

5170000000	1.675516082	-0.471238898	1.342062755	4.00667183	1.472721527	2.058863021	1.1670867	1.5861111	1.1847755	1.2674859	8.3085811
5170000000	1.675516082	-0.41887902	2.508116269	4.093053225	1.382500688	2.401925338	1.3347681	1.6019637	1.1725329	1.318549	8.6718986
5170000000	1.675516082	-0.366519143	3.054257806	4.100095899	1.3461638	2.635576168	1.4213888	1.6032631	1.1676379	1.3544994	8.8602333
5170000000	1.675516082	-0.314159265	2.541158017	3.93178784	1.632667251	2.542765901	1.3398553	1.5724954	1.2067946	1.3401034	8.7220577
5170000000	1.675516082	-0.261799388	1.359303078	3.563334481	2.197428587	2.107184587	1.1694056	1.5071856	1.2878682	1.2475569	8.3643495
5170000000	1.675516082	-0.20943951	0.51366161	3.700807435	2.7137070237	1.579909471	1.0609211	1.4239816	1.3666381	1.1994868	8.0649948
5170000000	1.675516082	-0.157079633	0.472352497	2.606649209	2.863848511	1.334951536	1.0558874	1.3499959	1.3905686	1.1661316	7.8935569
5170000000	1.675516082	-0.104719755	0.491895159	2.33416438	2.563822454	1.532066611	1.0582614	1.3083026	1.343356	1.1928981	7.7883157
5170000000	1.675516082	-0.052359878	0.081049717	2.32450852	2.096756222	2.018054318	1.0093749	1.306849	1.2730276	1.2615449	7.695661
5170000000	1.675516082	-4.44E-16	-0.493607427	2.518695157	2.038146822	2.560234387	0.9447559	1.3363947	1.2644665	1.3428012	7.7627675
5170000000	1.675516082	0.052359878	-0.691507115	2.780417389	2.527921709	3.026572354	0.9234739	1.3772757	1.3378151	1.3416855	8.0545624
5170000000	1.675516082	0.104719755	-0.466758099	2.989171152	2.994367465	3.405010318	0.9476808	1.4107776	1.4116219	1.4799618	8.3826558
5170000000	1.675516082	0.157079633	-0.199321741	3.098175836	2.919655883	3.723270724	0.9773135	1.4285939	1.3995319	1.535195	8.5312569
5170000000	1.675516082	0.20943951	-0.071363174	3.13590599	2.171965667	3.960712363	0.9918177	1.434813	1.2840983	1.5777407	8.4460004
5170000000	1.675516082	0.261799388	-0.031142692	3.165966996	0.989547598	4.04784905	0.996421	1.4397873	1.1206691	1.5936482	8.216431
5170000000	1.675516082	0.314159265	-0.064379636	3.231764042	-0.00247467	3.949259999	0.9926154	1.4507354	0.9997151	1.5756618	7.9912728
5170000000	1.675516082	0.366519143	-0.244814741	3.324238988	-0.230529188	3.7283841	0.9722082	1.4662632	0.9738085	1.536099	7.8686589
5170000000	1.675516082	0.41887902	-0.5158742	3.397134629	0.07476782	3.508320073	0.9423371	1.4786205	1.0086451	1.4976696	7.8153134
5170000000	1.675516082	0.471238898	-0.652125265	3.408129833	0.357415675	3.357415675	0.9276705	1.4804935	1.0332416	1.4718745	7.8068305
5170000000	1.675516082	0.523598776	-0.6301799	3.345449821	-0.021708937	3.289494539	0.9300173	1.4698482	0.9975038	1.4519353	7.6929983
5170000000	1.675516082	0.575958653	-0.731418954	3.224420228	-1.05248873	3.081206898	0.9192403	1.4495093	0.8858814	1.4258057	7.3851275
5170000000	1.675516082	0.628318531	-1.093632632	3.063968707	-2.753415632	2.879791582	0.881695	1.4292988	0.7283317	1.3931234	6.8998812
5170000000	1.675516082	0.680678408	-1.489297435	2.862226398	-4.029980766	2.724517612	0.8424325	1.390309	0.6158869	1.3684404	6.4796137
5170000000	1.675516082	0.733038286	-1.64105864	2.589515364	-3.989838429	2.692773474	0.8278413	1.3473355	0.6383491	1.3634483	6.396636
5170000000	1.675516082	0.785398163	-1.623743807	2.204737384	-6.259073004	2.734174406	0.8294932	1.2889524	0.7362859	1.3996926	6.4953054
5170000000	1.675516082	0.837558041	-1.661434294	1.681912255	-1.965185472	2.721513065	0.8259016	1.213656	0.7975184	1.3679671	6.4548091
5170000000	1.675516082	0.890119719	-1.764673283	1.027176506	-0.571499355	2.571499355	0.8161431	1.1255345	0.7875363	1.3454538	6.1793942
5170000000	1.675516082	0.942477796	-1.823548902	0.278093934	-2.573934157	2.293163212	0.8106298	1.0325348	0.7435382	1.3021414	5.775811
5170000000	1.675516082	0.994836764	-1.941738139	-0.510339344	-2.816321338	1.956404007	0.7996742	0.9429378	0.723076	1.25257	5.3861905
5170000000	1.675516082	1.047197551	-2.410707848	-1.285391702	-2.608800746	1.614145973	0.7576431	0.862443	0.7405595	1.2042241	5.020273
5170000000	1.675516082	1.099557429	-3.355155505	-2.01219742	-2.384134245	1.270081051	0.6795826	0.7932136	0.7643518	1.1574548	4.5951792
5170000000	1.675516082	1.151917306	-4.513033302	-2.669860774	-2.274204352	0.907976379	0.594769	0.7353178	0.7696438	1.1101939	4.1094425
5170000000	1.675516082	1.204277184	-5.308114518	-3.223527395	-2.388444819	0.531787542	0.5427431	0.6899595	0.7595874	1.0631374	3.6808394
5170000000	1.675516082	1.256637061	-5.37024784	-3.599967584	-2.548779939	0.500570138	0.5388745	0.6606959	0.7456946	1.0233602	3.4305073
5170000000	1.675516082	1.308996939	-5.006388268	-3.713834895	-2.817760451	0.019328844	0.5619279	0.6520911	0.7229562	1.0002278	3.3393916
5170000000	1.675516082	1.361356817	-4.797652095	-3.54875799	-3.45240982	0.051611143	0.5755955	0.6460207	0.6720158	1.0005944	3.2656385
5170000000	1.675516082	1.413716694	-5.030886803	-3.194505788	-6.655556747	-0.005743143	0.5603452	0.6922687	0.5850893	0.999339	3.0367162
5170000000	1.675516082	1.466076572	-5.596139213	-2.773940855	-6.271133948	-0.239680536	0.5250408	0.6266217	0.4857841	0.972783	2.6394928
5170000000	1.675516082	1.518436449	-6.12636127	-2.364257811	-7.441187645	-0.831858187	0.4939488	0.7617055	0.4245615	0.9086719	2.2166444
5170000000	1.675516082	1.570796327	-6.215778518	-2.002789901	-7.260882486	-1.783596723	0.4888889	0.7940731	0.4334668	0.814367	2.0445459
5170000000	1.675516082	1.623156204	-5.774472427	-1.731788562	-6.285375409	-3.008279877	0.5143709	0.8192389	0.4849883	0.7072713	2.026716
5170000000	1.675516082	1.675516082	-5.196233886	-1.610802064	-5.367044076	-4.11362101	0.5497792	0.83073	0.5390733	0.6017719	2.0120778
5170000000	1.675516082	1.72787596	-4.863275379	-1.688463387	-4.690458294	-5.884635152	0.5712632	0.8233355	0.582743	0.5078883	1.8867319
5170000000	1.675516082	1.780235837	-4.730909243	-1.957178603	-4.126792806	-7.048966669	0.5800355	0.7982539	0.6218138	0.4441725	1.7424035
5170000000	1.675516082	1.832595715	-4.48380048	-2.309587542	-3.635121826	-7.19879294	0.5967741	0.7665149	0.6580273	0.4365762	1.7906579
5170000000	1.675516082	1.884955592	-4.069343437	-2.556468191	-3.40832376	-6.566989733	0.6259402	0.7540349	0.6754354	0.4695161	1.9933592
5170000000	1.675516082	1.93731547	-3.877026378	-2.583555166	-3.713283601	-6.368269927	0.6399539	0.7427151	0.6521325	0.4803818	1.9907925
5170000000	1.675516082	1.989675347	-4.320404451	-2.497801642	-4.687902187	-7.431848004	0.6081067	0.750084	0.5829145	0.4250183	1.4601484
5170000000	1.675516082	2.042035225	-5.419250096	-2.521489001	-6.76266506	-9.979711607	0.5358429	0.7480413	0.4911189	0.3169673	0.9305107
5170000000	1.675516082	2.094395102	-6.363222763	-2.808330417	-7.521291965	-11.79746837	0.480661	0.7237415	0.4206641	0.2571145	-0.527372
5170000000	1.675516082	2.14675498	-6.146808357	-3.414378396	-7.984403433	-9.334295809	0.4927874	0.6749647	0.3988227	0.3414171	-0.40907
5170000000	1.675516082	2.199114858	-5.558071459	-4.386340701	-7.9641867862	-10.01867862	0.5273469	0.6035079	0.4015698	0.4496831	-0.078055
5170000000	1.675516082	2.251474735	-5.645349083	-5.846339683	-8.189504737	-3.669272899	0.5207246	0.5101325	0.3895155	0.4803263	-0.436166
5170000000	1.675516082	2.303834613	-6.213662579	-7.939457437	-9.122613078	-7.46499642	0.489009	0.4008918	0.3498399	0.4233993	-1.602024
5170000000	1.675516082	2.35619449	-6.298320076	-10.40913355	-10.6455851	-9.072590761	0.484266	0.3016778	0.2935761	0.3518605	-2.905499
5170000000	1.675516082	2.408554368	-6.109563787	-11.74754543	-12.59678633	-8.768172236	0.494905	0.2585696	0.2345096	0.3682064	-3.374012
5170000000	1.675516082	2.460914245	-6.97734682	-11.07552216	-14.94236345	-6.983756682	0.4478501	0.2793984	0.1790119	0.4475197	-3.389638
5170000000	1.675516082	2.513274123	-9.430018906	-9.906314496	-17.05513033	-5.84803404	0.3376751	0.319657	0.14036	0.510033	-3.69027
5170000000	1.675516082	2.565634	-10.6904023	-8.870918732	-17.77013971	-5.410738905	0.2920652	0.3601257	0.1292686	0.5363682	-3.623427
5170000000	1.675516082	2.617993878	-8.665034132	-7.96885885	-18.70919656	-5.400989925	0.3687638	0.3095337	0.116022	0.5369706	-2.966925
5170000000	1.675516082	2.670353756	-7.752461852	-7.477573651	-19.90901888	-5.868911937	0.409616	0.4227867	0.101053	0.5088086	-2.839703
5170000000	1.675516082	2.722713633	-9.080042713	-7.712602687	-15.73603427	-7.119256006	0.3515587	0.4115	0.1633798	0.4504926	-3.305302
5170000000	1.675516082	2.775073511	-12.20998112	-8.660027002	-11.78356891	-8.853975954	0.245189	0.3689765	0.2575236	0.3608288	-4.204736
5170000000	1.675516082	2.827433388	-14.28533943	-9.858195799	-10.36018613	-9.272159567	0.1930781	0.3214328	0.3033826	0.3438682	-4.718259
5170000000	1.675516082	2.879793266	-12.63646133	-10.74770131	-11.339823	-8.240980499	0.2334409	0.2901449	0.2710247	0.3872139	-4.569541
5170000000	1.675516082	2.932153143	-10.32764857	-11.44995523	-14.78123752	-7.730370183	0.3045212	0.2676099	0.1823636	0.4106591	-4.692934
5170000000	1.675516082	2.984513021	-9.06904713	-12.49045158	-19.85551802	-8.314620143	0.352004	0.2373982	0.1016773	0.383945	-5.392322
5170000000	1.675516082	3.036872899	-9.525143686	-10.48484019							

5170000000	1.72787596	-0.575958653	1.440863795	3.904851948	0.683817615	1.343536083	1.180438	1.5676265	1.0819094	1.1672847	7.9540366
5170000000	1.72787596	-0.523598776	0.749128635	3.869435033	1.258887366	1.463126239	1.0900751	1.5612475	1.1559642	1.1834674	7.9427237
5170000000	1.72787596	-0.471238898	1.275622218	3.886230236	1.411273771	1.758757339	1.1581935	1.5642693	1.1764235	1.1224441	8.170442
5170000000	1.72787596	-0.41887902	2.497322963	3.950466409	1.331910779	2.168366058	1.3331105	1.5758806	1.1657235	1.2835663	8.5599098
5170000000	1.72787596	-0.366519143	3.041032765	3.964224049	1.337494936	2.451512784	1.4192263	1.5783787	1.1659703	1.3260981	8.77033
5170000000	1.72787596	-0.314159265	2.525376583	3.817572939	1.652680779	2.399637374	1.3372431	1.5519533	1.2095784	1.3182017	8.6548278
5170000000	1.72787596	-0.261799388	1.350983298	3.757000216	2.219829765	2.009002546	1.168286	1.4919354	1.291194	1.2602309	8.3188986
5170000000	1.72787596	-0.20943951	0.516865906	3.008098121	2.71818807	1.536800859	1.0613125	1.4138551	1.3674435	1.1935484	8.0213898
5170000000	1.72787596	-0.157079633	0.480221991	2.571194338	2.851489681	1.339843633	1.0568445	1.3444966	1.3885914	1.1676886	7.8832899
5170000000	1.72787596	-0.104719755	0.499232059	2.322467643	2.544530252	1.552616117	1.0591601	1.306542	1.3403756	1.1957326	7.7865142
5170000000	1.72787596	-0.052359878	0.08615688	2.326329513	2.084147105	2.029498532	1.0099685	1.3071231	1.2711809	1.2632082	7.6968862
5170000000	1.72787596	-4.44E-16	-0.493607374	2.518694844	2.038146661	2.560233831	0.9447559	1.3363947	1.2644665	1.3428011	7.7627672
5170000000	1.72787596	0.052359878	-0.699337109	2.76613939	2.53535728	3.021020331	0.9226418	1.3750135	1.3389883	1.4159601	8.0497049
5170000000	1.72787596	0.104719755	-0.477909403	2.955409887	3.011927806	3.400403028	0.9464649	1.4053047	1.4144786	1.479177	8.3750142
5170000000	1.72787596	0.157079633	-0.197551881	3.045617909	2.96531119	3.73036206	0.9775127	1.4199756	1.4069075	1.5364488	8.5315991
5170000000	1.72787596	0.20943951	-0.0309772	3.068462259	2.275900161	3.993221614	0.99644	1.4237152	1.299556	1.5836568	8.4704354
5170000000	1.72787596	0.261799388	0.069691008	3.090389272	1.174593091	4.111625933	1.0080557	1.4273138	1.1448001	1.6053927	8.2753173
5170000000	1.72787596	0.314159265	0.096246025	3.158953328	0.226474872	4.035087668	1.0111424	1.4386252	1.0264168	1.5913085	8.075263
5170000000	1.72787596	0.366519143	-0.050597721	3.268101282	-0.043990356	3.81897033	0.9941917	1.4568172	0.9949482	1.552203	7.9556033
5170000000	1.72787596	0.41887902	-0.323716056	3.368540966	0.220067562	3.598496654	0.9634168	1.473761	1.0256599	1.5132993	7.9172465
5170000000	1.72787596	0.471238898	-0.472301174	3.406597893	0.471447053	3.465095658	0.9470762	1.4802324	1.0557774	1.4902351	7.91233
5170000000	1.72787596	0.523598776	-0.43123793	3.353267095	0.286767684	3.37959573	0.9515642	1.4711717	1.0335664	1.4756379	7.879356
5170000000	1.72787596	0.575958653	-0.4865244	3.207402281	-0.570496505	3.23018935	0.9455267	1.4466271	0.9364297	1.4504724	7.566324
5170000000	1.72787596	0.628318531	-0.8175093	2.99080375	-0.276684073	2.967439232	0.9101742	1.4094479	0.7873463	1.4072523	7.7010558
5170000000	1.72787596	0.680678408	-1.227901566	2.680194423	-3.44149473	2.674578253	0.8681703	1.3614752	0.6728609	1.3605951	6.5739135
5170000000	1.72787596	0.733038286	-1.424741508	2.29537745	-3.236011692	2.482270097	0.848717	1.3024374	0.689866	1.3380022	6.3841322
5170000000	1.72787596	0.785398163	-1.442727086	1.807793128	-0.219879275	2.409035649	0.8469615	1.2313731	0.7923204	1.3196288	6.4242688
5170000000	1.72787596	0.8375758041	-1.497268546	1.208179737	-1.221519483	2.346357873	0.8416598	1.1492354	0.8688084	1.3101406	6.3817966
5170000000	1.72787596	0.890117919	-1.601171154	0.512784554	-1.204310394	2.184340171	0.8316516	1.060814	0.8705315	1.2589291	6.1261971
5170000000	1.72787596	0.942477796	-1.630262786	-0.23170858	-1.73137065	1.905249898	0.8288708	0.9736762	0.8192783	1.245267	5.7270912
5170000000	1.72787596	0.984837674	-1.68576482	-0.956115574	-2.330922558	1.581930468	0.8235913	0.8957653	0.7646345	1.1997659	5.3052195
5170000000	1.72787596	1.047197551	-2.083576905	-1.59367704	-2.692604607	1.296659769	0.7867217	0.8323695	0.7334487	1.1610021	4.8943031
5170000000	1.72787596	1.099557429	-2.972223833	-2.115014108	-2.929042063	1.063783957	0.7102133	0.7838795	0.7137529	1.1302882	4.4494752
5170000000	1.72787596	1.151917306	-4.102701342	-2.53730895	-3.224654068	0.829336545	0.6235409	0.7466801	0.6898701	1.1001878	3.9739081
5170000000	1.72787596	1.204277184	-4.907910749	-2.885060717	-3.476511838	0.529298859	0.5683351	0.7173762	0.6701537	1.0628328	3.5757927
5170000000	1.72787596	1.256637061	-5.016711304	-3.136921142	-3.466513165	0.178149107	0.5612604	0.6968735	0.6709256	1.020722	3.3751969
5170000000	1.72787596	1.308996939	-4.713042136	-3.219141722	-3.311442891	-0.107803791	0.5812298	0.690308	0.6830112	0.9876653	3.3258865
5170000000	1.72787596	1.361356817	-4.565834487	-3.077255874	-3.425394897	-0.273259876	0.5911644	0.701677	0.6741092	0.9690295	3.3344622
5170000000	1.72787596	1.4137116694	-4.877114612	-2.754789788	-4.115780837	-0.483557295	0.5703537	0.7282165	0.6226026	0.9548497	3.1280223
5170000000	1.72787596	1.466076572	-5.56191912	-2.360526085	-5.391304163	-1.004244256	0.5271139	0.7620329	0.5375697	0.8908155	2.6628935
5170000000	1.72787596	1.518436449	-6.26938698	-1.97320121	-6.861279322	-1.989522201	0.4858818	0.7967801	0.4538748	0.795287	2.0408694
5170000000	1.72787596	1.570796327	-6.548281331	-1.614319089	-7.786708179	-3.381643652	0.4705285	0.8303937	0.4080042	0.6775133	1.5344092
5170000000	1.72787596	1.623156204	-6.195484065	-1.292256786	-7.850637295	-4.892198622	0.4900335	0.8617616	0.4050122	0.5693641	1.3122246
5170000000	1.72787596	1.675516082	-5.608715408	-1.045486071	-8.751510661	-6.134510661	0.5242811	0.8865959	0.4213473	0.4934856	1.3105106
5170000000	1.72787596	1.72787596	-5.291164922	-0.942399616	-7.052088735	-6.927438271	0.5438032	0.8971809	0.4440129	0.4504308	1.3467289
5170000000	1.72787596	1.780235837	-5.282494155	-1.044329382	-7.464669924	-7.272658863	0.5443463	0.8867139	0.4815779	0.4328795	1.3841742
5170000000	1.72787596	1.832595715	-5.222734491	-1.352861761	-5.392536772	-7.130513808	0.5481044	0.8557697	0.5374934	0.4400219	1.5160086
5170000000	1.72787596	1.884955592	-4.896984322	-1.772368171	-4.580528461	-6.809289465	0.5690505	0.8514204	0.5898577	0.4565996	1.6948426
5170000000	1.72787596	1.93731547	-4.636082402	-2.14496544	-4.304372417	-7.010174877	0.5864026	0.7811811	0.6092301	0.4461606	1.6663769
5170000000	1.72787596	1.989675347	-4.915512119	-2.383018522	-4.651171747	-8.1708029	0.5678379	0.7600021	0.5853884	0.3903551	1.2277055
5170000000	1.72787596	2.042035225	-5.783677765	-2.559307713	-5.415752729	-9.756414552	0.513826	0.7447913	0.5360587	0.3252121	0.5056978
5170000000	1.72787596	2.094395102	-6.443309706	-2.826457659	-6.123245259	-9.640153085	0.4762495	0.7222326	0.494126	0.3296039	0.095934
5170000000	1.72787596	2.14675498	-6.048765309	-3.311081571	-6.420331938	-7.896717637	0.4983813	0.6830397	0.477511	0.4028692	0.264336
5170000000	1.72787596	2.199114858	-5.430025637	-4.123549017	-6.528188483	-6.768053256	0.5351786	0.6220461	0.4716182	0.4587725	0.3724096
5170000000	1.72787596	2.251474735	-5.558820915	-5.427562956	-6.904168371	-7.020788322	0.5273014	0.5353030	0.4516392	0.4465158	-0.17598
5170000000	1.72787596	2.303834613	-6.276930964	-7.452335822	-7.771831235	-8.442551033	0.48546	0.4204169	0.4087036	0.3783315	-1.429461
5170000000	1.72787596	2.35619449	-6.558812319	-10.30860994	-1.122686012	-9.426510772	0.4699584	0.3051894	0.35024	0.3378115	-2.71453
5170000000	1.72787596	2.408554368	-6.365721049	-13.11375166	-10.90554923	-8.336381584	0.4805227	0.2209594	0.2849197	0.3829843	-3.290882
5170000000	1.72787596	2.460914245	-7.044151625	-13.45502149	-13.30517577	-6.790502016	0.4444188	0.2124418	0.216143	0.4575883	-3.539703
5170000000	1.72787596	2.513274123	-9.319560994	-11.92512723	-16.15370226	-5.882289271	0.3419967	0.2533633	0.1557094	0.5080255	-4.01943
5170000000	1.72787596	2.565634	-11.10889951	-10.19213334	-18.09743792	-5.505299075	0.2783268	0.3093096	0.1244882	0.5305607	-4.133377
5170000000	1.72787596	2.617993878	-9.403490226	-8.662801255	-15.40949163	-5.465483903	0.338708	0.3688586	0.1103962	0.5329983	-3.407743
5170000000	1.72787596	2.670353756	-8.229288871	-7.724113029	-19.32596649	-5.946424363	0.3877355	0.4109551	0.1080691	0.5042882	-3.029765
5170000000	1.72787596	2.722713633	-9.158464413	-7.672815787	-15.50432291	-7.291744544	0.3483989	0.4133893	0.1677969	0.4319294	-3.340155
5170000000	1.72787596	2.775073511	-11.92065675	-8.490339213	-11.99419431	-9.135737659	0.2534937	0.3762557	0.2513566	0.3493117	-4.219549
5170000000	1.72787596	2.827433388	-14.38745106	-9.756584688	-10.75151827	-9.508737583	0.1908216	0.3252151	0.290032	0.3346286	-4.877191
5170000000	1.72787596	2.879793266	-13.0086733	-10.81518673	-11.84484107	-8.399263114	0.2236487	0.2878993	0.255716	0.3802217	-4.826554
5170000000	1.72787596	2.932151343	-10.46385824	-11.54970322	-15.3768625	-7.889581901	0.2997831	0			

5170000000	1.780235837	-0.680678408	1.440733995	4.008243083	-1.170125403	0.792053776	1.1804204	1.586398	0.8739644	1.0954755	7.4881077
5170000000	1.780235837	-0.628318531	1.557969649	3.983164214	-0.15033262	1.04428012	1.1964608	1.5818242	0.9828412	1.127753	7.7635864
5170000000	1.780235837	-0.575958653	1.044899443	3.70869939	0.743094704	1.130763251	1.1278335	1.5615054	1.0893181	1.1390379	8.1746317
5170000000	1.780235837	-0.523598776	0.566693178	3.744273998	1.248060655	1.265906849	1.0674477	1.5389117	1.154517	1.1658987	8.7147734
5170000000	1.780235837	-0.471238898	1.269064274	3.695725139	1.363444811	1.577143434	1.1573193	1.5033341	1.1700845	1.1991049	8.0569893
5170000000	1.780235837	-0.41887902	2.50529866	3.736030204	1.292800413	1.983253751	1.3343532	1.5374518	1.1604863	1.2565006	8.4465
5170000000	1.780235837	-0.366519143	3.023942546	3.763316186	1.325456339	2.266133974	1.4164366	1.5422892	1.1660772	1.2980957	8.6640298
5170000000	1.780235837	-0.314159265	2.500006309	3.650940982	1.685242024	2.238054628	1.3352224	1.5224641	1.2142027	1.293906	8.5693926
5170000000	1.780235837	-0.261799388	1.339102306	3.349495775	2.251258442	1.899815823	1.166689	1.470533	1.2958744	1.2448882	8.2619444
5170000000	1.780235837	-0.20943951	0.523364355	2.924216369	2.726983927	1.498697357	1.0621069	1.4002669	1.3687367	1.188324	7.9924959
5170000000	1.780235837	-0.157079633	0.489173595	2.52640944	2.837459044	1.357534341	1.0579343	1.3375822	1.3863502	1.1691765	7.8733184
5170000000	1.780235837	-0.104719755	0.50410067	2.308899131	2.522194569	1.582531602	1.0597539	1.3045026	1.3369333	1.199849	7.7851628
5170000000	1.780235837	-0.052359878	0.089190237	2.328544247	2.07043941	1.044134867	1.0103213	1.3074564	1.2691763	1.2653386	7.6983397
5170000000	1.780235837	-4.44E-16	-0.493607418	2.518695282	2.038146988	2.560233996	0.9447559	1.3363948	1.2644666	1.3428011	7.7627675
5170000000	1.780235837	0.052359878	-0.707442864	2.751664235	2.541236856	3.015006943	0.9217812	1.372724	1.3398675	1.4149801	8.0441144
5170000000	1.780235837	0.104719755	-0.490724114	2.922487734	3.027039322	3.393773596	0.9450696	1.3999882	1.4169416	1.4780485	8.3661053
5170000000	1.780235837	0.157079633	-0.19735538	2.994811038	3.012458038	3.728737355	0.9775348	1.4116939	1.414565	1.5361615	8.5301524
5170000000	1.780235837	0.20943951	0.007690498	3.001041416	2.388120652	4.004867119	1.0008858	1.4127068	1.316455	1.5857815	8.4908206
5170000000	1.780235837	0.261799388	0.166252629	3.009654033	1.37055659	4.141374916	1.0193249	1.4141084	1.1709216	1.6109006	8.3249119
5170000000	1.780235837	0.314159265	0.250372489	3.075144685	0.458649033	4.077866568	1.0292447	1.4248109	1.054223	1.5991652	8.143472
5170000000	1.780235837	0.366519143	0.13970974	3.198269738	0.123837033	3.861841016	1.0162147	1.4451519	1.015411	1.5958831	8.0222539
5170000000	1.780235837	0.41887902	-0.129801889	3.32689711	0.352426436	3.633848728	0.9851671	1.466712	1.0405485	1.5194711	7.7994458
5170000000	1.780235837	0.471238898	-0.287560811	3.392062301	0.635433758	3.501696339	0.9674354	1.4777573	1.0758995	1.4965279	7.9893555
5170000000	1.780235837	0.523598776	-0.221345086	3.342839838	-0.579004467	3.428300292	0.9748387	1.4694066	1.0679355	1.4839555	7.9250508
5170000000	1.780235837	0.575958653	-0.211104477	3.158667245	-0.118413916	3.278466846	0.9759887	1.4385778	0.9864596	1.4855568	7.71138
5170000000	1.780235837	0.628318531	-0.479015458	2.843266254	-1.449364665	2.974924722	0.9463444	1.3872774	0.8463144	1.4084656	7.212629
5170000000	1.780235837	0.680678408	-0.876558804	2.410831763	-2.773551961	2.594586247	0.9040076	1.3199017	0.7266452	1.3481224	6.646096
5170000000	1.780235837	0.73038286	-1.114933355	1.873848144	-2.763839067	2.302346997	0.8795354	1.2407732	0.7274582	1.303519	6.3430527
5170000000	1.780235837	0.785398163	-1.180125529	1.40637918	-1.65127979	2.179540854	0.8729588	1.1503738	0.8268677	1.2847553	6.3154611
5170000000	1.780235837	0.837758041	-1.253378922	0.524298556	-0.771046413	2.142672865	0.8656275	1.0622211	0.915056	1.2797751	6.282992
5170000000	1.780235837	0.890117919	-1.339116167	-0.242703077	-0.592208268	2.082390484	0.8571251	0.9724445	0.9340919	1.2709238	6.0953781
5170000000	1.780235837	0.942477796	-1.308440466	-0.99468325	-0.979710652	1.943827381	0.8601575	0.8917967	0.8933352	1.2508101	5.7920008
5170000000	1.780235837	0.994837674	-1.273928004	-1.633492178	-1.599479973	1.753466735	0.863582	0.8285627	0.8318136	1.2326954	5.4545893
5170000000	1.780235837	1.047197551	-1.572647576	-2.07083637	-2.712526032	1.549775412	0.8343872	0.7878766	0.7751285	1.1953326	5.0878792
5170000000	1.780235837	1.099557429	-2.365587469	-2.298129092	-2.85812903	1.333724592	0.7615889	0.7675268	0.719604	1.165967	4.6646473
5170000000	1.780235837	1.151917306	-3.420494183	-2.397312265	-3.635694237	1.0737016	0.6744897	0.7588123	0.6579839	1.1315795	4.1442436
5170000000	1.780235837	1.204277184	-4.2092220784	-2.466021828	-4.322877955	0.750371101	0.6159408	0.7528335	0.6079335	1.0877712	3.706533
5170000000	1.780235837	1.256637061	-4.38272589	-2.540572733	-4.442244733	0.313104003	0.6037591	0.7463995	0.5996361	1.036705	3.4826498
5170000000	1.780235837	1.308996939	-4.18033939	-2.579949351	-4.038548297	-0.101533192	0.6179923	0.7430235	0.6281633	0.9883786	3.4566037
5170000000	1.780235837	1.361356817	-4.124689826	-2.521201369	-3.74351029	-0.4946541	0.6219644	0.748086	0.649867	0.9446421	3.4185448
5170000000	1.780235837	1.413716694	-4.518897007	-2.362001509	-4.014140687	-1.031063779	0.5943676	0.7619034	0.629931	0.8806092	3.1499551
5170000000	1.780235837	1.466076572	-5.311126679	-2.168825371	-4.296267471	-1.935624409	0.5425549	0.7790382	0.5669159	0.8002373	2.5703964
5170000000	1.780235837	1.518436449	-6.191627578	-1.998829149	-6.264065513	-3.264282512	0.4902512	0.7944353	0.4861796	0.6867798	1.7896093
5170000000	1.780235837	1.570796327	-6.79421917	-1.843402068	-7.542362881	-4.740825251	0.4634778	0.8087791	0.4196448	0.5793736	1.1047956
5170000000	1.780235837	1.623156204	-6.437290717	-1.65232252	-8.367810736	-5.816077543	0.4765796	0.8267684	0.381601	0.511193	0.8154554
5170000000	1.780235837	1.675516082	-5.865782233	-1.40693537	-6.245712366	-7.045712366	0.5089919	0.8504587	0.362424	0.481708	0.863639
5170000000	1.780235837	1.72787596	-5.616909379	-1.170987449	-8.967170991	-6.34813132	0.5237868	0.8738776	0.356157	0.4814968	0.9661873
5170000000	1.780235837	1.780235837	-5.821158318	-1.064048505	-8.406336758	-6.351493593	0.5116136	0.8847032	0.3799121	0.4813105	0.9521067
5170000000	1.780235837	1.832595715	-6.036154922	-1.181017463	-7.090438926	-6.190666611	0.4991054	0.8728691	0.4420568	0.4898315	1.2285321
5170000000	1.780235837	1.884955592	-5.795233266	-1.525024041	-5.801467005	-6.018185295	0.5131429	0.8389746	0.5127748	0.500139	1.4561378
5170000000	1.780235837	1.93731547	-5.37710445	-1.99535234	-5.138955761	-6.156675797	0.5384493	0.7947534	0.5534166	0.4922279	1.5067308
5170000000	1.780235837	1.989675347	-5.404596869	-2.452347063	-5.226226666	-6.362502748	0.5376747	0.7540196	0.5478841	0.4656664	1.2302472
5170000000	1.780235837	2.042035225	-5.981377833	-2.83279588	-5.868797088	-6.888825851	0.5022629	0.7217058	0.5088153	0.4524376	0.7693099
5170000000	1.780235837	2.094395102	-6.33131976	-3.19663714	-6.632230554	-7.451473791	0.4824297	0.6920898	0.4660027	0.4758021	0.4910814
5170000000	1.780235837	2.14675498	-5.788944524	-3.662381924	-7.095231136	-5.866780429	0.5135146	0.6559564	0.441813	0.5089334	0.5070445
5170000000	1.780235837	2.199114858	-5.206252011	-4.356553955	-7.288466088	-5.900004128	0.5491455	0.6055811	0.4320925	0.5069095	0.3981433
5170000000	1.780235837	2.251474735	-5.451770711	-5.440701865	-7.565181231	-6.851420584	0.5384004	0.5345521	0.4185438	0.4543902	-0.258766
5170000000	1.780235837	2.303834613	-6.346646765	-7.139361181	-8.36857288	-8.299822184	0.4815791	0.5395739	0.3918836	0.3845997	-1.423706
5170000000	1.780235837	2.35619449	-6.742631973	-9.679701742	-9.032181022	-8.84508439	0.4601171	0.3281066	0.3535012	0.3611984	-2.481864
5170000000	1.780235837	2.408554368	-6.445788715	-12.967800003	-10.37340495	-8.400789123	0.4761136	0.2247036	0.3029213	0.396242	-3.09816
5170000000	1.780235837	2.460914245	-6.913467375	-15.37100932	-12.50831718	-7.091710029	0.4511561	0.1703921	0.2369104	0.4419921	-3.738722
5170000000	1.780235837	2.513274123	-9.044626853	-14.42195471	-15.60585233	-6.504947287	0.3529951	0.1900651	0.1658469	0.4728818	-4.569802
5170000000	1.780235837	2.565634	-11.40033954	-11.81809021	-12.45220924	-6.15635758	0.269143	0.2565048	0.119506	0.4922459	-4.902338
5170000000	1.780235837	2.617939878	-10.14321999	-9.462348798	-19.43963948	-6.030087054	0.3110563	0.3464206	0.106664	0.4994542	-4.057454
5170000000	1.780235837	2.670353756	-8.699033827	-8.005386811	-18.75960303	-6.466757972	0.3673232	0.3978603	0.1153506	0.4749655	-3.378612
5170000000	1.780235837	2.722713633	-9.260463951	-7.638145928	-15.39146512	-7.813424553	0.3443315	0.4150246	0.1699913	0.4067511	-3.503713
5170000000	1.780235837	2.775073511	-11.71947446	-8.285147012	-12.30962915	-9.542174448	0.2594336	0.382525	0.2423921	0.333343	-4.290423
5170000000	1.780235837	2.827433388	-14.43929425	-9.5							

