.4916823506	1.849.168.205	1.005.329.490	1.600.532.913
3.849.999.905	-0.2910211086	0.3041662276	-0.5951873064	-1.363.665.819	6.636.334.419	0.5504363775	1.855.043.602	1.117.395.759	1.611.739.540
3.900.000.095	-0.1765946597	0.2144486308	-0.3910432756	-1.588.041.663	6.411.958.218	0.5994235277	1.859.942.436	1.203.066.826	1.620.306.778
3.950.000.048	-0.1793325692	0.09929999709	-0.2786101997	-1.797.276.974	6.202.723.026	0.6375387907	1.863.753.891	1.259.015.799	1.625.901.604
4.000.000.000	-0.1694590449	-0.04470000044	-0.1247581691	-1.991.470.933	6.008.529.186	0.6646461487	1.866.464.615	1.282.123.923	1.628.212.357
4.050.000.191	-0.1780781597	-0.2153859288	0.03730000183	-2.163.337.231	5.836.662.769	0.6784957051	1.867.849.541	1.269.455.552	1.626.945.496
4.099.999.905	-0.4500291049	-0.4110916555	-0.03889999911	-2.309.705.496	5.690.294.266	0.6784385443	1.867.843.819	1.220.175.147	1.622.017.479
4.150.000.095	-0.1676285267	-0.6290534735	0.4614249468	-2.427.738.667	5.572.261.333	0.6641381979	1.866.413.879	1.134.546.995	1.613.454.628
4.199.999.809	-0.2991871834	-0.8676683903	0.5684812665	-2.514.487.028	5.485.512.733	0.6347093582	1.863.470.840	1.012.109.160	1.601.210.976
4.250.000.000	-0.6469803452	-1.120.241.642	0.4732613266	-2.567.137.241	5.432.862.759	0.5908330679	1.859.083.366	0.8560625911	1.585.606.289
4.300.000.191	-0.3167684376	-1.380.485.535	1.063.717.127	-2.584.170.580	5.415.829.659	0.5333279371	1.853.332.710	0.6703571677	1.567.035.675
4.349.999.905	-0.6034745574	-1.641.515.136	1.038.040.519	-2.564.654.112	5.435.345.650	0.4632901847	1.846.328.926	0.4598488212	1.545.984.840
4.400.000.095	-1.126.930.118	-1.900.107.026	0.7731769085	-2.510.954.142	5.489.046.097	0.3821907938	1.838.219.070	0.2286563218	1.522.865.677
4.449.999.809	-1.303.595.901	-2.146.371.841	0.8427758813	-2.421.692.133	5.578.308.105	0.2914079130	1.829.140.854	-0.01610000059	1.498.390.007
4.500.000.000	-1.399.306.536	-2.369.692.326	0.9703857899	-2.296.276.808	5.703.722.954	0.1928467453	1.819.284.630	-0.2662622631	1.473.373.795
4.550.000.191	-1.526.647.329	-2.561.480.045	1.034.832.716	-2.136.103.868	5.863.896.370	0.08869999647	1.808.869.934	-0.5141047835	1.448.589.516
4.599.999.905	-1.760.176.063	-2.717.233.896	0.9570577741	-1.944.999.695	6.055.000.305	-0.01869999990	1.798.130.035	-0.7535229921	1.424.647.713
4.650.000.095	-1.575.594.068	-2.829.578.161	1.253.983.974	-1.725.416.780	6.274.583.340	-0.1272441596	1.787.275.505	-0.9769171476	1.402.308.273
4.699.999.809	-1.801.906.109	-2.886.946.201	1.085.040.092	-1.478.181.958	6.521.818.161	-0.2341925353	1.776.580.811	-1.174.571.753	1.382.542.801
4.750.000.000	-2.177.004.099	-2.883.247.375	0.7062430382	-1.206.818.342	6.793.181.419	-0.3369671106	1.766.303.253	-1.339.461.803	1.366.053.772
4.800.000.191	-2.403.904.200	-2.815.070.152	0.4111658633	-0.9158764482	7.084.123.611	-0.4332803488	1.756.671.906	-1.465.913.296	1.353.408.623
4.849.999.905	-2.193.769.932	-2.681.007.147	0.4872371852	-0.6098618507	7.390.138.149	-0.5213588476	1.747.864.151	-1.549.786.448	1.345.021.343
4.900.000.095	-1.917.942.286	-2.476.535.082	0.5585927367	-0.2915627956	7.708.436.966	-0.5985279083	1.740.147.209	-1.586.444.259	1.341.355.610
4.949.999.809	-1.722.023.129	-2.202.387.571	0.4803645015	0.03409999982	8.034.099.579	-0.6628088355	1.733.719.063	-1.573.714.614	1.342.628.574
5.000.000.000	-1.870.965.958	-1.861.834.049	-0.009130000137	0.3622038066	8.362.203.598	-0.7127266526	1.728.727.341	-1.511.311.293	1.348.868.847
5.050.000.191	-1.433.508.158	-1.461.052.418	0.02749999985	0.6887037158	8.688.703.537	-0.7484377027	1.725.156.212	-1.401.318.431	1.359.868.145
5.099.999.905	-0.8687862754	-1.002.083.063	0.1332968473	1.008.748.055	9.008.748.055	-0.7673517466	1.723.264.885	-1.243.479.252	1.375.652.122
5.150.000.095	-0.6000563502	-0.4936938286	-0.1063624993	1.317.216.158	9.317.215.919	-0.7688429356	1.723.115.730	-1.042.067.170	1.395.793.247

5.199.999.809	0.1009045988	0.0533999869	0.04749999940	1.609.117.508	9.609.117.508	-0.7527257204	1.724.727.440	-0.8029526472	1.419.704.723
5.250.000.000	0.3754931688	0.6278708577	-0.2523776591	1.881.290.555	9.881.290.436	-0.7204291821	1.727.957.153	-0.5329905152	1.446.700.954
5.300.000.191	0.7868199348	1.216.927.767	-0.4301078618	2.128.865.242	1.012.886.524	-0.6714677215	1.732.853.317	-0.2404698431	1.475.953.007
5.349.999.905	1.522.977.233	1.805.972.219	-0.2829950154	2.347.678.423	1.034.767.818	-0.6068440080	1.739.315.605	0.0650999931	1.506.509.972
5.400.000.095	2.163.919.926	2.379.754.782	-0.2158347666	2.534.060.717	1.053.406.048	-0.5280331969	1.747.196.770	0.3737272024	1.537.372.684
5.449.999.809	2.714.506.149	2.930.962.801	-0.2164565176	2.689.770.460	1.068.977.070	-0.4373847544	1.756.261.444	0.6785770655	1.567.857.742
5.500.000.000	3.580.955.267	3.439.714.193	0.1412410140	2.808.903.217	1.080.890.274	-0.3362677991	1.766.373.253	0.9670788050	1.596.707.916
5.550.000.191	4.166.589.737	3.889.313.459	0.2772760093	2.888.137.341	1.088.813.782	-0.2269264907	1.777.307.320	1.228.102.684	1.622.810.364