5170000000	1.832595715	-0.785398163	0.104888554	4.087043198	-1.960248813	-0.794708458	1.0121489	1.6008556	0.7979718	0.9125666	6.6961957
5170000000	1.832595715	-0.733038286	0.492596173	4.109199042	-1.649149569	0.143657618	1.0583512	1.6049443	0.8270705	1.0166767	7.0572335
5170000000	1.832595715	-0.680678408	0.926200765	4.088257619	-0.907491289	0.72837991	1.1125257	1.6010794	0.9007939	1.0874743	7.4248185
5170000000	1.832595715	-0.628318531	1.079885185	3.978669645	0.052054784	0.99733594	1.1323854	1.5810059	1.006011	1.1216744	7.6827933
5170000000	1.832595715	-0.575958653	0.720596887	3.776937767	0.84612015	1.117753483	1.0865003	1.5447098	1.1023157	1.1373331	7.731511
5170000000	1.832595715	-0.523598776	0.492352004	3.559746635	1.26492928	1.27715394	1.0583215	1.5065631	1.1567685	1.1583977	7.747887
5170000000	1.832595715	-0.471238898	1.326615943	3.441141725	1.35682131	1.549589376	1.1650131	1.486311	1.1662297	1.195307	7.9808011
5170000000	1.832595715	-0.41887902	2.529264461	3.455692082	1.270303295	1.870662679	1.3380219	1.4886262	1.1574844	1.2403182	8.340207
5170000000	1.832595715	-0.366519143	3.000400435	3.50210902	1.352890269	2.091579132	1.4126027	1.496599	1.1685425	1.272269	8.5464972
5170000000	1.832595715	-0.314159265	2.463155433	3.435448927	1.73384158	2.06287473	1.3278768	1.4851573	1.2209337	1.2680715	8.4682588
5170000000	1.832595715	-0.261799388	1.322220611	3.189295996	2.29157798	1.781737025	1.1644237	1.4436596	1.3019038	1.2276847	8.1947273
5170000000	1.832595715	-0.20943951	0.532076322	2.819961534	2.737113323	1.466383027	1.0631727	1.3835603	1.3704262	1.1839113	7.9606595
5170000000	1.832595715	-0.157079633	0.49875149	2.473077432	2.821395667	1.38767615	1.0591015	1.3293945	1.3837887	1.1732318	7.8636331
5170000000	1.832595715	-0.104719755	0.506399192	2.29375806	2.496760209	1.621391571	1.0600344	1.3022306	1.3330241	1.205229	7.7842402
5170000000	1.832595715	-0.052359878	0.090156963	2.331206316	2.055686905	2.061855886	1.0104338	1.3078572	1.2670226	1.2679227	7.7000287
5170000000	1.832595715	-4.44E-16	-0.493607238	2.518694802	2.038146643	2.560234315	0.944756	1.3363947	1.2644665	1.3428012	7.7627674
5170000000	1.832595715	0.052359878	-0.71580086	2.737075715	2.545016515	3.459639006	0.9208947	1.3704203	1.3404506	1.413922	8.0378073
5170000000	1.832595715	0.104719755	-0.505345238	2.890635387	3.039418954	3.384889501	0.9434801	1.3948637	1.4189626	1.4765375	8.3558153
5170000000	1.832595715	0.157079633	-0.199593349	2.94622771	3.057977214	3.177704124	0.977283	1.4038199	1.4222956	1.5342114	8.5263366
5170000000	1.832595715	0.20943951	0.042208181	3.294869439	2.50526786	3.994663451	1.0048712	1.4019853	1.3343304	1.5839197	8.9505664
5170000000	1.832595715	0.261799388	0.253962257	2.927041874	1.572469536	1.436718248	1.0296701	1.4007225	1.1984598	1.6100372	8.364185
5170000000	1.832595715	0.314159265	0.391542674	2.987227754	0.691984705	0.407770115	1.0461095	1.410462	1.0829271	1.5993316	8.1966584
5170000000	1.832595715	0.366519143	0.318807837	3.125446502	0.301812632	3.859357483	1.037386	1.4303862	1.0353582	1.5953471	8.071448
5170000000	1.832595715	0.41887902	0.059009869	3.284537829	0.464641351	3.614687167	1.0068169	1.4595766	1.0527423	1.5161227	8.0198355
5170000000	1.832595715	0.471238898	-0.106249431	3.37551709	0.775187376	3.459639476	0.9878421	1.4794561	1.091087	1.4892993	8.0334781
5170000000	1.832595715	0.523598776	-0.016659076	3.323435586	0.795117124	3.365782817	0.9980839	1.4661276	1.095862	1.4732931	8.0165173
5170000000	1.832595715	0.575958653	0.068079149	3.090350591	0.256254468	3.196699932	1.0078687	1.4273074	1.0299419	1.4448907	7.8010453
5170000000	1.832595715	0.628318531	-0.110247884	2.675463647	-0.916075401	2.870129434	0.9877835	1.3607338	0.8999041	1.3915745	7.3090107
5170000000	1.832595715	0.680678408	-0.460465767	2.104143261	-2.215199535	2.46473096	0.9483676	1.3704107	0.7748899	1.3281176	6.7000981
5170000000	1.832595715	0.733038286	-0.724021761	1.41406374	-2.46005609	2.160963368	0.9200235	1.1678014	0.7533507	1.2824728	6.3039639
5170000000	1.832595715	0.785398163	-0.849478921	0.644603663	-1.552512776	2.064892263	0.9068304	1.0770359	0.8632326	1.2633661	6.210799
5170000000	1.832595715	0.837758041	-0.9629109	-0.165347238	-0.661048492	2.124454197	0.8950648	0.9811437	0.926718	1.2770935	6.1926459
5170000000	1.832595715	0.890117919	-1.036763161	-0.966912279	-0.341127682	2.218527299	0.8874867	0.8946525	0.9614874	1.2910004	6.0954679
5170000000	1.832595715	0.942477796	-0.931486389	-1.679488325	-0.529333644	2.260208387	0.8983089	0.8241867	0.9400878	1.2972104	5.9345485
5170000000	1.832595715	0.994836764	-0.779908553	-2.187397271	-0.970958584	2.209619221	0.9141229	0.7773742	0.8942358	1.289677	5.7547551
5170000000	1.832595715	1.047197551	-0.94111697	-2.404020419	-1.511112236	2.041072098	0.8973134	0.7582265	0.8403194	1.2648925	5.4848935
5170000000	1.832595715	1.099557429	-1.578629117	-2.36147035	-2.222797557	1.748205162	0.8338128	0.76195	0.7742124	1.2229544	5.0883742
5170000000	1.832595715	1.151917306	-2.474422454	-2.194252272	-3.22258518	1.362333533	0.7521057	0.776761	0.6900344	1.1699483	4.5804454
5170000000	1.832595715	1.204277184	-3.158703418	-2.032820282	-4.317734373	0.929219544	0.6951281	0.7913325	0.6082936	1.121924	4.1031845
5170000000	1.832595715	1.256637061	-3.36522286	-1.93286391	-4.87163786	0.473473779	0.681042	0.8049416	0.5707134	1.0560238	3.8297772
5170000000	1.832595715	1.308996939	-3.21602072	-1.873509683	-4.608129287	0.001003941	0.6905561	0.8059805	0.5882928	1.0001156	3.7643485
5170000000	1.832595715	1.361356817	-3.255863538	-1.806201255	-4.180618642	-0.567368291	0.6873957	0.8122504	0.6179774	0.936767	3.6778771
5170000000	1.832595715	1.413716694	-3.735560267	-1.72302355	-4.210996749	-1.401352429	0.6504621	0.8200659	0.6158149	0.8510055	3.3385091
5170000000	1.832595715	1.466076572	-4.617509317	-1.675678268	-4.847966761	-2.584572465	0.5876578	0.8245483	0.5722709	0.7462281	2.6934376
5170000000	1.832595715	1.518436449	-5.613038711	-1.719885595	-5.9052939	-3.880086328	0.5240202	0.8203623	0.5066451	0.6397285	1.9060242
5170000000	1.832595715	1.570796327	-6.226379837	-1.84838542	-7.00340072	-4.761243254	0.4882936	0.8083152	0.4665119	0.5780133	1.293404
5170000000	1.832595715	1.623156204	-6.076558008	-1.969871785	-7.863704595	-5.046143779	0.4967891	0.7970808	0.4044034	0.5959318	1.0525039
5170000000	1.832595715	1.675516082	-5.93149086	-1.961784034	-6.808447356	-5.146035106	0.5252216	0.7978803	0.3711741	0.5529658	1.0122405
5170000000	1.832595715	1.72787596	-5.508300164	-1.792395364	-9.353121544	-5.3488791	0.5303774	0.8135425	0.3406779	0.5402018	0.9252178
5170000000	1.832595715	1.780235837	-6.000847072	-1.58525208	-9.508524892	-5.486215881	0.5011384	0.8331772	0.3346368	0.5317276	0.8305382
5170000000	1.832595715	1.832595715	-6.533254678	-1.52124623	-8.504420069	-5.340816648	0.4713432	0.8393396	0.3756462	0.5407035	0.933931
5170000000	1.832595715	1.884955592	-6.354318967	-1.702272107	-7.175194033	-5.136383424	0.4811539	0.8202076	0.4377643	0.5535806	1.1936211
5170000000	1.832595715	1.93731547	-5.740968463	-2.102035573	-6.463017149	-5.206080899	0.5163588	0.7850516	0.4751701	0.5491563	1.3106115
5170000000	1.832595715	1.989675347	-5.533792173	-2.60276367	-6.660113157	-5.474916915	0.5288231	0.7410744	0.4645092	0.5324197	1.0877655
5170000000	1.832595715	2.042035225	-5.884054272	-3.091855301	-7.968060412	-5.543145086	0.5079223	0.7004885	0.4125314	0.5282539	0.6249616
5170000000	1.832595715	2.094395102	-6.022207365	-3.552464126	-9.163175473	-5.321982641	0.4999075	0.6643192	0.34821	0.5418772	0.2327359
5170000000	1.832595715	2.14675498	-5.42206292	-4.05594776	-10.3120221	-5.257080887	0.5356694	0.6269063	0.3050696	0.5459413	0.0588062
5170000000	1.832595715	2.199114858	-4.941989712	-4.696161791	-10.62427127	-5.780151945	0.5661096	0.5823605	0.2942974	0.5140347	-0.189662
5170000000	1.832595715	2.251474735	-5.361505322	-5.58182459	-10.44115781	-6.886412638	0.5394171	0.5259068	0.3005676	0.4525633	-0.82655
5170000000	1.832595715	2.303834613	-6.430610571	-6.877141911	-10.19308331	-7.927781751	0.4769463	0.4530466	0.3092757	0.401431	-1.720018
5170000000	1.832595715	2.35619449	-6.811547655	-8.794960825	-10.1273444	-8.185300943	0.4564809	0.3632888	0.3116254	0.3897041	-2.37745
5170000000	1.832595715	2.408554368	-6.316180045	-11.50248259	-10.64497328	-7.992976927	0.4832713	0.2659965	0.2935968	0.3984292	-2.84555
5170000000	1.832595715	2.460914245	-6.606247584	-14.70993606	-12.26824317	-7.87281802	0.4673988	0.1836667	0.2435498	0.4039793	-3.74979
5170000000	1.832595715	2.513274123	-8.679258663	-15.84171508	-15.32138223	-7.75315776	0.3681604	0.161404	0.1713685	0.4095832	-5.110103
5170000000	1.832595715	2.565634	-11.6062224	-13.08471434	-18.77277421	-7.450509107	0.2628384	0.1226193	0.1151758	0.4241061	-5.816131
5170000000	1.832595715	2.617993878	-10.846930352	-10.06054477	-19.193291128	-7.28685	0.28685	0.3140312	0.1051582	0.4368531	-8.460492
5170000000	1.832595715	2.670353756	-9.108965763	-8.185293401	-18.23731564	-7.510280292	0.35039	0.3897044	0.1224995	0.4211977	-8.350709
5170000000	1.832595715	2.722713633	-9.345374703	-7.553249657							

5170000000	1.884955592	-0.890117919	-1.095855699	3.953673947	-1.877688946	-3.555198805	0.8814693	1.5764627	0.8055928	0.6641101	5.8620222
5170000000	1.884955592	-0.837758041	-0.295329332	4.058291709	-1.879176428	-2.27032755	0.9665705	1.5956553	0.8054548	0.7699874	6.314324
5170000000	1.884955592	-0.785398163	-0.048655465	4.093477314	-1.768389512	-0.926493879	0.994414	1.6020049	0.815794	0.8988253	6.6711121
5170000000	1.884955592	-0.730382826	0.077903565	4.094215062	-1.354114277	0.090600163	1.0090093	1.602178	0.8556463	1.0104853	6.9997607
5170000000	1.884955592	-0.680678408	0.434679294	4.043691715	-0.578348619	0.708967863	1.0513177	1.5928856	0.9355835	1.0850466	7.3561229
5170000000	1.884955592	-0.628318531	0.678201571	3.893327413	0.309508818	1.040544624	1.082101	1.5655479	1.036276	1.1272681	7.6228472
5170000000	1.884955592	-0.575958653	0.526567225	3.631035617	0.988267603	1.253970589	1.0624986	1.518979	1.1205039	1.15531	7.7072835
5170000000	1.884955592	-0.523598776	0.543831748	3.34736215	1.307439049	1.45829365	1.0646126	1.4680364	1.1624438	1.1280092	7.7440612
5170000000	1.884955592	-0.471238898	1.441959809	3.134288863	1.3267085	1.458742392	1.180587	1.4360331	1.1650255	1.2104229	7.9450107
5170000000	1.884955592	-0.41887902	2.563453137	3.126249536	1.268562759	1.831249386	1.3432989	1.4332187	1.1572525	1.2347029	8.2466542
5170000000	1.884955592	-0.366519143	2.967301551	3.19222159	1.39243751	1.933479882	1.40723	1.4441459	1.1738751	1.2493209	8.4231443
5170000000	1.884955592	-0.314159265	2.413205061	3.178596643	1.797865826	1.878746001	1.3202624	1.4418824	1.2299665	1.2147331	8.3553846
5170000000	1.884955592	-0.261799388	1.299218162	2.998944393	3.40241626	1.658098706	1.1613441	1.4123659	1.3092183	1.2103332	8.1193195
5170000000	1.884955592	-0.20943951	0.54188247	2.697817273	2.749516654	1.441200052	1.0643737	1.3642403	1.3723846	1.1804837	7.9265718
5170000000	1.884955592	-0.157079633	0.50837359	2.412345458	2.802847666	1.429805449	1.0602754	1.3201317	1.3808369	1.1789361	7.8542558
5170000000	1.884955592	-0.104719755	0.506027702	2.277431869	2.468169894	1.668632198	1.0599891	1.2997852	1.3286436	1.2118018	7.7837112
5170000000	1.884955592	-0.052359878	0.089071622	2.334373636	2.03995616	2.082522552	1.0103075	1.3083342	1.26473	1.2709432	7.7019588
5170000000	1.884955592	-4.44E-16	-0.493607355	2.518695172	2.038146528	2.560233799	0.9447559	1.3363947	1.2644665	1.3428011	7.7627673
5170000000	1.884955592	0.052359878	-0.724376166	2.722449334	2.54687325	3.001503844	0.9199859	1.3681146	1.3407372	1.4127821	8.030802
5170000000	1.884955592	0.104719755	-0.521390763	2.86003923	3.048752034	3.37361054	0.9416832	1.3899589	1.4204881	1.4746214	8.3440373
5170000000	1.884955592	0.157079633	-0.205086934	2.900285684	3.105914962	3.697008151	0.9766651	1.3964143	1.4298673	1.5305602	8.5196573
5170000000	1.884955592	0.20943951	0.070045691	2.871259788	2.62394127	3.962643734	1.0081444	1.3917556	1.3526862	1.5780915	8.5150487
5170000000	1.884955592	0.261799388	0.329136931	2.846155968	1.723470703	4.098866406	1.0386204	1.387739	1.2268375	1.6030362	8.3928923
5170000000	1.884955592	0.314159265	0.514721678	2.902244034	0.924880172	4.041184227	1.0610506	1.3967292	1.1123565	1.5924258	8.2367059
5170000000	1.884955592	0.366519143	0.480962583	3.059180244	0.945699421	4.317705195	1.0569346	1.4059146	1.0551118	1.5919769	8.1072993
5170000000	1.884955592	0.41887902	0.237468707	3.250253852	0.523602718	3.5496868252	1.0277168	1.4538269	1.062136	1.504816	8.0426399
5170000000	1.884955592	0.471238898	0.065678532	3.36224415	0.82328788	3.348156908	1.0075902	1.4726929	1.0996803	1.4703064	8.0456917
5170000000	1.884955592	0.523598776	0.169764618	3.297955212	0.936688451	3.199850964	1.0197371	1.461833	1.113698	1.445415	8.029484
5170000000	1.884955592	0.575958653	0.326422477	3.009397925	0.52061774	2.99136266	1.0382959	1.4410667	1.0623144	1.4111336	7.8289543
5170000000	1.884955592	0.628318531	0.254643622	2.500563819	-0.499944062	2.659759266	1.0297509	1.333608	0.944067	1.3582758	7.3577394
5170000000	1.884955592	0.680678408	-0.01509796	1.816026289	-1.758456498	2.291748094	0.9982633	1.2326226	0.8167275	1.3019293	6.7482721
5170000000	1.884955592	0.730382826	-0.279829177	1.027023079	-2.263507397	2.054423026	0.9682969	1.2255147	0.7705922	1.2668382	6.3010128
5170000000	1.884955592	0.785398163	-0.47800962	0.204869863	-1.666553459	2.028651705	0.946454	1.0238669	0.8254149	1.263085	6.1473978
5170000000	1.884955592	0.837758041	-0.674988736	-0.590786608	-0.871450627	2.155256705	0.9252318	0.9342448	0.9045394	1.1261305	6.119186
5170000000	1.884955592	0.890117919	-0.782736516	-1.312605583	-0.48802355	2.321371675	0.9138253	0.8597451	0.9460103	1.3063772	6.0767847
5170000000	1.884955592	0.942477796	-0.625036246	-1.898883248	-0.94868029	2.430176865	0.9305682	0.8036294	0.9442043	1.3228446	6.0233064
5170000000	1.884955592	0.994836764	-0.352288984	-2.265057852	-0.718286093	2.402885472	0.9602527	0.7704547	0.920633	1.3186947	5.9552872
5170000000	1.884955592	1.047197551	-0.354774603	-2.360271083	-1.045867907	2.177387599	0.959978	0.7620552	0.8865659	1.2849002	5.7861819
5170000000	1.884955592	1.099557429	-0.80042391	-2.231638936	-1.586577312	1.752878313	0.9119663	0.7734247	0.8330501	1.2236125	5.4416004
5170000000	1.884955592	1.151917306	-1.483731284	-1.995360983	-2.463391726	1.220250918	0.8429726	0.7947526	0.7530615	1.1508336	4.96344
5170000000	1.884955592	1.204277184	-1.993813172	-1.755500623	-3.542346663	0.698799192	0.7948942	0.8170055	0.6650951	1.0837771	4.5081808
5170000000	1.884955592	1.256637061	-2.101233421	-1.559237662	-4.300769575	0.234369232	0.7851241	0.8356764	0.6094829	1.0723501	4.2374451
5170000000	1.884955592	1.308996939	-2.008662443	-1.397563036	-4.352573923	-0.243957674	0.7935364	0.8513769	0.6058586	0.9723041	4.1448112
5170000000	1.884955592	1.361356817	-2.121982403	-1.240682506	-4.103568965	-0.907621413	0.7832509	0.8688938	0.6234786	0.9007804	4.012643
5170000000	1.884955592	1.413716694	-2.685699917	-1.091109458	-4.141415953	-1.90786334	0.734032	0.8819511	0.6207678	0.802799	3.6355859
5170000000	1.884955592	1.466076572	-3.650028539	-1.003656531	-4.662494757	-3.129599679	0.656899	0.8908758	0.5846221	0.6974611	3.0146932
5170000000	1.884955592	1.518436449	-4.701090101	-1.049239931	-5.515256083	-4.060475382	0.5820302	0.8862128	0.5299528	0.6265796	2.3162127
5170000000	1.884955592	1.570796327	-5.321993136	-1.260800768	-6.376309756	-4.348536904	0.5418765	0.8648828	0.4799373	0.6061403	1.9132642
5170000000	1.884955592	1.623156204	-5.21287565	-1.591388877	-7.074709986	-4.3872986	0.5487269	0.8325888	0.442858	0.603442	1.6829986
5170000000	1.884955592	1.675516082	-4.88075922	-1.901402446	-7.817753351	-4.640673927	0.5701144	0.8033964	0.4065485	0.5860927	1.4602529
5170000000	1.884955592	1.72787596	-5.033075513	-2.036285336	-8.873311174	-5.043740316	0.560204	0.7910168	0.3615209	0.5595166	1.1085545
5170000000	1.884955592	1.780235837	-5.809444091	-1.988997609	-7.321341633	-5.158583552	0.5123041	0.7595335	0.3265374	0.5521675	0.7737699
5170000000	1.884955592	1.832595715	-6.543669001	-1.929133441	-9.486620914	-4.921251472	0.4707784	0.8008355	0.3354818	0.5674628	0.7268223
5170000000	1.884955592	1.884955592	-6.306290399	-2.034942735	-8.437974525	-4.840914434	0.4838219	0.7911391	0.3785308	0.5727357	0.9307912
5170000000	1.884955592	1.93731547	-5.535930391	-2.359389434	-7.781689965	-5.248079838	0.5286929	0.7621326	0.4082399	0.5465074	1.0059428
5170000000	1.884955592	1.989675347	-5.236761238	-2.826863705	-8.097253329	-5.920151539	0.54722	0.7221989	0.3936745	0.5058158	0.7042271
5170000000	1.884955592	2.042035225	-5.522745455	-3.317707252	-9.518722414	-6.311160974	0.5294961	0.6825188	0.3342442	0.4835506	1.0285066
5170000000	1.884955592	2.094395102	-5.593367997	-3.781549357	-11.94767708	-6.31825356	0.5252083	0.6470272	0.2527063	0.4831559	-0.408587
5170000000	1.884955592	2.14675498	-5.020334648	-4.270502791	-14.67577736	-6.463452258	0.5610264	0.6116104	0.1845931	0.4751463	-0.760316
5170000000	1.884955592	2.199114858	-4.686534031	-4.861973403	-15.89601567	-7.095114227	0.5830064	0.5713488	0.1603981	0.4418189	-1.12728
5170000000	1.884955592	2.251474735	-5.303635684	-5.606767434	-14.95659205	-7.858046463	0.543023	0.5243987	0.1787189	0.4046669	-1.666671
5170000000	1.884955592	2.303834613	-6.490323036	-6.584458667	-13.16109203	-8.041456321	0.4736787	0.4685728	0.2197583	0.3962116	-1.268017
5170000000	1.884955592	2.35619449	-6.69683058	-7.969167625	-11.65076016	-7.883125695	0.4625498	0.3995228	0.2614942	0.4035002	-2.343438
5170000000	1.884955592	2.408554368	-5.97769019	-9.995212005	-11.19960191	-8.141419371	0.5024762	0.3164021	0.2754355	0.3916779	-2.580272
5170000000	1.884955592	2.460914245	-6.189260612	-12.74064157	-12.30340407	-8.894696007	0.4903848	0.2306577	0.242576	0.3591412	-3.590981
5170000000	1.884955592	2.513274123	-8.317613907	-14.85720846	-15.26701098	-9.526554532	0.3838127	0.1807755	0.1724445	0.3339429	-5.425008
5170000000	1.884955592	2.565634	-11.78809189	-13.21381595	-19.14086193	-9.481838079	0.2573922	0.1248424	0.1103969	0.3356666	-6.727073
5170000000	1.884955592	2.617939878	-11.4471922								

5170000000	1.93731547	-0.994837674	-0.644195236	2.800556248	-1.282698067	-4.46492544	0.9285178	1.3804727	0.8627105	0.5980724	5.5057049
5170000000	1.93731547	-0.942477796	-0.943166737	3.253675251	-1.469650285	-4.44293789	0.8971017	1.4543997	0.8443402	0.5995882	5.5646193
5170000000	1.93731547	-0.890119719	-0.437142342	3.569970604	-1.647765182	-3.584293777	0.9509176	1.5083375	0.8272023	0.6618892	5.9077056
5170000000	1.93731547	-0.837758041	-0.052508229	3.753005774	-1.702548589	-2.218230664	0.993973	1.5404595	0.8220014	0.7746196	6.3006165
5170000000	1.93731547	-0.785398163	-0.153705304	3.849439225	-1.515819307	-0.915483458	0.9824597	1.5576575	0.8398641	0.8999654	6.6081673
5170000000	1.93731547	-0.733038286	-0.267396246	3.898485519	-0.985222929	0.037242757	0.9696839	1.5664779	0.8927685	1.0042969	6.9138
5170000000	1.93731547	-0.680678408	0.053842701	3.883551299	-0.186668964	0.658851979	1.0062181	1.5637869	0.9787362	1.0788041	7.2864137
5170000000	1.93731547	-0.628318531	0.431986613	3.746746479	0.16145822	1.091291753	1.0509918	1.5393498	1.0729338	1.1338735	7.599064
5170000000	1.93731547	-0.575958653	0.503695231	3.462530079	1.159176371	1.447648852	1.0597045	1.489795	1.14277	1.1813605	7.736451
5170000000	1.93731547	-0.523598776	0.714488331	3.105194725	1.369370466	1.720872816	1.0857364	1.4297488	1.1707617	1.2191121	7.7928162
5170000000	1.93731547	-0.471238898	1.599790659	2.837770394	1.336874117	1.845887726	1.2022355	1.3863999	1.1663898	1.2367855	7.9445621
5170000000	1.93731547	-0.41887902	2.600320601	2.775929762	1.290777657	1.842961618	1.3490127	1.3765643	1.1602161	1.2363689	8.1684662
5170000000	1.93731547	-0.366519143	2.921648203	2.852633457	1.455903314	1.790050123	1.3998529	1.3887743	1.1824837	1.2288603	8.2994189
5170000000	1.93731547	-0.314159265	2.349141394	2.891986863	1.878201637	1.689782914	1.3105605	1.3950807	1.2413953	1.2147563	8.2354113
5170000000	1.93731547	-0.261799388	1.269458777	2.785028175	2.396215583	1.533281943	1.1573719	1.378007	1.3176825	1.193065	8.0385625
5170000000	1.93731547	-0.20943951	0.551714037	2.561174089	2.762556346	1.424904669	1.0655791	1.3429465	1.3744464	1.1782711	7.8912103
5170000000	1.93731547	-0.157079633	0.517368838	2.345690276	2.781281081	1.48334054	1.061374	1.3100399	1.3774126	1.1862249	7.8452336
5170000000	1.93731547	-0.104719755	0.50286096	2.260386547	2.436371292	1.723569597	1.0596027	1.297327	1.3237884	1.2194904	7.7835317
5170000000	1.93731547	-0.052359878	0.085956008	2.38108187	2.033108187	2.105767102	1.0099452	1.3088968	1.2623112	1.2743781	7.7041352
5170000000	1.93731547	-4.44E-16	-0.493607558	2.518694947	2.03814677	2.560234023	0.9447559	1.3363947	1.2644665	1.3428011	7.7627673
5170000000	1.93731547	0.052359878	-0.733124567	2.707851266	2.546815427	2.993972096	0.9190598	1.3658172	1.3407283	1.4115576	8.0231199
5170000000	1.93731547	0.104719755	-0.540512735	2.830839713	3.054706192	3.35988805	0.9396768	1.3852941	1.4214622	1.4722935	8.306761
5170000000	1.93731547	0.157079633	-0.214582762	2.857325838	3.14935928	3.668222122	0.9755979	1.3895248	1.4370332	1.5252503	8.5097162
5170000000	1.93731547	0.20943951	0.090708812	2.811448368	2.740800672	3.909798749	1.010489	1.3822049	1.3710081	1.5685196	8.5175784
5170000000	1.93731547	0.261799388	0.389133933	2.71359812	2.97096882	4.003460899	1.0458194	1.3705618	1.2554657	1.5904611	8.4113722
5170000000	1.93731547	0.314159265	0.616561859	2.826109206	3.155726974	3.970383364	1.0735644	1.3845399	1.1423162	1.5794983	8.2658591
5170000000	1.93731547	0.366519143	0.622468759	3.005852008	0.629102797	3.66314005	1.0742947	1.4134895	1.0751155	1.5932732	8.1345036
5170000000	1.93731547	0.41887902	0.40243581	2.327168715	0.581635386	3.455325575	1.0474222	1.4499681	1.0692562	1.4885598	8.0541777
5170000000	1.93731547	0.471238898	0.225087173	3.350223242	0.834825544	3.194431294	1.0262528	1.4706562	1.1013397	1.4862249	7.8452336
5170000000	1.93731547	0.523598776	0.328884337	3.261130853	0.987049632	2.969859389	1.0385902	1.4556486	1.1203468	1.4076444	7.9973321
5170000000	1.93731547	0.575958653	0.54345954	2.91266384	0.675980614	2.713522527	1.0645669	1.3984057	1.0809336	1.3677092	7.8021187
5170000000	1.93731547	0.628318531	0.58373453	2.326254599	-0.210653676	2.403094769	1.0695146	1.3071118	0.9760393	1.3187265	7.3683268
5170000000	1.93731547	0.680678408	0.421365763	1.578427386	-1.393584038	2.12863989	1.0497075	1.1992821	0.851767	1.2777091	6.8058392
5170000000	1.93731547	0.733038286	0.184885306	0.775379061	-0.296401827	2.001163792	1.0215139	1.0933745	0.785561	1.2590941	6.3603135
5170000000	1.93731547	0.785398163	-0.087549147	0.013637578	-1.862473753	2.025439095	0.9899712	1.0015713	0.8070052	1.2626179	6.152414
5170000000	1.93731547	0.837758041	-0.417315985	-0.654460282	-1.283590933	2.119886256	0.9530906	0.9274211	0.8625902	1.2764221	6.0628928
5170000000	1.93731547	0.890117919	-0.639176058	-1.216190624	-0.934224271	2.202723698	0.9290545	0.8693416	0.8980257	1.2886536	5.9881331
5170000000	1.93731547	0.942477796	-0.497677993	-1.658596853	-0.8618022	2.207040581	0.9443133	0.8261714	0.9055447	1.2892942	5.9449727
5170000000	1.93731547	0.994837674	-0.13772624	-1.949944837	-0.901010744	2.05719866	0.9842687	0.798919	0.9014662	1.2672431	5.9155126
5170000000	1.93731547	1.047197551	0.006008664	-2.071292634	-0.100107084	1.688136233	1.000692	0.7878352	0.8911435	1.214526	5.7877577
5170000000	1.93731547	1.099557429	-0.252200129	-2.046151696	-1.290042168	1.116320208	0.9713819	0.7901188	0.8619814	1.1731454	5.4846065
5170000000	1.93731547	1.151917306	-0.719753651	-1.923977641	-1.874364151	1.252458562	0.9204757	0.801311	0.8059012	1.0559113	5.0657886
5170000000	1.93731547	1.204277184	-1.034467702	-1.751088284	-2.627392959	-0.9081719	0.8877212	0.8174206	0.738976	0.9895988	4.6946892
5170000000	1.93731547	1.256637061	-1.029434687	-1.556065548	-1.7371871479	-0.548304063	0.8882358	0.7938916	0.694075	0.9388253	4.4987316
5170000000	1.93731547	1.308996939	-0.921717642	-1.341923719	-3.270394513	-1.042227192	0.8993197	0.8568481	0.6862467	0.8869286	4.262571
5170000000	1.93731547	1.361356817	-1.083348304	-1.097910277	-1.383650155	-1.783701966	0.8827395	0.8812609	0.6931345	0.8143571	4.2743174
5170000000	1.93731547	1.413716694	-1.723110713	-0.836954126	-3.307976461	-2.840054828	0.8200578	0.9081389	0.6832839	0.7211029	3.8974533
5170000000	1.93731547	1.466076572	-2.759805296	-0.617954941	-3.78568301	-3.889896431	0.7277961	0.9313271	0.6467193	0.6390064	3.3606605
5170000000	1.93731547	1.518436449	-3.821820814	-0.525218587	-4.487280928	-4.408768405	0.6440342	0.9413239	0.596535	0.6019516	2.8723003
5170000000	1.93731547	1.570796327	-4.373464522	-0.628198503	-5.165431255	-4.474234918	0.6044032	0.9302294	0.5517323	0.5974317	2.5543923
5170000000	1.93731547	1.623156204	-4.268319712	-0.940503317	-5.733424126	-4.613441751	0.6117641	0.8973768	0.5168075	0.5879331	3.255118
5170000000	1.93731547	1.675156082	-4.104864873	-1.381374424	-6.39996534	-4.951480206	0.6233856	0.8529651	0.4786303	0.5654914	2.009039
5170000000	1.93731547	1.72787596	-4.50439542	-1.783513481	-7.389160172	-5.086078536	0.5953608	0.8143748	0.4271122	0.556796	1.5650904
5170000000	1.93731547	1.780235837	-5.480450081	-2.017236697	-8.477505756	-4.765635307	0.5320807	0.7927535	0.376812	0.5777211	1.1356863
5170000000	1.93731547	1.832595715	-6.177985597	-2.133451762	-8.850243149	-4.494395966	0.4910217	0.7822173	0.3609839	0.5960466	0.9465471
5170000000	1.93731547	1.884955592	-5.724849162	-2.303229998	-8.295871048	-4.922262531	0.5173179	0.7670762	0.3847746	0.5673968	0.9710328
5170000000	1.93731547	1.93731547	-4.890948449	-2.638165748	-7.742228934	-6.28839611	0.569446	0.7380601	0.4109496	0.4848196	0.8407755
5170000000	1.93731547	1.989675347	-4.662218761	-3.108495659	-7.792537693	-8.215964352	0.5846407	0.6991578	0.4077304	0.3883308	0.3400809
5170000000	1.93731547	2.042035225	-5.02267795	-3.590477752	-8.584220424	-9.483193795	0.560875	0.6641482	0.3722108	0.3356142	-0.308922
5170000000	1.93731547	2.094395102	-5.123225617	-4.000744335	-9.810300073	-9.55716642	0.5544198	0.6309033	0.3232102	0.3327681	-0.718103
5170000000	1.93731547	2.14675498	-6.429460285	-4.391873909	-11.02517823	-9.617806059	0.5868498	0.6031236	0.2810225	0.330453	-0.9086161
5170000000	1.93731547	2.199114858	-4.465370423	-4.878476528	-12.10818735	-10.06370061	0.5880417	0.6022643	0.2480794	0.3139171	-1.258159
5170000000	1.93731547	2.251474735	-5.266783601	-5.515135604	-13.11385065	-9.80450877	0.5453318	0.5299602	0.2209568	0.3234257	-1.832045
5170000000	1.93731547	2.303834613	-6.449840703	-6.318885164	-13.27021581	-8.623876734	0.4758915	0.4831208	0.2170147	0.3705153	-2.23363
5170000000	1.93731547	2.35619449	-6.349249355	-7.400565178	-12.25513056	-7.892743028	0.4814349	0.4265518	0.2439178	0.4030536	-2.186226
5170000000	1.93731547	2.408554368	-5.487198741	-8.993258117	-11.600952	-8.266899208	0.5316674	0.3550889	0.262998	0.3860602	-2.293825
5170000000	1.93731547	2.460914245	-5.756972362	-11.22759548	-12.50948658	-9.606812437	0.5154083	0.2745492	0.2368785	0.3308715	-3.364475
5170000000	1.93731547	2.513274123	-8.049828721	-13.22170483	-15.54052022	-11.28002182	0				