5.599.999.905	4.247.013.569	4.266.040.802	-0.01899999939	2.925.935.268	1.092.593.575	-0.1119992509	1.788.800.049	1.452.104.568	1.645.210.457
5.650.000.095	4.382.802.963	4.564.095.497	-0.1812922955	2.925.032.854	1.092.503.262	0.005770000163	1.800.576.973	1.633.293.509	1.663.329.315
5.699.999.809	4.967.849.255	4.770.594.120	0.1972551346	2.883.647.919	1.088.364.792	0.1238432676	1.812.384.415	1.763.102.889	1.676.310.349
5.750.000.000	5.068.381.786	4.874.444.485	0.1939372867	2.800.420.046	1.080.041.981	0.2393745035	1.823.937.416	1.834.649.920	1.683.465.004
5.800.000.191	4.657.148.361	4.870.271.206	-0.2131227851	2.676.405.191	1.067.640.495	0.3495156765	1.834.951.591	1.844.350.338	1.684.435.081
5.849.999.905	4.439.778.805	4.762.979.507	-0.3232006729	2.519.340.515	1.051.934.052	0.4524449408	1.845.244.408	1.791.194.081	1.679.119.492
5.900.000.095	4.103.641.033	4.551.940.918	-0.4482997656	2.329.977.512	1.032.997.704	0.5461935401	1.854.619.408	1.675.769.448	1.667.576.981
5.949.999.809	4.231.304.169	4.234.272.480	-0.002970000030	2.105.686.188	1.010.568.619	0.6278693676	1.862.786.865	1.500.717.044	1.650.071.716
6.000.000.000	3.653.054.237	3.816.269.159	-0.1632148325	1.849.592.090	9.849.592.209	0.6954057813	1.869.540.596	1.271.271.348	1.627.127.075
6.050.000.191	3.150.618.315	3.307.168.245	-0.1565501243	1.565.371.633	9.565.371.513	0.7470796704	1.874.707.985	0.9947170019	1.599.471.664
6.099.999.905	2.757.459.641	2.718.907.595	0.03860000148	1.257.194.757	9.257.194.519	0.7815600634	1.878.156.090	0.6801528931	1.568.015.289
6.150.000.095	1.696.212.173	2.065.787.315	-0.3695749938	0.9296584129	8.929.658.890	0.7979460955	1.879.794.693	0.3381826580	1.533.818.245
6.199.999.809	1.067.547.560	1.364.050.269	-0.2965027392	0.5877108574	8.587.711.334	0.7957944274	1.879.579.353	-0.01950000040	1.498.050.022
6.250.000.000	0.2764127553	0.6313988566	-0.3549860716	0.2365695834	8.236.569.405	0.7751333117	1.877.513.313	-0.3803040981	1.461.969.566
6.300.000.191	-0.8807289600	-0.1135454029	-0.7671835423	-0.1183669716	7.881.632.805	0.7364645600	1.873.646.545	-0.7316430211	1.426.835.728
6.349.999.905	-1.350.612.521	-0.8548346162	-0.4957779050	-0.4736727178	7.526.327.133	0.6813493371	1.868.134.880	-1.062.511.206	1.393.748.856
6.400.000.095	-2.346.128.702	-1.580.709.815	-0.7654190063	-0.8294463158	7.170.553.684	0.6115809679	1.861.158.180	-1.362.844.348	1.363.715.553
6.449.999.809	-3.019.106.388	-2.265.187.263	-0.7539191842	-1.175.461.292	6.824.538.708	0.5267825723	1.852.678.299	-1.616.508.365	1.338.349.152
6.500.000.000	-3.839.302.301	-2.891.029.835	-0.9482722878	-1.506.218.910	6.493.781.090	0.4289981127	1.842.899.895	-1.813.809.156	1.318.619.061
6.550.000.191	-4.455.030.918	-3.442.900.896	-1.012.129.903	-1.816.428.542	6.183.571.339	0.3206202090	1.832.061.958	-1.947.092.414	1.305.290.794
6.599.999.905	-5.131.434.441	-3.907.828.569	-1.223.605.752	-2.101.101.160	5.898.899.078	0.2043278813	1.820.432.854	-2.011.055.231	1.298.894.501
6.650.000.095	-5.544.783.115	-4.275.588.512	-1.269.194.961	-2.355.638.504	5.644.361.496	0.08299999684	1.808.300.018	-2.002.965.689	1.299.703.407
6.699.999.809	-5.539.757.252	-4.538.983.345	-1.000.773.787	-2.575.916.767	5.424.083.233	-0.04030000046	1.795.969.963	-1.922.785.997	1.307.721.424
6.750.000.000	-5.869.079.113	-4.694.018.841	-1.175.059.915	-2.758.360.386	5.241.639.614	-0.1624705791	1.783.753.014	-1.773.188.233	1.322.681.141
6.800.000.191	-5.077.663.422	-4.739.962.578	-0.3377012014	-2.900.009.632	5.099.990.368	-0.2804866135	1.771.951.294	-1.559.466.124	1.344.053.364
6.849.999.905	-5.534.709.930	-4.679.526.806	-0.8551830053	-2.998.881.340	5.001.118.660	-0.3914651573	1.760.853.577	-1.289.180.517	1.371.081.924
6.900.000.095	-5.372.144.699	-4.526.230.335	-0.8459146023	-3.064.207.554	4.935.792.446	-0.4964114428	1.750.358.772	-0.9656113386	1.403.438.854

6.949.999.809	-4.470.736.027	-4.278.186.321	-0.1925497651	-3.082.227.468	4.917.772.293	-0.5891183615	1.741.088.104	-0.6068405509	1.439.315.987
7.000.000.000	-4.253.028.870	-3.946.197.271	-0.3068313897	-3.052.404.642	4.947.595.596	-0.6671417356	1.733.285.904	-0.2266508937	1.477.334.881
7.050.000.191	-3.626.475.573	-3.543.080.330	-0.08340000361	-2.975.019.693	5.024.980.545	-0.7284241915	1.727.157.593	0.1603633910	1.516.036.320
7.099.999.905	-3.649.406.672	-3.083.140.850	-0.5662658215	-2.851.168.633	5.148.831.367	-0.7713537216	1.722.864.532	0.5393814445	1.553.938.103
7.150.000.095	-3.072.672.129	-2.581.610.918	-0.4910613000	-2.682.750.463	5.317.249.298	-0.7948096991	1.720.519.066	0.8959493637	1.589.594.936
7.199.999.809	-2.256.912.470	-2.054.073.334	-0.2028391361	-2.472.436.190	5.527.564.049	-0.7981948256	1.720.180.511	1.216.557.860	1.621.655.846
7.250.000.000	-2.179.702.759	-1.515.898.585	-0.6638040543	-2.223.625.422	5.776.374.817	-0.7814528942	1.721.854.782	1.489.179.730	1.648.917.961
7.300.000.191	-0.1275609881	-0.9817133546	0.8541523814	-1.940.387.726	6.059.612.274	-0.7450704575	1.725.492.859	1.703.744.769	1.670.374.489