5170000000	1.989675347	-1.099557429	1.333737182	1.343306409	-0.653416737	-3.443592776	1.1659686	1.1672539	0.9275326	0.6726983	5.8748802
5170000000	1.989675347	-1.047197551	0.748081033	1.699709759	-0.606539864	-4.05042253	1.0899437	1.2161454	0.9325519	0.6273052	5.724516
5170000000	1.989675347	-0.994837674	-0.08275403	2.151734092	-0.828051795	-4.368100731	0.9905178	1.2811108	0.9090702	0.6047766	5.5418087
5170000000	1.989675347	-0.942477796	-0.335968045	2.613056654	-1.183460027	-0.464297683	0.9620588	1.3509922	0.8726237	0.6263039	5.6204099
5170000000	1.989675347	-0.890119719	0.008973784	2.991561354	-1.474799684	-0.131359591	1.0010337	1.4111659	0.8438398	0.6937198	5.9187256
5170000000	1.989675347	-0.837758041	0.152347464	3.25747839	-1.514897873	-1.94729434	1.0176944	1.4655036	0.8399532	0.7991628	6.2601391
5170000000	1.989675347	-0.785398163	-0.183227113	3.443842532	-1.193714336	-0.900477599	0.9791261	1.4859301	0.8715941	0.9015216	6.5243302
5170000000	1.989675347	-0.733038286	-0.452642011	3.585629646	-0.539170991	-0.114264823	0.9492222	1.5110592	0.939813	0.9869309	6.822803
5170000000	1.989675347	-0.680678408	-0.119397889	3.656637999	-0.569279237	0.502729237	0.9863479	1.523463	1.0299939	1.0595866	7.2334072
5170000000	1.989675347	-0.628318531	0.396737772	3.58076778	0.94116138	1.076039543	1.0467353	1.5102136	1.1144435	1.1318841	7.6101521
5170000000	1.989675347	-0.575958653	0.651943249	3.312460662	1.343848616	1.611445579	1.0779464	1.4642763	1.1673267	1.2038497	7.807041
5170000000	1.989675347	-0.523598776	0.973594703	2.915078206	1.441871975	1.973001614	1.1186127	1.3987945	1.180575	1.2550184	7.8767676
5170000000	1.989675347	-0.471238898	1.779962869	2.568961055	1.364634107	2.040009997	1.227434	1.344151	1.1701235	1.2647378	7.9699913
5170000000	1.989675347	-0.41887902	2.632214563	2.44179883	1.339459714	1.870583306	1.3539753	1.3246158	1.166737	1.2403069	8.1063039
5170000000	1.989675347	-0.366519143	2.861274537	2.508826685	1.54861498	1.653625429	1.3901566	1.3348773	1.1946566	1.20971	8.1807322
5170000000	1.989675347	-0.314159265	2.270868045	2.590969083	1.974164328	1.499698542	1.2988034	1.3475611	1.2551864	1.188461	8.1137758
5170000000	1.989675347	-0.261799388	1.232877864	2.555964498	2.457932254	1.412500816	1.1525079	1.3421413	1.3270785	1.1765897	7.9558765
5170000000	1.989675347	-0.20943951	0.560606685	2.414196631	2.774954006	1.419446859	1.0666706	1.3294431	1.3764096	1.177531	7.85574
5170000000	1.989675347	-0.157079633	0.525013062	2.74863218	2.567096513	1.547570115	1.0623085	1.2040009	1.3734246	1.1950292	7.8366259
5170000000	1.989675347	-0.104719755	0.49675823	2.243152003	2.401325106	1.785412857	1.0588585	1.2946656	1.3184579	1.2282004	7.7836159
5170000000	1.989675347	-0.052359878	0.080839733	2.342477031	2.00592702	1.311989842	1.0093505	1.0369553	1.2597812	1.272802	7.7065637
5170000000	1.989675347	-4.44E-16	-0.493607549	2.158695204	2.038146709	2.560233994	0.9447559	1.3363947	1.2644665	1.3428011	7.7627673
5170000000	1.989675347	0.052359878	-0.74198921	2.693340356	2.544860357	2.985898687	0.9181223	1.3635373	1.3404265	1.4102462	8.0147863
5170000000	1.989675347	0.104719755	-0.561257757	2.803134048	3.056946301	3.343767451	0.9374263	1.3088824	1.4218288	1.4695636	8.3156562
5170000000	1.989675347	0.157079633	-0.228720292	2.817584252	3.188576294	3.627720649	0.9740113	1.3831816	1.44354	1.5183994	8.496216
5170000000	1.989675347	0.20943951	0.10169003	2.756249551	2.852644191	3.837992361	1.0117763	1.3734773	1.388776	1.555606	8.5133505
5170000000	1.989675347	0.261799388	0.43239144	2.702241676	2.559522911	3.935421504	1.0510408	1.3349354	1.2837737	1.5731534	8.4203361
5170000000	1.989675347	0.314159265	0.695508968	2.762562964	1.382518993	3.87315275	1.0833666	1.3744475	1.1725354	1.5619159	8.2865376
5170000000	1.989675347	0.366519143	0.741903639	2.967511756	2.457925733	3.656628884	1.0891688	1.407264	1.0958378	1.5234614	8.1575558
5170000000	1.989675347	0.41887902	0.55315987	3.212470741	0.630064492	3.352993602	1.0657565	1.4475165	1.0752346	1.4711254	8.0617804
5170000000	1.989675347	0.471238898	0.37185645	3.331307165	0.308490822	3.038490822	1.0437412	1.4674569	1.0971958	1.418881	8.0059318
5170000000	1.989675347	0.523598776	0.456205475	3.201422018	0.951874333	2.740808308	1.0539264	1.4456764	1.1158189	1.3710093	7.9351965
5170000000	1.989675347	0.575958653	0.703710708	2.787737365	1.071695426	2.451187578	1.0843901	1.3784368	1.0853874	1.3260484	7.7375787
5170000000	1.989675347	0.628318531	0.849052261	2.141189054	-0.04757718	2.196644972	1.1026879	1.2795565	0.9945374	1.2755551	7.3555561
5170000000	1.989675347	0.680678408	0.81191595	1.377475404	-1.116762257	2.049881301	1.0979835	1.1718547	0.9793502	1.266176	6.8787311
5170000000	1.989675347	0.733038286	0.636909617	0.631316304	-1.90239617	2.028392764	1.0760823	1.1753896	0.803319	1.2630474	6.4811983
5170000000	1.989675347	0.785398163	0.311499008	-0.008314168	-1.973505677	2.046953632	1.0365135	0.9990433	0.7967549	1.2657493	6.2309861
5170000000	1.989675347	0.837558041	-0.175369268	-0.530829175	-1.67403705	2.008022665	0.9800123	0.940716	0.8247041	1.2600887	6.0325807
5170000000	1.989675347	0.890117919	-0.596261328	-0.968232761	-1.4706119	1.872164825	0.9336561	0.8945165	0.8442468	1.2405328	5.8294908
5170000000	1.989675347	0.942477796	-0.579497858	-1.339501544	-1.420949457	1.629592393	0.9354598	0.857087	0.8490877	1.2063675	5.6841057
5170000000	1.989675347	0.994837674	-0.210529881	-1.639110628	-1.373787849	1.254740808	0.9760532	0.8280269	0.8537105	1.1554122	5.6051988
5170000000	1.989675347	1.047197551	0.03199972	-1.860038679	-1.301803563	0.730268887	1.0036909	0.8072314	0.860815	1.0877108	5.481882
5170000000	1.989675347	1.099557429	-0.072472526	-1.999450371	-1.350253566	0.611622386	0.991691	0.7943785	0.8560267	1.0134707	5.2384948
5170000000	1.989675347	1.151917306	-0.346807947	-2.04644193	-1.612403694	-0.45840932	0.9608589	0.7900924	0.8305768	0.9485922	4.9351902
5170000000	1.989675347	1.204277184	-0.470049748	-1.992612606	-1.966220943	-0.923682589	0.9473218	0.7950041	0.7974234	0.8991163	4.7077039
5170000000	1.989675347	1.256637061	-0.337832419	-1.850124399	-2.154550387	-1.35791375	0.9618523	0.8081534	0.7803195	0.8552721	4.6232659
5170000000	1.989675347	1.308996939	-0.194301919	-1.636258182	-2.095191788	-1.931663322	0.9778785	0.8282989	0.7856704	0.8006023	4.5896966
5170000000	1.989675347	1.361356817	-0.387316419	-1.355257205	-2.005199557	-2.763328342	0.9563881	0.8555237	0.7938529	0.727501	4.4368249
5170000000	1.989675347	1.413716694	-1.084927542	-1.020559891	-2.135498351	-3.710994089	0.8825791	0.8891438	0.782114	0.6523044	4.0990532
5170000000	1.989675347	1.466076572	-2.154807004	-0.687314237	-2.254517212	-4.339673868	0.7802965	0.9239198	0.7454893	0.6067591	3.6837877
5170000000	1.989675347	1.518436449	-3.153106638	-0.450000895	-3.13686858	-4.496288286	0.6955761	0.9495109	0.6968762	0.5959167	3.3400812
5170000000	1.989675347	1.570796327	-3.565012965	-0.408595948	-3.771161096	-4.572359409	0.6633601	0.9540479	0.6522918	0.5907205	3.1079974
5170000000	1.989675347	1.623156204	-3.440200294	-0.622610705	-4.230902077	-4.770452156	0.6729611	0.9308281	0.6144052	0.5774008	2.9088859
5170000000	1.989675347	1.675516082	-3.432359756	-0.62604213	-4.861384974	-4.753870857	0.6735689	0.8848053	0.5713875	0.5758054	2.6333701
5170000000	1.989675347	1.72787596	-4.029960647	-1.58741503	-5.77433539	-4.223575032	0.6287847	0.8329698	0.5143779	0.6149237	2.2489366
5170000000	1.989675347	1.780235837	-5.050387326	-2.01590864	-6.843693282	-3.616889836	0.5590886	0.792847	0.4547946	0.65941	1.819853
5170000000	1.989675347	1.832595715	-5.479470704	-2.29244457	-7.519588349	-3.659042527	0.5321407	0.7680292	0.4207466	0.6562176	1.5004735
5170000000	1.989675347	1.884955592	-4.803222415	-2.538754154	-7.446992183	-4.843097576	0.5752265	0.7465558	0.4242779	0.5725918	1.2841115
5170000000	1.989675347	1.93731547	-4.052660132	-2.901577814	-7.084058029	-7.456961244	0.6271436	0.7160133	0.4423816	0.4237912	0.864611
5170000000	1.989675347	1.989675347	-4.013215954	-3.402615983	-6.958295635	-11.26565169	0.629998	0.6758794	0.4488335	0.273349	0.1210154
5170000000	1.989675347	2.043052525	-4.514136883	-3.918113966	-7.134067294	-13.2911476	0.5946935	0.6369338	0.4398419	0.2164924	-0.500737
5170000000	1.989675347	2.094395102	-4.676025213	-4.304641131	-7.40078444	-12.35523417	0.5837122	0.6092113	0.4265408	0.2141228	-0.6276
5170000000	1.989675347	2.14675498	-4.285934789	-4.58388314	-7.700009279	-12.30068023	0.6105247	0.5899733	0.4120971	0.242637	-0.652804
5170000000	1.989675347	2.199114858	-4.29994141	-4.925535691	-8.335061323	-13.1229386	0.609541	0.567183	0.3830424	0.2207258	-1.009798
5170000000	1.989675347	2.251474735	-5.233915131	-5.450612203	-9.619906721	-11.83569626	0.5473993	0.5339116	0.3303731	0.2598954	-1.5784
5170000000	1.989675347	2.303834613	-6.247480829	-6.170647488	-11.22374504	-9.374838615	0.4871088	0.4914367	0.274671	0.3398271	-1.970646
5170000000	1.989675347	2.35619449	-5.805801222	-7.131720942	-11.93511834	-8.110770591	0.512519	0.4399608	0.253072	0.3930624	-1.945727
5170000000	1.989675347	2.408554368	-4.953875407	-8							

5170000000	2.042035225	-1.204277184	0.659511173	1.290595128	-0.727422744	-2.65256001	1.078886	1.1601917	0.9196633	0.736838	5.7908404
5170000000	2.042035225	-1.151917306	1.44696086	1.463959448	-0.319989178	-3.18843633	1.1812669	1.183581	0.9638302	0.6927528	6.0670124
5170000000	2.042035225	-1.09557429	1.493791901	1.530440538	-0.139087795	-3.708644937	1.1876531	1.1926748	0.9841145	0.6524808	6.0572704
5170000000	2.042035225	-1.047197551	0.864532705	1.628921229	-0.248813854	-4.141412603	1.1046549	1.2062743	0.9717606	0.6207681	5.8803901
5170000000	2.042035225	-0.994837674	0.097768202	1.849652447	-0.615452461	-4.165801918	1.0113196	1.2373217	0.9315955	0.6190274	5.5733899
5170000000	2.042035225	-0.942477796	-0.035162589	2.167286166	-1.080055896	-3.61020919	0.9955999	1.2834067	0.8830742	0.6599173	5.6260278
5170000000	2.042035225	-0.890117919	0.321273915	2.409335558	-1.381847178	-2.703691164	1.0376806	1.3321302	0.8529187	0.7325132	5.9228628
5170000000	2.042035225	-0.837758041	0.379998665	2.76646556	-1.291580212	-1.794191802	1.0447201	1.3710652	0.8618288	0.8133742	6.2245335
5170000000	2.042035225	-0.785398163	-0.057349239	3.009865918	-0.775669311	-1.061422378	0.9934192	1.4541429	0.9143693	0.8849707	6.4586482
5170000000	2.042035225	-0.733038286	-0.385861242	3.244040835	-0.018244072	-0.454786335	0.9565484	1.4527873	0.9979018	0.9489879	6.7616069
5170000000	2.042035225	-0.680678408	-0.030974501	3.421179732	0.733006469	0.191095877	0.9964403	1.4827195	1.0880537	1.0222445	7.214628
5170000000	2.042035225	-0.628318531	0.56796467	3.435257029	1.276624255	0.950319908	1.0675746	1.4851245	1.1583271	1.1156192	7.6523079
5170000000	2.042035225	-0.575958653	0.927220886	3.212837901	1.524497381	1.686080283	1.1126563	1.4475777	1.191859	1.2142385	7.9001143
5170000000	2.042035225	-0.523598776	1.277997488	2.798144373	1.515417703	2.146753762	1.1585102	1.3800894	1.1906137	1.2803765	7.9754435
5170000000	2.042035225	-0.471238898	1.962470867	2.376203428	1.408840065	2.181078682	1.2534977	1.3146501	1.1760939	1.2854463	8.010221
5170000000	2.042035225	-0.41887902	2.653022934	2.162155701	1.416732904	1.877650986	1.3572228	1.2826489	1.1771631	1.2413166	8.0595799
5170000000	2.042035225	-0.366519143	2.785479616	2.189642445	1.659572498	1.513926084	1.3780786	1.2867143	1.2105385	1.1904093	8.0722592
5170000000	2.042035225	-0.314159265	2.179400028	2.293453652	2.083983001	1.312292284	1.2851979	1.302185	1.2711569	1.1630935	7.9962998
5170000000	2.042035225	-0.261799388	1.189991314	2.321508623	2.523280231	1.301502196	1.1468314	1.3068789	1.3371004	1.1616495	7.874976
5170000000	2.042035225	-0.20943951	0.567722427	2.26162156	2.785219392	1.426695146	1.0675448	1.2974215	1.3780373	1.178514	7.821381
5170000000	2.042035225	-0.157079633	0.530559655	2.201820176	2.726648011	1.62163159	1.0629871	1.2885195	1.3687761	1.2052623	7.8284859
5170000000	2.042035225	-0.104719755	0.487569784	2.262307838	2.363014397	1.853305799	1.0577389	1.2921573	1.3126554	1.2378422	7.7840198
5170000000	2.042035225	-0.052359878	0.073760577	2.347548567	1.987789982	2.160376746	1.0085282	1.3013022	1.2571569	1.2823862	7.7092502
5170000000	2.042035225	-4.44E-16	-0.493607512	2.518695083	2.038146777	2.560234425	0.9447559	1.3363947	1.2644665	1.3428012	7.7627675
5170000000	2.042035225	0.052359878	-0.750902878	2.67896623	2.541037418	2.977271061	0.9171806	1.3612827	1.3398367	1.4088461	8.0058301
5170000000	2.042035225	0.104719755	-0.584185703	2.776970893	3.055150061	3.32537895	0.934955	1.3767293	1.4215348	1.4664557	8.2989327
5170000000	2.042035225	0.157079633	-0.248015227	2.78117476	3.22193093	3.580631945	0.97185	1.3773957	1.4491377	1.51019	8.4789567
5170000000	2.042035225	0.20943951	0.102558439	2.706816675	2.956474359	3.749856112	1.0118775	1.3656545	1.4054769	1.539901	8.502383
5170000000	2.042035225	0.261799388	0.458373514	2.643219972	2.52323056	3.818780202	1.0541895	1.356919	1.3110267	1.552169	8.4206824
5170000000	2.042035225	0.314159265	0.751729654	2.712608584	1.602615507	3.75729346	1.0940416	1.3665654	1.2026265	1.5412201	8.300826
5170000000	2.042035225	0.366519143	0.840115003	2.941885266	3.560211847	3.756021187	1.1015539	1.4031182	1.1176311	1.5066438	8.1799644
5170000000	2.042035225	0.41887902	0.691360332	3.198984735	0.681133068	3.262878176	1.0828493	1.4452708	1.081575	1.4559414	8.0720807
5170000000	2.042035225	0.471238898	0.509168857	3.294543985	0.745799204	2.919607437	1.0603725	1.461259	1.0895674	1.3995241	7.9775638
5170000000	2.042035225	0.523598776	0.552689498	3.105774405	0.850654607	2.579382289	1.0656988	1.4298442	1.1028913	1.3457646	7.8613189
5170000000	2.042035225	0.575958653	0.797611633	2.619426723	0.604995564	2.291196488	1.0961767	1.3519833	1.0776551	1.3018466	7.6541368
5170000000	2.042035225	0.628318531	1.026859068	1.924572763	0.001459644	2.117019054	1.1254934	1.2480404	1.0001681	1.2760008	7.3279037
5170000000	2.042035225	0.680678408	1.120668227	1.175599658	-0.927422622	2.08490169	1.1377148	1.1449328	0.8987292	1.2712913	6.9518066
5170000000	2.042035225	0.733038286	1.038977684	0.513112508	-1.67248008	2.181123042	1.1270648	1.060804	0.8248519	1.276163	6.6263869
5170000000	2.042035225	0.785398163	0.705463474	-0.017454018	-1.888597844	2.074403158	1.0846089	0.9979295	0.8045816	1.2697557	6.3548726
5170000000	2.042035225	0.837758041	0.088246964	-0.460254767	-1.796019424	1.857983259	1.0102116	0.9483906	0.8132031	1.238509	6.0429684
5170000000	2.042035225	0.890117919	-0.570001097	-0.869707142	-1.753489503	1.466012724	0.9368331	0.9047209	0.817195	1.1838609	5.6171347
5170000000	2.042035225	0.942477796	-0.792490056	-1.261154016	-1.803366023	0.955850008	0.9127997	0.864853	0.8125156	1.1163298	5.3586757
5170000000	2.042035225	0.994837674	-0.533618778	-1.625107215	-1.787789754	0.404868038	0.9404139	0.829363	0.813974	1.0746936	5.1809883
5170000000	2.042035225	1.047197551	-0.273495845	-1.951160401	-1.66392768	-0.092426159	0.9690032	0.7988072	0.8256645	0.9894155	5.0640705
5170000000	2.042035225	1.099557429	-0.275038458	-2.215194797	-1.567579095	-0.448618389	0.9688311	0.7748904	0.8348742	0.949662	4.9306061
5170000000	2.042035225	1.151917306	-0.385097551	-2.366291188	-1.58827576	-0.686399869	0.9566325	0.7615272	0.8328872	0.9240171	4.7986564
5170000000	2.042035225	1.204277184	-0.330236076	-2.36794555	-1.632966851	-0.95959465	0.9626938	0.7613822	0.8286128	0.8954066	4.7309857
5170000000	2.042035225	1.256637061	-0.077225511	-2.24146027	-1.546112665	-1.435995753	0.9911485	0.7725507	0.8369401	0.8476181	4.7313935
5170000000	2.042035225	1.308996939	0.098236383	-0.032519027	-1.339778048	-2.193518026	1.0137141	0.7913599	0.8570597	0.7768266	4.7020313
5170000000	2.042035225	1.356136817	-0.125126667	-1.757456685	-1.205434378	-3.117567641	0.9856975	0.8168215	0.8704188	0.698428	4.535517
5170000000	2.042035225	1.413716694	-0.861363146	-1.414594725	-1.314876936	-3.82085941	0.9055905	0.8497091	0.8595203	0.6441055	4.2408885
5170000000	2.042035225	1.466076572	-1.902186761	-1.037327856	-1.697906937	-4.018946301	0.8033239	0.887429	0.8224408	0.6595826	3.9256692
5170000000	2.042035225	1.518436449	-2.733903587	-0.719021628	-2.254097772	-4.002016391	0.7299697	0.9205533	0.7715774	0.6308109	3.6736837
5170000000	2.042035225	1.570796327	-2.939197895	-0.584446016	-2.824045816	-4.102638624	0.7129189	0.934927	0.7120698	0.6235454	3.4999701
5170000000	2.042035225	1.623156204	-2.77829322	-0.730803789	-3.433729351	-4.13700771	0.7262487	0.9193054	0.6734627	0.621803	3.3466412
5170000000	2.042035225	1.675516082	-2.890190208	-1.166734107	-3.647195361	-3.716724684	0.7169527	0.8743057	0.6190633	0.6518742	3.1133868
5170000000	2.042035225	1.72787596	-3.58740937	-1.770889366	-5.187446278	-3.010051986	0.6616519	0.8155593	0.5503357	0.707127	2.7175107
5170000000	2.042035225	1.780235837	-4.469209038	-2.325257888	-6.437198754	-2.662403001	0.5977775	0.7651333	0.4765847	0.7360034	2.1966274
5170000000	2.042035225	1.832595715	-4.548660406	-2.683253171	-7.477660369	-3.22132508	0.5923344	0.7342388	0.4227852	0.6901345	1.7253916
5170000000	2.042035225	1.884955592	-3.805393118	-2.918373397	-7.840981244	-5.1027319221	0.6452535	0.7163010	0.4054627	0.5605754	1.311302
5170000000	2.042035225	1.93731547	-3.275612604	-3.220929382	-7.699784029	-8.112164396	0.6858346	0.690166	0.4121078	0.3929993	0.7529419
5170000000	2.042035225	1.989675347	-3.486159366	-3.6902608	-7.489578764	-10.74398077	0.6694097	0.6538633	0.4224246	0.2902692	0.1548142
5170000000	2.042035225	2.042035225	-4.130292497	-4.238343397	-7.272311829	-10.06465727	0.6215633	0.6138791	0.4328968	0.3138825	-0.077555
5170000000	2.042035225	2.094395102	-4.334036668	-4.661666391	-7.677614906	-9.078412597	0.607153	0.5846779	0.4478332	0.3516247	-0.037915
5170000000	2.042035225	2.14675498	-4.048423516	-4.888672636	-6.791409663	-9.806879312	0.6274496	0.5695953	0.4575405	0.3233375	-0.096413
5170000000	2.042035225	2.199114858	-4.229513388	-5.097860601	-7.152156211	-12.09207773	0.6145035	0.5560412	0.4389269	0.2485399	-0.639632
5170000000	2.042035225	2.251474735	-5.205443385	-5.495013827	-8.407634659	-12.67590062	0.5491966	0.5311893	0.3798554	0.2323833	-1.449387
5170000000	2.042035225	2.30383461									

5170000000	2.094395102	-1.308996939	-1.482422325	0.539343484	-1.076598711	-1.729126207	0.8430996	1.0640626	0.8834258	0.8194901	5.1297318
5170000000	2.094395102	-1.256637061	-0.182788089	1.203858474	-0.734271784	-2.410758274	0.9791756	1.1486638	0.9189384	0.7576386	5.585161
5170000000	2.094395102	-1.204277184	0.930211611	1.681929168	-0.376411287	-2.980276822	1.1130401	1.2136584	0.9575896	0.7095552	6.0072204
5170000000	2.094395102	-1.151917306	1.534440104	1.920580573	-0.105707281	-3.529153237	1.1932241	1.2474609	0.9879038	0.6661045	6.2238401
5170000000	2.094395102	-1.099557429	1.420550418	1.963902477	-0.041467449	-4.077036749	1.1776806	1.2537043	0.9952373	0.652386	6.1328064
5170000000	2.094395102	-1.047197551	0.714161749	1.930379351	-0.249460495	-4.397170398	1.0856956	1.248875	0.9716883	0.6027559	5.8207464
5170000000	2.094395102	-0.994837674	0.066603907	1.943505194	-0.683459854	-4.16996976	1.0076975	1.2507637	0.9243299	0.6187305	5.5785493
5170000000	2.094395102	-0.942477796	0.186757922	2.094898019	-1.138857472	-3.448223792	1.0217341	1.2661784	0.8771162	0.6723398	5.6600702
5170000000	2.094395102	-0.890117919	0.679131328	2.1213772352	-1.2973839075	-2.618839075	1.0813258	1.2902938	0.8612675	0.7397041	5.9608778
5170000000	2.094395102	-0.837758041	0.753268814	2.40095194	-0.960658899	-1.966227295	1.0905948	1.3184012	0.8952968	0.7974228	6.2387112
5170000000	2.094395102	-0.785398163	0.303922412	2.632550993	-0.245239925	-1.503126711	1.0356097	1.3540277	0.9721606	0.8410923	6.4503612
5170000000	2.094395102	-0.733038286	-0.040010342	2.925424486	0.560328373	-1.018606996	0.9954042	1.4004617	1.0666364	0.8934337	6.7528706
5170000000	2.094395102	-0.680678408	0.286743372	3.20336191	1.214264631	-0.279040399	1.0335635	1.4459993	1.1500408	0.9683848	7.2307576
5170000000	2.094395102	-0.628318531	0.88004916	3.319401432	1.592123071	0.704263065	1.10663	1.4654468	1.2011746	1.084459	7.7080328
5170000000	2.094395102	-0.575958653	1.262876675	3.16500853	1.682988751	1.642281308	1.1564952	1.4396285	1.2138064	1.2081311	7.9901192
5170000000	2.094395102	-0.523598776	1.586368886	2.758872803	1.582306928	2.202343117	1.2003792	1.3738637	1.1998179	1.2885971	8.0669177
5170000000	2.094395102	-0.471238898	2.131683914	2.276552525	1.470811121	2.228757685	1.278157	1.2996536	1.1844291	1.2925218	8.0534135
5170000000	2.094395102	-0.41887902	2.659439061	1.964624841	1.524449576	1.835019272	1.3582257	1.2538086	1.1918524	1.2352389	8.0265038
5170000000	2.094395102	-0.366519143	2.695407034	1.92154524	1.578806507	1.361736916	1.3638618	1.2476054	1.2300998	1.1697333	7.9784085
5170000000	2.094395102	-0.314159265	2.076884497	2.017699812	2.204769443	1.132033153	1.2701185	1.2614934	1.2889571	1.1392044	7.8886368
5170000000	2.094395102	-0.261799388	1.141788788	2.091963818	2.589633156	1.206129511	1.1404846	1.27323254	1.3473538	1.1489641	7.7994872
5170000000	2.094395102	-0.20943951	0.572338186	2.108476012	1.791688631	1.448138406	1.0681123	1.2747464	1.3790664	1.1814271	7.7892576
5170000000	2.094395102	-0.157079633	0.53327124	2.128634695	2.692267047	1.704496796	1.063319	1.2777084	1.3633688	1.2168158	7.8208414
5170000000	2.094395102	-0.104719755	0.475151453	2.210462497	2.3124554	1.926333145	1.0562277	1.2898022	1.3063898	1.2482934	7.7845587
5170000000	2.094395102	-0.052359878	0.064765363	2.353390419	1.969118774	1.209890046	1.0074843	1.3112018	1.2544575	1.2688991	7.7112016
5170000000	2.094395102	-4.44E-16	-0.493607417	2.51869494	2.038146717	2.560233991	0.9447559	1.3363947	1.2644665	1.3428011	7.7627673
5170000000	2.094395102	0.052359878	-0.759785659	2.664770425	1.635286934	2.968081071	0.9162431	1.3395097	1.3389654	1.4073563	7.9962846
5170000000	2.094395102	0.104719755	-0.609299604	2.752356097	3.049024158	3.304926495	0.9322556	1.3728331	1.4205326	1.4630067	8.2804153
5170000000	2.094395102	0.157079633	-0.272848824	2.748073343	3.248828282	3.526774401	0.9690754	1.3721566	1.4535883	1.5008549	8.4578268
5170000000	2.094395102	0.20943951	0.092874097	2.66275676	3.049545673	3.648646169	1.0107499	1.3587446	1.4206179	1.5220619	8.4848464
5170000000	2.094395102	0.261799388	0.467409135	2.593357118	3.250666323	3.686447028	1.0552867	1.3479316	1.3366976	1.5287003	8.4133314
5170000000	2.094395102	0.314159265	0.786825791	2.674536267	3.182686989	3.630998005	1.0948164	1.3605886	1.2320671	1.5189725	8.3102249
5170000000	2.094395102	0.366519143	0.919862928	2.923441427	3.142592963	3.466514358	1.1117142	1.400142	1.1405902	1.4944785	8.2036037
5170000000	2.094395102	0.41887902	0.820958596	3.177804833	3.074668039	3.196950702	1.0991271	1.4417509	1.0897679	1.4449324	8.0891197
5170000000	2.094395102	0.471238898	0.643631901	3.230124158	0.683610571	2.857885505	1.0769154	1.4504615	1.0818836	1.3861163	7.9568453
5170000000	2.094395102	0.523598776	0.626049167	2.96505957	1.510466254	2.516885123	1.0747376	1.4068668	1.0858062	1.3361163	7.7895713
5170000000	2.094395102	0.575958653	0.823550523	2.398481773	0.522358784	2.261539079	1.0994552	1.3180263	1.0619839	1.2974091	7.5622768
5170000000	2.094395102	0.628318531	1.09885712	1.662064241	-0.036096424	2.156360636	1.1348615	1.2109612	0.9958529	1.2817934	7.2787589
5170000000	2.094395102	0.680678408	1.313092148	0.942942614	-0.817757785	2.173915941	1.1632006	1.1146721	0.9101482	1.2843872	6.9902286
5170000000	2.094395102	0.730382826	1.346618326	0.358232044	2.183597434	2.183597434	1.167699	1.0421053	0.847619	1.2858191	6.7356815
5170000000	2.094395102	0.785398163	1.058565318	-0.112570885	-1.623627515	2.037876451	1.1296093	0.9871234	0.8295043	1.2644272	6.4664122
5170000000	2.094395102	0.837758041	0.384322178	-0.558857819	-1.658400624	1.663625467	1.0452402	0.9376853	0.8351413	1.211035	6.0837127
5170000000	2.094395102	0.890117919	-0.462687961	-1.030026247	-1.061559828	1.093275347	0.948125	0.8881753	0.835453	1.1341324	5.5885149
5170000000	2.094395102	0.942477796	-0.974240571	-1.51381481	-1.663229322	0.456639871	0.893898	0.8401189	0.8257309	1.0539791	5.1385065
5170000000	2.094395102	0.994837674	-0.948522587	-1.976309048	-1.729952841	-0.049600987	0.8965487	0.7964977	0.8194121	0.9943057	4.8775314
5170000000	2.094395102	1.047197551	-0.776151628	-2.392532295	-1.68962424	-0.265429877	0.9145183	0.75923	0.8234778	0.9699035	4.7788016
5170000000	2.094395102	1.099557429	-0.737641283	-2.711812334	-1.613688264	-0.241441752	0.918582	0.7318286	0.830454	0.9725858	4.7444646
5170000000	2.094395102	1.151917306	-0.71866848	-2.855089008	-1.67749637	-0.239253224	0.9205887	0.7189559	0.8338012	0.9728309	4.728419
5170000000	2.094395102	1.204277184	-0.516400854	-2.791761281	-1.521279969	-0.518070385	0.94228	0.7251234	0.8393363	0.9420989	4.7328574
5170000000	2.094395102	1.256637061	-0.178338915	-2.58956439	-1.531568448	-1.197530116	0.9796773	0.7422014	0.8558857	0.8712113	4.7332029
5170000000	2.094395102	1.308996939	-0.004214603	-2.308500897	-1.119237533	-2.21766816	0.9995149	0.7639676	0.8790997	0.7746697	4.6529401
5170000000	2.094395102	1.361356817	-0.278407699	-2.065854717	-0.995714814	-3.250248309	0.9684554	0.7883286	0.8916907	0.6878402	4.4447409
5170000000	2.094395102	1.413716694	-1.044339372	-1.748573924	-1.123789248	-3.806437452	0.8867129	0.8176573	0.8786391	0.6451759	4.1585689
5170000000	2.094395102	1.466076572	-1.995829633	-1.387096424	-1.531818999	-3.877778777	0.7947097	0.8524034	0.8383185	0.6389885	3.8773171
5170000000	2.094395102	1.518436449	-2.579728745	-1.058565765	-2.144357359	-3.930629801	0.7430423	0.8852618	0.7812358	0.6302167	3.6257336
5170000000	2.094395102	1.570796327	-2.559584013	-0.89936913	-2.856029952	-4.092965042	0.7447676	0.9016366	0.7197779	0.6242402	3.4940508
5170000000	2.094395102	1.623156204	-2.368545804	-1.035727608	-3.64487508	-4.015475864	0.7613296	0.8875925	0.6572888	0.6298342	3.3346544
5170000000	2.094395102	1.675516082	-2.560762508	-1.509913443	-4.62721922	-3.50703437	0.7446666	0.8404354	0.5870013	0.6659856	3.0399198
5170000000	2.094395102	1.72787596	-3.253600936	-2.220869958	-5.96172904	-3.073500599	0.6857448	0.7734832	0.5034004	0.7019804	2.500967
5170000000	2.094395102	1.780235837	-3.877478091	-2.914103729	-7.637247265	-3.231696392	0.6399206	0.7149815	0.4150856	0.689311	1.7956255
5170000000	2.094395102	1.832595715	-3.674147041	-3.335694051	-9.218557009	-4.413660927	0.6550774	0.6811069	0.3459969	0.6016126	1.1525381
5170000000	2.094395102	1.884955592	-3.01155422	-3.494768316	-9.98254762	-6.727349174	0.7070047	0.6687466	0.3162913	0.4609274	0.6401597
5170000000	2.094395102	1.93731547	-2.763661828	-3.640105671	-9.936245165	-8.985350568	0.727473	0.6576498	0.3185574	0.3554123	0.5259178
5170000000	2.094395102	1.989675347	-3.226151781	-3.97778812	-9.514253256	-8.416108584	0.6895711	0.6325729	0.3344162	0.379485	0.1559163
5170000000	2.094395102	2.042035225	-3.968650751	-4.497415932	-8.871881303	-6.763634703	0.6332387	0.5958394	0.3600857	0.4590059	0.206719
5170000000	2.094395102	2.094395102	-4.168127534	-4.980446647	-8.07987759	-6.284549174	0.6188617	0.5636087	0.3944629	0.4850344	0.2650371
5170000000	2.094395102	2.14675498	-3.978022291	-5.232866802	-7.5417577	-7.45681717	0.6325559	0.5474654	0.419674	0.4327982	0.1014365
5170000000	2.09439510										

5170000000	2.14675498	-1.413716694	-3.446472754	-1.161689846	-1.440798964	-1.113993257	0.6724753	0.8748136	0.8471495	0.8796306	4.2811567
5170000000	2.14675498	-1.361356817	-1.963465583	-0.402571694	-1.252538475	-1.821717074	0.7976764	0.9547099	0.8657113	0.8108008	4.6824921
5170000000	2.14675498	-1.308996939	-0.876314282	0.414508318	-1.06503993	-2.408020817	0.904033	1.04488791	0.8846022	0.7578774	5.0943242
5170000000	2.14675498	-1.256637061	0.138179983	1.188244882	-0.83369049	-2.928933664	1.0160358	1.1466008	0.9084802	0.7137618	5.5404392
5170000000	2.14675498	-1.204277184	1.00432945	1.78615042	-0.568710708	-3.476445539	1.1225779	1.2283087	0.9366222	0.6701588	5.9281863
5170000000	2.14675498	-1.151917306	1.397953406	1.2129321577	-0.363909322	-4.073778683	1.1746208	1.2777962	0.9589689	0.6256206	6.100589
5170000000	2.14675498	-1.099557429	1.134838655	2.228534337	-0.338590686	-4.593450449	1.1395724	1.2924886	0.9617683	0.5825878	5.9838617
5170000000	2.14675498	-1.047197551	0.442845314	2.173774074	-0.552989129	-4.750884098	1.0523065	1.2843657	0.9383191	0.5787031	5.6969455
5170000000	2.14675498	-0.994837674	0.100301935	2.08334302	-0.435036689	-5.5455039	1.0116146	1.21710632	0.8983958	0.6060126	5.5455039
5170000000	2.14675498	-0.942477796	0.596340992	2.034249181	-1.212832272	-3.604032848	1.071068	1.2638909	0.8696778	0.6603868	5.7224616
5170000000	2.14675498	-0.890117919	1.244949633	2.203793784	-1.077732903	-2.914825354	1.1541107	1.264436	0.8833104	0.7149221	6.0569595
5170000000	2.14675498	-0.837758041	1.342160834	2.101220075	-0.457231071	-2.483976862	1.1670999	1.273682	0.9487209	0.7512788	6.3210466
5170000000	2.14675498	-0.785398163	0.890516755	2.278518077	-0.390219416	-2.204333821	1.1079645	1.2999478	1.0459501	0.7758599	6.5056371
5170000000	2.14675498	-0.733038286	0.505657557	2.602158933	1.15768844	-1.747013886	1.0599439	1.3492982	1.1425742	0.8178041	6.7882744
5170000000	2.14675498	-0.680678408	0.73003694	2.973261554	1.664458071	-0.851804073	1.0876818	1.4081959	1.2112196	0.9065876	7.2603588
5170000000	2.14675498	-0.628318531	1.243255033	3.199322155	1.860793735	0.359105295	1.1538856	1.445327	1.2389098	1.0422101	7.7483882
5170000000	2.14675498	-0.575958653	1.597895875	3.133323514	1.803899272	1.473586409	1.2019732	1.4343865	1.2308212	1.1848935	8.0487948
5170000000	2.14675498	-0.523598776	1.869579731	2.766560993	1.693584897	1.212953071	1.2401636	1.3795083	1.2077246	1.2767259	8.1302381
5170000000	2.14675498	-0.471238898	2.278980545	2.255155102	1.552189064	2.161501512	1.300017	1.2964505	1.1956648	1.2825523	8.0875904
5170000000	2.14675498	-0.41887902	2.651579477	1.855306516	1.663911276	1.724737995	1.3569973	1.2381274	1.2111434	1.2196547	8.0037163
5170000000	2.14675498	-0.366519143	2.594047397	1.95664361	1.191896437	1.191896437	1.3480387	1.2192215	1.2530928	1.1470829	7.9020456
5170000000	2.14675498	-0.314159265	1.966385438	1.779316087	2.33259534	0.964445532	1.2540628	1.2273426	1.3080609	1.117435	7.7955465
5170000000	2.14675498	-0.261799388	1.089543332	1.877123168	2.635914893	1.31742806	1.1336452	1.2412411	1.3573622	1.1391663	7.7325024
5170000000	2.14675498	-0.20943951	0.57381272	1.959742461	2.792569157	1.844612767	1.0682936	1.2531004	1.3792038	1.1863986	7.7602471
5170000000	2.14675498	-0.157079633	0.532441514	2.057405053	2.652250916	1.794652322	1.0632174	1.2672732	1.3571091	1.2295559	7.8136791
5170000000	2.14675498	-0.104719755	0.459372569	2.196235684	2.677087371	2.003551338	1.0543107	1.2876914	1.299677	1.2594402	7.7853057
5170000000	2.14675498	-0.052359878	0.053910022	2.360068851	1.950031198	2.23277525	1.0062259	1.3122103	1.2517041	1.2917066	7.7154256
5170000000	2.14675498	-4.44E-16	-0.493607654	2.158695128	2.038146391	2.560234317	0.9447559	1.3363947	1.2644665	1.3428012	7.7627673
5170000000	2.14675498	0.052359878	-0.768546715	2.650786916	1.527964008	2.95832205	0.9153194	1.3568735	1.3378216	1.4057759	7.9861874
5170000000	2.14675498	0.104719755	-0.636550372	2.729255755	3.083818563	3.282673878	0.9293354	1.3691871	1.4187828	1.4592634	8.2602398
5170000000	2.14675498	0.157079633	-0.303463704	2.718118469	3.67250872	3.467578671	0.9656657	1.3674326	1.4566746	1.4906612	8.4327925
5170000000	2.14675498	0.20943951	0.072528967	2.623912303	3.129408122	3.538065612	1.0083852	1.3526817	1.43374	1.5028072	8.4610065
5170000000	2.14675498	0.261799388	0.460449244	2.551409161	2.071543701	3.544889112	1.0544414	1.3414375	1.3601199	1.5039883	8.3990937
5170000000	2.14675498	0.314159265	0.803339862	2.644483119	2.008859756	3.502142715	1.0968999	1.3558891	1.2602102	1.4966048	8.3154894
5170000000	2.14675498	0.366519143	0.985062921	2.905048429	1.32248883	3.38106586	1.1200906	1.3971802	1.1644596	1.4758876	8.2283836
5170000000	2.14675498	0.41887902	0.947159961	3.140900801	0.834726256	3.154202931	1.1152134	1.3563683	1.1008707	1.4378386	8.1130067
5170000000	2.14675498	0.471238898	0.784498404	3.1325501862	0.644397049	2.842467135	1.0945231	1.43425080	1.0770103	1.3871498	7.9465164
5170000000	2.14675498	0.523598776	0.69146601	2.778189409	0.843185159	2.526531709	1.0828625	1.3792224	1.0695865	1.37601	7.7245778
5170000000	2.14675498	0.575958653	0.791172195	2.128575093	0.376621823	2.306027378	1.0953644	1.2776996	1.044314	1.3040714	7.4609068
5170000000	2.14675498	0.628318531	1.056051927	1.361953933	-0.11416034	2.22024308	1.1292825	1.1697625	0.9869428	1.2912554	7.1914799
5170000000	2.14675498	0.680678408	1.359695326	0.683806802	-0.760191748	2.199780792	1.1694584	1.081908	0.9162003	1.288217	6.9578821
5170000000	2.14675498	0.730382826	1.51221398	0.166323101	-1.220975405	2.109941831	1.1901747	1.0193332	0.8688628	1.2749616	6.7558363
5170000000	2.14675498	0.785398163	1.310959929	-0.285092885	-1.280205013	1.83836207	1.1629151	0.9677103	0.8629582	1.2357144	6.5047567
5170000000	2.14675498	0.837758041	0.662763544	-0.787811306	-1.05707891	1.351816798	1.0792901	0.9312915	0.8795785	1.1683981	6.1082274
5170000000	2.14675498	0.890117919	-0.259323034	-1.369012753	-1.005105817	0.719528601	0.9705856	0.8541799	0.8907272	1.0836667	5.5793211
5170000000	2.14675498	0.942477796	-0.991997786	-1.978243866	-1.030822775	0.122425766	0.8920724	0.7963203	0.8881388	1.0141946	5.0830458
5170000000	2.14675498	0.994837674	-1.242210159	-2.554045255	-1.04821651	-0.20539038	0.8667413	0.7452427	0.8805599	0.9766309	4.783924
5170000000	2.14675498	1.047197551	-1.241066012	-3.0450588	-1.158313313	-0.187064609	0.8668555	0.7042828	0.8751537	0.9786936	4.6725751
5170000000	2.14675498	1.099557429	-1.226346171	-3.369323928	-1.215194234	-0.049106552	0.8683258	0.6784749	0.8694413	0.9943624	4.636027
5170000000	2.14675498	1.151917306	-1.132422565	-3.429856511	-1.304884383	-0.132396683	0.8777662	0.673763	0.8605097	0.9848729	4.6010856
5170000000	2.14675498	1.204277184	-0.849716324	-3.231715055	-1.375542923	-0.659279289	0.9068056	0.6893095	0.853538	0.9269067	4.5488889
5170000000	2.14675498	1.256637061	-0.498761942	-2.907174772	-1.35332027	-1.671802114	0.9441954	0.7155521	0.8557245	0.8249163	4.4553394
5170000000	2.14675498	1.308996939	-0.383748248	-2.582994775	-1.269240171	-2.980093941	0.9567811	0.742763	0.8640482	0.7095701	4.2878513
5170000000	2.14675498	1.361356817	-0.741808638	-2.288142252	-1.64667459	-4.084598887	0.9181414	0.7684098	0.8645032	0.6248418	4.0167261
5170000000	2.14675498	1.413716694	-1.532726846	-1.982248423	-1.476887161	-4.580869311	0.8382309	0.7959333	0.843637	0.590142	3.7164031
5170000000	2.14675498	1.466076572	-2.34864479	-1.641163787	-1.957695339	-4.801117801	0.7630759	0.8278312	0.7982065	0.5753659	3.4183692
5170000000	2.14675498	1.518436449	-2.664410224	-1.324265193	-2.671570025	-5.2195842	0.7358334	0.8585918	0.7352271	0.5483032	3.1610816
5170000000	2.14675498	1.570796327	-2.470905742	-1.1672456	-3.548630798	-5.700020361	0.7524103	0.8742542	0.6646124	0.5187988	2.9537605
5170000000	2.14675498	1.623156204	-2.286554425	-1.311369808	-4.569873604	-5.750115072	0.7685503	0.8598675	0.5908896	0.5158153	2.7189361
5170000000	2.14675498	1.675516082	-2.531153482	-1.825371134	-5.456149581	-5.456149581	0.7472094	0.8104597	0.5118824	0.5335714	2.2892935
5170000000	2.14675498	1.72787596	-3.131210565	-2.636610584	-7.389945505	-5.508529863	0.6973318	0.7381922	0.4270736	0.5303634	1.5581124
5170000000	2.14675498	1.780235837	-3.441572995	-3.479494222	-6.501200764	-6.501200764	0.6728548	0.6699236	0.3479463	0.4730859	0.6837848
5170000000	2.14675498	1.832595715	-3.047002234	-3.998738026	-10.5398945	-8.656910166	0.7041252	0.631049	0.2971702	0.3691089	0.0063094
5170000000	2.14675498	1.884955592	-2.535292518	-4.10486542	-10.87396288	-10.62809793	0.7468534	0.6234414	0.2859577	0.2941678	-0.218035
5170000000	2.14675498	1.93731547	-2.567619717	-4.082945254	-10.5342239	-9.122532978	0.7440789	0.6249607	0.2973233	0.3498431	0.0700985
5170000000	2.14675498	1.989675347	-3.23769955	-4.249741575	-10.10071394	-6.546229622	0.6888347	0.613074	0.3125822	0.4706397	0.3620655
5170000000	2.14675498	2.042035225	-4.004091592	-4.685221431	-9.636756531	-5.144793809	0.6306602	0.5830945	0.3297328	0.5530448	0.4094312
5170000000	2.14675498	2.094395102	-4.171080008	-5.203995763	-9.139444785	-5					

5170000000	2.199114858	-1.518436449	-6.277793967	-1.956640105	-2.081049327	-1.053515944	0.4854118	0.7983034	0.7869507	0.8857766	3.3947889
5170000000	2.199114858	-1.466076572	-4.27301803	-1.259384164	-1.944371232	-1.890260247	0.6114333	0.8650292	0.7994318	0.8044276	3.7513226
5170000000	2.199114858	-1.413716694	-2.438692744	-0.663084284	-1.801591976	-2.515070591	0.7552059	0.9250088	0.8126816	0.7485942	4.198292
5170000000	2.199114858	-1.361356817	-1.281647064	-0.062571744	-1.688730516	-2.887052652	0.8628149	0.992822	0.8233102	0.7172117	4.5991599
5170000000	2.199114858	-1.308996939	-0.48950759	0.596538058	-1.574836998	-3.185985432	0.945202	1.0710923	0.8341769	0.6929481	4.967851
5170000000	2.199114858	-1.256637061	0.262197651	1.263512932	-1.397149275	-3.562713716	1.0306469	1.1565799	0.8514174	0.6635357	5.3485505
5170000000	2.199114858	-1.204277184	0.904371942	1.814335267	-1.152651298	-4.028150228	1.1097332	1.2323009	0.8757244	0.6289158	5.6811084
5170000000	2.199114858	-1.151917306	1.129954616	2.144674402	-0.930821657	-4.473070294	1.1389318	1.28007	0.8983776	0.5975118	5.8337941
5170000000	2.199114858	-1.099557429	0.821384207	2.232739841	-0.84856396	-4.764086104	1.099181	1.2931145	0.9069259	0.5778242	5.7494182
5170000000	2.199114858	-1.047197551	0.353828423	2.143109575	-0.95013146	-4.784269577	1.0415771	1.2798394	0.8963826	0.5764883	5.5619925
5170000000	2.199114858	-0.994837674	0.500965613	1.984001537	-1.121932585	-4.463458132	1.0593715	1.2566087	0.878827	0.5981734	5.5590125
5170000000	2.199114858	-0.942477796	1.327406917	1.83851964	-1.087136033	-3.935709906	1.1651192	1.2357368	0.8823547	0.6356448	5.842585
5170000000	2.199114858	-0.890117919	2.023063901	1.733745155	-0.615618242	-3.479291906	1.2622727	1.2209201	0.9315777	0.6699392	6.2026242
5170000000	2.199114858	-0.837758041	2.07670587	1.699700969	-0.204583783	-3.222640062	1.2700923	1.2161441	1.0238332	0.69003	6.444592
5170000000	2.199114858	-0.785398163	1.578676407	1.828414536	-0.167219145	-3.004822743	1.1993165	1.2343	1.1307353	0.7075528	6.5918311
5170000000	2.199114858	-0.733038286	1.106288329	2.185192888	1.718178781	-2.474992845	1.1358328	1.2860553	1.218734	0.7520563	6.8339884
5170000000	2.199114858	-0.680678408	1.182606751	2.659046449	2.044516074	-1.419217842	1.1458568	1.3581643	1.2653941	0.8492569	7.2697428
5170000000	2.199114858	-0.628318531	1.584255323	3.01201733	2.058623822	-0.043639573	1.2000871	1.4144292	1.267451	0.9949884	7.7424904
5170000000	2.199114858	-0.575958653	1.894738127	3.059217636	1.878234812	-1.187900975	1.2437609	1.4222007	1.2414	1.1465554	8.0519622
5170000000	2.199114858	-0.523598786	2.115052234	2.767626576	1.690364615	1.902714295	1.2757119	1.375249	1.2148376	1.2449036	8.1490114
5170000000	2.199114858	-0.471238897	2.403480221	2.271104889	1.661256254	1.972851301	1.318785	1.2988388	1.2107732	1.2549966	8.102475
5170000000	2.199114858	-0.41887902	2.63277657	1.816256806	1.835126828	1.540808885	1.3540629	1.2325753	1.2325542	1.1940993	7.9865332
5170000000	2.199114858	-0.366519143	2.485758732	1.592707934	1.213744781	1.005044537	1.3313368	1.2012555	1.279002	1.1226703	7.8438489
5170000000	2.199114858	-0.314159265	1.851425804	1.588260879	2.462418391	0.801615603	1.2375743	1.2064047	1.3277661	1.0985019	7.7201303
5170000000	2.199114858	-0.261799388	1.034549813	1.685116277	1.712698488	1.18253362	1.1264904	1.241038	1.3665796	1.1327307	7.6761359
5170000000	2.199114858	-0.20943951	0.571548504	1.82000134	2.786004566	1.536093085	1.0680152	1.233105	1.3781619	1.1934512	7.7348528
5170000000	2.199114858	-0.157079633	0.527419569	1.990158363	2.606119068	1.861670135	1.0626029	1.2574998	1.3499135	1.2433217	7.8069937
5170000000	2.199114858	-0.104719755	0.440126389	2.184238541	2.22889273	2.084008069	1.0519772	1.285914	1.2925419	1.2711605	7.7861462
5170000000	2.199114858	-0.052359878	0.041260624	2.367646228	1.93069181	2.257278374	1.0047616	1.3133555	1.2489199	1.2967729	7.718932
5170000000	2.199114858	-4.44E-16	-0.493607556	2.518695202	2.038146868	2.560234313	0.9447559	1.3363947	1.2644665	1.3428012	7.7627675
5170000000	2.199114858	0.052359878	-0.777083057	2.637041589	2.518836555	2.947992528	0.9144203	1.3547279	1.3364165	1.4041051	7.9755821
5170000000	2.199114858	0.104719755	-0.665829779	2.707598125	3.022844476	3.25892785	0.926208	1.3657774	1.4162575	1.4552794	8.2383211
5170000000	2.199114858	0.150799653	-0.339965438	2.69102436	3.276392186	3.440601406	0.9616161	1.3631738	1.4582084	1.4798922	8.4038867
5170000000	2.199114858	0.203439531	0.04166139	2.589504786	3.193943141	3.422032055	1.004808	1.3473339	1.4444322	1.4828647	8.4311552
5170000000	2.199114858	0.261799388	0.438764154	2.515078974	2.810193621	3.400690022	1.0518122	1.3358385	1.380692	1.4792259	8.3785626
5170000000	2.199114858	0.314159265	0.804087208	2.61731061	2.180701314	3.377585998	1.0969943	1.351654	1.2863248	1.4752965	8.3166039
5170000000	2.199114858	0.366519143	1.039621777	2.879610477	1.500903185	3.304843749	1.1271484	1.3930094	1.1886258	1.4629928	8.2523375
5170000000	2.199114858	0.41887902	1.074754425	3.082933288	1.947008545	3.1213094	1.1317167	1.4260891	1.1152043	1.4324038	8.1400192
5170000000	2.199114858	0.471238898	0.941335908	3.001942991	0.647000473	2.83608245	1.1144659	1.4128536	1.0773332	1.3861305	7.9427741
5170000000	2.199114858	0.523598776	0.770163746	2.553741747	0.496732395	2.537941822	1.0927182	1.3417978	1.0588553	1.3393593	7.6632519
5170000000	2.199114858	0.575958653	0.724954943	1.828810726	0.266311109	2.320431512	1.0870455	1.2343563	1.0311351	1.3062358	7.3448804
5170000000	2.199114858	0.628318531	0.905993189	1.05342324	-0.16935301	2.158882182	1.0999404	1.1289408	0.9806708	1.2866165	7.0555486
5170000000	2.199114858	0.680678408	1.244173016	0.439687697	-0.968884278	2.054110421	1.1540076	1.0519241	0.9226889	1.2667926	6.8393961
5170000000	2.199114858	0.733038286	1.496075817	-0.005168365	-0.1018579147	1.809825117	1.1879654	0.9994051	0.8893466	1.2316612	6.6656767
5170000000	2.199114858	0.785398163	1.39681129	-0.442749271	-0.942754	1.40058664	1.1744663	0.950304	0.8971443	1.1749769	6.4379549
5170000000	2.199114858	0.837575804	0.830086426	-0.998785958	-0.63677475	1.8040573204	1.1002828	0.8913755	0.9293114	1.101612	6.0694976
5170000000	2.199114858	0.890117919	-0.058846961	-1.670118664	-0.368685999	0.219198514	0.9932479	0.8250762	0.9584417	1.0255573	5.5803804
5170000000	2.199114858	0.942477796	-0.875072552	-2.373975778	-0.244005958	-0.295028578	0.9041623	0.7608038	0.9722987	0.966604	5.1148998
5170000000	2.199114858	0.994837674	-1.320643102	-0.303080595	-0.229882325	-0.53420904	0.8589499	0.7054394	0.973881	0.94035	4.8705408
5170000000	2.199114858	1.047197551	-1.48817921	-3.574836814	-0.283876652	-0.63679011	0.842541	0.6626103	0.9678458	0.9404074	4.6431552
5170000000	2.199114858	1.099557429	-1.535507404	-3.901024388	-0.413165943	-0.580661415	0.8379626	0.6381882	0.9535461	0.933344	4.5191824
5170000000	2.199114858	1.151917306	-1.440755396	-3.90528611	-0.630019079	-0.99085134	0.8471537	0.6378874	0.9300345	0.8921902	4.3687031
5170000000	2.199114858	1.204277184	-1.177140696	-3.628732854	-0.896133822	-1.928270162	0.8732588	0.6585115	0.9019725	0.8009151	4.1759673
5170000000	2.199114858	1.256637061	-0.901654201	-3.243757226	-1.14338332	-3.329883655	0.9013995	0.6883545	0.8766593	0.6815627	3.9400821
5170000000	2.199114858	1.308996939	-0.900329652	-2.88830473	-1.354156431	-4.778478431	0.9015369	0.7171083	0.8556422	0.5768675	3.6686853
5170000000	2.199114858	1.361356817	-1.35796836	-2.5833836583	-1.598800435	-5.651601399	0.8552667	0.742691	0.831871	0.5216989	3.3803733
5170000000	2.199114858	1.413716694	-2.146854502	-2.79189214	-1.982736593	-6.046041897	0.780112	0.7692022	0.7959086	0.4985376	3.0060062
5170000000	2.199114858	1.466076572	-2.790911526	-1.939918709	-2.574412341	-6.747234011	0.7251944	0.7998417	0.7434973	0.4598734	2.6975825
5170000000	2.199114858	1.518436449	-2.887060456	-1.618059382	-3.381446549	-8.138807099	0.7172111	0.8300362	0.6775287	0.3917957	2.3340525
5170000000	2.199114858	1.570796327	-2.627320481	-1.446979804	-4.370151565	-9.704786007	0.7389822	0.8465469	0.6046338	0.3271604	1.9981798
5170000000	2.199114858	1.623156204	-2.503373433	-1.571313025	-5.502133582	-10.41635206	0.749603	0.8345154	0.5307528	0.3014272	1.6424115
5170000000	2.199114858	1.675516082	-2.76748626	-2.071955513	-6.732777282	-10.6995561	0.7271528	0.7877751	0.4606395	0.2917576	1.0896754
5170000000	2.199114858	1.72787596	-3.174490358	-2.900591776	-7.907718319	-12.01939512	0.6938658	0.7160946	0.4023593	0.2506284	0.2691663
5170000000	2.199114858	1.780235837	-3.136860755	-3.812954682	-8.661314543	-14.8031668	0.6968783	0.644692	0.3689083	0.1819038	-0.480422
5170000000	2.199114858	1.832595715	-2.628075413	-4.418557356	-7.1271999745	-14.09164053	0.738918	0.6012736	0.3663532	0.1974322	-0.427366
5170000000	2.199114858	1.884955592	-2.295814691	-4.536685871	-8.358585351	-9.676995718	0.7677313	0.5931516	0.3820065	0.3282088	0.303414
5170000000	2.199114858	1.93731547	-2.572929397	-4.431051723	-8.038374024	-6.624327837	0.7436242	0.6004093	0.3963522	0.4664269	0.8547095
5170000000	2.199114858	1.989675347	-3.37								

5170000000	2.251474735	-1.623156204	-4.682239962	-2.871049503	-2.615828334	-1.448653539	0.5832947	0.7185343	0.7399606	0.8463838	3.1918652
5170000000	2.251474735	-1.570796327	-5.71393315	-1.67423021	-2.598150695	-2.169999658	0.5179685	0.8246857	0.7414681	0.7789328	3.1159944
5170000000	2.251474735	-1.518436449	-5.050206049	-0.7445586	-2.578822859	-3.025252129	0.5591003	0.9178508	0.7431198	0.7058906	3.3047721
5170000000	2.251474735	-1.466076572	-3.197799552	-0.0071829043	-2.510887453	-3.495913294	0.6920063	0.9917646	0.7489548	0.6686584	3.8105108
5170000000	2.251474735	-1.413716694	-1.694194892	0.405671966	-2.431382103	-3.528885121	0.8227924	1.0478126	0.7558418	0.666125	4.3301049
5170000000	2.251474735	-1.361356817	-0.815222222	0.789037544	-2.370064798	-3.509834958	0.9104139	1.0950952	0.7611965	0.6657876	4.6961474
5170000000	2.251474735	-1.308996939	-0.244090749	1.175210607	-2.28237722	-3.669636681	0.9722892	1.1448815	0.76892	0.6554177	4.9631655
5170000000	2.251474735	-1.256637061	0.320287429	1.583071866	-2.093632518	-3.958457509	1.0375627	1.1999326	0.7858115	0.6339823	5.2425646
5170000000	2.251474735	-1.204277184	0.807400924	1.930474001	-1.95940718	-4.195647697	1.0974129	1.2488886	0.8132105	0.616904	5.5209967
5170000000	2.251474735	-1.151917306	0.958543752	2.108282503	-1.477034596	-4.284323375	1.116676	1.247418	0.8436227	0.610638	5.678806
5170000000	2.251474735	-1.09557429	0.770536897	2.069776014	-1.246895435	-4.333483906	1.0927652	1.2690794	0.8662739	0.6071917	5.6554099
5170000000	2.251474735	-1.047197551	0.715834838	1.862666496	-1.132370094	-4.440826176	1.0859048	1.2391769	0.8777715	0.599734	5.5808393
5170000000	2.251474735	-0.994837674	1.310526267	1.59585491	-1.080857355	-4.498854203	1.162857	1.2016908	0.8904246	0.5957407	5.6902234
5170000000	2.251474735	-0.942477796	2.252335212	1.359162767	-0.647797877	-4.39155644	1.2960351	1.1693867	0.9281328	0.6031456	6.0134314
5170000000	2.251474735	-0.890117919	2.851864735	1.17608837	0.050654438	-4.19318439	1.3886514	1.1449972	1.0058488	0.617079	6.3541155
5170000000	2.251474735	-0.837758041	2.790972721	1.074029611	0.922955668	-3.982389048	1.3789503	1.1316223	1.1121101	0.6322379	6.5572293
5170000000	2.251474735	-0.785398163	2.20642455	1.173179189	1.697533303	-3.65533367	1.2892028	1.1446138	1.2158407	0.6564979	6.6611933
5170000000	2.251474735	-0.733038286	1.629198523	1.582156758	2.183680749	-2.992490988	1.2063128	1.1997972	1.2858314	0.7085581	6.8494935
5170000000	2.251474735	-0.680678408	1.563761911	2.184358307	1.319846354	-1.866920181	1.197259	1.2859317	1.3061478	0.8065921	7.2268694
5170000000	2.251474735	-0.628318531	1.866723104	2.692498479	1.269760432	-0.460193931	1.2397558	1.3634051	1.2837644	0.9483973	7.6679902
5170000000	2.251474735	-0.575958653	2.144049122	3.830650718	1.907622711	-0.800582236	1.2799779	1.3937425	1.2456073	1.0965517	7.9863416
5170000000	2.251474735	-0.523598776	2.325900305	2.705943592	1.747467567	1.552214293	1.3070585	1.3655712	1.2228505	1.1956683	8.1156233
5170000000	2.251474735	-0.471238898	2.510753438	2.274090444	1.805189556	1.668575697	1.3351734	1.2992853	1.231004	1.211794	8.0919825
5170000000	2.251474735	-0.41887902	2.608412516	1.813327876	2.035741208	1.288682759	1.35027	1.232158	1.2641164	1.1599363	7.970051
5170000000	2.251474735	-0.366519143	2.375317477	1.522981543	2.32496894	0.808012941	1.314516	1.191651	1.3069978	1.0974902	7.8021884
5170000000	2.251474735	-0.314159265	1.735354967	1.446999442	2.588621891	0.69349443	1.2211464	1.1812722	1.347197	1.0831154	7.6632524
5170000000	2.251474735	-0.261799388	0.977850752	1.521423932	2.762338668	1.060867356	1.1191609	1.1243373	1.374412	1.1299087	7.6311797
5170000000	2.251474735	-0.20943951	0.564956608	1.693101584	2.770150044	1.60159383	1.0672049	1.2152205	1.3756486	1.2024851	7.7131246
5170000000	2.251474735	-0.157079633	0.517631169	1.928762833	2.553290245	1.993108747	1.061406	1.2486426	1.3417515	1.257927	7.8004836
5170000000	2.251474735	-0.104719755	0.417342327	2.175052083	2.178195127	2.166761691	1.0492213	1.2854547	1.2850196	1.2833292	7.7807875
5170000000	2.251474735	-0.052359878	0.026894483	2.376178639	1.911268199	2.292624257	1.0031011	1.3146463	1.2461302	1.3020606	7.722732
5170000000	2.251474735	-4.44E-16	-0.493607365	2.518694907	2.038147043	2.560234057	0.9447559	1.3363947	1.2644666	1.3428011	7.7627674
5170000000	2.251474735	0.052359878	-0.78528167	2.623552467	2.508088996	2.937091432	0.9135576	1.3526257	1.3347639	1.402344	7.9645156
5170000000	2.251474735	0.104719755	-0.696964699	2.687283633	3.002485899	3.234018568	0.9228939	1.3625868	1.4129419	1.451112	8.2147596
5170000000	2.251474735	0.157079633	-0.382324351	2.666401572	3.275379452	3.339429058	0.956398	1.3593149	1.4580384	1.4688297	8.3131977
5170000000	2.251474735	0.20943951	0.000568441	2.558416588	3.241398272	3.304403537	1.0000654	1.3425202	1.4523454	1.4629187	8.3955634
5170000000	2.251474735	0.261799388	0.403629634	2.481405152	2.909339788	3.26001342	1.0475662	1.3306697	1.3978707	1.4554613	8.3203274
5170000000	2.251474735	0.314159265	0.791406559	2.58753164	2.343163712	3.262597914	1.0953939	1.3470279	1.3095689	1.4558945	8.3127781
5170000000	2.251474735	0.366519143	1.086054175	2.841263885	1.671514237	3.235131627	1.1331899	1.3869576	1.212204	1.4512979	8.2721127
5170000000	2.251474735	0.41887902	1.20589474	3.001974096	1.079088878	3.078526766	1.1489331	1.4128586	1.1322816	1.4253658	8.1638477
5170000000	2.251474735	0.471238898	1.12033715	2.844374616	0.698465539	2.792576592	1.1376714	1.3874454	1.0837331	1.379205	7.9380404
5170000000	2.251474735	0.523598776	0.884625508	2.308723375	0.478365587	2.542529805	1.1072133	1.3044762	1.0566187	1.3296168	7.6004691
5170000000	2.251474735	0.575958653	0.665321621	1.530197965	0.238481083	2.209675171	1.079608	1.1926414	1.0278365	1.2896853	7.215221
5170000000	2.251474735	0.628318531	0.682792985	0.782274914	-1.374518088	1.975518088	1.0817817	1.0942429	0.9846024	1.255382	6.8799992
5170000000	2.251474735	0.680678408	0.976532716	0.266744105	-0.554496934	1.677426383	1.1189911	1.0311865	0.9381562	1.2130299	6.6515223
5170000000	2.251474735	0.730382826	1.282194495	-0.084522864	-0.766723989	1.251471384	1.1590702	0.9903161	0.9155115	1.1549776	6.4853927
5170000000	2.251474735	0.785398163	1.270455458	-0.480980516	-0.611074328	0.708084639	1.1575047	0.9461304	0.9320652	1.0849363	6.2786683
5170000000	2.251474735	0.837575801	0.799687215	-1.03496081	-0.223102517	0.106458737	1.0964387	0.8876709	0.9746414	1.0123319	5.9575792
5170000000	2.251474735	0.890117919	-0.000419802	-1.710427427	0.156552673	-0.47591928	0.9999517	0.8212561	1.0181872	0.9466818	5.5431885
5170000000	2.251474735	0.942477796	-0.790360197	-2.410207295	0.40914662	-0.945025754	0.9130236	0.7576866	1.0482318	0.8969097	5.1436123
5170000000	2.251474735	0.994837674	-1.30597693	-3.066246198	0.5313637	-1.237507638	0.8604015	0.7025669	1.0633058	0.8672107	4.8445775
5170000000	2.251474735	1.047197551	-1.569078725	-3.62824569	0.54966256	-1.452023687	0.8347301	0.6585484	1.0653275	0.8460554	4.6208786
5170000000	2.251474735	1.099557429	-1.682268731	-3.994764813	0.45159372	-1.859927223	0.8239229	0.6313378	1.0536781	0.8072418	4.3921365
5170000000	2.251474735	1.151971306	-1.657008791	-4.060337789	0.234878267	-2.716909357	0.8263225	0.6258951	1.0274103	0.7313993	4.1141578
5170000000	2.251474735	1.204277184	-1.503903576	-3.86102642	-0.096183082	-4.068131519	0.8410171	0.6411338	0.9889876	0.6260275	3.7986898
5170000000	2.251474735	1.256637061	-1.368678661	-3.558774246	-0.50421522	-5.555162357	0.8542128	0.6638367	0.9436028	0.575236	3.4904297
5170000000	2.251474735	1.308996939	-1.502963357	-3.278626919	-0.961036973	-6.439198434	0.8411081	0.6855966	0.8952579	0.476475	3.2226791
5170000000	2.251474735	1.361356817	-2.037453456	-3.032935189	-1.470312556	-6.643277778	0.7909105	0.7052665	0.8442759	0.4654104	2.9407301
5170000000	2.251474735	1.413716694	-2.765776119	-2.76441463	-2.065551878	-7.129072001	0.727296	0.72741	0.7883561	0.440095	2.5523218
5170000000	2.251474735	1.466076572	-3.216481276	-2.436627339	-2.789988167	-8.737556162	0.6905195	0.7553855	0.7252715	0.3656977	2.0653784
5170000000	2.251474735	1.518436449	-3.181618353	-2.105278641	-3.678729167	-11.82720696	0.6932966	0.7847586	0.654732	0.2562357	1.5348062
5170000000	2.251474735	1.570796327	-2.962934463	-1.908439035	-4.745234837	-15.58994051	0.7109733	0.8027458	0.5790796	0.166151	1.0575312
5170000000	2.251474735	1.623156204	-2.928754014	-1.991870784	-5.950313162	-16.60191489	0.7137766	0.795072	0.5040624	0.1478782	0.6716484
5170000000	2.251474735	1.675516082	-3.13928802	-2.437088386	-7.122736559	-15.86028232	0.6966836	0.7553454	0.4404147	0.1610593	0.2293071
5170000000	2.251474735	1.72787596	-3.233591848	-3.203799267	-7.895142501	-14.6605863	0.6891605	0.6915284	0.4029423	0.1849144	-0.13769
5170000000	2.251474735	1.780235837	-2.856496574	-4.069574569	-7.122826784	-11.28265784	0.7197392	0.6259235	0.3998443	0.1728143	0.0792063
5170000000	2.251474735	1.832595715	-2.319364828	-4.664826142	-5.327376551	-7.730348632	0.7656526	0.5844652	0.4205443	0.4106602	0.5737967
5170000000	2.251474735	1.884955592									