7.349.999.905	-0.9146181941	-0.4649227262	-0.4496954381	-1.627.392.650	6.372.607.231	-0.6900634766	1.730.993.652	1.852.533.340	1.685.253.334
7.400.000.095	-0.6011999249	0.03150000051	-0.6327370405	-1.283.224.463	6.716.775.417	-0.6175608039	1.738.243.866	1.932.322.383	1.693.232.155
7.449.999.809	1.084.592.700	0.4928134084	0.5917792916	-0.9159647822	7.084.035.397	-0.5286967754	1.747.130.394	1.937.474.966	1.693.747.520
7.500.000.000	1.021.949.768	0.9089559317	0.1129939035	-0.5331058502	7.466.894.150	-0.4258893430	1.757.411.003	1.867.951.155	1.686.795.044
7.550.000.191	1.629.186.273	1.274.063.945	0.3551223278	-0.1412695944	7.858.730.316	-0.3119791746	1.768.802.071	1.727.312.803	1.672.731.209
7.599.999.905	1.964.941.144	1.584.589.958	0.3803510964	0.2527456880	8.252.745.628	-0.1901179552	1.780.988.121	1.521.962.285	1.652.196.312
7.650.000.095	2.601.503.849	1.839.265.585	0.7622382641	0.6420924067	8.642.092.705	-0.06369999796	1.793.630.028	1.260.850.072	1.626.085.091
7.699.999.809	2.751.175.404	2.038.931.131	0.7122442722	1.020.002.484	9.020.002.365	0.06390000135	1.806.389.999	0.9550772905	1.595.507.717
7.750.000.000	3.243.458.509	2.186.279.774	1.057.178.855	1.379.914.761	9.379.915.237	0.1889543980	1.818.895.531	0.6174105406	1.561.741.066
7.800.000.191	1.753.004.670	2.285.533.190	-0.5325284600	1.715.599.060	9.715.599.060	0.3082023859	1.830.820.274	0.2617315352	1.526.173.115
7.849.999.905	3.217.509.270	2.342.067.003	0.8754421473	2.021.274.328	1.002.127.457	0.4183475375	1.841.834.831	-0.09759999812	1.490.240.002
7.900.000.095	3.455.926.418	2.368.033.171	1.087.893.248	2.299.520.731	1.029.952.049	0.5185762048	1.851.857.567	-0.4500637949	1.454.993.629
7.949.999.809	3.136.580.229	2.364.678.860	0.7719013691	2.541.608.095	1.054.160.786	0.6051139832	1.860.511.398	-0.7820432186	1.421.795.654
8.000.000.000	3.820.808.887	2.334.433.317	1.486.375.451	2.738.685.131	1.073.868.561	0.6743100286	1.867.431.068	-1.078.561.902	1.392.143.822
8.050.000.191	2.827.633.619	2.283.407.450	0.5442261696	2.887.236.595	1.088.723.660	0.7242634296	1.872.426.414	-1.328.092.694	1.367.190.742
8.100.000.381	2.975.410.461	2.217.119.217	0.7582913041	2.984.670.401	1.098.467.064	0.7536485195	1.875.364.876	-1.521.199.942	1.347.879.982
8.149.999.619	1.714.940.548	2.140.209.436	-0.4252688289	3.029.368.162	1.102.936.840	0.7617527246	1.876.175.308	-1.650.911.570	1.334.908.867
8.199.999.809	1.448.041.797	2.056.230.068	-0.6081883311	3.020.717.144	1.102.071.762	0.7484954596	1.874.849.510	-1.712.982.655	1.328.701.782
8.250.000.000	2.207.986.116	1.967.512.608	0.2404734194	2.959.121.227	1.095.912.170	0.7144273520	1.871.442.795	-1.706.036.091	1.329.396.439
8.300.000.191	2.158.898.115	1.875.120.878	0.2837771475	2.845.991.373	1.084.599.113	0.6607100368	1.866.070.938	-1.631.580.353	1.336.841.965
8.350.000.381	2.165.714.979	1.778.891.802	0.3868231773	2.683.714.867	1.068.371.487	0.5890772939	1.858.907.700	-1.493.900.299	1.350.609.970
8.399.999.619	1.510.447.741	1.676.110.387	-0.1656626463	2.476.511.002	1.047.651.100	0.5016943812	1.850.169.373	-1.302.095.056	1.369.790.459
8.449.999.809	2.573.579.550	1.564.995.050	1.008.584.499	2.226.826.191	1.022.682.571	0.4006625712	1.840.066.338	-1.062.493.920	1.393.750.572
8.500.000.000	2.055.377.245	1.444.707.036	0.6106703281	1.937.966.108	9.937.966.347	0.2889512777	1.828.895.187	-0.7822104096	1.421.778.965
8.550.000.191	3.005.834.818	1.312.204.957	1.693.629.742	1.615.560.889	9.615.560.532	0.1699474901	1.816.994.667	-0.4733034372	1.452.669.621
8.600.000.381	3.452.949.047	1.164.199.710	2.288.749.218	1.265.875.459	9.265.875.816	0.04720000178	1.804.719.925	-0.1489086300	1.485.109.138
8.649.999.619	1.856.259.584	0.9974866509	0.8587729335	0.8956808448	8.895.680.428	-0.07549999654	1.792.449.951	0.1773346812	1.517.733.479

8.699.999.809	1.467.260.718	0.8092827201	0.6579779983	0.5121154189	8.512.115.479	-0.1947054863	1.780.529.404	0.4918728173	1.549.187.279
8.750.000.000	1.657.984.138	0.5975469351	1.060.437.083	0.1225394830	8.122.539.520	-0.3068095148	1.769.318.962	0.7818169594	1.578.181.648
8.800.000.191	1.336.035.967	0.3612668514	0.9747691751	-0.2656152844	7.734.384.537	-0.4086048603	1.759.139.442	1.035.487.056	1.603.548.622
8.850.000.381	2.214.828.491	0.1006939188	2.114.134.789	-0.6449972391	7.355.002.880	-0.4972053468	1.750.279.427	1.242.896.557	1.624.289.703
8.899.999.619	0.97171719555	-0.1832899153	1.155.061.841	-1.011.283.755	6.988.716.125	-0.5710796714	1.742.892.075	1.399.073.601	1.639.907.455
8.949.999.809	0.3048689663	-0.4899124205	0.7947813869	-1.361.595.869	6.638.403.893	-0.6291737556	1.737.082.672	1.500.857.234	1.650.085.640
9.000.000.000	-0.002550000092	-0.8139904737	0.8114405870	-1.684.631.228	6.315.368.652	-0.6681956649	1.733.180.428	1.538.836.360	1.653.883.553
9.050.000.191	-0.6226476431	-1.149.538.159	0.5268903971	-1.974.310.279	6.025.689.602	-0.6871466041	1.731.285.286	1.511.918.783	1.651.191.902
9.100.000.381	-1.385.998.249	-1.489.088.058	0.1030897498	-2.225.243.568	5.774.756.432	-0.6856541038	1.731.434.631	1.421.809.554	1.642.181.015