5170000000	2.303834613	-1.72787596	-3.664725519	-6.488350436	-3.090527195	-2.522939073	0.6557884	0.4737863	0.7006057	0.7479164	2.2053842
5170000000	2.303834613	-1.675516082	-3.714430387	-4.49916514	-2.880812334	-2.696660696	0.6520464	0.5957194	0.7177272	0.7331063	2.602168
5170000000	2.303834613	-1.623156204	-4.686548901	-2.739229262	-2.830546554	-3.43300488	0.5830054	0.2975222	0.7218927	0.6735189	2.6321783
5170000000	2.303834613	-1.570796327	-5.220598597	-1.289387102	-2.884082657	-4.292416052	0.5482392	0.8620464	0.717457	0.6100693	2.7274722
5170000000	2.303834613	-1.518436449	-4.090173728	-0.189557871	-2.930925068	-4.56263362	0.6244409	0.9784128	0.7135982	0.5913823	3.2507926
5170000000	2.303834613	-1.466076572	-2.403546639	0.568206114	-2.919564668	-4.15306075	0.7582679	1.0676043	0.7145321	0.6199362	3.9740775
5170000000	2.303834613	-1.413716694	-1.195434185	1.040709366	-2.880391096	-3.719862748	0.8714215	1.1272895	0.717762	0.6516387	4.5271299
5170000000	2.303834613	-1.361356817	-0.520438177	1.331802827	-2.832054684	-3.661623371	0.9418421	1.165709	0.7217674	0.6560226	4.8243059
5170000000	2.303834613	-1.308996939	-0.062318641	1.562269094	-2.721202272	-3.892797891	0.929851	1.1970532	0.7310379	0.6387929	5.0077535
5170000000	2.303834613	-1.256637061	0.422448932	1.793619423	-2.474136903	-4.09168547	1.0498384	1.2293654	0.7521304	0.6243322	5.2387311
5170000000	2.303834613	-1.204277184	0.848459218	1.976617552	-2.068697407	-4.025634527	1.1026126	1.2555409	0.786421	0.629098	5.5146844
5170000000	2.303834613	-1.151917306	1.036207825	2.004560087	-1.643267498	-3.831535163	1.1267054	1.2595865	0.8276308	0.6433144	5.7049627
5170000000	2.303834613	-1.095557429	1.09650169	1.815901128	-1.243674287	-3.858757735	1.1345538	1.2325231	0.8665952	0.6413013	5.7447745
5170000000	2.303834613	-1.047197551	1.447329477	1.452600615	-0.911198804	-4.257903725	1.1813171	1.1820342	0.9004095	0.6124982	5.7476556
5170000000	2.303834613	-0.994837674	2.260901665	1.040638728	-0.545598606	-4.812549808	1.2973139	1.1272803	0.9391178	0.5746091	5.8856227
5170000000	2.303834613	-0.942477796	3.121329818	0.691790375	0.004188935	-5.126429248	1.4324072	1.0829029	1.0004824	0.5542153	6.1713049
5170000000	2.303834613	-0.890117919	3.540140748	0.423140343	0.764213367	-5.01778048	1.5031663	1.049922	1.0919699	0.5611914	6.4573008
5170000000	2.303834613	-0.837758041	3.332409699	0.241900623	1.570412542	-4.589983261	1.4676432	1.0282413	1.198176	0.5895231	6.615545
5170000000	2.303834613	-0.785398163	2.656140478	0.29299462	2.100844287	-3.980444287	1.35771	1.0343076	1.2883801	0.6323795	6.6745046
5170000000	2.303834613	-0.730382886	2.001746788	0.750700576	2.508521	-3.199619934	1.2591786	1.0902724	1.3348303	0.6918612	6.8011293
5170000000	2.303834613	-0.680678408	1.846947293	1.502406497	2.468356438	-2.147257071	1.2369364	1.1888316	1.3286721	0.780975	7.1117409
5170000000	2.303834613	-0.628318531	2.093827759	2.196740915	2.192337122	-0.863794761	1.2725984	1.2877663	1.2871136	0.905337	7.5184189
5170000000	2.303834613	-0.575958653	2.36019756	2.564503704	1.908061791	0.320223154	1.3122297	1.3434614	1.2456702	1.0387503	7.8541352
5170000000	2.303834613	-0.523598776	2.515894647	2.538701805	1.830105705	1.087074869	1.3359639	1.3394765	1.2345403	1.1333231	8.0337028
5170000000	2.303834613	-0.471238898	2.609513544	2.220481247	1.990520754	1.265714044	1.3504412	1.2912908	1.2757117	1.156873	8.055742
5170000000	2.303834613	-0.41887902	2.583858579	1.808891401	2.259997064	0.984452268	1.3464584	1.2315288	1.2971789	1.1200118	7.9504193
5170000000	2.303834613	-0.366519143	2.266615612	1.491220016	2.15547078	0.612870874	1.2981676	1.1873015	1.3359105	1.0731083	7.7735452
5170000000	2.303834613	-0.314159265	1.620640325	1.350667128	2.704896935	1.062673801	1.2051248	1.1682435	1.3635527	1.0718492	7.6233311
5170000000	2.303834613	-0.261799388	0.92000469	1.3883418	2.799128734	1.066808199	1.1117323	1.1732317	1.3802458	1.1306818	7.5969503
5170000000	2.303834613	-0.20943951	0.553444887	1.581914845	2.743259909	1.679196691	1.0657915	1.1997638	1.3713964	1.2132766	7.6946436
5170000000	2.303834613	-0.157079633	0.502597866	1.874853556	2.93166904	2.09768298	1.0595706	1.2409168	1.3324728	1.2731634	7.7941698
5170000000	2.303834613	-0.104719755	0.390994176	2.169214005	2.124886066	2.250900452	1.0460434	1.2836916	1.277157	1.295821	7.7881297
5170000000	2.303834613	-0.052359878	0.010898523	2.385714858	1.891951065	2.329045516	1.0012555	1.3160905	1.2433619	1.3075318	7.7268392
5170000000	2.303834613	-4.44e-16	-0.493607528	2.518695204	2.083146602	2.560234097	0.9447559	1.3363947	1.2644665	1.3428012	7.7627674
5170000000	2.303834613	0.052359878	-0.793018015	2.610333564	2.49582118	2.925618591	0.9127442	1.3505687	1.32288	1.400493	7.9530411
5170000000	2.303834613	0.104719755	-0.729713623	2.668186864	2.97721162	3.208283451	0.9194208	1.3595943	1.4088365	1.4468189	8.1896516
5170000000	2.303834613	0.157079633	-0.430377808	2.643791255	3.263564336	3.273585835	0.9516585	1.3557811	1.4560565	1.4457374	8.3348622
5170000000	2.303834613	0.20943951	-0.05036535	2.529330073	3.70416933	3.188703262	0.9942183	1.338032	1.4572057	1.4435611	8.354443
5170000000	2.303834613	0.261799388	0.356052601	2.447192873	2.991765157	3.128016865	1.0418438	1.3254387	1.411199	1.4335104	8.3194747
5170000000	2.303834613	0.314159265	0.76649043	2.550089673	2.473855531	3.160502257	1.0922562	1.3412338	1.3295136	1.4388818	8.3160502
5170000000	2.303834613	0.366519143	1.124235084	2.785988473	1.827666458	3.167447226	1.1381821	1.3781593	1.2341937	1.4400327	8.2836975
5170000000	2.303834613	0.41887902	1.33810316	2.899278795	1.122143475	3.007574149	1.1665548	1.3962524	1.1509905	1.4317698	8.1776279
5170000000	2.303834613	0.471238898	1.3205687	2.669844442	0.792866731	2.675399357	1.1642023	1.3598538	1.0955781	1.3607238	7.9246112
5170000000	2.303834613	0.523598776	1.050870213	2.064608616	0.534497022	2.284570531	1.128609	1.2683246	1.063469	1.3008539	7.5338318
5170000000	2.303834613	0.575958653	0.662794861	1.265996833	0.315259387	1.923289641	1.079294	1.1569107	1.0369623	1.247856	7.0841344
5170000000	2.303834613	0.628318531	0.455459706	0.868638521	0.034741123	1.551278694	1.0538359	1.0698969	1.0040077	1.1955395	6.6956674
5170000000	2.303834613	0.680678408	0.611048707	0.197690609	-0.255299372	1.072708303	1.0728832	1.0230114	0.9710353	1.1314501	6.4410351
5170000000	2.303834613	0.730382886	-0.044256109	-0.372575514	0.46743915	0.46743915	1.1090757	0.9949178	0.9580126	1.0552903	6.2716427
5170000000	2.303834613	0.785398163	0.933824483	-0.368898875	-0.197066105	-0.183375028	1.1135026	0.9584182	0.9775674	0.9791095	6.0824779
5170000000	2.303834613	0.837758041	0.539292646	-0.858455795	-0.17036104	-0.78036104	1.0640564	0.9058936	1.020607	0.9140752	5.8110027
5170000000	2.303834613	0.890117919	-0.168834671	-1.450291122	0.562546002	-1.281465493	0.9807499	0.8462224	1.0669088	0.862833	5.475567
5170000000	2.303834613	0.942477796	-0.890717908	-2.056033496	0.924024297	-1.683548067	0.9025351	0.7892204	1.1027072	0.8238015	5.1494058
5170000000	2.303834613	0.994837674	-1.399013005	-2.642899662	1.019717107	-2.009895172	0.8512348	0.7376579	1.1245683	0.7934238	4.8778033
5170000000	2.303834613	1.047197551	-1.697107508	-3.192514092	1.085741798	-2.383803386	0.825165	0.6924275	1.1331492	0.7599934	4.6296125
5170000000	2.303834613	1.099557429	-1.878514951	-3.62345267	1.047373323	-3.019995749	0.8055162	0.6589119	1.1281547	0.7063179	4.3467849
5170000000	2.303834613	1.151917306	-1.979603034	-3.833258765	0.893452642	-4.031551194	0.7961957	0.6431867	1.108339	0.6266696	4.0180794
5170000000	2.303834613	1.204277184	-2.001490319	-3.828198686	0.614484498	-5.181650965	0.794192	0.6435615	1.0733077	0.550703	3.6988347
5170000000	2.303834613	1.256637061	-2.042708983	-3.726982931	0.200843943	-5.886015166	0.7904321	0.6511047	1.0243001	0.5078077	3.4451817
5170000000	2.303834613	1.308996939	-2.311074169	-3.6286256	-0.316545187	-5.988087944	0.7663838	0.6585196	0.9642125	0.501875	3.2003345
5170000000	2.303834613	1.361356817	-2.879972502	-3.532823446	-0.94178901	-6.199986989	0.7177966	0.6582321	0.897244	0.4897796	2.8310119
5170000000	2.303834613	1.413716694	-3.480984623	-3.370475678	-1.646014059	-7.312458111	0.6698087	0.678385	0.8273691	0.4309006	2.3004325
5170000000	2.303834613	1.466076572	-3.726084655	-3.099092692	-2.43095574	-7.84955538	0.6511721	0.6999151	0.7558789	0.3241546	1.6995305
5170000000	2.303834613	1.518436449	-3.620299622	-2.783234275	-3.344038128	-7.127645754	0.6591512	0.7258356	0.6804529	0.2168588	1.1468492
5170000000	2.303834613	1.570796327	-3.479556042	-2.5765042	-1.45578262	-7.1455278262	0.6699188	0.7433182	0.5978499	0.1872737	0.8211815
5170000000	2.303834613	1.623156204	-3.489612122	-2.633411335	-5.85837253	-12.85695901	0.6691437	0.7384872	0.5094263	0.2275894	0.6065147
5170000000	2.303834613	1.675516082	-3.515165429	-3.032377265	-7.396280565	-11.1083163	0.667178	0.7052387	0.4267622	0.2783455	0.3303229
5170000000	2.303834613	1.72787596	-3.215297677	-3.728828975	-8.590614378	-9.150652441	0.6906136	0.6509664	0.3719369	0.3487124	0.2661389
5170000000	2.303834613	1.780235837	-								

5170000000	2.35619449	-1.832595715	-6.871645116	-8.758023734	-3.645479151	-3.926245871	0.45333334	0.3648369	0.6572431	0.63633378	0.4722553
5170000000	2.35619449	-1.780235837	-4.78879656	-8.219092043	-3.350429148	-3.465816386	0.5761826	0.3881909	0.6799524	0.6709794	1.2715659
5170000000	2.35619449	-1.72787596	-4.043989676	-6.85904543	-3.034082498	-3.579146953	0.6277669	0.4539915	0.7051733	0.6622815	1.759943
5170000000	2.35619449	-1.675516082	-4.479084796	-5.102929971	-2.826914507	-4.357826279	0.5970982	0.5557168	0.7221947	0.6054924	1.8701918
5170000000	2.35619449	-1.623156204	-5.290170575	-3.294190977	-2.779448832	-5.361188323	0.5438655	0.6843692	0.726152	0.6394368	1.9167143
5170000000	2.35619449	-1.570796327	-4.921197197	-1.692193259	-2.833972081	-5.667776893	0.5674664	0.6228282	0.7216081	0.5207283	2.3877072
5170000000	2.35619449	-1.518436449	-3.342216043	-0.442998986	-2.88502887	-4.991391573	0.6805957	0.9502766	0.7173788	0.5628989	3.260692
5170000000	2.35619449	-1.466076572	-1.856014553	0.414482705	-2.882135867	-4.1452987	0.8076055	1.048876	0.7176178	0.6204904	4.0677019
5170000000	2.35619449	-1.413716694	-0.915421518	0.924315283	-2.844602504	-3.744475404	0.8999718	1.1122842	0.7027255	0.6497948	4.5646857
5170000000	2.35619449	-1.361356817	-0.373676585	1.200104211	-2.777081616	-3.829167466	0.9578912	1.1481674	0.72635	0.6343897	4.8007412
5170000000	2.35619449	-1.308996939	0.066281974	1.389171563	-2.624961696	-4.082198154	1.0076602	1.1734338	0.7391829	0.6250145	4.9724387
5170000000	2.35619449	-1.256637061	0.555380548	1.581593235	-2.352525093	-4.104831724	1.066029	1.1997193	0.7651362	0.623388	5.2354187
5170000000	2.35619449	-1.204277184	0.994105136	1.736376821	-1.877444236	-3.823974046	1.1212572	1.2212901	0.8056155	0.6438746	5.5568523
5170000000	2.35619449	-1.151917306	1.297057258	1.731377193	-1.355305388	-3.598610534	1.1610552	1.2205873	0.855529	0.6607991	5.7961714
5170000000	2.35619449	-1.09557429	1.629799639	1.484538273	-0.851049412	-3.834282554	1.2063963	1.1863885	0.9066664	0.6431109	5.8949708
5170000000	2.35619449	-1.047197551	2.244267307	1.031910813	-0.396700566	-4.649601307	1.2948318	1.1261482	0.9553554	0.5854906	5.9373081
5170000000	2.35619449	-0.994837674	3.076431697	0.517358435	0.07358435	-5.713272754	1.4250221	1.0613727	1.0085076	0.5180079	6.0485889
5170000000	2.35619449	-0.942477796	3.758177922	0.075316595	0.660994731	-6.266702328	1.5413774	1.0087088	1.0790703	0.486032	6.267195
5170000000	2.35619449	-0.890117919	3.972050677	-0.289019486	1.368168739	-5.864396392	1.5798015	0.9672729	1.1705998	0.5090731	6.4995529
5170000000	2.35619449	-0.837758041	3.623636486	-0.601880526	2.052850238	-4.934614092	1.5176856	0.9330253	1.2666088	0.5656905	6.6162621
5170000000	2.35619449	-0.785398163	2.888667196	-0.689979143	2.528971219	-4.00294779	1.3945477	0.9236364	1.3376604	0.6307432	6.6216343
5170000000	2.35619449	-0.733038286	2.224164449	-0.259766243	2.669580444	-3.185123452	1.2918385	0.9705361	1.3598125	0.6930169	6.6794266
5170000000	2.35619449	-0.680678408	2.058967591	0.621947074	-2.48788559	-2.307910354	1.2675012	1.0742302	1.3316628	0.766663	6.9271714
5170000000	2.35619449	-0.628318531	2.299262581	1.517259064	-2.145054821	-1.252491775	1.3030561	1.1908662	1.2801261	0.8657159	7.3093185
5170000000	2.35619449	-0.575958653	2.570187798	2.086455017	1.911019279	-0.201736979	1.3443408	1.2751187	1.2460945	0.9770418	7.6745005
5170000000	2.35619449	-0.523598776	2.701137038	2.244305995	1.960189038	-0.45335619	1.3647618	1.2948376	1.2531684	1.0634493	7.9173865
5170000000	2.35619449	-0.471238898	2.70683815	2.082484899	2.21733889	0.793179558	1.3655679	1.2709377	1.2908237	1.0956175	7.9987273
5170000000	2.35619449	-0.41887902	2.561924185	1.772395234	1.69819999	0.65361745	1.3430625	1.226365	1.3332405	1.0781542	7.9254208
5170000000	2.35619449	-0.366519143	2.161317301	1.473814756	2.697843647	-0.434696652	1.2825251	1.1849247	1.3642444	1.0513198	7.7531593
5170000000	2.35619449	-0.314159265	1.508287596	1.28916311	2.804730079	0.546996122	1.1896368	1.1600004	1.3811362	1.0650005	7.5965741
5170000000	2.35619449	-0.261799388	0.860965658	1.285052008	2.819484631	1.097983778	1.1042014	1.1594515	1.3834843	1.1347474	7.5713819
5170000000	2.35619449	-0.20943951	0.536429298	1.488214883	2.703791638	1.766200093	1.0637056	1.1868907	1.3651789	1.2254907	7.678579
5170000000	2.35619449	-0.157079633	0.481962046	1.82978063	2.425771228	2.203759196	1.0570563	1.2344941	1.3221738	1.2888072	7.7878079
5170000000	2.35619449	-0.104719755	0.361108105	2.167199615	2.069328562	2.335557058	1.0424504	1.2833939	1.269014	1.3085124	7.7892948
5170000000	2.35619449	-0.052359878	-0.006627593	2.396293184	1.972939739	2.366273639	0.9992373	1.3176943	1.2406434	1.313148	7.7312687
5170000000	2.35619449	-4.44e-16	-0.493607648	2.518694905	2.038146441	2.560234218	0.9447559	1.3363947	1.2644665	1.3428012	7.7627672
5170000000	2.35619449	0.052359878	-0.800158501	2.597391816	2.482146953	2.913575813	0.9119942	1.3485579	1.3307833	1.3985526	7.9412166
5170000000	2.35619449	0.104719755	-0.763762726	2.650169057	2.947089178	3.182047996	0.9158237	1.3567769	1.4039591	1.4424554	8.1631284
5170000000	2.35619449	0.051709633	-0.483827585	2.62270016	3.240505218	3.208448751	0.9458203	1.3524299	1.4522036	1.448464	8.2950615
5170000000	2.35619449	0.20943951	-0.110711089	2.500880839	3.80065487	3.077827957	0.9873348	1.3336567	1.4588253	1.4252511	8.307928
5170000000	2.35619449	0.261799388	0.296601305	2.409417379	3.7407809261	3.008313392	1.0347372	1.3196868	1.4203339	1.4138902	8.2804844
5170000000	2.35619449	0.314159265	0.728971089	2.500880493	3.276479476	3.072562944	1.0875483	1.3336566	1.345315	1.4243875	8.2842657
5170000000	2.35619449	0.366519143	1.150708788	2.711695005	3.963591338	3.097662124	1.1416565	1.3664217	1.2536594	1.4285094	8.2831066
5170000000	2.35619449	0.41887902	1.463479904	2.778414523	3.163355646	2.897964504	1.1834976	1.3769581	1.1699513	1.3960412	8.1757316
5170000000	2.35619449	0.471238898	1.531965152	2.490069587	0.915337863	2.469235872	1.1928841	1.3319777	1.1113352	1.3288067	7.8974766
5170000000	2.35619449	0.523598776	1.841601938	1.846112896	0.649112896	1.956576184	1.1575415	1.2361157	1.0775952	1.2526473	7.4655232
5170000000	2.35619449	0.575958653	0.761694158	1.059141797	0.482740155	1.470472999	1.0916532	1.1296843	1.057151	1.1844689	6.9718548
5170000000	2.35619449	0.628318531	0.32177161	0.476940991	0.332345403	0.959639992	1.0377401	1.0564454	1.0390041	1.116817	6.547192
5170000000	2.35619449	0.680678408	0.260933676	0.215516278	0.210554539	0.318787576	1.0304969	1.0251226	1.0245372	1.0373836	6.2721572
5170000000	2.35619449	0.733038286	0.445816047	0.073284877	0.213647445	-0.434596694	1.0526665	1.0084729	1.0249021	0.951196	6.1010861
5170000000	2.35619449	0.785398163	0.467823509	-0.174594642	0.399277693	-1.143652535	1.055337	0.9800997	1.0470415	0.8766321	5.9133522
5170000000	2.35619449	0.837758041	0.111948665	-0.575415545	0.700299873	-1.667663221	1.012972	0.9358995	1.0839643	0.8253095	5.7069717
5170000000	2.35619449	0.890117919	-0.529968377	-1.053088834	0.992048913	-2.001821543	0.9408093	0.8858202	1.1209918	0.7941617	5.4409718
5170000000	2.35619449	0.942477796	-1.193622727	-1.542747351	1.19514548	-2.209943574	0.8716033	0.8372904	1.1475133	0.775359	5.1817575
5170000000	2.35619449	0.994837674	-1.68356375	-2.046278383	1.294623058	-2.365531458	0.8238	0.7901073	1.1607298	0.7615938	4.9502128
5170000000	2.35619449	1.047197551	-2.012749816	-2.568457617	1.305114959	-2.597889296	0.7931631	0.7440072	1.1621328	0.7144904	4.7125722
5170000000	2.35619449	1.099557429	-2.298545522	-3.041681553	1.239232454	-3.049870403	0.76749	0.7045567	1.1533513	0.7038927	4.4263445
5170000000	2.35619449	1.151917306	-2.596062167	-3.36861197	1.093739326	-3.698832036	0.7416464	0.6785305	1.134193	0.6532184	4.1029726
5170000000	2.35619449	1.204277184	-2.864284966	-3.534620866	0.8473165	-4.268652747	0.7190941	0.6656853	1.1024676	0.6117407	3.8037971
5170000000	2.35619449	1.2565637061	-3.124814577	-3.625206843	0.470685822	-4.53676654	0.6978455	0.6587789	1.0556849	0.5931461	3.5376055
5170000000	2.35619449	1.308996939	-3.523051957	-3.720284566	-0.049112752	-4.754245908	0.6665725	0.6516071	0.9943616	0.5784791	3.2004232
5170000000	2.35619449	1.361356817	-4.056729164	-3.807535561	-0.685619324	-5.443565236	0.6268499	0.6450943	0.9241001	0.534345	2.7038916
5170000000	2.35619449	1.413716694	-4.417517029	-3.796633057	-1.380096626	-6.995568745	0.6013456	0.6459046	0.8530906	0.4469115	2.1008394
5170000000	2.35619449	1.466076572	-4.394740637	-3.624547306	-2.095277591	-9.352775911	0.6029246	0.6528489	0.7856623	0.3406914	1.5404765
5170000000	2.35619449	1.518436449	-4.200007796	-3.358060934	-2.880031037	-11.23761251	0.6165944	0.6793553	0.7177917	0.2742328	1.1684227
5170000000	2.35619449	1.570796327	-4.078718992	-3.172040331	-3.874659281	-11.1963964	0.6256249	0.6940615	0.6401283	0.2755372	0.9649192
5170000000	2.35619449	1.623156204	-4.00004267	-3.240739314	-5.24161001	-10.43884768	0.6309542	0.6885937	0.5469146	0.3006475	0.6970193
5170000000	2.35619449	1.675516082	-3.708221584	-3.6511142	-7.032619234						

5170000000	2.408554368	-1.93731547	-9.378299345	-5.971823499	-3.869373583	-4.859325071	0.3396918	0.5028157	0.640518	0.571523	0.233728
5170000000	2.408554368	-1.884955592	-8.260051114	-6.467450647	-3.857188907	-4.596755465	0.3863647	0.4749277	0.6414171	0.5890637	0.3896918
5170000000	2.408554368	-1.832595715	-6.230627388	-6.672740585	-3.650732613	-4.077593681	0.4880548	0.4638344	0.6568457	0.6253459	0.961378
5170000000	2.408554368	-1.780235837	-5.073468738	-6.413627618	-3.300382272	-3.946122774	0.5576049	0.4778397	0.6838815	0.6348832	1.1644695
5170000000	2.408554368	-1.72787596	-5.036834436	-5.787897582	-2.930930248	-4.2669869231	0.5599616	0.5135765	0.7135978	0.597732	1.4266986
5170000000	2.408554368	-1.675516082	-5.670852516	-4.813541838	-2.664892342	-5.391820108	0.5205439	0.5754535	0.7357925	0.5375378	1.4685661
5170000000	2.408554368	-1.623156204	-5.641164935	-3.519146066	-2.54899368	-5.882497529	0.5223261	0.6668723	0.7456762	0.5080133	1.7374174
5170000000	2.408554368	-1.570796327	-4.207782827	-2.135564084	-2.53380024	-5.405054325	0.6160428	0.7820271	0.7469817	0.5367194	2.5478338
5170000000	2.408554368	-1.518436449	-2.54261311	-0.942829542	-2.531763007	-4.526934171	0.7462242	0.8971365	0.747157	0.5381979	3.4763533
5170000000	2.408554368	-1.466076572	-1.395525108	-0.096971272	-2.500622336	-3.886505459	0.8517566	0.9888799	0.7498405	0.6392559	4.1622965
5170000000	2.408554368	-1.413716694	-0.732683787	0.390806324	-2.447327348	-3.663350332	0.9191064	1.0460208	0.7544555	0.6558922	4.5460979
5170000000	2.408554368	-1.361356817	-0.287801594	0.628333732	-2.360933083	-3.733298462	0.9674085	1.0750204	0.7619971	0.6506315	4.7485058
5170000000	2.408554368	-1.308996939	0.168426378	0.790482181	-2.186297769	-3.813511659	1.01958	1.0952774	0.7774726	0.6446506	4.9520538
5170000000	2.408554368	-1.256637061	0.680459097	0.998451224	-1.868225113	-3.693433067	1.0814911	1.1218184	0.806471	0.6536245	5.2570988
5170000000	2.408554368	-1.204277184	1.163745742	1.209767287	-1.404913088	-3.477304517	1.1433713	1.1494454	0.8506567	0.6700925	5.6060255
5170000000	2.408554368	-1.151917306	1.619497861	1.271964987	-0.86086613	-3.515354163	1.2049663	1.1577059	0.9056423	0.6671635	5.8793949
5170000000	2.408554368	-1.095557429	2.18379781	1.076351867	-0.326172437	-4.131715145	1.2858488	1.1319248	0.9631443	0.6214615	6.0257653
5170000000	2.408554368	-1.047197551	2.915922444	0.652935658	-0.155288015	-4.858505548	1.3989304	1.0780896	1.018039	0.5366702	6.089184
5170000000	2.408554368	-0.994837674	3.646673824	0.55123597	0.625847644	-6.466168921	1.5217163	1.0180197	1.0747127	0.4536193	6.1671642
5170000000	2.408554368	-0.942747796	4.110954259	-0.283488482	1.164748095	-7.287701859	1.6052686	0.967889	1.1435033	0.4321305	6.3378321
5170000000	2.408554368	-0.890117919	4.12651182	-0.695243779	1.773806787	-6.266242019	1.6081464	0.9230767	1.2265644	0.4860578	6.534591
5170000000	2.408554368	-0.837758041	3.673183491	-1.162766554	2.321999099	-4.894909085	1.5263677	0.8747051	1.3075551	0.5691864	6.6038388
5170000000	2.408554368	-0.785398163	2.947446444	-1.509068727	2.662266919	-3.841226874	1.4040169	0.8405171	1.358668	0.6245969	6.5385885
5170000000	2.408554368	-0.733038286	2.364200755	-1.273882775	2.672332457	-3.106584078	1.3128347	0.8635865	1.3602434	0.6993117	6.5184076
5170000000	2.408554368	-0.680678408	2.264586215	-0.366312825	2.402731185	-2.438618623	1.2978644	0.9587036	1.3186714	0.552123	6.7100064
5170000000	2.408554368	-0.628318531	2.527737702	0.697569861	2.070111508	-1.637958343	1.3377867	1.0836237	1.2691284	0.821368	7.0796235
5170000000	2.408554368	-0.575958653	2.797718746	1.467811332	1.958292837	-0.7670694	1.3800218	1.1816106	1.2528949	0.9154751	7.4812083
5170000000	2.408554368	-0.523598776	2.89047636	1.255500081	2.15363963	-0.065257908	1.3948382	1.2338859	1.2813919	0.9925151	7.7879843
5170000000	2.408554368	-0.471238898	2.803375202	1.851114678	2.479059908	0.292548916	1.3809208	1.23753	1.3303104	1.032456	7.9292453
5170000000	2.408554368	-0.41887902	2.54062948	1.685749322	2.736813482	0.328539016	1.3397738	1.2141923	1.3703789	1.0385489	7.8940999
5170000000	2.408554368	-0.366519143	2.05789035	1.450864895	2.861819315	0.288333392	1.267344	1.181798	1.3902438	1.037527	7.7355752
5170000000	2.408554368	-0.314159265	1.397560125	1.250225321	2.881722542	0.526462205	1.1745676	1.1548119	1.3934331	1.0624857	7.5775805
5170000000	2.408554368	-0.261799388	0.800106821	1.208278229	2.820148292	1.149855273	1.0964917	1.1429484	1.38359	1.1415443	7.5513597
5170000000	2.408554368	-0.20943951	0.513380685	1.412705652	2.650510664	1.85937093	1.0608868	1.1766174	1.3568303	1.2387069	7.6638104
5170000000	2.408554368	-0.157079633	0.455503002	1.794582368	2.351028425	2.309732001	1.0538411	1.2295017	1.3108452	1.3046277	7.7182222
5170000000	2.408554368	-0.104719755	0.327771507	2.169412848	2.011989898	2.491923506	1.0384571	1.283721	1.2606644	1.321284	7.7906334
5170000000	2.408554368	-0.052359878	-0.025573907	2.407942632	1.854445797	2.404044428	0.99706	1.3194627	1.2380047	1.3188707	7.763038
5170000000	2.408554368	-4.44E-16	-0.493607439	2.518694869	2.038146615	2.560234503	0.9447559	1.3363947	1.2644665	1.3428012	7.7627674
5170000000	2.408554368	0.052359878	-0.806562305	2.584730258	2.467198461	2.900962291	0.9113221	1.3465935	1.328495	1.3965231	7.9291021
5170000000	2.408554368	0.104719755	-0.798722882	2.633081529	2.912293094	3.155611993	0.9121449	1.3541104	1.398346	1.4380719	8.1353553
5170000000	2.408554368	0.157079633	-0.542230929	2.60264183	3.206217416	3.145177973	0.939482	1.3493732	1.4464748	1.4363454	8.5220253
5170000000	2.408554368	0.20943951	-0.180001011	2.471804209	3.269863729	2.973835755	0.9794899	1.3291996	1.4571128	1.408289	8.52560819
5170000000	2.408554368	0.261799388	0.225382465	2.365543587	3.067700353	2.902596182	1.0262877	1.3130377	1.4250661	1.3967858	8.2343576
5170000000	2.408554368	0.314159265	0.676905276	2.437024508	2.64947628	2.998100573	1.0810487	1.3238879	1.3566687	1.4122287	8.25565
5170000000	2.408554368	0.366519143	1.158843519	2.671966933	2.495315893	3.023477113	1.1427262	1.3517561	1.2698981	1.4163607	8.2672227
5170000000	2.408554368	0.41887902	1.56863481	2.644107714	2.073576132	2.749983108	1.1979308	1.3558805	1.1879189	1.3724583	8.1548498
5170000000	2.408554368	0.471238898	1.73606819	2.315774823	1.048586369	2.184250597	1.2214627	1.3055357	1.1283123	1.2895158	7.8557156
5170000000	2.408554368	0.523598776	1.528270343	1.635158994	0.955552124	2.515184648	1.1923768	1.209645	1.0956578	1.1919533	7.4021771
5170000000	2.408554368	0.575958653	0.978056969	0.913601245	0.696671169	0.92969168	1.1191875	1.110913	1.0835116	1.1129729	6.9007762
5170000000	2.408554368	0.628318531	0.371503139	0.428709208	0.695555214	0.330922978	1.0436987	1.0505953	1.0833724	1.038834	6.478443
5170000000	2.408554368	0.680678408	0.080617028	0.263848726	0.975789295	-0.412754852	1.0093246	1.0308248	1.0923944	0.9535913	6.2056292
5170000000	2.408554368	0.733038286	0.09785965	0.05566288	0.762781982	-1.265761984	1.0113302	1.021594	1.1126642	0.8643943	6.0422499
5170000000	2.408554368	0.785398163	0.054617759	-0.008208842	1.164804507	-1.994992244	1.0063079	0.9990554	1.1435107	0.9747863	5.89739
5170000000	2.408554368	0.837758041	-0.291490635	-0.33425405	1.415086803	-2.413043294	0.9669978	0.9622486	1.17694	0.7574393	5.7193011
5170000000	2.408554368	0.890117919	-0.887802821	-0.712962118	1.69708936	-2.552521543	0.9028381	0.9211957	1.2018588	0.7453735	5.5091434
5170000000	2.408554368	0.942477796	-1.516483949	-1.10294148	1.56208424	-2.536270484	0.8397999	0.8807506	1.2108887	0.7467693	5.2921268
5170000000	2.408554368	0.994837674	-2.015811363	-1.531043772	1.603817965	-2.481052639	0.7928836	0.8389393	1.202793	0.7515318	5.0706411
5170000000	2.408554368	1.047197551	-2.421786236	-2.010605752	1.443520077	-2.528063576	0.7566773	0.7933589	1.1807991	0.7474753	4.8067671
5170000000	2.408554368	1.099557429	-2.89003542	-2.478557033	1.21128284	-2.783337554	0.7169655	0.7517478	1.149646	0.725827	4.6520922
5170000000	2.408554368	1.151917306	-3.491179696	-2.839322415	0.92462239	-3.192540152	0.6690229	0.7211637	1.1123235	0.6924254	4.0686423
5170000000	2.408554368	1.204277184	-4.11927612	-3.068308372	0.569144703	-3.557195019	0.6223521	0.7024001	1.0677197	0.6639575	3.6836874
5170000000	2.408554368	1.256637061	-4.663261064	-3.237584994	0.104376634	-3.799897866	0.5845706	0.6888438	1.0120892	0.6456618	3.3202606
5170000000	2.408554368	1.308996939	-5.130783014	-3.424919373	-0.495103076	-4.138245065	0.5539376	0.6741461	0.9445933	0.6209945	2.9029067
5170000000	2.408554368	1.361356817	-5.40423266	-3.619040933	-1.191000184	-4.862538826	0.5367702	0.6592467	0.8718665	0.5713116	2.4088297
5170000000	2.408554368	1.413716694	-5.268395205	-3.771380678	-1.876796285	-6.041281187	0.5452306	0.6518249	0.8056756	0.4988109	1.9435561
5170000000	2.408554368	1.466076572	-4.871033384	-3.634364425	-2.461987869	-7.328489273	0.5707532	0.6580847	0.7531832	0.430106	1.6274037
5170000000	2.408554368	1.518436449	-4.546934852	-3.425762266	-2.994577889	-8.16994062	0.5942551	0.6740807	0.7083879	0.3903939	1.457178
5170000000	2.408554368	1.570796327									

5170000000	2.460914245	-2.042035225	-8.05134544	-6.533326068	-3.669398238	-4.65319064	0.3957608	0.4713393	0.6554357	0.5852487	0.4559243
5170000000	2.460914245	-1.989675347	-8.961196312	-6.020870913	-3.822295265	-5.13022317	0.356402	0.4999844	0.6439991	0.5539733	0.3239261
5170000000	2.460914245	-1.93731547	-8.566368786	-5.929161718	-3.938346828	-4.9341203	0.3729766	0.5052914	0.6354519	0.5666227	0.3420972
5170000000	2.460914245	-1.884955592	-6.892132547	-5.865870664	-3.894246832	-4.327164684	0.4522654	0.5089867	0.6386864	0.6076336	0.8576981
5170000000	2.460914245	-1.832595715	-5.672902123	-5.493023686	-3.654030283	-3.89748317	0.5204211	0.531311	0.6555964	0.6384485	1.3888364
5170000000	2.460914245	-1.780235837	-5.415039692	-4.879027918	-3.269204178	-3.947460918	0.5361027	0.5702281	0.6863408	0.6347854	1.682431
5170000000	2.460914245	-1.72787596	-5.811303747	-4.2466018	-2.85024796	-4.363564915	0.5121944	0.6132957	0.7202174	0.6050925	1.7655574
5170000000	2.460914245	-1.675516082	-5.83409533	-3.603655252	-2.510625972	-4.635527153	0.5108522	0.6604155	0.7489774	0.5864401	1.9613956
5170000000	2.460914245	-1.623156204	-4.585706782	-2.815182007	-2.29843077	-4.365340915	0.5898134	0.7231708	0.7675008	0.6049688	2.5597399
5170000000	2.460914245	-1.570796327	-2.876729764	-1.878138664	-2.184912615	-3.808736924	0.7180646	0.805551	0.7775958	0.6450051	3.3466934
5170000000	2.460914245	-1.518436449	-1.617188947	-0.980192417	-2.11407722	-3.342442348	0.8301194	0.8932857	0.784205	0.680578	4.0502787
5170000000	2.460914245	-1.466076572	-0.913213601	-0.320615611	-2.048152253	-3.050720151	0.9002006	0.9637607	0.7899369	0.7038239	4.5002951
5170000000	2.460914245	-1.413716694	-0.509626369	0.02394497	-1.988680985	-2.883257445	0.9430152	1.0027606	0.795364	0.7175251	4.7575699
5170000000	2.460914245	-1.361356817	-0.134137591	0.127031887	-1.90327953	-2.785796234	0.9846755	1.0147326	0.8032228	0.7256216	4.930593
5170000000	2.460914245	-1.308996939	0.326678424	0.173944047	-1.730588278	-2.711503441	1.0383265	1.0202279	0.8193521	0.7318546	5.1289694
5170000000	2.460914245	-1.256637061	0.843475656	0.324710033	-1.416773691	-2.663348153	1.1019802	1.0380912	0.849496	0.7359234	5.4030697
5170000000	2.460914245	-1.204277184	1.388888736	0.55182589	-0.958876649	-2.750130232	1.1733955	1.0655928	0.8954806	0.7286073	5.7180656
5170000000	2.460914245	-1.151917306	2.008637085	0.676736118	-0.42011748	-3.164286981	1.2601779	1.0810727	0.9527833	0.6946814	5.9599626
5170000000	2.460914245	-1.099557429	2.727431312	0.563361514	-0.10535142	-4.079259173	1.3688995	1.067009	1.0122029	0.652226	6.1784078
5170000000	2.460914245	-1.047197551	3.446523546	0.239033629	0.564756341	-5.465276331	1.4870521	1.0279019	1.0671803	0.533011	6.2671037
5170000000	2.460914245	-0.994837674	3.992447155	-0.135600793	0.98904694	-6.73369317	1.5835156	0.9845096	1.1207151	0.4611387	6.3401089
5170000000	2.460914245	-0.942477796	4.219373836	-0.449147611	1.454257297	-6.735686125	1.6254316	0.9496402	1.1822596	0.4604852	6.4810798
5170000000	2.460914245	-0.890117919	4.061767223	-0.795397876	1.964571891	-5.590929797	1.5962039	0.9124942	1.2538009	0.5253558	6.6242014
5170000000	2.460914245	-0.837758041	3.568904923	-1.328796206	2.408612931	-4.381964035	1.5081525	0.858144	1.3195646	0.6038121	6.6278841
5170000000	2.460914245	-0.785398163	2.946979576	-1.925324572	2.6311175	-3.565051373	1.4039414	0.8011868	1.3538043	0.6632464	6.4901327
5170000000	2.460914245	-0.733038286	2.52957124	-0.20646537	2.554735914	-3.054840764	1.3380692	0.7919116	1.3419514	0.7034901	6.3934081
5170000000	2.460914245	-0.680678408	2.531410557	-1.276171083	-2.599834697	-2.711503441	1.3383525	0.8633591	1.2982454	0.7413243	6.5293416
5170000000	2.460914245	-0.628318531	2.80746548	-0.15430363	2.02809952	-2.023227069	1.3815712	0.982392	1.2631225	0.7922069	6.6886454
5170000000	2.460914245	-0.575958653	3.047637936	0.766982644	2.088141367	-1.324337685	1.4203059	1.0923181	1.2717656	0.8585846	7.3153256
5170000000	2.460914245	-0.523598776	3.078499569	1.310944504	2.411491438	-0.654682493	1.4253614	1.162913	1.3200019	0.9273974	7.6685398
5170000000	2.460914245	-0.471238898	2.89054062	1.535941013	2.758877931	-0.183650863	1.3948485	1.1934303	1.3738645	0.9790784	7.8560867
5170000000	2.460914245	-0.41887902	2.512218423	1.544394532	2.958828767	0.04358901	1.3353986	1.1945923	1.4060198	1.0050275	7.8557644
5170000000	2.460914245	-0.366519143	1.951415075	1.409531252	2.96792906	0.184848559	1.2519032	1.1761875	1.4120161	1.0215095	7.7150138
5170000000	2.460914245	-0.314159265	1.286129377	1.222323129	2.929994941	0.573289934	1.1595954	1.1511082	1.4011988	1.063811	7.5601652
5170000000	2.460914245	-0.261799388	0.736400702	1.15329778	2.798411085	1.216335286	1.088479	1.1419968	1.3801318	1.150315	7.5332223
5170000000	2.460914245	-0.20943951	0.483891345	1.355183333	2.582140792	1.955242834	1.0572911	1.168851	1.346265	1.1252455	7.6490982
5170000000	2.460914245	-0.157079633	0.42316127	1.769983672	2.269224858	2.414091522	1.0499245	1.2260246	1.2985577	1.3203971	7.7742835
5170000000	2.460914245	-0.104719755	0.291137813	1.2176176178	1.953445734	2.503262644	1.0340866	1.284721	1.2521959	1.3340224	7.7922261
5170000000	2.460914245	-0.052359878	-0.045819169	2.42067726	1.636888961	2.442101997	0.9947388	1.3213987	1.2354764	1.3246621	7.7411654
5170000000	2.460914245	-4.44E-16	-0.493607393	2.518694849	2.038146613	2.560233875	0.9447559	1.3639347	1.2646665	1.3428011	7.7627672
5170000000	2.460914245	0.052359878	-0.182081121	2.572348479	2.451121519	2.887777745	0.9107432	1.3446765	1.3260383	1.3944049	7.9167661
5170000000	2.460914245	0.104719755	-0.834128506	2.616776274	2.87310885	3.12923749	0.9084344	1.3515708	1.3920519	1.4373118	8.1065328
5170000000	2.460914245	0.157079633	-0.60499078	2.583171664	3.160743748	3.084672009	0.9327182	1.3463519	1.4389218	1.4263744	8.2060381
5170000000	2.460914245	0.20943951	-0.257687948	2.441063027	3.239811737	2.877819911	0.9707683	1.3245036	1.4520801	1.3928072	8.1989316
5170000000	2.460914245	0.261799388	0.142186218	2.315731809	3.078333245	2.81051763	1.0165045	1.3052316	1.4253341	1.3820568	8.1802691
5170000000	2.460914245	0.314159265	0.607209282	2.356938461	2.692407056	2.879771576	1.072409	1.3117737	1.3633908	1.4019695	8.2147128
5170000000	2.460914245	0.366519143	1.13983601	2.505654732	2.16110011	2.944844851	1.1402283	1.3343899	1.282493	1.4035964	8.233585
5170000000	2.460914245	0.41887902	1.637871647	2.501129543	1.613287448	3.152483546	1.2075179	1.3336949	1.204105	1.3449594	8.1142288
5170000000	2.460914245	0.471238898	1.909007082	2.15457088	1.179592475	1.854337844	1.2458058	1.2815293	1.1454592	1.2379893	8.2042611
5170000000	2.460914245	0.523598776	1.792382209	1.503160752	0.939537388	1.069548226	1.2291903	1.1889348	1.1142352	1.1310386	7.3534512
5170000000	2.460914245	0.575958653	1.286778297	0.815294673	0.903157364	0.445655444	1.159682	1.0984106	1.1095781	1.052467	6.8884699
5170000000	2.460914245	0.628318531	0.629789037	0.934955149	1.034711715	-0.13147115	1.0752005	1.0470629	1.1265114	0.9849778	6.5139095
5170000000	2.460914245	0.680678408	0.184249776	0.278797957	1.287098633	-0.891135945	1.0214391	1.0326185	1.1597248	0.9024917	6.2694857
5170000000	2.460914245	0.733038286	0.04027621	0.21756855	1.61025656	-1.813855259	1.0046477	1.0253649	1.2036849	1.811535	6.1182698
5170000000	2.460914245	0.785398163	-0.076172019	0.043824676	1.940048091	-2.602093385	0.9912687	1.0050583	1.250266	0.7411316	5.9939031
5170000000	2.460914245	0.837758041	-0.402903029	-0.235229015	2.203318605	-3.015656185	0.9546735	0.9732817	1.2887418	0.7066709	5.8525807
5170000000	2.460914245	0.890117919	-0.937260914	-0.538952059	2.34129672	-3.127760989	0.8977118	0.9398367	1.3093774	0.6976088	5.6762758
5170000000	2.460914245	0.942477796	-1.527577494	-0.843026002	2.32413487	-3.118799272	0.838728	0.9075043	1.3067928	0.6983289	5.4631612
5170000000	2.460914245	0.994837674	-2.058982206	-1.189968294	2.144800409	-3.113225928	0.7889526	0.8719701	1.2806192	0.6987772	5.2021889
5170000000	2.460914245	1.047197551	-2.595017245	-1.599248113	1.830177033	-3.217318625	0.7417356	0.8318358	1.2345505	0.904529	4.8572233
5170000000	2.460914245	1.099557429	-3.319527841	-2.011615986	1.398872738	-3.476683633	0.6823758	0.7932667	1.1747451	0.6701404	4.4035429
5170000000	2.460914245	1.151917306	-4.31045582	-2.333931162	0.881906045	-3.778695544	0.6088036	0.7643697	1.1068666	0.6472398	3.8827347
5170000000	2.460914245	1.204277184	-5.380813741	-2.536730511	0.27982193	-3.919946434	0.5382194	0.7467298	1.0327402	0.6367994	3.3890471
5170000000	2.460914245	1.256637061	-6.180733337	-2.686063774	-0.44017577	-4.0908664	0.4908664	0.7340013	0.9505856	0.6396472	2.9692779
5170000000	2.460914245	1.308996939	-6.435051343	-2.863342488	-0.342020542	-3.896741742	0.4767025	0.7191722	0.8605755	0.638503	2.5904424
5170000000	2.460914245	1.361356817	-6.054408178	-3.067510317	-2.257638514	-4.178897568	0.4980576	0.7024647	0.7711131	0.6180948	2.2444906
5170000000	2.460914245	1.413716694	-5.317079381	-3.200943329	-3.120887119	-4.729897894	0.5421832	0.6917558	0.6981611	0.580103	1.980495
5170000000	2.460914245	1.466076572	-4.68								

5170000000	2.513274123	-2.14675498	-9.270982977	-9.457545985	-3.782976879	-4.110367597	0.3439148	0.3366067	0.6469209	0.6229908	-0.217979
5170000000	2.513274123	-2.094395102	-9.113513908	-9.468109412	-3.51053623	-4.979291692	0.3502066	0.3361975	0.6675337	0.5636836	-0.365342
5170000000	2.513274123	-2.042035225	-9.615783132	-8.630556908	-3.577275644	-5.59600799	0.33053	0.302305	0.6624242	0.5272541	-0.489348
5170000000	2.513274123	-1.989675347	-9.107266432	-7.726987635	-3.769808604	-5.200438016	0.3504586	0.4108191	0.6479024	0.5495132	-0.181272
5170000000	2.513274123	-1.93731547	-7.304178587	-6.99521912	-3.888486003	-4.527448682	0.4313115	0.4469139	0.6391101	0.6112763	0.5413299
5170000000	2.513274123	-1.884955592	-5.878807856	-6.162144583	-3.829227098	-3.519819194	0.5082292	0.4591818	0.6434853	0.6668206	1.2534337
5170000000	2.513274123	-1.832595715	-5.445827508	-5.092746403	-3.587180737	-3.20219661	0.5342058	0.5563687	0.6616693	0.691656	1.7410681
5170000000	2.513274123	-1.780235837	-5.69863892	-4.016128655	-3.122844134	-3.205518281	0.5188813	0.6297868	0.6908087	0.6913916	2.0047195
5170000000	2.513274123	-1.72787596	-5.702625395	-3.155893114	-2.78699499	-3.172704134	0.5186433	0.6197533	0.7255214	0.6940085	2.390153
5170000000	2.513274123	-1.675516082	-4.600186561	-2.505663268	-2.369645	-2.831997656	0.588831	0.7494054	0.7588444	0.7217721	2.9808487
5170000000	2.513274123	-1.623156204	-2.941428233	-1.915216476	-2.095544563	-2.35756997	0.7127358	0.8021197	0.7856385	0.7622922	3.701734
5170000000	2.513274123	-1.570796327	-1.622709712	-1.283968897	-1.884900973	-2.052814446	0.8259519	0.8625843	0.8049241	0.789513	4.3143724
5170000000	2.513274123	-1.518436449	-0.883558346	-0.674125619	-1.744955701	-1.939698679	0.9032794	0.9253238	0.8179979	0.799862	4.7268727
5170000000	2.513274123	-1.466076572	-0.530259698	-0.236675326	-1.661904266	-1.842558251	0.9407777	0.9731196	0.8258569	0.8088576	4.98057
5170000000	2.513274123	-1.413716694	-0.249175879	-0.07062911	-1.615408527	-1.671885943	0.9717201	0.9919015	0.8302896	0.8249084	5.1507386
5170000000	2.513274123	-1.361356817	0.136833447	-0.142372069	-1.553630427	-1.501854075	1.0158783	0.9837424	0.836216	0.8412156	5.2893961
5170000000	2.513274123	-1.308996939	0.613292201	-0.281250052	-1.402845521	-1.438921904	1.0731603	0.9681385	0.8508592	0.8473326	5.4356492
5170000000	2.513274123	-1.256637061	1.147366974	-0.293274222	-1.106497174	-1.548263695	1.1412173	0.9667992	0.8803901	0.8367328	5.6323545
5170000000	2.513274123	-1.204277184	1.784973894	-0.161335647	-0.663601536	-1.870061188	1.2281423	0.981597	0.9264456	0.8063005	5.894802
5170000000	2.513274123	-1.151917306	2.541836784	-0.062778128	-0.142669343	-2.435252874	1.33996	0.9927985	0.9837057	0.755505	6.1574897
5170000000	2.513274123	-1.099557429	3.298857057	-0.151909068	0.356218595	-2.38153716	1.4619848	0.9826629	1.0418638	0.6887987	6.3931748
5170000000	2.513274123	-1.047197551	3.881166297	-0.395436821	0.776873983	-4.144438424	1.5634469	0.9554944	1.0935627	0.6205519	6.5124803
5170000000	2.513274123	-0.994837674	4.179000481	-0.614248396	1.149602134	-4.771978194	1.6178938	0.9317246	1.1415111	0.5727994	6.5847612
5170000000	2.513274123	-0.942477796	4.167035227	-0.723325973	1.548010061	-4.704189445	1.6156667	0.9200972	1.1950897	0.5818225	6.6743368
5170000000	2.513274123	-0.890119719	3.889859867	-0.889675168	1.981291866	-4.107831509	1.5649231	0.9206435	1.2562168	0.6231727	6.743105
5170000000	2.513274123	-0.837758041	3.453216666	-1.333444021	2.343220115	-3.527785778	1.4881984	0.8576846	1.3096674	0.6662093	6.6962123
5170000000	2.513274123	-0.785398163	3.026694701	-1.998147824	2.493308768	-3.209618932	1.4168854	0.794977	1.3324945	0.6910652	6.5163513
5170000000	2.513274123	-0.73038286	2.806372095	-2.361177732	2.386710537	-3.035607795	1.3813973	0.7619577	1.3162413	0.7050495	6.3709991
5170000000	2.513274123	-0.680678408	2.883547993	-1.889891701	2.158988693	-2.794249059	1.393726	0.804618	1.2821813	0.7249158	6.4553084
5170000000	2.513274123	-0.628318531	3.128252336	-0.876017718	2.083246845	-2.385759691	1.4335492	0.9004639	1.2710491	0.7598223	6.7860611
5170000000	2.513274123	-0.575958653	3.299132158	0.082498754	2.316698501	-1.815948522	1.4620311	1.0095433	1.3056745	0.8113394	7.2129819
5170000000	2.513274123	-0.523598776	3.24459443	0.754707862	2.715722506	-1.164263889	1.4528799	1.0907755	1.3670554	0.8745544	7.5775204
5170000000	2.513274123	-0.471238898	2.951054435	1.163216232	3.033205317	-0.579542844	1.4046002	1.1433016	1.4179479	0.9354549	7.7856339
5170000000	2.513274123	-0.41887902	2.463935502	1.355869096	3.150108017	-0.172182448	1.327996	1.1689433	1.4371609	0.980372	7.8089378
5170000000	2.513274123	-0.366519143	1.834340429	1.344813648	3.092791981	0.128826294	1.2351424	1.1674562	1.4277087	1.0149422	7.6857233
5170000000	2.513274123	-0.314159265	1.170665592	1.196606766	2.946424665	0.572472644	1.1442826	1.1477052	1.4035608	1.0681288	7.5382469
5170000000	2.513274123	-0.261799388	0.66872292	1.115016444	2.752356251	1.296008	1.0800308	1.1369748	1.3728333	1.1601394	7.5133314
5170000000	2.513274123	-0.20943951	0.447761889	1.3147892	2.499835807	2.050431647	1.0529023	1.1634279	1.3334962	1.2662562	7.6332787
5170000000	2.513274123	-0.157079633	0.385055777	1.756418662	2.180971185	2.515486685	1.0453285	1.2241114	1.2853404	1.3359012	7.7669474
5170000000	2.513274123	-0.104719755	0.251431578	2.187724989	1.894387367	2.584915485	1.0293702	1.2864303	1.2437107	1.3466222	7.794187
5170000000	2.513274123	-0.052359878	-0.067231613	2.434499092	1.18989476	2.480201392	0.9922896	1.3235031	1.2330899	1.3304851	7.7466712
5170000000	2.513274123	-4.44E-16	-0.49367057	2.518694941	2.03814695	2.560234087	0.9447559	1.3363947	1.2644666	1.3248011	7.7627674
5170000000	2.513274123	0.052359878	-0.816562769	2.560242082	2.434075249	2.874019916	0.9102734	1.3428024	1.3234385	1.392198	7.904277
5170000000	2.513274123	0.104719755	-0.869440608	2.601110672	2.289941718	3.103139078	0.9047487	1.3491354	1.3851509	1.4294105	8.0768956
5170000000	2.513274123	0.157079633	-0.671335355	2.563918759	3.104624542	3.027550459	0.9256211	1.3433709	1.4296549	1.417025	8.1574538
5170000000	2.513274123	0.20943951	-0.343066274	2.407940445	3.190416596	2.789911494	0.9612729	1.3194624	1.4438459	1.3787819	8.1365295
5170000000	2.513274123	0.261799388	0.046780557	2.253060128	3.053279137	2.72988055	1.0054003	1.2961433	1.4212287	1.3692856	8.1172666
5170000000	2.513274123	0.314159265	0.516470857	2.260288955	2.705900835	2.878980848	1.0612643	1.2972224	1.3655105	1.3929933	8.1596924
5170000000	2.513274123	0.366519143	1.084323516	3.276461918	2.212379883	2.863438745	1.1329642	1.3146892	1.2914244	1.390503	8.1810376
5170000000	2.513274123	0.41887902	1.654334421	3.253470638	1.715350835	2.387997727	1.2098087	1.3112139	1.2183373	1.3164364	8.0551915
5170000000	2.513274123	0.471238898	2.025283407	2.009968825	1.303972371	1.52877744	1.2625953	1.2603711	1.1619799	1.1924464	7.7431546
5170000000	2.513274123	0.523598776	2.023832122	1.38689018	1.071216788	0.693864424	1.2623844	1.1731256	1.1313744	1.0831615	7.3285448
5170000000	2.513274123	0.575958653	1.629447358	0.741235494	1.06354249	0.177437374	1.2063473	1.089085	1.1302568	1.1026383	6.9394289
5170000000	2.513274123	0.628318531	1.033975372	0.848991636	1.274736851	-0.257235187	1.1264159	1.0490953	1.1580754	0.9708189	6.641283
5170000000	2.513274123	0.680678408	0.553152214	0.215732123	1.615147571	-0.977148914	1.0657556	1.0251481	1.2094206	0.8935988	6.4318093
5170000000	2.513274123	0.73038286	0.324116751	0.127437371	1.201756594	-1.998010344	1.0380203	1.0147799	1.2737607	0.7945102	6.2796022
5170000000	2.513274123	0.785398163	0.17775688	-0.058021696	2.523592361	-2.976346669	1.0206759	0.9933423	1.3371484	1.7098763	6.1521515
5170000000	2.513274123	0.837758041	-0.09209988	-0.314645428	2.835948583	-3.1616037703	0.9894526	0.9644234	1.3861091	0.6594747	6.0194268
5170000000	2.513274123	0.890119719	-0.530977085	-0.557160534	2.993458725	-4.029019013	0.9407	0.9318686	1.4114742	0.6288535	5.8426753
5170000000	2.513274123	0.942477796	-1.061429103	-0.770052239	2.861625624	-4.440198173	0.88497	0.9151608	1.4095526	0.5997774	5.5966701
5170000000	2.513274123	0.994837674	-1.623470332	-1.009922582	2.803133267	-4.885485688	0.8295193	0.8902334	1.3808823	0.5698043	5.2737609
5170000000	2.513274123	1.047197551	-2.298044452	-1.309878006	2.469887792	-5.278025923	0.7675343	0.8600044	1.3287687	0.5446264	4.8630779
5170000000	2.513274123	1.099557429	-3.255847298	-1.625519682	1.99541999	-5.464855004	0.687397	0.8293236	1.2582618	0.5330369	4.3707066
5170000000	2.513274123	1.151917306	-4.536598286	-1.874018096	1.395911546	-5.238515074	0.5931576	0.8059333	1.1743447	0.5471095	3.8640091
5170000000	2.513274123	1.204277184	-5.837857336	-2.023633956	0.66492694	-4.578371753	0.5106312	0.7921698	1.0795589	0.5903117	3.4423389
5170000000	2.513274123	1.256637061	-6.548833275	-2.130248274	-0.229394455	-3.808729869	0.4704986	0.7825058	0.9739357	0.6450056	3.1429247
5170000000	2.513274123	1.308996939	-6.301274795	-2.272915802	-1.319480498	-3.305388118	0.4841013	0.769758	0.8596649	0.6884875	2.9114224
5170000000	2.513274123	1.36135681									

5170000000	2.565634	-2.251474735	-11.06627266	-6.585809329	-5.763911103	-3.968301669	0.2796961	0.4684999	0.5149967	0.6332642	-0.46174
5170000000	2.565634	-2.199114858	-10.34658634	-7.083816174	-4.523525106	-4.414233016	0.303858	0.442394	0.594051	0.601573	-0.25617
5170000000	2.565634	-2.14675498	-10.83723019	-8.57483223	-3.735527326	-5.306162325	0.2871696	0.3726133	0.6504646	0.5428651	-0.662564
5170000000	2.565634	-2.094395102	-11.98342324	-10.32380803	-3.453046108	-6.133122867	0.2516685	0.3046559	0.6719666	0.4935641	-1.300666
5170000000	2.565634	-2.042035225	-11.32262582	-10.77623745	-3.58354673	-5.743978082	0.2715618	0.2891932	0.6653992	0.5161799	-1.197971
5170000000	2.565634	-1.989675347	-8.579474729	-6.999536396	-3.743751104	-4.330272743	0.3724142	0.3273582	0.649849	0.6074162	-0.188617
5170000000	2.565634	-1.93731547	-6.500049075	-8.167914948	-3.838267132	-3.090649677	0.4731486	0.3904898	0.6428159	0.7005958	0.8556247
5170000000	2.565634	-1.884955592	-5.78864579	-6.555581079	-3.733187302	-2.462299958	0.5135322	0.4701332	0.6506398	0.7531561	1.5381272
5170000000	2.565634	-1.832595715	-6.091282785	-4.981894869	-3.467878437	-2.301614779	0.4959477	0.5635147	0.6708201	0.7627188	1.9295147
5170000000	2.565634	-1.780235837	-6.319294223	-3.650967062	-3.104742325	-2.221584073	0.4830981	0.656828	0.69946	0.7743206	2.3245368
5170000000	2.565634	-1.72787596	-5.245666906	-2.684730955	-2.690343824	-1.877188238	0.5466592	0.7341139	0.7336397	0.8566392	2.9845423
5170000000	2.565634	-1.675516082	-3.403264952	-2.038761202	-2.272730375	-1.338922977	0.6758289	0.7907914	0.7697744	0.8571441	3.7885116
5170000000	2.565634	-1.623156204	-1.88883614	-1.561540387	-1.90087678	-0.955613747	0.8045595	0.8354548	0.803445	0.895817	4.4524475
5170000000	2.565634	-1.570796327	-1.030743365	-1.118027945	-1.610716515	-0.886331051	0.888102	0.8792221	0.8307382	0.9029911	4.8633746
5170000000	2.565634	-1.518436449	-0.66142683	-0.699767557	-1.423148892	-0.97754635	0.9266776	0.9225961	0.8488727	0.8935364	5.0853596
5170000000	2.565634	-1.466076572	-0.41485227	-0.413077597	-1.340012628	-0.981277049	0.953361	0.9535558	0.8570366	0.8931742	5.2422203
5170000000	2.565634	-1.413716694	-0.02600491	-0.363027116	-1.327446055	-0.840104735	0.9970106	0.9590663	0.8582774	0.9078096	5.39531
5170000000	2.565634	-1.361356817	0.490049505	-0.548151472	-1.310659595	-0.698281526	1.0580409	0.9388818	0.8599378	0.922754	5.5282853
5170000000	2.565634	-1.308996939	1.032641518	-0.823007254	-1.200175908	-0.703842568	1.1262429	0.9509583	0.870946	0.9221634	5.6409952
5170000000	2.565634	-1.256637061	1.633393687	-0.983609935	-0.934794414	-0.905730626	1.2068955	0.8929343	0.8979668	0.9009765	5.7979594
5170000000	2.565634	-1.204277184	2.377410069	-0.979389505	-0.917733296	-1.256873889	1.3148327	0.8933683	0.9421354	0.8652793	6.054443
5170000000	2.565634	-1.159171306	3.191553902	-0.977635543	-0.024813714	-1.65890628	1.4403439	0.8935487	0.9971473	0.826142	6.363809
5170000000	2.565634	-1.09954279	3.859392287	-1.137262379	0.440835641	-2.037416415	1.5594434	0.8772773	1.0520631	0.7909138	6.6076618
5170000000	2.565634	-1.047197551	4.216437595	-1.394137181	0.825165248	-2.37735785	1.6248822	0.8517127	1.0995966	0.7605576	6.7228122
5170000000	2.565634	-0.994837674	4.242341938	-1.506071406	-1.05682758	-2.63540566	1.6297354	0.8408072	1.1430077	0.7382946	6.7528683
5170000000	2.565634	-0.942477796	4.033298788	-1.389399869	1.519711604	-2.708208408	1.5909808	0.8521774	1.1912025	0.7321323	6.7820554
5170000000	2.565634	-0.890117919	3.733272151	-1.2983101	0.59579898	-2.635587175	1.5369637	0.8611613	1.2453458	0.7382797	6.8123528
5170000000	2.565634	-0.837758041	3.457491451	-1.519045831	2.16746665	-2.642112087	1.488931	0.8395522	1.2907357	0.7377248	6.7630392
5170000000	2.565634	-0.785398163	3.263423295	-2.034379897	2.334669479	-2.82957497	1.4560328	0.7911904	1.3083828	0.7219735	6.603362
5170000000	2.565634	-0.733038286	3.19428961	-2.404491968	2.256943909	-3.020604634	1.4448898	0.7581854	1.2967229	0.7062684	6.4560967
5170000000	2.565634	-0.680678408	3.27870568	-2.124486464	2.15550215	-2.981535914	1.4585969	0.7830251	1.2816667	0.7094523	6.511834
5170000000	2.565634	-0.628318531	3.441452241	-1.323099721	2.26585851	-2.678934903	1.4861841	0.858707	1.298054	0.7346039	6.8040206
5170000000	2.565634	-0.575958653	3.511603587	-0.470113867	2.626569915	-2.177779032	1.4982358	0.9473148	1.3530956	0.7782355	7.1907939
5170000000	2.565634	-0.523598776	3.358223304	0.228673246	3.03268895	-1.52765151	1.4720114	1.0266766	1.4178636	0.8387208	7.522908
5170000000	2.565634	-0.471238898	2.962497844	0.771818109	3.275920106	-0.850343251	1.4064519	1.0929264	1.4580234	0.9067401	7.7195247
5170000000	2.565634	-0.41887902	2.380364395	1.136955347	3.291366911	-0.302094464	1.31528	1.1369554	1.4607246	0.965818	7.7507827
5170000000	2.565634	-0.366519143	1.698059043	1.258612364	3.141419768	0.117537695	1.2159143	1.1559276	1.4357241	1.013624	7.6424849
5170000000	2.565634	-0.314159265	1.047767818	1.167736434	3.922210487	0.623047047	1.128206	1.1438967	1.399929	1.0743662	7.5066831
5170000000	2.565634	-0.261799388	0.596225057	1.088858345	2.681107854	1.365981059	1.0710537	1.1335558	1.3616183	1.170305	7.4886112
5170000000	2.565634	-0.20943951	0.405086785	1.290304351	2.402602061	2.141915751	1.047742	1.1601529	1.3186517	1.2796635	7.615455
5170000000	2.565634	-0.157079633	0.34149544	1.754067597	2.087245466	2.612778621	1.0400992	1.2237801	1.2716344	1.3509489	7.7592918
5170000000	2.565634	-0.104719755	0.208949882	1.242026586	1.835616438	2.6624309039	1.0243479	1.2888736	1.2353238	1.3589875	7.7966644
5170000000	2.565634	-0.052359878	-0.089669169	2.449395485	1.804291691	2.518109517	0.9897296	1.3257748	1.2308768	1.3363046	7.7525757
5170000000	2.565634	-4.44E-16	-0.493607711	2.518694927	2.038146588	2.560234477	0.9447559	1.3363947	1.2644665	1.3428012	7.7627674
5170000000	2.565634	0.052359878	-0.819852839	2.548406695	2.416233761	2.859683294	0.9099287	1.3409739	1.3207228	1.389902	7.891708
5170000000	2.565634	0.104719755	2.585953538	2.783310984	3.077478701	3.077478701	0.9011512	1.3467832	1.3777335	1.4251938	8.0467114
5170000000	2.565634	0.157079633	-0.740301822	2.544608561	3.038687394	2.974164294	0.9183007	1.3403877	1.4188431	1.4083423	8.1067116
5170000000	2.565634	0.20943951	-0.435165789	2.327097859	2.70940726	2.70940726	0.951134	1.3140288	1.4326377	1.3606019	8.069038
5170000000	2.565634	0.261799388	-0.06068468	2.183378128	3.00278997	2.657092372	0.9930378	1.2857866	1.4129913	1.3578588	8.0446679
5170000000	2.565634	0.314159265	0.402015571	2.147891291	2.691495846	2.826380435	1.0473716	1.2805442	1.3632478	1.3845831	8.0893987
5170000000	2.565634	0.366519143	0.984272041	2.232624143	2.258263902	2.781624243	1.1199886	1.2930973	1.29692	1.377467	8.1094424
5170000000	2.565634	0.41887902	1.603146998	2.203925002	1.805239188	2.210535855	1.2027001	1.2888318	1.2310111	1.2898131	7.9802385
5170000000	2.565634	0.471238898	2.061195138	1.881667779	1.427033654	1.256505222	1.2678263	1.2418907	1.17856	1.1556472	7.6833468
5170000000	2.565634	0.523598776	2.18308438	1.294758634	1.196720876	0.480902912	1.2857431	1.160748	1.1477202	1.0569274	7.330586
5170000000	2.565634	0.575958653	1.93628575	0.670039398	1.714127117	0.192590348	1.2497245	1.0801945	1.1447387	1.0224628	7.0380906
5170000000	2.565634	0.628318531	1.472194537	0.25246489	1.389287913	0.0595398305	1.1847037	1.0294926	1.1734495	0.9936423	6.8114363
5170000000	2.565634	0.680678408	1.050136077	0.057392843	1.803590062	-0.759712016	1.1285136	1.0066295	1.2307774	0.9162509	6.6126809
5170000000	2.565634	0.730382826	0.817511322	-0.092822588	2.308931759	-1.952283634	1.098691	0.9893703	1.3045075	0.7987039	6.4263186
5170000000	2.565634	0.785398163	0.68526564	0.314999473	2.779945612	-3.260322414	1.0820897	0.9643841	1.3772008	0.6870429	6.2575729
5170000000	2.565634	0.837758041	0.483308026	-0.567707149	3.127073422	-4.340779186	1.0572201	0.9367305	1.4335347	0.6066819	6.0940902
5170000000	2.565634	0.890117919	0.130377672	-0.752796272	3.31290973	-5.363963105	1.0151235	0.9169807	1.464352	0.5392645	5.8798855
5170000000	2.565634	0.942477796	-0.356239391	-0.854952675	3.338064392	-6.30881168	0.9598161	0.9602591	1.468599	0.4660751	5.5767845
5170000000	2.565634	0.994837674	-0.958050397	-0.950159434	3.213888215	-7.879899535	0.895519	0.8963797	1.448503	0.4036501	5.210191
5170000000	2.565634	1.047197551	-1.750144869	-1.101501889	2.969440025	-8.220611711	0.8175094	0.8808965	1.4075765	0.388123	4.8461203
5170000000	2.565634	1.099554729	-2.837380744	-1.294555708	2.600542099	-7.273843341	0.721325	0.8615336	1.3490471	0.4328205	4.5183945
5170000000	2.565634	1.151917306	-4.149610648	-1.465505048	2.111111654	-5.697709006	0.6201824	0.8447433	1.2751333	0.5189369	4.2410764
5170000000	2.565634	1.204277184	-5.254767872	-1.577596288	1.48567342	-4.149902563	0.5460867	0.8339119	1.1865435	0.6201616	4.0462339
5170000000	2.565634	1.256637061	-5.573236243	-1.666001546	0.694788606	-2.974406155	0.526427	0.8254674	1.0832768	0.7100349	3.932382
5170000000	2.565634	1.308996939	-5.092588304	-1.797304522	-0.28725245						