9.149.999.619	-1.496.159.315	-1.823.902.845	0.3277436495	-2.432.839.394	5.567.160.606	-0.6639784575	1.733.602.142	1.272.914.767	1.627.291.489
9.199.999.809	-2.043.269.873	-2.144.266.605	0.1009968072	-2.593.394.756	5.406.605.244	-0.6229990721	1.737.700.081	1.072.127.104	1.607.212.639
9.250.000.000	-3.817.956.209	-2.439.845.562	-1.378.110.647	-2.704.167.604	5.295.832.634	-0.5641812682	1.743.581.963	0.8285032511	1.582.850.361
9.300.000.191	-2.908.047.199	-2.700.101.376	-0.2079458386	-2.763.427.258	5.236.572.742	-0.4895239174	1.751.047.516	0.5528497100	1.555.284.977
9.350.000.381	-3.894.320.250	-2.914.741.278	-0.979589123	-2.770.485.640	5.229.514.122	-0.4014911354	1.759.850.883	0.2572354078	1.525.723.553
9.399.999.619	-2.246.574.402	-3.076.555.967	0.8299816251	-2.727.638.721	5.272.361.279	-0.3030002415	1.769.700.050	-0.04589999840	1.495.409.966
9.449.999.809	-5.284.092.903	-3.182.502.985	-2.101.589.918	-2.640.569.687	5.359.430.313	-0.1968890429	1.780.311.012	-0.3450442553	1.465.495.586
9.500.000.000	-2.944.930.792	-3.216.184.139	0.2712534666	-2.503.918.409	5.496.081.352	-0.08590000123	1.791.410.065	-0.6263579726	1.437.364.197
9.550.000.191	-3.511.739.016	-3.172.040.224	-0.3396987915	-2.320.587.397	5.679.412.842	0.02649999969	1.802.650.070	-0.8779701591	1.412.203.026
9.600.000.381	-4.020.844.460	-3.046.859.026	-0.9739854336	-2.094.400.406	5.905.599.594	0.1369474679	1.813.694.763	-1.089.406.013	1.391.059.399
9.649.999.619	-3.554.701.328	-2.840.030.909	-0.7146705985	-1.830.020.785	6.169.979.095	0.2420385927	1.824.203.873	-1.252.048.612	1.374.795.151
9.699.999.809	-3.957.828.999	-2.553.701.878	-1.404.127.121	-1.532.851.219	6.467.148.781	0.3386464715	1.833.864.594	-1.359.497.070	1.364.050.293
9.750.000.000	-3.197.069.645	-2.192.817.688	-1.004.251.957	-1.208.920.240	6.791.079.521	0.4239243269	1.842.392.349	-1.407.821.774	1.359.217.834
9.800.000.191	-0.6232491136	-1.765.052.915	1.141.803.741	-0.8647552729	7.135.244.846	0.4954099953	1.849.541.092	-1.395.707.607	1.360.429.192
9.850.000.381	-2.534.504.890	-1.280.625.582	-1.253.879.428	-0.5072450638	7.492.754.936	0.5510995388	1.855.109.978	-1.324.480.057	1.367.551.994
9.899.999.619	-2.214.463.234	-0.7510070205	-1.463.456.273	-0.1430152208	7.856.984.615	0.5898594260	1.858.985.901	-1.197.851.300	1.380.214.882
9.949.999.809	1.171.008.468	-0.1812062860	1.352.214.813	0.2263443768	8.226.344.109	0.6133079529	1.861.330.795	-1.020.858.645	1.397.914.124
1.000.000.000	1.347.808.123	0.4056475163	0.9421605468	0.5911077857	8.591.107.368	0.6178330183	1.861.783.218	-0.8032932878	1.419.670.677
1.005.000.019	0.4709119499	0.9921733737	-0.5212614536	0.9440327287	8.944.032.669	0.6033968329	1.860.339.737	-0.5552561879	1.444.474.411
1.010.000.038	2.045.589.685	1.560.666.919	0.4849228859	1.278.118.849	9.278.119.087	0.5705586672	1.857.055.855	-0.2880105972	1.471.198.940
1.014.999.962	2.188.653.946	2.093.741.655	0.09489999712	1.586.751.580	9.586.751.938	0.5204537511	1.852.045.441	-0.01350000035	1.498.649.979
1.019.999.981	1.382.515.311	2.574.964.523	-1.192.449.212	1.863.838.673	9.863.838.196	0.4547537863	1.845.475.388	0.2563720047	1.525.637.245
1.025.000.000	2.596.824.408	2.989.457.607	-0.3926331103	2.103.934.765	1.010.393.524	0.3756106198	1.837.561.035	0.5099121928	1.550.991.249
1.030.000.019	1.638.211.250	3.324.444.294	-1.686.233.163	2.302.353.144	1.030.235.291	0.2855843008	1.828.558.350	0.7365069389	1.573.650.742
1.035.000.038	1.858.857.989	3.569.714.546	-1.710.856.557	2.455.260.992	1.045.526.123	0.1875587851	1.818.755.913	0.9268946052	1.592.689.419
1.039.999.962	3.065.045.118	3.717.990.637	-0.6529455781	2.559.756.994	1.055.975.723	0.08460000157	1.808.460.045	1.073.585.987	1.607.358.551

1.044.999.981 1.346.768.737 3.765.182.734 -2.418.414.116 2.613.928.795 1.061.392.879 -0.01989999972 1.798.010.063 1.171.161.532 1.617.116.165
1.050.000.000 1.292.237.878 3.710.518.599 -2.418.280.602 2.616.890.430 1.061.688.995 -0.1228410974 1.787.715.912 1.216.469.049 1.621.646.881
1.055.000.019 2.988.064.766 3.556.546.688 -0.5684820414 2.568.797.112 1.056.879.711 -0.2209676504 1.777.903.175 1.208.717.346 1.620.871.735
1.060.000.038 2.696.170.807 3.309.015.036 -0.6128443480 2.470.839.262 1.047.083.950 -0.3112838268 1.768.871.689 1.149.459.720 1.614.945.984
1.064.999.962 4.381.251.812 2.976.625.919 1.404.626.012 2.325.213.194 1.032.521.343 -0.3910621107 1.760.893.822 1.042.474.747 1.604.247.475
1.069.999.981 1.741.722.822 2.570.685.863 -0.8289631009 2.135.072.947 1.013.507.271 -0.4579353034 1.754.206.467 0.8935483098 1.589.354.801
1.075.000.000 0.6507942677 2.104.660.749 -1.453.866.601 1.904.459.953 9.904.459.953 -0.5099687576 1.749.003.220 0.7101696134 1.571.016.979
1.080.000.019 2.916.425.943 1.593.657.255 1.322.768.569 1.638.215.899 9.638.216.019 -0.5457176566 1.745.428.276 0.5011591315 1.550.115.871
1.085.000.038 0.5830841660 1.053.853.631 -0.4707694352 1.341.878.176 9.341.877.937 -0.5642679334 1.743.573.189 0.2762433589 1.527.624.321
1.089.999.962 0.2405190766 0.5019022822 -0.2613832355 1.021.561.742 9.021.561.623 -0.5652596951 1.743.474.007 0.04560000077 1.504.559.994