5170000000	2.617993878	-2.35619449	-13.50224292	-8.312305372	-8.733085899	-4.158794875	0.2112943	0.3840473	0.3658859	0.619527	-2.043311
5170000000	2.617993878	-2.303834613	-11.064963	-6.657913886	-7.455136364	-4.670315274	0.2797382	0.4646269	0.4238802	0.584096	-1.148226
5170000000	2.617993878	-2.251474735	-10.02778523	-5.634572305	-6.026888032	-5.079914551	0.3152178	0.5227227	0.4996382	0.5571912	-0.46947
5170000000	2.617993878	-2.199114858	-10.71070521	-5.683968563	-4.745015145	-5.689908884	0.2913834	0.5197585	0.5790942	0.5194031	-0.401574
5170000000	2.617993878	-2.14675498	-13.35119286	-6.780072126	-3.911075249	-6.463044855	0.2150009	0.4517381	0.6374502	0.4751686	-0.984149
5170000000	2.617993878	-2.094395102	-15.19709885	-8.531122379	-3.608289862	-6.35140166	0.1738381	0.3744932	0.6600632	0.4813156	-1.464356
5170000000	2.617993878	-2.042035225	-11.06211331	-9.871606684	-3.704791853	-4.789415634	0.27983	0.3209695	0.6527703	0.5761416	-0.773103
5170000000	2.617993878	-1.989675347	-7.631364052	-9.686125345	-3.918610294	-3.059136148	0.4153668	0.327864	0.6368974	0.7031422	0.3543133
5170000000	2.617993878	-1.93731547	-6.262694744	-8.36750889	-3.968511862	-2.018578992	0.4862563	0.3816142	0.6332488	0.792631	1.190322
5170000000	2.617993878	-1.884955592	-6.53353254	-6.708293468	-3.768188288	-1.696393216	0.4713281	0.4619397	0.6480232	0.8225842	1.5976387
5170000000	2.617993878	-1.832595715	-7.459521699	-5.097973469	-3.413092675	-1.73435909	0.4236663	0.556304	0.6750646	0.8189965	1.8465563
5170000000	2.617993878	-1.780235837	-6.896259194	-3.774153958	-3.001955822	-1.622411139	0.4520506	0.6475783	0.7077864	0.8296204	2.4017204
5170000000	2.617993878	-1.72787596	-4.720569611	-2.850463955	-2.567090915	-1.149269477	0.5807263	0.7202393	0.7441242	0.8760654	3.2904929
5170000000	2.617993878	-1.675516082	-2.768785262	-2.293721829	-2.121878262	-0.626910387	0.7270441	0.7679163	0.7832602	0.9303674	4.1056793
5170000000	2.617993878	-1.623156204	-1.63866437	-1.961685358	-1.703481055	-0.41324372	0.8280695	0.7978399	0.8219132	0.9535376	4.6124524
5170000000	2.617993878	-1.570796327	-1.184866272	-1.692325537	-1.369039698	-0.547488308	0.8724824	0.8229695	0.8541773	0.9389135	4.8322809
5170000000	2.617993878	-1.518436449	-0.957259117	-1.42217979	-1.167535884	-0.786414283	0.8956473	0.8489674	0.7424225	0.9134384	4.940498
5170000000	2.617993878	-1.466076572	-0.507982571	-1.226268762	-1.109379424	-0.861550232	0.9431937	0.8688335	0.880098	0.905571	5.0986824
5170000000	2.617993878	-1.413716694	0.187673405	-1.219585561	-1.14781362	-0.753422652	1.0218418	0.8963019	0.8762122	0.9169146	5.305723
5170000000	2.617993878	-1.361356817	0.887184175	-1.423133534	-1.187513545	-0.648948333	1.1075395	0.8488242	0.8722165	0.9282098	5.4753917
5170000000	2.617993878	-1.308996939	1.515864301	-1.702198158	-1.123357899	-0.99977316	1.1906749	0.8203046	0.8786828	0.9225738	5.6069367
5170000000	2.617993878	-1.256637061	2.200770886	-1.856631328	-0.889627187	-0.896832187	1.2883639	0.8075482	0.9026438	0.9019	5.8017074
5170000000	2.617993878	-1.204777184	3.009178278	-1.856928001	-0.95908028	-1.085769307	1.4140309	0.8073565	0.9445057	0.8824935	6.125004
5170000000	2.617993878	-1.151917306	3.777729069	-1.916834925	-0.025562678	-1.113083189	1.5448505	0.8019702	0.9970654	0.8797228	6.4930741
5170000000	2.617993878	-1.099557429	4.266980125	-2.213851461	-0.18466032	-1.016266489	1.6346348	0.7750102	1.0493806	0.8895834	6.745868
5170000000	2.617993878	-1.047197551	4.369726798	-2.643650674	0.788533084	-0.989417019	1.6538128	0.7375942	1.0950316	0.8923375	6.8065447
5170000000	2.617993878	-0.994837674	4.164347699	-2.819774253	1.118086959	-0.133759909	1.6151668	0.7227886	1.1373768	0.8776311	6.7551001
5170000000	2.617993878	-0.942477796	3.863109354	-2.555660063	1.468840486	-1.365978865	1.5601109	0.7451042	1.1842463	0.8544783	6.7370758
5170000000	2.617993878	-0.890117919	3.669878996	-2.191004049	1.834064722	-1.618789169	1.5257871	0.7776515	1.2351032	0.9289665	6.7848702
5170000000	2.617993878	-0.837758041	3.61912937	-2.108628028	2.119452279	-1.989105528	1.5168983	0.784456	1.2763853	0.7953252	6.7950647
5170000000	2.617993878	-0.785398163	3.61313601	-2.312967537	2.241440249	-2.58254764	1.515852	0.7662167	1.2944105	0.7478031	6.6976808
5170000000	2.617993878	-0.733038286	3.604269764	-2.431546531	2.314032916	-3.000144679	1.5143055	0.7558275	1.2943498	0.7077934	6.5928721
5170000000	2.617993878	-0.680678408	3.630321615	-2.112467791	2.296124469	-3.115752335	1.5188542	0.7841093	1.3025855	0.6985739	6.6570933
5170000000	2.617993878	-0.628318531	3.6804440994	-1.474483706	2.560384647	-2.855783539	1.5276436	0.8438705	1.3428244	0.7197983	6.915582
5170000000	2.617993878	-0.575958653	3.638194984	-0.812582597	2.97192204	-2.364943394	1.5202316	0.9106906	1.4079788	0.7616454	7.2355884
5170000000	2.617993878	-0.523598776	3.387061256	-0.19771803	3.321875597	-1.707743489	1.4769067	0.977494	1.4658643	0.8125099	7.4982189
5170000000	2.617993878	-0.471238898	2.902246355	0.405532127	3.45945096	-0.977795929	1.3967295	1.0407757	1.4892669	0.8953522	7.6535297
5170000000	2.617993878	-0.41887902	2.246605104	0.910027816	3.369897359	-0.3459899	1.2951804	1.1047556	1.4739911	0.9609494	7.6773427
5170000000	2.617993878	-0.366519143	1.53496071	1.157878151	3.136747676	0.142262664	1.1932596	1.1425992	1.434952	1.0165135	7.5813223
5170000000	2.617993878	-0.314159265	0.915035487	1.133809469	2.860922874	0.679651832	1.1110965	1.1394374	1.3901003	1.0813906	7.4619654
5170000000	2.617993878	-0.261799388	0.518696904	1.07134507	2.585090131	1.436611494	1.0615363	1.1312726	1.3466493	1.1798607	7.4569865
5170000000	2.617993878	-0.20943951	0.356322783	1.280428823	2.292111155	2.227256893	1.0418763	1.1588436	1.3019837	1.2922985	7.5951958
5170000000	2.617993878	-0.157079633	0.292991357	1.762905626	1.989422913	2.705077011	1.0343072	1.2250209	1.2573933	1.365381	7.7515468
5170000000	2.617993878	-0.104719755	0.164060916	2.22567879	1.778039695	2.740958213	1.0190677	1.2290637	1.2271622	1.371033	7.7998388
5170000000	2.617993878	-0.052359878	-0.112981943	2.465338264	1.790147042	2.555608444	0.9870767	1.3282105	1.2288684	1.3420862	7.7858993
5170000000	2.617993878	-4.44E-16	-0.493607482	2.518695019	2.038146808	2.560234398	0.9447559	1.3363947	1.2646655	1.3428012	7.7627675
5170000000	2.617993878	0.052359878	-0.821797699	2.536835217	3.397797236	2.844759419	0.909725	1.3391887	1.3179197	1.3875159	7.8791325
5170000000	2.617993878	0.104719755	-0.937272099	2.571192023	2.733853227	3.052365455	0.89777107	1.3444465	1.3699912	1.4210792	8.0162806
5170000000	2.617993878	0.157079633	-0.810717138	2.525076556	2.964103079	2.92463177	0.9108862	1.3373769	1.4067119	1.4003339	8.0543541
5170000000	2.617993878	0.20943951	-0.532633126	2.333597689	3.038365187	2.63500712	0.9405207	1.3082173	1.4187905	1.3544106	7.9968288
5170000000	2.617993878	0.261799388	-0.179238799	2.10548791	2.928809381	2.587811466	0.9795758	1.274308	1.4010075	1.3470713	7.9622809
5170000000	2.617993878	0.314159265	0.263043958	2.021593674	2.6251439034	2.772432515	1.0307473	1.2620591	1.3569753	1.3760101	8.0034899
5170000000	2.617993878	0.366519143	0.834915771	2.076717918	2.274780605	2.701483765	1.1008947	1.2700941	1.2993777	1.3648163	8.0197048
5170000000	2.617993878	0.41887902	1.47360449	2.054091115	1.88825805	2.057262436	1.184896	1.2667898	1.2428334	1.2672524	7.8921353
5170000000	2.617993878	0.471238898	1.997667713	1.766736286	1.560822865	1.067506291	1.2585874	1.2255662	1.1968539	1.1307727	7.625516
5170000000	2.617993878	0.523598776	2.236524485	1.216460631	1.338586971	0.442647858	1.2936781	1.1503315	1.1666198	1.0522826	7.3525446
5170000000	2.617993878	0.575958653	2.1466442031	0.588184646	1.274447453	0.414114795	1.2803305	1.0700627	1.1580368	1.0488315	7.1534793
5170000000	2.617993878	0.628318531	1.840017826	0.103779401	1.421552095	0.297987308	1.23595	1.1020197	1.1778164	1.0349023	6.9674379
5170000000	2.617993878	0.680678408	1.521243254	-0.190480385	1.757297624	-0.464835941	1.1914125	0.9783088	1.2267749	1.4978906	6.7376999
5170000000	2.617993878	0.733038286	1.326794426	-0.427777753	2.242000324	-1.899346214	1.165037	0.9519434	1.2944939	0.8035866	6.4754772
5170000000	2.617993878	0.785398163	1.215221493	-0.707315009	2.688573152	-3.605164854	1.1501675	0.9217948	1.3627891	0.6603007	6.2245886
5170000000	2.617993878	0.837758041	1.045967685	-0.974661596	3.015078821	-5.159307496	1.1279722	0.8938547	1.4149919	0.5512125	5.9965505
5170000000	2.617993878	0.890117919	0.71931765	-1.10597478	3.184242501	-6.72647677	1.0863403	0.880443	1.4428199	0.4609737	5.7349142
5170000000	2.617993878	0.942477796	0.216280515	-1.076195077	3.208393995	-8.503573014	1.0251218	0.8834668	1.4468373	0.3756828	5.4163702
5170000000	2.617993878	0.994837674	-0.463131967	-0.992000197	3.120345649	-9.279774306	0.9480765	0.8920272	1.4322449	0.3435669	5.1438736
5170000000	2.617993878	1.047197551	-1.357434608	-0.966772633	2.947658695	-7.943303782	0.8551393	0.8946669	1.4040512	0.4007143	4.9955853
5170000000	2.617993878	1.099557429	-2.471175185	-1.03234971	2.698936242	-6.011952907	0.7523869	0.8883493	1.364416	0.500498	4.8477417
5170000000	2.617993878	1.15191730									

5170000000	2.670353756	-2.460914245	-16.32167904	-10.12205248	-10.49672247	-3.450658228	0.15272771	0.3118153	0.2986509	0.6721514	-2.881476
5170000000	2.670353756	-2.408554368	-14.89470191	-10.11830928	-9.700678925	-4.048543318	0.1799968	0.3119497	0.3273151	0.6274409	-2.813015
5170000000	2.670353756	-2.35619449	-12.28107198	-9.265733841	-8.64106826	-5.103865447	0.2431904	0.3441227	0.3697827	0.5556569	-2.425241
5170000000	2.670353756	-2.303834613	-10.28133313	-7.284621255	-7.472535499	-6.043577839	0.3061494	0.4322838	0.423032	0.498679	-1.617684
5170000000	2.670353756	-2.251474735	-9.760694988	-5.73076172	-6.180770504	-6.477775333	0.3250613	0.4512695	0.4908679	0.4743635	-0.880194
5170000000	2.670353756	-2.199114858	-11.00267185	-5.224447624	-4.975118938	-6.650051414	0.2817516	0.5479963	0.5639545	0.4650476	-0.63618
5170000000	2.670353756	-2.14675498	-13.4062977	-5.706806854	-4.615992049	-6.184177946	0.2136413	0.5183936	0.6194467	0.4741776	-0.792201
5170000000	2.670353756	-2.094395102	-12.20717334	-6.848952793	-3.871847736	-5.330873445	0.2452683	0.4545193	0.6403355	0.5413228	-0.530765
5170000000	2.670353756	-2.042035225	-8.501790281	-8.056978352	-5.05154978	-3.570877751	0.3757599	0.3955042	0.6298288	0.6629124	0.2736162
5170000000	2.670353756	-1.989675347	-6.336247676	-8.635138908	-4.290141229	-2.184014907	0.482156	0.3700352	0.6102291	0.777677	0.9847381
5170000000	2.670353756	-1.93731547	-5.941150887	-8.275208794	-4.342481974	-1.567722463	0.5045944	0.385691	0.606563	0.8346064	1.3328867
5170000000	2.670353756	-1.884955592	-6.837396997	-7.162663676	-4.054052468	-1.610056291	0.4551244	0.4383962	0.6270431	0.8380813	1.4058014
5170000000	2.670353756	-1.832595715	-7.395001803	-5.739858271	-3.574183347	-1.843973403	0.4268251	0.5164248	0.6626601	0.8087259	1.6364329
5170000000	2.670353756	-1.780235837	-5.883232279	-4.456870426	-3.061328096	-1.704995153	0.5079704	0.5986272	0.7029648	0.8217699	2.3829143
5170000000	2.670353756	-1.72787596	-3.816843055	-3.563248165	-2.563694738	-1.174530046	0.6444034	0.6634949	0.7444153	0.8735213	3.3043964
5170000000	2.670353756	-1.675516082	-2.479665199	-3.088980559	-2.081345949	-0.738641227	0.7516519	0.7007304	0.7869238	0.9184763	3.9670441
5170000000	2.670353756	-1.623156204	-1.95399357	-2.909685292	-1.639620762	-0.713616048	0.7985467	0.7153453	0.8279783	0.9211263	4.2517327
5170000000	2.670353756	-1.570796327	-1.83533722	-2.830084243	-1.299558484	-1.038525188	0.8095304	0.7219312	0.8610375	0.8873067	4.2963642
5170000000	2.670353756	-1.518436449	-1.456987395	-2.717295913	-1.118824914	-1.392549016	0.8455721	0.7313667	0.8791414	0.8518685	4.3705755
5170000000	2.670353756	-1.466076572	-0.560589713	-2.604707301	-1.106158173	-1.479814283	0.9374984	0.7409086	0.8804244	0.8433528	4.6145565
5170000000	2.670353756	-1.413716694	0.446767119	-2.614748008	-1.200530985	-1.334619772	1.0527818	0.7400526	0.8079131	0.8575689	4.9135009
5170000000	2.670353756	-1.361356817	1.250925731	-2.774075525	-1.286930613	-1.215433853	1.1549051	0.7266014	0.8622902	0.8694174	5.1372739
5170000000	2.670353756	-1.308996939	1.919535949	-2.920562723	-1.245073854	-1.264813702	1.2473169	0.71445	0.8664556	0.8644887	5.3263069
5170000000	2.670353756	-1.256637061	2.648231473	-2.850023056	-1.007537972	-1.366434857	1.3564743	0.7202758	0.8904778	0.8544335	5.6244443
5170000000	2.670353756	-1.204277184	3.443805102	-2.625512871	-0.596295294	-1.254366476	1.4865867	0.739136	0.9336524	0.8655291	6.0745112
5170000000	2.670353756	-1.151917306	4.085610234	-2.570924293	-0.10739651	-0.83664833	1.6005915	0.7437959	0.9877116	0.9081709	6.5272703
5170000000	2.670353756	-1.099557429	4.361558097	-2.937529623	0.356055822	-0.369627125	1.6522582	0.7310058	1.0418442	0.9583379	6.7800721
5170000000	2.670353756	-1.047197551	4.242477065	-3.645977674	0.751610585	-0.178906132	1.6297607	0.6572054	1.0903867	0.9796133	6.7630388
5170000000	2.670353756	-0.994837674	3.913455359	-4.186309603	1.10974132	-0.354969864	1.56918	0.6175067	1.1362845	0.9599564	6.6143382
5170000000	2.670353756	-0.942477796	3.680027574	-4.069066287	1.475863298	-0.739472015	1.5275709	0.6259601	1.1852042	0.9183884	6.5617253
5170000000	2.670353756	-0.890117919	3.707705874	-3.563523557	1.834266223	-1.172815111	1.5324464	0.6634739	1.2351313	0.8736938	6.6583494
5170000000	2.670353756	-0.837758041	3.866568932	-3.182190084	2.110648712	-1.703406761	1.5607324	0.693251	1.2750653	0.8219202	6.7511197
5170000000	2.670353756	-0.785398163	3.95179755	-2.977575623	2.263996452	-2.388344175	1.5761222	0.7097759	1.2977763	0.7595962	6.7357376
5170000000	2.670353756	-0.733038286	3.918242433	-2.652958853	2.365913727	-3.000728267	1.5700451	0.7368041	1.3130331	0.7078864	6.7046811
5170000000	2.670353756	-0.680678408	3.849757679	-2.070882944	2.560797298	-3.181786313	1.5577146	0.7878723	1.3428882	0.6932832	6.8123685
5170000000	2.670353756	-0.628318531	3.784403023	-1.446630258	2.909322741	-2.901966125	1.546038	0.8465809	1.3978679	0.7159813	6.9561261
5170000000	2.670353756	-0.575958653	3.638728882	-0.952699292	3.255999149	-2.378639301	1.520325	0.8961177	1.4614365	0.7604454	7.3066229
5170000000	2.670353756	-0.523598776	3.304422319	-0.485788246	3.945980687	-1.74866276	1.4629218	0.9456068	1.5040041	0.8208365	7.4828079
5170000000	2.670353756	-0.471238898	2.75218702	0.101812842	3.564535716	-0.975799285	1.3728066	1.0117906	1.507394	0.8937376	7.7538618
5170000000	2.670353756	-0.41887902	2.051556676	0.098001264	3.761474556	-0.318137115	1.2664202	1.0836776	1.4750521	0.9640358	7.5846336
5170000000	2.670353756	-0.366519143	1.340574011	1.052394287	3.076243366	0.191064872	1.1668867	1.1288071	1.4249912	1.0222409	7.5003267
5170000000	2.670353756	-0.314519265	0.772068677	1.095735	2.761918942	0.733956854	1.0929579	1.1344536	1.3743456	1.0881727	7.402277
5170000000	2.670353756	-0.261799388	0.43684382	1.060353098	2.46626484	1.498058845	1.0515797	1.1298418	1.3283522	1.1882366	7.4176795
5170000000	2.670353756	-0.20943951	0.302328803	1.284003215	2.170440073	2.304757885	1.0354197	1.1593115	1.2838734	1.3038808	7.5724733
5170000000	2.670353756	-0.157079633	0.240250494	1.782750732	1.889291631	2.791765793	1.0280459	1.227828	1.2429813	1.3790763	7.744114
5170000000	2.670353756	-0.104719755	0.117203861	2.252113317	1.722653544	2.814465298	1.013585	1.296002	1.2193621	1.382685	7.8039202
5170000000	2.670353756	-0.052359878	-0.137011176	2.482284107	1.777565686	2.592495319	0.9843498	1.3380843	1.2270953	1.3477979	7.7656612
5170000000	2.670353756	-4.444-16	-0.493607431	2.51869492	2.038146421	2.560233992	0.9447559	1.3633947	1.2644665	1.3428011	7.7627762
5170000000	2.670353756	0.052359878	-0.822247043	2.525521181	2.378904909	2.829237428	0.9096779	1.3374454	1.315059	1.3850386	7.8666621
5170000000	2.670353756	0.104719755	-0.96838487	2.556732188	2.682308967	3.02785526	0.8945008	1.3422599	1.3618066	1.4170748	7.9859309
5170000000	2.670353756	0.157079633	-0.881190134	2.505271797	2.882385906	2.878897204	0.9035257	1.334331	1.3935395	1.3929799	8.001043
5170000000	2.670353756	0.20943951	-0.633629231	2.29288852	2.93555706	2.565117635	0.929648	1.3021003	1.4027422	1.3435563	7.9205795
5170000000	2.670353756	0.261799388	-0.30669722	2.020981362	2.833993945	2.517642957	0.9653063	1.2619701	1.3857973	1.3366229	7.8702871
5170000000	2.670353756	0.314159265	0.101681755	1.88416933	2.588485873	2.712990441	1.0117753	1.2422485	1.3471759	1.3662625	7.9027261
5170000000	2.670353756	0.366519143	0.636658288	1.911590907	2.735494947	2.624299311	1.076511	1.2461765	1.2992044	1.352742	7.9138195
5170000000	2.670353756	0.41887902	1.261590809	1.904673263	1.968809372	1.936571353	1.156324	1.2451844	1.2544128	1.2497656	7.7933964
5170000000	2.670353756	0.471238898	1.8230575	1.661082233	1.717254971	0.962328013	1.233539	1.210749	1.2186044	1.171626	7.568058
5170000000	2.670353756	0.523598776	2.161002627	1.14376811	1.530603675	0.516892958	1.2824786	1.1407446	1.1926972	1.0613158	7.3791861
5170000000	2.670353756	0.575958653	2.219006293	0.491022703	1.434494755	0.687532572	1.2910716	1.0581595	1.1795728	1.0823722	7.2556341
5170000000	2.670353756	0.628318531	2.070405507	0.700700302	1.48187764	0.611842384	1.2691714	0.989726	1.1860251	1.0729812	7.0781395
5170000000	2.670353756	0.680678408	1.865599293	-0.507846872	1.701314222	-0.277470445	1.2395954	0.9432084	1.21637	0.9685599	6.7845322
5170000000	2.670353756	0.733038286	1.716382789	-0.849793788	2.038809515	-1.993639386	1.2184821	0.9067975	1.264563	0.7949101	6.412796
5170000000	2.670353756	0.785398163	1.602750054	-1.207035229	2.376218417	-0.407510849	1.2026451	0.8702584	1.3146523	0.6254851	6.0488642
5170000000	2.670353756	0.837758041	1.408891845	-1.514993239	2.605703984	-5.844394934	1.1761009	0.839944	1.349849	0.5102468	5.7473908
5170000000	2.670353756	0.890117919	1.034036306	-1.606525777	2.67890924	-7.091190082	1.1264238	0.8311391	1.3614148	0.4420186	5.485458
5170000000	2.670353756	0.942477796	0.446116645	-1.433531707	2.613295296	-7.508455375	1.0527029	0.8487586	1.3510293	0.4212862	5.2795728
5170000000	2.670353756	0.994837674	-0.345844214	-1.148893143	2.465829112	-6.489821653	0.9609655	0.8761034	1.32691	0.437306	5.1595015
5170000000	2.670353756	1.047197551	-0.9								

5170000000	2.722713633	-2.565634	-15.46359064	-13.1155609	-9.727815016	-4.418463194	0.1685856	0.2209133	0.3262941	0.6012801	-3.628402
5170000000	2.722713633	-2.513274123	-14.79509082	-10.4771336	-9.830196266	-3.790007247	0.182073	0.2993252	0.3224706	0.6463975	-2.791645
5170000000	2.722713633	-2.460914245	-14.52808947	-9.754452982	-9.753067456	-3.906399566	0.1877567	0.325295	0.3253469	0.6377934	-2.637743
5170000000	2.722713633	-2.408554368	-13.35426896	-10.55835838	-9.089546669	-4.897895639	0.2149248	0.2965392	0.3511743	0.5689908	-2.90399
5170000000	2.722713633	-2.35619449	-11.3635139	-11.15201002	-8.081346519	-6.550366301	0.2702865	0.2769488	0.3943962	0.4704156	-3.023617
5170000000	2.722713633	-2.303834613	-9.89896647	-9.392808996	-7.017571654	-7.711304796	0.3199276	0.3391248	0.4457809	0.4115615	-2.404354
5170000000	2.722713633	-2.251474735	-9.610211393	-7.20266699	-5.927977246	-7.339486384	0.3307421	0.4363817	0.5053603	0.4295618	-1.401175
5170000000	2.722713633	-2.199114858	-10.32016313	-6.024392803	-4.907406982	-6.369997845	0.3047838	0.4097517	0.568368	0.4802862	-0.662062
5170000000	2.722713633	-2.14675498	-10.42543949	-5.873208744	-4.197005655	-5.38534574	0.301112	0.5085569	0.6168076	0.57379083	-0.156069
5170000000	2.722713633	-2.094395102	-8.454307763	-6.448155235	-3.9747101013	-4.57252692	0.3778197	0.4759839	0.6327978	0.6183561	0.4442666
5170000000	2.722713633	-2.042035225	-6.274527233	-7.388276983	-4.21376903	-2.912441197	0.4855944	0.4271556	0.6156183	0.7151184	0.9978702
5170000000	2.722713633	-1.986765347	-5.204327039	-8.339218892	-4.6422058	-2.091005229	0.5492672	0.3828592	0.5859893	0.7860492	1.2296712
5170000000	2.722713633	-1.93731547	-5.308388226	-8.862590944	-4.84059316	-1.957954188	0.542726	0.3604711	0.5727569	0.7891827	1.1157312
5170000000	2.722713633	-1.884955592	-5.85757886	-8.406816795	-4.591003846	-2.363884904	0.5094729	0.3798911	0.5894538	0.7617382	0.9865165
5170000000	2.722713633	-1.832595715	-5.44234083	-7.045981008	-4.048642014	-2.728906953	0.5344203	0.4443252	0.6274338	0.7303897	1.3509724
5170000000	2.722713633	-1.780235837	-4.050582297	-5.551556077	-3.442208561	-2.47989761	0.6272936	0.5277427	0.6728056	0.7516318	2.2100219
5170000000	2.722713633	-1.72787596	-2.901143368	-4.457136312	-2.866402003	-1.871339521	0.7160491	0.5986089	0.7189189	0.8061819	3.0450293
5170000000	2.722713633	-1.675516082	-2.482832012	-3.881126277	-2.33537188	-1.519500458	0.7513779	0.6396519	0.7642429	0.8395083	3.5067012
5170000000	2.722713633	-1.623156204	-2.627430667	-3.716964706	-1.874738653	-1.660780371	0.7389728	0.6518561	0.8058664	0.8259637	3.5871836
5170000000	2.722713633	-1.570796327	-2.646488215	-3.755372075	-1.544542741	-2.124676605	0.7373532	0.6489801	0.8370914	0.7830079	3.5404297
5170000000	2.722713633	-1.518436449	-1.825904898	-3.812544121	-1.399573273	-2.485737754	0.8104099	0.6447225	0.8511799	0.7511265	3.6865555
5170000000	2.722713633	-1.466076572	-0.503146342	-3.866640508	-1.437712661	-2.424366491	0.943719	0.6407195	0.8474506	0.7564525	4.050697
5170000000	2.722713633	-1.413716694	0.626287721	-4.015528387	-1.577360149	-2.108964689	1.074672	0.6298303	0.8339346	0.7844256	4.098964
5170000000	2.722713633	-1.361356817	1.408739437	-4.248694438	-1.678535829	-1.910422001	1.1760803	0.6131479	0.8242771	0.8025626	4.6499299
5170000000	2.722713633	-1.308996939	2.061794885	-4.302503659	-1.603613546	-1.97757217	1.2679138	0.6093612	0.8314178	0.8096244	4.8846894
5170000000	2.722713633	-1.256637061	2.783579527	-3.918109514	-1.290607508	-1.90246387	1.3777771	0.6369394	0.861919	0.8032982	5.2961878
5170000000	2.722713633	-1.8325971184	3.501249326	-3.300897435	-0.88667323	-1.491986282	1.4964509	0.683841	0.9132015	0.8421718	5.879763
5170000000	2.722713633	-1.151917306	3.974448282	-2.943643507	-0.21748348	-1.974786259	1.5802377	0.7125541	0.9752722	0.9175626	6.4160995
5170000000	2.722713633	-1.099557429	4.05135969	-3.173105612	0.315471895	-0.108801947	1.5942924	0.5986764	1.0369877	0.9875518	6.6746033
5170000000	2.722713633	-1.047197551	3.802884373	-3.995104203	0.771631331	0.067422769	1.549331	0.6313131	1.0929029	1.0077925	6.6109935
5170000000	2.722713633	-0.994837674	3.524079697	-4.99526214	1.760730302	-0.24447272	1.5003894	0.5626481	1.1449952	0.9722464	6.4035058
5170000000	2.722713633	-0.942477796	3.528921629	-5.458471968	1.561743944	-0.783430198	1.501226	0.5334287	1.1968908	0.9137523	6.3307306
5170000000	2.722713633	-0.890117919	3.810369442	-5.214036422	1.916219447	-1.294908952	1.5506667	0.5486535	1.2468407	0.8614986	6.4602119
5170000000	2.722713633	-0.837758041	4.087134935	-4.707269122	2.166332235	-1.821676476	1.6008725	0.5816163	1.2877057	0.8108045	6.6103026
5170000000	2.722713633	-0.785398163	4.158965161	-4.067156405	2.399190043	-2.477173939	1.6141662	0.6260978	1.3181338	0.7518675	6.6694802
5170000000	2.722713633	-0.733038286	4.044586283	-3.162385629	2.599638632	-3.066600331	1.5930497	0.6948335	1.3489068	0.7025383	6.7278499
5170000000	2.722713633	-0.680678408	3.875298629	-2.157640384	2.885089673	-3.206173617	1.5623018	0.780042	1.3939734	0.6913394	6.9028787
5170000000	2.722713633	-0.628318531	3.713556245	-1.396517855	2.241582687	-2.850137841	1.5334789	0.8514793	1.4523762	0.7202663	7.1541258
5170000000	2.722713633	-0.575958653	3.488290105	-0.973611048	3.545791431	-2.268341516	1.4942199	0.8939628	1.5044145	0.7701635	7.3517596
5170000000	2.722713633	-0.523598776	3.094645383	-0.644154543	3.672103847	-1.599679165	1.4280134	0.9285222	1.526178	0.8317945	7.4481277
5170000000	2.722713633	-0.471238898	2.502608262	-0.11891251	3.576432864	-0.881374161	1.3339219	0.986403	1.5094601	0.9030565	7.6826652
5170000000	2.722713633	-0.41887902	1.790916548	0.520076742	3.306233976	-0.240805932	1.2289829	1.0617049	1.463227	0.972657	7.4730252
5170000000	2.722713633	-0.366519143	1.115482456	0.952589033	2.961737821	0.251817392	1.1370358	1.1159107	1.4063289	1.0294159	7.4004328
5170000000	2.722713633	-0.314159265	0.621194473	1.056362076	2.628930727	0.779699034	1.0741371	1.1293228	1.3534635	1.0939185	7.3300315
5170000000	2.722713633	-0.261799388	0.352413916	1.055106973	2.32832242	1.547573631	1.0414075	1.1291596	1.307423	1.1950297	7.3713525
5170000000	2.722713633	-0.20943951	0.244362447	1.300155415	2.040617329	2.3735426	1.0285327	1.1614694	1.2648262	1.3142474	7.5480846
5170000000	2.722713633	-0.157079633	0.184168369	1.831306675	1.789036108	2.872509247	1.0214296	1.232155	1.2287168	1.3919559	7.7375689
5170000000	2.722713633	-0.104719755	0.068878413	2.283399558	1.670524561	2.884517935	1.0079614	1.3006785	1.2120659	1.3938816	7.8091416
5170000000	2.722713633	-0.052359878	-0.16159383	2.500173934	1.768679927	2.62858512	0.9815678	1.3335481	1.2255866	1.3534096	7.7727884
5170000000	2.722713633	-4.44E-16	-0.493607444	2.518695187	2.036234511	2.560234511	0.9447559	1.3363947	1.2644666	1.3428012	7.7627676
5170000000	2.722713633	0.052359878	-0.821056371	2.515445741	2.395807972	2.813103246	0.9098026	1.3357429	1.3121709	1.3824682	7.8542637
5170000000	2.722713633	0.104719755	-0.996612351	2.54250211	2.62951347	3.003953679	0.8915986	1.3400627	1.3535543	1.4131807	7.9560136
5170000000	2.722713633	0.157079633	-0.950111498	2.48525244	2.579385453	2.836793742	0.8963847	1.3212592	1.3796511	1.386244	7.947569
5170000000	2.722713633	0.20943951	-0.735761988	2.250762466	2.829162727	2.498177741	0.9187808	1.2958004	1.3850267	1.3324217	7.8413575
5170000000	2.722713633	0.261799388	-0.439397148	1.932159922	2.217760666	2.442793788	0.9506708	1.249131	1.3680061	1.3247676	7.7701508
5170000000	2.722713633	0.314159265	-0.076227576	1.739208549	2.505786387	2.644842129	0.9912624	1.2216883	1.3344101	1.3559451	7.7891799
5170000000	2.722713633	0.366519143	0.396873866	1.740377293	2.566869424	2.550630878	1.0467517	1.2248527	1.296685	1.3413174	7.7905252
5170000000	2.722713633	0.41887902	0.972485703	1.755927539	2.047467505	1.849529356	1.1184699	1.2204022	1.2658241	1.2373041	7.6864236
5170000000	2.722713633	0.471238898	1.536837982	1.560686897	1.894585511	0.917315757	1.1935535	1.1968352	1.244437	1.1113882	7.5063463
5170000000	2.722713633	0.523598776	1.948075883	1.071522254	1.791495257	0.612560015	1.251422	1.1312296	1.2290647	1.1073069	7.3933181
5170000000	2.722713633	0.575958653	2.137204416	0.380542636	1.713343098	0.882812885	1.2789696	1.0447855	1.2180557	1.1069822	7.3262043
5170000000	2.722713633	0.628318531	2.137455605	-0.312975073	1.694865395	0.772321903	1.2790066	0.9646089	1.2154673	1.0929898	7.1435835
5170000000	2.722713633	0.680678408	2.044824794	-0.868511689	1.757885395	-0.276896554	1.2654391	0.9048455	1.2268579	0.9686239	6.7806098
5170000000	2.722713633	0.733038286	1.93449498	-1.326361758	1.945425578	-2.271450434	1.2494669	0.8538446	1.2510402	0.9798879	6.2958341
5170000000	2.722713633	0.785398163	1.790519492	-1.781307448	2.122337081	-4.618866552	1.2289267	0.8145817	1.2767823	0.587566	5.8181276
5170000000	2.722713633	0.837758041	1.521930063	-2.163883191	2.20325999	-6.111423661	1.1915067	0.7794816	1.2887331	0.494799	5.4704896
5170000000	2.722713633	0.890117919	1.04415017	-2.243922097	2.122439391	-6.162039215	1.1277362	0.7723138	1.2767841	0.491924	5.2698242
5170000000	2.722713633	0.942477796									