1.094.999.981 -3.577.373.981 -0.05389999971 -3.523.498.297 0.6802141666 8.680.213.928 -0.5504472256 1.744.955.254 -0.1836425364 1.481.635.761
1.100.000.000 -1.782.578.826 -0.5931966901 -1.189.382.076 0.3252022266 8.325.201.988 -0.5184496045 1.748.155.022 -0.3999492824 1.460.005.093
1.105.000.019 0.1337727755 -1.099.973.559 1.233.746.409 -0.03599999845 7.964.000.225 -0.4702296555 1.752.976.990 -0.5937879682 1.440.621.185
1.110.000.038 -0.9518088102 -1.560.355.663 0.6085468531 -0.3958348632 7.604.165.077 -0.4074452817 1.759.255.409 -0.7570754886 1.424.292.469
1.114.999.962 -2.429.634.094 -1.962.539.434 -0.4670945704 -0.7470439672 7.252.955.914 -0.3322145343 1.766.778.564 -0.8832808733 1.411.671.925
1.119.999.981 -3.592.697.859 -2.297.113.180 -1.295.584.559 -1.082.384.109 6.917.615.891 -0.2470429987 1.775.295.639 -0.9676860571 1.403.231.430
1.125.000.000 -1.907.134.771 -2.557.296.515 0.6501617432 -1.394.999.027 6.605.000.973 -0.1547393799 1.784.526.062 -1.007.558.107 1.399.244.213
1.130.000.019 -2.187.700.033 -2.739.068.270 0.5513681173 -1.678.519.607 6.321.480.274 -0.05829999960 1.794.169.998 -1.002.227.545 1.399.777.222
1.135.000.038 -2.295.608.521 -2.841.180.086 0.5455715656 -1.927.197.456 6.072.802.544 0.03909999877 1.803.910.065 -0.9530684352 1.404.693.127
1.139.999.962 -0.2874050140 -2.865.062.714 2.577.657.700 -2.136.024.952 5.863.975.048 0.1343500167 1.813.434.982 -0.8633878231 1.413.661.194
1.144.999.981 -4.531.208.992 -2.814.628.839 -1.716.580.153 -2.300.839.186 5.699.160.576 0.2244371921 1.822.443.771 -0.7382268310 1.426.177.311
1.150.000.000 -1.282.224.059 -2.695.988.178 1.413.764.119 -2.418.407.917 5.581.592.083 0.3065085411 1.830.650.902 -0.5840887427 1.441.591.167
1.155.000.019 -4.120.145.798 -2.517.088.652 -1.603.057.027 -2.486.494.541 5.513.505.459 0.3780118227 1.837.801.170 -0.4086058140 1.459.139.442
1.160.000.038 -0.6236402392 -2.287.303.686 1.663.663.507 -2.503.902.674 5.496.097.565 0.4367623031 1.843.676.186 -0.2201633155 1.477.983.665
1.164.999.962 -2.222.046.375 -2.016.984.940 -0.2050613761 -2.470.497.131 5.529.502.869 0.4810105264 1.848.101.044 -0.02749999985 1.497.249.985
1.169.999.981 -2.518.073.320 -1.717.001.081 -0.8010723591 -2.387.203.455 5.612.796.783 0.5094953775 1.850.949.478 0.1607071012 1.516.070.747
1.175.000.000 -2.171.729.803 -1.398.284.435 -0.7734454870 -2.255.983.591 5.744.016.647 0.5214801431 1.852.148.056 0.3362190425 1.533.621.883
1.180.000.019 -1.520.214.796 -1.071.404.457 -0.4488104582 -2.079.789.400 5.920.210.838 0.5167711973 1.851.677.132 0.4916139543 1.549.161.434
1.185.000.038 -1.178.872.228 -0.7461854815 -0.4326867461 -1.862.496.972 6.137.503.147 0.4957182705 1.849.571.800 0.6205932498 1.562.059.307
1.189.999.962 -2.220.191.717 -0.4313839972 -1.788.807.750 -1.608.818.293 6.391.181.946 0.4591968656 1.845.919.609 0.7182374597 1.571.823.788
1.194.999.981 2.030.331.373 -0.1271301359 2.157.461.405 -1.321.363.688 6.678.636.551 0.4082796276 1.840.827.942 0.7859539390 1.578.595.352
1.200.000.000 1.735.338.449 0.1552011967 1.580.137.253 -1.006.935.477 6.993.064.404 0.3445624709 1.834.456.253 0.8175742030 1.581.757.450
1.205.000.019 0.3369000554 0.4079527557 -0.07109999657 -0.6730952859 7.326.904.774 0.2703276277 1.827.032.852 0.8107203841 1.581.072.044
1.210.000.038 1.739.405.274 0.6276324987 1.111.772.776 -0.3270367980 7.672.963.142 0.1881470531 1.818.814.659 0.7665222883 1.576.652.241
1.214.999.962 3.067.698.002 0.8124865890 2.255.211.353 0.02380000055 8.023.799.896 0.1008276492 1.810.082.817 0.6878381968 1.568.783.855

1.219.999.981	1.178.841.591	0.9623934627	0.2164481431	0.3719955385	8.371.995.926	0.01130000036	1.801.129.913	0.5790836215	1.557.908.344
1.225.000.000	3.043.405.056	1.078.685.284	1.964.719.772	0.7101066113	8.710.106.850	-0.07739999890	1.792.259.979	0.4459894001	1.544.598.961
1.230.000.019	1.770.078.421	1.163.907.886	0.6061704755	1.031.034.470	9.031.034.470	-0.1624288708	1.783.757.019	0.2953023314	1.529.530.239
1.235.000.038	4.532.047.272	1.221.535.802	3.310.511.589	1.328.074.574	9.328.074.455	-0.2409825474	1.775.901.794	0.1344437599	1.513.444.328
1.239.999.962	4.186.297.417	1.255.659.580	2.930.637.598	1.595.081.449	9.595.081.329	-0.3105657995	1.768.943.405	-0.02889999934	1.497.109.985
1.244.999.981	-0.7770729661	1.270.662.904	-2.047.735.929	1.826.599.360	9.826.599.121	-0.3690055609	1.763.099.480	-0.1869309247	1.481.306.934
1.250.000.000	2.601.945.400	1.270.907.283	1.331.038.356	2.017.976.522	1.001.797.676	-0.4145303071	1.758.547.020	-0.3325388730	1.466.746.140
1.255.000.019	1.828.201.175	1.260.441.303	0.5677598715	2.165.461.063	1.016.546.059	-0.4458243251	1.755.417.633	-0.4591954350	1.454.080.486
1.260.000.038	2.887.135.983	1.242.749.810	1.644.386.292	2.266.277.313	1.026.627.731	-0.4620655477	1.753.793.526	-0.5614619851	1.443.853.760
1.264.999.962	-0.02529999986	1.220.554.113	-1.245.889.187	2.318.678.379	1.031.867.790	-0.4629463553	1.753.705.406	-0.6351779699	1.436.482.239
1.269.999.981	2.310.096.025	1.195.673.943	1.114.422.202	2.321.976.662	1.032.197.666	-0.4486763179	1.755.132.294	-0.6776263118	1.432.237.339
1.275.000.000	4.112.071.991	1.168.955.922	2.943.116.188	2.276.550.055	1.027.655.029	-0.4199675620	1.758.003.235	-0.6876266599	1.431.237.316
1.280.000.019	-0.3335152864	1.140.270.352	-1.473.785.639	2.183.825.493	1.018.382.549	-0.3780029416	1.762.199.783	-0.6655523777	1.433.444.786
1.285.000.038	1.687.965.870	1.108.575.702	0.5793901682	2.046.238.422	1.004.623.795	-0.3243889809	1.767.561.150	-0.6132736802	1.438.672.638
1.289.999.962	1.260.567.069	1.072.044.253	0.1885229647	1.867.169.499	9.867.169.380	-0.2610948682	1.773.890.495	-0.5340304971	1.446.596.909
1.294.999.981	3.629.634.619	1.028.066.039	2.601.568.699	1.650.743.127	9.650.743.484	-0.1901272684	1.780.987.358	-0.4325498641	1.456.745.052
1.300.000.000	-1.497.137.904	0.9729978442	-2.470.135.689	1.400.877.953	9.400.877.953	-0.1137988269	1.788.620.186	-0.3140813112	1.468.591.881
1.305.000.019	2.330.108.881	0.9038381577	1.426.270.723	1.123.082.757	9.123.083.115	-0.03480000049	1.796.520.042	-0.1843957454	1.481.560.421
1.310.000.038	-5.597.028.732	0.8178482652	-6.414.876.938	0.8236311078	8.823.631.287	0.04399999976	1.804.400.063	-0.04980000108	1.495.020.008
1.314.999.962	0.6925708055	0.7127003670	-0.02009999938	0.5092209578	8.509.221.077	0.1201722696	1.812.017.250	0.08330000192	1.508.329.964
1.319.999.981	-0.6805767417	0.5867164135	-1.267.293.215	0.1868223697	8.186.821.938	0.1910713464	1.819.107.056	0.2088227272	1.520.882.225
1.325.000.000	1.065.066.099	0.4390765131	0.6259896159	-0.1364803761	7.863.519.669	0.2544220388	1.825.442.123	0.3211348355	1.532.113.457
1.330.000.019	-0.5827972293	0.2699842155	-0.8527814746	-0.4536477327	7.546.352.386	0.3082169294	1.830.821.609	0.4154149890	1.541.541.481
1.335.000.038	-0.9010722041	0.08079999685	-0.9818520546	-0.7578414679	7.242.158.413	0.3508064151	1.835.080.719	0.4878149033	1.548.781.490
1.339.999.962	0.7603015304	-0.1260062903	0.8863078356	-1.042.575.359	6.957.424.641	0.3809493482	1.838.094.902	0.5356197953	1.553.561.974
1.344.999.981	-0.5317981839	-0.3466647267	-0.1851334572	-1.301.856.995	6.698.143.005	0.3978488147	1.839.784.813	0.5573434234	1.555.734.348
1.350.000.000	-3.184.154.510	-0.5763815641	-2.607.773.066	-1.530.316.353	6.469.683.647	0.4011721015	1.840.117.264	0.5527626276	1.555.276.299
1.355.000.019	0.8045723438	-0.8093757033	1.613.948.107	-1.723.319.769	6.276.679.993	0.3910539150	1.839.105.415	0.5228901505	1.552.289.009
1.360.000.038	-3.396.549.463	-1.039.092.183	-2.357.457.399	-1.877.066.374	6.122.933.388	0.3680838048	1.836.808.395	0.4698904157	1.546.989.059
1.364.999.962	-2.828.237.295	-1.258.443.594	-1.569.793.820	-1.988.663.673	6.011.336.327	0.3332776129	1.833.327.675	0.3969424367	1.539.694.214
1.369.999.981	-2.391.883.850	-1.460.088.611	-0.9317952394	-2.056.182.861	5.943.817.139	0.2880348861	1.828.803.444	0.3080594540	1.530.805.969
1.375.000.000	-2.397.866.011	-1.636.734.247	-0.7611317635	-2.078.691.721	5.921.308.517	0.2340838760	1.823.408.318	0.2078736126	1.520.787.334
1.380.000.019	-0.4426259995	-1.781.449.080	1.338.823.080	-2.056.263.208	5.943.737.030	0.1734156758	1.817.341.614	0.1013984829	1.510.139.847
1.385.000.038	-2.490.957.975	-1.887.971.759	-0.6029860377	-1.989.963.412	6.010.036.469	0.1082110181	1.810.821.152	-0.006219999865	1.499.378.014
1.389.999.962	-1.263.044.238	-1.951.001.048	0.6879569292	-1.881.814.837	6.118.185.043	0.04080000147	1.804.080.009	-0.1099476963	1.489.005.184

1.394.999.981 0.4767519236 -1.968.831.778 2.445.583.582 -1.736.164.331 6.263.835.907 -0.02720000036 1.797.279.930 -0.2055107653 1.479.448.891
1.400.000.000 -2.203.559.875 -1.937.368.631 -0.2661911547 -1.554.905.176 6.445.095.062 -0.09350000322 1.790.649.986 -0.2889185846 1.471.108.150
1.405.000.019 -1.360.891.342 -1.852.400.184 0.4915087521 -1.340.391.636 6.659.608.364 -0.1556999832 1.784.429.932 -0.3563085794 1.464.369.106
1.410.000.038 -3.237.477.303 -1.714.272.141 -1.523.205.042 -1.097.711.682 6.902.288.437 -0.2115360051 1.778.846.359 -0.4050244391 1.459.497.547
1.414.999.962 -0.3862202466 -1.525.145.888 1.138.925.672 -0.8325545788 7.167.445.183 -0.2592189610 1.774.078.178 -0.4333724082 1.456.662.750
1.419.999.981 1.304.570.556 -1.288.974.643 2.593.545.198 -0.5510753393 7.448.924.541 -0.2972275317 1.770.277.214 -0.4406717718 1.455.932.808
1.425.000.000 0.7192493081 -1.011.407.495 1.730.656.743 -0.2597500682 7.740.250.111 -0.3244017363 1.767.559.814 -0.4272557497 1.457.274.437
1.430.000.019 0.1867585033 -0.6996261477 0.8863846660 0.03480000049 8.034.799.576 -0.3399778306 1.766.002.274 -0.3944236040 1.460.557.652
1.435.000.038 -2.511.756.420 -0.3621180952 -2.149.638.414 0.3258389831 8.325.839.043 -0.3436088860 1.765.639.114 -0.3443481922 1.465.565.205
1.439.999.962 3.773.406.744 -0.008399999700 3.781.805.038 0.6069164276 8.606.916.428 -0.3353703022 1.766.462.898 -0.2799445391 1.472.005.558
1.444.999.981 -0.1571193635 0.3513116539 -0.5084310174 0.8717689514 8.871.768.951 -0.3157499731 1.768.424.988 -0.2047073543 1.479.529.285
1.450.000.000 -0.3237424195 0.7064341903 -1.030.176.640 1.114.584.565 9.114.584.923 -0.2856245339 1.771.437.454 -0.1225258783 1.487.747.383
1.455.000.019 0.8924869299 1.046.399.951 -0.1539129615 1.330.107.689 9.330.107.689 -0.2462218404 1.775.377.846 -0.03750000149 1.496.249.962
1.460.000.038 0.3420808315 1.361.013.174 -1.018.932.343 1.513.754.368 9.513.753.891 -0.1990718246 1.780.092.812 0.04630000144 1.504.629.993
1.464.999.962 1.525.388.002 1.640.804.648 -0.1154167801 1.661.711.931 9.661.711.693 -0.1459474713 1.785.405.159 0.1250403523 1.512.504.005
1.469.999.981 3.152.927.160 1.877.355.337 1.275.571.823 1.771.018.147 9.771.018.028 -0.08879999816 1.791.119.957 0.1951353550 1.519.513.512
1.475.000.000 4.692.755.222 2.063.581.705 2.629.173.756 1.839.622.259 9.839.622.498 -0.02969999984 1.797.030.067 0.2536376715 1.525.363.731
1.480.000.019 3.504.070.997 2.193.971.157 1.310.099.602 1.866.421.580 9.866.421.700 0.02930000052 1.802.930.069 0.2982221842 1.529.822.254
1.485.000.038 1.415.363.431 2.264.759.302 -0.8493959904 1.851.277.709 9.851.277.351 0.08619999886 1.808.620.071 0.3273042440 1.532.730.389
1.489.999.962 -0.7828283906 2.274.042.130 -3.056.870.461 1.795.009.255 9.795.009.613 0.1389441639 1.813.894.463 0.3400887549 1.534.008.884
1.494.999.981 -0.4571232498 2.223.991.156 -2.681.114.435 1.700.686.693 9.700.686.455 0.1863137484 1.818.631.363 0.3369907439 1.533.699.036
1.500.000.000 2.143.206.120 2.115.764.618 0.02740000002 1.570.358.396 9.570.358.276 0.2270274013 1.822.702.789 0.3183787763 1.531.837.845
1.505.000.019 -0.4517230690 1.948.764.443 -2.400.487.423 1.404.811.740 9.404.811.859 0.2591349185 1.825.913.429 0.2848177552 1.528.481.770
1.510.000.038 5.914.575.577 1.728.161.812 4.186.413.765 1.208.110.452 9.208.110.809 0.2816270888 1.828.162.766 0.2384242564 1.523.842.430
1.514.999.962 -2.025.364.161 1.460.751.414 -3.486.115.694 0.9850175977 8.985.017.776 0.2938523591 1.829.385.185 0.1818814725 1.518.188.190
1.519.999.981 1.289.695.263 1.154.702.306 0.1349930614 0.7408792973 8.740.879.059 0.2955346704 1.829.553.413 0.1182883233 1.511.828.804
1.525.000.000 1.514.931.560 0.8192654252 0.6956660748 0.4814949334 8.481.494.904 0.2867778838 1.828.677.750 0.05099999905 1.505.099.964
1.530.000.019 -3.531.856.775 0.4644513726 -3.996.308.088 0.2129783332 8.212.978.363 0.2680560350 1.826.805.687 -0.01659999974 1.498.340.034
1.535.000.038 -2.867.592.812 0.1006894633 -2.968.282.223 -0.05840000138 7.941.599.846 0.2401909083 1.824.019.051 -0.08110000193 1.491.889.954
1.539.999.962 -0.3892474174 -0.2615176737 -0.1277297586 -0.3263023496 7.673.697.472 0.2043169141 1.820.431.709 -0.1395322233 1.486.046.791
1.544.999.981 -0.7805607319 -0.6119312644 -0.1686294973 -0.5845901966 7.415.410.042 0.1618355662 1.816.183.472 -0.1891766489 1.481.082.344
1.550.000.000 1.419.609.904 -0.9408939481 2.360.503.912 -0.8273498416 7.172.650.337 0.1143610701 1.811.436.081 -0.2279051542 1.477.209.473
1.555.000.019 -1.705.909.371 -1.239.616.275 -0.4662931263 -1.049.088.240 6.950.911.522 0.06369999796 1.806.369.972 -0.2541870177 1.474.581.337
1.560.000.038 -1.522.051.573 -1.500.423.789 -0.02160000056 -1.244.846.344 6.755.153.656 0.01159999985 1.801.160.049 -0.2671576738 1.473.284.245
1.564.999.962 -9.104.599.953 -1.716.957.450 -7.387.642.384 -1.410.312.176 6.589.687.824 -0.03999999911 1.795.999.908 -0.2666391432 1.473.336.124

1.569.999.981 -1.132.337.928 -1.884.322.047 0.7519841790 -1.541.916.132 6.458.084.106 -0.08929999918 1.791.069.984 -0.2531254888 1.474.687.481
1.575.000.000 -4.017.154.694 -1.999.180.913 -2.017.973.900 -1.636.908.531 6.363.091.469 -0.1345373690 1.786.546.326 -0.2277351171 1.477.226.448
1.580.000.019 1.899.198.532 -2.059.795.141 3.958.993.673 -1.693.417.549 6.306.582.451 -0.1742437780 1.782.575.607 -0.1921337545 1.480.786.610
1.585.000.038 -5.758.698.940 -2.066.010.475 -3.692.688.704 -1.710.485.935 6.289.514.065 -0.2070918977 1.779.290.771 -0.1484325528 1.485.156.727
1.589.999.962 -0.3598146439 -2.019.193.649 1.659.378.886 -1.688.084.364 6.311.915.398 -0.2320416272 1.776.795.769 -0.09910000116 1.490.089.989
1.594.999.981 1.566.012.025 -1.922.556.400 3.488.568.544 -1.627.353.430 6.372.646.332 -0.2484165430 1.775.158.310 -0.04679999873 1.495.320.034
1.600.000.000 -1.498.504.043 -1.780.345.201 0.2818412781 -1.530.174.613 6.469.825.268 -0.2558406591 1.774.415.970 0.005669999868 1.500.566.959
1.604.999.924 2.496.922.493 -1.596.501.589 4.093.424.320 -1.398.485.541 6.601.514.339 -0.2540551126 1.774.594.498 0.05600000173 1.505.599.976
1.610.000.038 -0.4103055894 -1.376.987.576 0.9666820765 -1.235.652.447 6.764.347.553 -0.2432862669 1.775.671.387 0.1019510776 1.510.195.065
1.614.999.962 0.06599999964 -1.128.484.964 1.194.502.950 -1.045.741.916 6.954.257.965 -0.2240787297 1.777.592.087 0.1413356364 1.514.133.549
1.620.000.076 -5.622.281.551 -0.8581764698 -4.764.104.843 -0.8334187865 7.166.581.154 -0.1972700655 1.780.273.056 0.1725123972 1.517.251.205
1.625.000.000 -2.619.220.257 -0.5735264421 -2.045.693.874 -0.6038310528 7.396.168.709 -0.1639553756 1.783.604.431 0.1942599416 1.519.425.964
1.629.999.924 0.3194686770 -0.2820673883 0.6015360951 -0.3624837697 7.637.516.022 -0.1254431903 1.787.455.750 0.2058595866 1.520.585.918
1.635.000.038 3.193.779.230 0.008799999952 3.184.977.055 -0.1151062399 7.884.893.894 -0.08320000023 1.791.679.955 0.2071127594 1.520.711.231
1.639.999.962 2.679.591.894 0.2920017540 2.387.590.170 0.1324855536 8.132.485.390 -0.03880000114 1.796.120.071 0.1983323991 1.519.833.279
1.645.000.076 2.195.196.867 0.5609327555 1.634.263.992 0.3745267987 8.374.526.978 0.006099999882 1.800.609.970 0.1803092510 1.518.030.930
1.650.000.000 6.771.321.297 0.8096171618 5.961.704.254 0.6054394841 8.605.439.186 0.049899999905 1.804.990.005 0.1542559117 1.515.425.587
1.654.999.924 -1.060.413.718 1.032.810.450 -2.093.224.049 0.8199622631 8.819.962.502 0.09109999985 1.809.110.069 0.1217321008 1.512.173.176
1.660.000.038 1.391.117.454 1.226.088.285 0.1650291830 1.013.271.451 9.013.271.332 0.1282613426 1.812.826.157 0.08460000157 1.508.460.045
1.664.999.962 1.060.657.859 1.385.905.743 -0.3252479136 1.181.090.355 9.181.090.355 0.1601121128 1.816.011.238 0.04470000044 1.504.469.967
1.670.000.076 4.384.726.048 1.509.631.395 2.875.094.652 1.319.784.641 9.319.784.164 0.1856375486 1.818.563.843 0.004209999926 1.500.421.047
1.675.000.000 2.299.891.472 1.595.557.928 0.7043335438 1.426.442.146 9.426.442.146 0.2040543705 1.820.405.388 -0.03489999846 1.496.510.029
1.679.999.924 2.670.051.813 1.642.890.215 1.027.161.837 1.498.932.719 9.498.932.838 0.2148501873 1.821.484.947 -0.07090000063 1.492.910.004
1.685.000.038 -0.7648204565 1.651.715.636 -2.416.536.093 1.535.951.138 9.535.951.614 0.2177964747 1.821.779.633 -0.1020319983 1.489.796.829
1.689.999.962 1.113.620.639 1.622.957.110 -0.5093364120 1.537.038.565 9.537.038.803 0.2129511982 1.821.295.166 -0.1270326972 1.487.296.772
1.695.000.076 0.9037539363 1.558.362.007 -0.6546080709 1.502.673.745 9.502.674.103 0.2006648034 1.820.066.452 -0.1449764818 1.485.502.338
1.700.000.000 -4.072.231.770 1.460.301.042 -5.532.532.692 1.434.150.219 9.434.150.696 0.1815391332 1.818.153.954 -0.1553881615 1.484.461.212
1.704.999.924 1.746.854.901 1.331.564.426 0.4152905047 1.333.094.120 9.333.093.643 0.1563396454 1.815.633.965 -0.1578693688 1.484.213.066
1.710.000.038 0.9483131766 1.175.739.884 -0.2274266779 1.202.240.705 9.202.240.944 0.1260951161 1.812.609.482 -0.1525959969 1.484.740.448
1.714.999.962 4.779.942.036 0.9968763172 3.783.068.419 1.044.996.262 9.044.996.262 0.09200000018 1.809.199.905 -0.1401174664 1.485.988.235
1.720.000.076 1.597.035.527 0.7993758917 0.7976595759 0.8653495312 8.865.349.770 0.05530000106 1.805.529.976 -0.1213156581 1.487.868.404
1.725.000.000 -4.947.725.773 0.5879263878 -5.535.652.161 0.6677708030 8.667.770.386 0.01750000007 1.801.749.992 -0.09730000049 1.490.270.042
1.729.999.924 0.5211048722 0.3673789203 0.1537259370 0.4570999444 8.457.099.915 -0.02009999938 1.797.990.036 -0.06960000098 1.493.039.989
1.735.000.038 -0.3318405747 0.1426673383 -0.4745078981 0.2384271473 8.238.427.162 -0.05620000139 1.794.379.997 -0.03950000182 1.496.049.976
1.739.999.962 -5.012.844.086 -0.08129999787 -4.931.556.702 0.01700000092 8.017.000.198 -0.08950000256 1.791.049.957 -0.008720000274 1.499.127.960

1.745.000.076	5.034.356.594	-0.2996661067	5.334.022.522	-0.2020550966	7.797.945.023	-0.1188959628	1.788.110.352	0.02129999921	1.502.130.032
1.750.000.000	1.516.700.029	1.516.700.029	0.000000000	-0.4135508239	7.586.449.146	-0.1433617473	1.785.663.795	0.04910000041	1.504.909.992
1.754.999.924	-3.087.639.809	-3.087.639.809	0.000000000	-0.6126644611	7.387.335.777	-0.1621624380	1.783.783.722	0.07339999825	1.507.339.954
1.760.000.038	-3.414.232.016	-3.414.232.016	0.000000000	-0.7948969007	7.205.102.921	-0.1747525781	1.782.524.681	0.09309999645	1.509.309.959
1.764.999.962	1.699.209.929	1.699.209.929	0.000000000	-0.9562059045	7.043.794.155	-0.1808228791	1.781.917.763	0.1075584367	1.510.755.825
1.770.000.076	-2.746.459.007	-2.746.459.007	0.000000000	-1.093.096.018	6.906.904.221	-0.1803061813	1.781.969.452	0.1161873564	1.511.618.710
1.775.000.000	-3.377.865.314	-3.377.865.314	0.000000000	-1.202.694.654	6.797.305.107	-0.1733743250	1.782.662.582	0.1188228577	1.511.882.305
1.779.999.924	0.2605868280	0.2605868280	0.000000000	-1.282.811.642	6.717.188.358	-0.1604264826	1.783.957.291	0.1155816466	1.511.558.151
1.785.000.038	-4.038.563.251	-4.038.563.251	0.000000000	-1.331.982.851	6.668.017.387	-0.1420694292	1.785.793.114	0.1068639308	1.510.686.398
1.789.999.962	-7.466.978.550	-7.466.978.550	0.000000000	-1.349.494.815	6.650.505.066	-0.1190905869	1.788.090.897	0.09329999983	1.509.329.987
1.795.000.076	-8.083.069.801	-8.083.069.801	0.000000000	-1.335.720.658	6.664.279.461	-0.09239999950	1.790.760.040	0.07580000162	1.507.579.994
1.800.000.000	-2.493.727.207	-2.493.727.207	-3,16E-07	-1.292.040.825	6.707.959.175	-0.06279999763	1.793.720.055	0.05499999970	1.505.500.031