5170000000	2.775073511	-2.670353756	-16.90260434	-19.43528336	-10.86912135	-6.646834684	0.1428466	0.1067175	0.2861172	0.4652199	-6.012776
5170000000	2.775073511	-2.617993878	-14.96579608	-14.90431294	-9.987534101	-5.387067157	0.1785296	0.1797978	0.3166819	0.537382	-4.34452
5170000000	2.775073511	-2.565634	-13.88766457	-11.55315094	-9.328998231	-4.521447816	0.2021235	0.2644493	0.3416253	0.5941931	-3.083216
5170000000	2.775073511	-2.513274123	-13.32613054	-9.445352913	-9.150354743	-2.00069807	0.2156222	0.3370795	0.3487243	0.61659	-2.395072
5170000000	2.775073511	-2.460914245	-12.6991337	-8.80657922	-9.025296414	-6.456424613	0.2317626	0.3617988	0.3537815	0.5851521	-2.312619
5170000000	2.775073511	-2.408554368	-11.51929911	-9.906519623	-8.403278185	-6.159066092	0.265482	0.3196495	0.3800459	0.4920924	-2.7498
5170000000	2.775073511	-2.35619449	-10.19045502	-12.40173372	-7.374765708	-8.357430558	0.3093693	0.2398354	0.4278206	0.3820573	-3.355683
5170000000	2.775073511	-2.30384613	-9.400812012	-13.12212878	-6.319316631	-8.763437701	0.3388125	0.2207464	0.4830968	0.3646096	-3.053081
5170000000	2.775073511	-2.251474735	-9.348673528	-10.44115983	-5.360040199	-6.844826164	0.3408524	0.3005675	0.5395081	0.4594735	-1.746722
5170000000	2.775073511	-2.199114858	-9.444628433	-8.257701987	-4.525914117	-5.199321416	0.3371076	0.3864692	0.5938877	0.5495838	-0.597489
5170000000	2.775073511	-2.14675498	-8.524166524	-7.287797775	-3.955973157	-4.26684994	0.3747932	0.4321257	0.6341636	0.6118677	0.2269684
5170000000	2.775073511	-2.094395102	-6.786917098	-7.217820758	-3.818769303	-3.611637812	0.4577772	0.4356212	0.6442605	0.6598088	0.8178501
5170000000	2.775073511	-2.042035225	-5.445505186	-7.777571132	-4.151029691	-3.058994186	0.5342257	0.4084336	0.6200811	0.7031537	1.0841923
5170000000	2.775073511	-1.989675347	-5.001267143	-8.832678299	-4.756175325	-2.846057326	0.5622593	0.3617146	0.5783507	0.7206048	0.9179133
5170000000	2.775073511	-1.93731547	-5.205892798	-10.09267919	-5.213319197	-3.184590125	0.5491682	0.3128715	0.5486988	0.6930595	0.4394808
5170000000	2.775073511	-1.884955592	-5.147818082	-10.40722379	-5.175604464	-3.872360377	0.5528523	0.3017441	0.5510865	0.6402978	0.1974305
5170000000	2.775073511	-1.832595715	-4.243372847	-8.867026503	-4.705475328	-4.159749159	0.6135237	0.3602871	0.5817364	0.619459	0.7286099
5170000000	2.775073511	-1.780235837	-3.227738179	-6.753800134	-4.067147955	-3.598101607	0.6896251	0.4595259	0.6260984	0.6608379	1.7132571
5170000000	2.775073511	-1.72787596	-2.839288992	-5.134191259	-3.419790595	-2.852052113	0.7211665	0.5537203	0.6745443	0.7223518	2.5154233
5170000000	2.775073511	-1.675516082	-3.182150843	-4.180481974	-2.820045487	-2.482698226	0.6932541	0.6179821	0.722766	0.7513894	2.8771256
5170000000	2.775073511	-1.623156204	-3.758781054	-3.760954669	-2.316811995	-2.664258202	0.6487255	0.6485631	0.7659156	0.7358463	2.9196148
5170000000	2.775073511	-1.570796327	-3.485533112	-3.67207103	-1.977226134	-3.071024693	0.669458	0.655234	0.7964136	0.7021805	2.9944982
5170000000	2.775073511	-1.518436449	-2.093159214	-3.751238513	-1.852745281	-3.201206047	0.7858543	0.649289	0.8079095	0.6917349	3.3309342
5170000000	2.775073511	-1.466076572	-0.580491737	-3.973457566	-1.932808486	-2.835279652	0.9353527	0.6328884	0.8013266	0.7214995	3.781569
5170000000	2.775073511	-1.413716694	0.4844689	-4.414086282	-2.081478317	-2.329318274	1.0573614	0.6015832	0.7869118	0.7647757	4.112121
5170000000	2.775073511	-1.361356817	1.185959207	-5.028672044	-2.155767263	-2.079891637	1.1462991	0.5604881	0.7802102	0.7870556	4.2811143
5170000000	2.775073511	-1.308996939	1.819028947	-5.406710225	-1.994288676	-2.100240301	1.232967	0.5366226	0.7948507	0.7852139	4.4793996
5170000000	2.775073511	-1.256637061	2.515578172	-5.030626617	-1.955648273	-2.047230561	1.3359153	0.560362	0.8362143	0.7900207	4.9164503
5170000000	2.775073511	-1.204277184	3.125328511	-4.131864823	-0.923412535	-1.564079355	1.4330668	0.6214508	0.8991443	0.8352107	5.5495999
5170000000	2.775073511	-1.151917306	3.43216159	-3.438593712	-0.250685695	-0.782575734	1.4845953	0.6730806	0.9715513	0.9138422	6.1163347
5170000000	2.775073511	-1.099557429	3.384030693	-3.394563444	0.355721551	-0.213750018	1.4763915	0.6750563	1.0418041	0.9756914	6.3829405
5170000000	2.775073511	-1.047197551	3.177444041	-4.075145434	0.864161336	-0.213503923	1.441691	0.6255222	1.1046077	0.9757191	6.3352118
5170000000	2.775073511	-0.994837674	3.161150983	-5.233650818	1.299556698	-0.752435811	1.4389892	0.547416	1.1613893	0.9170187	6.1602121
5170000000	2.775073511	-0.942477796	3.488167413	-6.303448056	1.693366092	-1.449097155	1.4941988	0.4839802	1.2152576	0.8463405	6.106548
5170000000	2.775073511	-0.890177919	3.93243381	-6.773957814	2.047174145	-1.940470819	1.5726124	0.4584607	1.2657814	0.7997909	6.2279675
5170000000	2.775073511	-0.837758041	4.192513319	-6.546265327	2.347166977	-2.315667665	1.6204128	0.4706377	1.3102626	0.7659786	6.3764781
5170000000	2.775073511	-0.785398163	4.162795462	-5.549393649	2.608593301	-2.794214609	1.6148782	0.5278741	1.3502981	0.7249186	6.4814678
5170000000	2.775073511	-0.733038286	3.939238551	-3.965346633	2.882082047	-3.230391175	1.5738449	0.6334797	1.393511	0.6894145	6.6290523
5170000000	2.775073511	-0.680678408	3.683691652	-2.43973594	3.195257993	-2.327284035	1.5282154	0.7551152	1.4446509	0.6888677	6.6881614
5170000000	2.775073511	-0.628318531	3.457087065	-1.436902439	3.496610098	-2.762066909	1.4888617	0.8475296	1.4956518	0.7276066	7.1580298
5170000000	2.775073511	-0.575958653	3.182856368	-0.976326084	3.685181201	-2.105711015	1.4425897	0.8936834	1.5284775	0.7847195	7.3274693
5170000000	2.775073511	-0.523598776	2.757246108	-0.717819385	3.68496938	-1.426853308	1.3736064	0.9206807	1.5284404	0.8485107	7.3680403
5170000000	2.775073511	-0.471238898	2.15558595	-2.05765877	3.490074059	-0.738062476	1.2816791	0.9708739	1.4945268	0.9185375	7.3755151
5170000000	2.775073511	-0.41887902	1.469874331	0.388250087	3.163503621	-0.136998976	1.1843872	1.045713	1.4393791	0.9843511	7.3356112
5170000000	2.775073511	-0.366519143	0.866755451	0.867729623	2.800354525	0.314524409	1.1049377	1.1050616	1.3804406	1.0368746	7.2859803
5170000000	2.775073511	-0.314159265	0.467729466	1.019602485	2.469070477	0.818248075	1.0553256	1.1245535	1.3287813	1.0981519	7.2474105
5170000000	2.775073511	-0.261799388	0.268129011	1.056005164	2.176764544	1.584259311	1.0313509	1.1292764	1.284808	1.2000876	7.3200923
5170000000	2.775073511	-0.20943951	0.184029791	1.32836665	1.906576772	1.453573256	1.0214133	1.1265247	1.2454573	1.323362	7.252881
5170000000	2.775073511	-0.157079633	0.125804172	1.854196254	1.691203116	2.947241459	1.0145891	1.2379691	1.2149549	1.4039837	7.3264887
5170000000	2.775073511	-0.104719755	0.019640246	2.319348498	1.622757291	2.590885017	1.0022637	1.3060729	1.2054185	1.4045728	7.8157498
5170000000	2.775073511	-0.052359878	-0.186561398	2.518934514	1.758250764	2.663709493	0.9787503	1.3364316	1.2243696	1.3588937	7.7805651
5170000000	2.775073511	-4.44E-16	-0.493607699	2.51869512	2.038146786	2.56023425	0.9447559	1.3363947	1.2644665	1.3428012	7.7627674
5170000000	2.775073511	0.052359878	-0.818090585	2.503638599	2.34068921	2.796339718	0.9101133	1.3340802	1.3092858	1.3798027	7.8421189
5170000000	2.775073511	0.104719755	-1.021159106	2.528451704	2.576378133	2.980624711	0.8890825	1.378967	1.3452993	1.4093902	7.9268968
5170000000	2.775073511	0.157079633	-0.105675427	2.465170697	2.705259724	2.798115527	0.8896439	1.3281849	1.3654097	1.3800848	7.9848515
5170000000	2.775073511	0.20943951	-0.836078801	2.208292113	2.710683734	2.432952768	0.9082305	1.28948	1.3662626	1.3232675	7.7606744
5170000000	2.775073511	0.261799388	-0.572151764	1.841890631	2.596354043	2.360598816	0.9362513	1.2362165	1.3483968	1.3122904	7.6604013
5170000000	2.775073511	0.314159265	-0.260816216	1.590995792	2.406910368	2.566158332	0.9704188	1.2010188	1.313906	1.3437173	7.666361
5170000000	2.775073511	0.366519143	0.131331501	1.566538917	2.224729321	2.480813431	1.015235	1.1976418	1.2919225	1.330579	7.6680093
5170000000	2.775073511	0.41887902	0.624637652	1.608091273	1.219261219	1.792352539	1.074563	1.2038349	1.2763302	1.2291861	7.5742507
5170000000	2.775073511	0.471238898	1.154847821	1.462373127	2.095780912	0.900463781	1.1422006	1.1833648	1.2728846	1.109234	7.4355464
5170000000	2.775073511	0.523598776	1.60948935	0.997376334	2.107032107	0.655164113	1.2035786	1.1216796	1.2745345	1.0783462	7.3808624
5170000000	2.775073511	0.575958653	1.910835232	0.262301352	2.109646701	0.928090375	1.2460681	1.0306592	1.2749182	1.1126777	7.3553404
5170000000	2.775073511	0.628318531	2.050964231	-0.54889829	2.101424023	1.471996653	1.2663338	0.938761	1.2737119	1.0891804	7.1738976
5170000000	2.775073511	0.680678408	2.067979329	-1.245657265	2.111846009	-0.455586108	1.2688169	0.8663974	1.2752411	0.9489005	6.7678468
5170000000	2.775073511	0.733038286	1.992259896	-1.822725103	2.157160464	-2.661712117	1.2578041	0.8017067	1.2819114	0.736062	6.2063965
5170000000	2.775073511	0.785398163	1.804599769	-2.387054497	2.201411981	-5.074588941	1.2309205	0.759709	1.288459	0.557533	5.658379
5170000000	2.775073511	0.837758041									

5170000000	2.827433388	-2.775073511	-22.14377937	-16.88769383	-12.22878438	-7.934144059	0.0781288	0.143092	0.2446588	0.4011371	-7.260052
5170000000	2.827433388	-2.722713633	-17.33508949	-22.21262491	-12.34665139	-7.376588433	0.1359082	0.077512	0.2413612	0.4277309	-7.106186
5170000000	2.827433388	-2.670353756	-14.73183636	-17.28958369	-11.74248887	-6.205208335	0.1834037	0.1366221	0.2587471	0.4894852	-5.447076
5170000000	2.827433388	-2.617993878	-13.46277704	-12.90600777	-10.3633521	-5.220446116	0.2122566	0.2263078	0.3032721	0.5482488	-3.808232
5170000000	2.827433388	-2.565634	-12.75790821	-10.21265049	-9.236726011	-4.748107976	0.2301996	0.3085798	0.3452739	0.5788881	-2.716062
5170000000	2.827433388	-2.513274123	-11.97274018	-8.454735176	-8.765042181	-4.830099733	0.2519782	0.3708011	0.3645423	0.5734493	-2.114948
5170000000	2.827433388	-2.466091425	-10.85323	-7.759617478	-5.852349378	-5.724330746	0.2866411	0.4027287	0.3735791	0.5173488	-2.009895
5170000000	2.827433388	-2.408554368	-9.699108665	-8.431980211	-7.944759148	-7.744814961	0.3273743	0.3787922	0.4006471	0.4099768	-2.402089
5170000000	2.827433388	-2.35619449	-8.990658422	-10.72238335	-9.677351843	-9.728800917	0.3551592	0.2909919	0.4530573	0.3262571	-2.941378
5170000000	2.827433388	-2.30384613	-8.991094096	-14.10056411	-5.776363024	-8.164100994	0.3551774	0.1972295	0.5142589	0.3906564	-2.749488
5170000000	2.827433388	-2.251474735	-9.504330388	-14.13703163	-4.869007306	-5.528802716	0.3347985	0.1964031	0.5708863	0.5291269	-1.770377
5170000000	2.827433388	-2.199114858	-9.570315743	-11.27215626	-4.174324605	-4.075947705	0.3322647	0.2731443	0.6184203	0.6254644	-0.680482
5170000000	2.827433388	-2.14675498	-8.434091797	-9.329067474	-3.740963929	-3.666970531	0.3787001	0.3416226	0.6500575	0.6565189	0.1121854
5170000000	2.827433388	-2.094395102	-7.024074665	-8.47593128	-3.684370748	-3.757628694	0.4454472	0.3768803	0.6543068	0.6488115	0.5284013
5170000000	2.827433388	-2.042035225	-6.302273727	-8.484796294	-4.058475612	-3.93888332	0.4840456	0.3764958	0.6267238	0.6354126	0.5170822
5170000000	2.827433388	-1.989675347	-6.383212678	-9.345228988	-4.721161003	-4.247641634	0.479556	0.3409876	0.5806868	0.6132223	0.0625415
5170000000	2.827433388	-1.93731547	-6.609939727	-11.07132393	-5.295021037	-4.866134258	0.4672002	0.2795335	0.5435618	0.5710752	-0.623943
5170000000	2.827433388	-1.884955592	-5.998444469	-12.57807204	-5.399228786	-5.477460571	0.501277	0.2350154	0.5370795	0.5322639	-0.887997
5170000000	2.827433388	-1.832595715	-4.826020921	-11.10200133	-5.014409542	-5.246595999	0.5737186	0.2785479	0.5614092	0.5466007	-0.174253
5170000000	2.827433388	-1.780235837	-4.112031109	-8.124919949	-4.37290996	-4.198772496	0.6228715	0.3924226	0.6039979	0.6166821	0.9687357
5170000000	2.827433388	-1.72787596	-4.279419146	-5.797694665	-3.678885285	-3.231198698	0.6108929	0.5129975	0.6542702	0.6893505	1.8264829
5170000000	2.827433388	-1.675516082	-5.087755943	-4.322973775	-3.007402216	-2.79321357	0.5566884	0.6079268	0.7073427	0.7250022	2.2687059
5170000000	2.827433388	-1.623156204	-5.43108981	-3.489456217	-2.443821241	-2.815970875	0.535113	0.6691557	0.7547601	0.7231052	2.5490095
5170000000	2.827433388	-1.570796327	-4.242579009	-3.076966602	-2.069606855	-2.952201578	0.6135798	0.7017003	0.7879881	0.7118523	2.96934
5170000000	2.827433388	-1.518436449	-2.417256327	-2.946810349	-1.795077877	-2.797100603	0.757072	0.7122943	0.8007024	0.7246778	3.5066014
5170000000	2.827433388	-1.466076572	-0.984245818	-3.090597058	-1.993493342	-2.300131554	0.8928689	0.7006	0.7949235	0.7673499	3.9614307
5170000000	2.827433388	-1.413716694	-0.079619493	-3.589193785	-2.133923027	-1.814274331	0.9908754	0.6615159	0.7822227	0.8114958	4.2066641
5170000000	2.827433388	-1.361356817	0.569138483	-4.456972785	-2.169476251	-1.626936791	1.0677189	0.5986022	0.7789798	0.8291883	4.2823189
5170000000	2.827433388	-1.308996939	1.236114329	-5.386941174	-1.95162501	-1.712463777	1.1529374	0.2795335	0.7987645	0.8210636	4.3775482
5170000000	2.827433388	-1.256637061	1.925592393	-5.663319418	-1.454292645	-1.774627937	1.2481869	0.5209956	0.8458344	0.8152083	4.6858528
5170000000	2.827433388	-1.204277184	2.439900085	-5.045334244	-0.786752216	-1.495276203	1.3243263	0.5594139	0.9134029	0.8418529	5.1990317
5170000000	2.827433388	-1.151917306	2.648561518	-4.280947133	-1.00340524	-0.968593398	1.3565259	0.6108754	0.9885143	0.894349	5.6892116
5170000000	2.827433388	-1.099557429	2.642401048	-4.043753235	-0.50578843	-0.681659753	1.3555641	0.627787	1.0599599	0.9245215	5.9504666
5170000000	2.827433388	-1.047197551	2.708007366	-4.526275744	1.010111959	-0.292188747	1.3658417	0.5938629	1.1233254	0.9820528	5.9663238
5170000000	2.827433388	-0.994837674	3.067245918	-5.590008861	1.414128874	-1.834094973	1.4235158	0.5254115	1.1805012	0.8096461	5.8872843
5170000000	2.827433388	-0.942477796	3.606546248	-6.883263456	1.834001721	-2.670773598	1.5147024	0.4527274	1.2350942	0.7532945	5.8845141
5170000000	2.827433388	-0.89017919	4.026631209	-8.019949611	2.200606387	-3.015315099	1.58976	0.3971939	1.2882594	0.7066986	5.9812329
5170000000	2.827433388	-0.837758041	4.136853248	-8.458207548	2.536721103	-3.094918824	1.6100622	0.3776501	1.3391711	0.7002515	6.0793237
5170000000	2.827433388	-0.785398163	3.945660131	-7.30047186	2.850349506	-3.284424404	1.5750089	0.4314956	1.3884092	0.6848223	6.1920412
5170000000	2.827433388	-0.733082826	3.609791487	-4.991945139	3.15358158	-3.493003213	1.5152684	0.5628631	1.4377358	0.6688825	6.41279
5170000000	2.827433388	-0.680678408	3.296801559	-2.911708669	3.432904329	-3.31537012	1.4616388	0.7151787	1.4847222	0.6827025	6.7376809
5170000000	2.827433388	-0.628318531	3.040052946	-1.616329632	3.634413972	-2.696697472	1.4190662	0.8302015	1.51957	0.7331032	7.0473958
5170000000	2.827433388	-0.575958653	2.744833178	-1.033931645	3.693706975	-1.953663365	1.3716448	0.8878313	1.5299786	0.7985771	7.2119282
5170000000	2.827433388	-0.523598776	2.311174204	-0.759935228	3.578789204	-1.250667114	1.3048444	0.9162272	1.5098697	0.8658978	7.2285862
5170000000	2.827433388	-0.471238898	1.728412621	-0.328237646	3.311496049	-0.582366455	1.2201708	0.9629154	1.4641137	0.9351509	7.2011666
5170000000	2.827433388	-0.41887902	1.10541418	0.306619219	2.960131502	-0.025381506	1.1357185	1.0399313	1.4060659	0.9970821	7.1868382
5170000000	2.827433388	-0.366519143	0.60853731	0.804768214	2.505187219	0.372534175	1.072573	1.0970803	1.3497687	1.0438226	7.1648752
5170000000	2.827433388	-0.314159265	0.31963151	0.989691435	2.29817427	0.833756426	1.0374844	1.1206876	1.3020896	1.1007478	7.1606194
5170000000	2.827433388	-0.261799388	0.18741642	1.064357903	2.018823071	1.609026338	1.0218116	1.1303629	1.2616566	1.2035145	7.2672746
5170000000	2.827433388	-0.20943951	0.123188992	1.368463443	1.737109396	2.485601527	1.0142837	1.1706395	1.2264659	1.3313127	7.4999164
5170000000	2.827433388	-0.157079633	0.06634973	1.904978739	1.598619002	3.016139843	1.007668	1.2425282	1.2020733	1.4151647	7.7302187
5170000000	2.827433388	-0.104719755	-0.029914585	2.359699486	1.580461752	3.013407345	0.9965619	1.3152155	1.1995631	1.4147196	7.8239951
5170000000	2.827433388	-0.0752359878	-0.211744211	2.538477215	1.751862474	2.697719157	0.9759168	1.3394418	1.2234694	1.3642249	7.7887317
5170000000	2.827433388	-4.444-16	-0.493607725	2.518695314	2.03814686	2.560234164	0.9447559	1.3363948	1.2644665	1.3428012	7.7627674
5170000000	2.827433388	0.052359878	-0.813228625	2.493060595	2.321747605	2.77892662	0.9106229	1.3324565	1.3064337	1.3707939	7.8302622
5170000000	2.827433388	0.104719755	-1.04122735	2.54551915	2.523867851	2.957792965	0.8870307	1.3357574	1.3371908	1.4306303	7.8989558
5170000000	2.827433388	0.157079633	-1.07591963	2.465252857	2.614427825	2.762673666	0.8834948	1.3251427	1.3512055	1.374465	7.8439251
5170000000	2.827433388	0.20943951	-0.93114164	2.166737071	2.588237976	2.368770471	0.8983445	1.2833256	1.3471374	1.3135255	7.6804932
5170000000	2.827433388	0.261799388	-0.69848827	1.753431727	2.462918603	2.269885818	0.922732	1.2236905	1.3278406	1.2986565	7.5550824
5170000000	2.827433388	0.314159265	-0.438656219	1.444353982	2.26059016	2.4767997	0.9507519	1.1809124	1.3025756	1.3299643	7.5392075
5170000000	2.827433388	0.366519143	-0.135526732	1.393885152	2.177319882	2.415565615	0.984518	1.1740707	1.2848901	1.3206212	7.5390177
5170000000	2.827433388	0.41887902	0.252414342	1.461688757	2.174182527	1.75985064	1.0294866	1.1832716	1.2844261	1.2245951	7.4615141
5170000000	2.827433388	0.471238898	0.715567448	1.364108821	2.280458148	0.886087521	1.085731	1.1700527	1.3002382	1.1073996	7.353755
5170000000	2.827433388	0.523598776	0.184122064	0.921056888	2.428461796	0.603989551	1.1460567	1.111867	1.3227357	1.0720116	7.333447
5170000000	2.827433388	0.575958653	1.579220644	0.143079025	2.550813287	0.799547592	1.1993917	1.016609	1.3413455	1.0964211	7.3354934
5170000000	2.827433388	0.628318531	1.850576944	-0.781301937	2.61211252	0.530573736	1.2374534	0.9139762	1.3508453	1.0629888	7.1687175
5170000000	2.827433388	0.680678408	1.974957657	-1.614489978	2.624720339	-0.753129444	1.255301	0.8303774	1.3528075	0.9169455	7.6600237
5170000000	2.827433388	0.733082826	1.937								

5170000000	2.879793266	-2.879793266	-19.47283533	-13.02792431	-13.46907297	-8.207367211	0.1062572	0.2231535	0.2121028	0.3887153	-6.648804
5170000000	2.879793266	-2.827433388	-20.73932078	-13.24104604	-13.29439683	-7.715993185	0.0918404	0.2177448	0.2164114	0.4113394	-6.582694
5170000000	2.879793266	-2.775073511	-18.3076012	-17.0145932	-13.30326806	-7.622204676	0.1215122	0.1410166	0.2161905	0.4158051	-6.988756
5170000000	2.879793266	-2.722713633	-15.13514611	-23.15493533	-13.57758004	-6.939949561	0.1750825	0.069543	0.2094696	0.4497825	-6.894808
5170000000	2.879793266	-2.670353756	-12.34883834	-15.82509999	-12.87888734	-5.83027892	0.2175495	0.161713	0.2270156	0.5110767	-5.056778
5170000000	2.879793266	-2.61793878	-12.39977993	-11.54991227	-10.01756528	-5.144937914	0.2398894	0.2645479	0.2815929	0.5530356	-3.484561
5170000000	2.879793266	-2.565634	-11.7314989	-9.26412328	-9.422404117	-5.114148262	0.2590747	0.3441861	0.3379713	0.5549995	-2.206123
5170000000	2.879793266	-2.513274123	-10.58071188	-7.795543901	-6.669575206	-5.685925925	0.295777	0.4075893	0.3685711	0.5196414	-1.984037
5170000000	2.879793266	-2.460914245	-9.254931114	-7.03443927	-8.372431358	-7.039741201	0.3445509	0.4445916	0.381398	0.4464445	-1.85441
5170000000	2.879793266	-2.408545368	-8.386976393	-7.2144432742	-7.804493508	-9.131496606	0.3807599	0.4357911	0.4071696	0.3494823	-2.084905
5170000000	2.879793266	-2.35619449	-8.339842316	-8.456265819	-6.734539991	-5.353830685	0.3828317	0.3777345	0.4603915	0.3406501	-2.149161
5170000000	2.879793266	-2.30384613	-9.218235471	-10.44893741	-5.602923874	-6.558747975	0.3460097	0.3002985	0.5246308	0.4699618	-1.718953
5170000000	2.879793266	-2.251474735	-10.59118899	-11.78340151	-4.731575884	-4.27628768	0.2954204	0.2575312	0.5799909	0.6112032	-1.188944
5170000000	2.879793266	-2.199114858	-10.92747856	-11.15041388	-4.168602747	-3.378145562	0.2842013	0.2769997	0.6188279	0.6777862	-0.64055
5170000000	2.879793266	-2.14675498	-9.786252326	-9.805852278	-3.895066136	-3.618817671	0.3241062	0.3233757	0.6386261	0.6592636	-0.240548
5170000000	2.879793266	-2.094395102	-8.89683446	-8.862749811	-3.944068402	-4.459469639	0.3590528	0.3604645	0.6350334	0.5984481	-0.20656
5170000000	2.879793266	-2.042035225	-9.139229058	-8.606721657	-4.324808448	-5.204440907	0.3491713	0.3712478	0.6077984	0.54926	-0.549105
5170000000	2.879793266	-1.989675347	-10.22729317	-9.23452257	-4.873632553	-5.608335038	0.30806	0.3453615	0.5705824	0.5243041	-1.168241
5170000000	2.879793266	-1.93731547	-10.44058204	-11.03306032	-5.225144532	-5.894508336	0.3005875	0.2807676	0.5479523	0.5073114	-1.741649
5170000000	2.879793266	-1.884955592	-8.868295927	-13.83310767	-5.094820768	-5.837277079	0.3602344	0.203397	0.5562358	0.5106651	-1.774012
5170000000	2.879793266	-1.832595715	-7.386750878	-13.84644009	-4.56234402	-4.985897793	0.4272307	0.230385	0.5914023	0.5632551	-0.987966
5170000000	2.879793266	-1.780235837	-7.007677839	-10.09718989	-3.861914805	-3.729612297	0.4462889	0.3127091	0.6410682	0.6509077	0.1286028
5170000000	2.879793266	-1.72787596	-7.60419464	-6.963180565	-3.133270637	-2.73306379	0.4166681	0.4485811	0.6971659	0.7300403	-1.185418
5170000000	2.879793266	-1.675516082	-7.972549695	-4.919445483	-2.445299182	-2.222710146	0.3993673	0.5675808	0.7546317	0.7742202	1.9235958
5170000000	2.879793266	-1.623156204	-6.587363555	-3.63512005	-1.868916164	-0.92232836	0.4684161	0.6580265	0.8064068	0.7589381	2.6669056
5170000000	2.879793266	-1.570796327	-4.397232872	-2.837446219	-1.479536691	-2.065680522	0.6027516	0.7213195	0.8433797	0.7883444	3.3928689
5170000000	2.879793266	-1.518436449	-2.668092219	-2.378345759	-1.316573241	-1.871290163	0.7355215	0.6704111	0.8593525	0.8061864	3.9773505
5170000000	2.879793266	-1.466076572	-1.578692466	-2.242593877	-1.347285489	-1.495096255	0.8338067	0.7724999	0.8563193	0.8418703	4.3613377
5170000000	2.879793266	-1.413716694	-0.861163408	-2.49603697	-1.460551312	-1.168254787	0.9056113	0.7502364	0.8452252	0.8741526	4.5454561
5170000000	2.879793266	-1.361356817	-0.17712524	-3.180091071	-1.499690043	-1.084365857	0.9798142	0.6934815	0.8414253	0.8826361	4.6020631
5170000000	2.879793266	-1.308996939	0.597088638	-4.169280667	-1.332555017	-1.248351244	1.0711602	0.6817796	0.8577728	0.8661287	4.6442665
5170000000	2.879793266	-1.256637061	1.312307442	-5.030640336	-0.928948182	-1.47611702	1.1630955	0.5603611	0.8985714	0.8437119	4.7531393
5170000000	2.879793266	-1.204277184	1.797369448	-2.57867582	-0.37474183	-1.517677003	1.2298962	0.5447618	0.9577737	0.8396845	5.0379117
5170000000	2.879793266	-1.151917306	2.06442099	-5.080746737	-0.203795694	-1.396643264	1.2682972	0.5571378	1.0237403	0.851467	5.3449425
5170000000	2.879793266	-1.099557429	2.313774252	-5.073448075	-0.724905155	-1.510026478	1.305235	0.5576062	1.0870393	0.8404244	5.5258832
5170000000	2.879793266	-1.047197551	2.745460774	-5.603775851	1.175793116	-2.208018365	1.3717439	0.5245794	1.1449583	0.7755309	5.6134164
5170000000	2.879793266	-0.994837674	3.324517307	-6.61748522	1.586120679	-3.379050309	1.4663102	0.4667945	1.2003449	0.6777156	5.6005556
5170000000	2.879793266	-0.942477796	3.821527201	-7.854572664	1.986369433	-4.279860304	1.55266	0.4048288	1.2569514	0.6109519	5.6329189
5170000000	2.879793266	-0.890117919	4.035429799	-9.159843534	2.38179505	-4.31718712	1.5913712	0.3483436	1.3154967	0.608332	5.719116
5170000000	2.879793266	-0.837758041	3.909755325	-10.10227793	2.756525774	-3.989329077	1.5685117	0.312526	1.3734925	0.631733	5.7700442
5170000000	2.879793266	-0.785398163	3.541649651	-8.972313912	3.091366901	-3.852868191	1.5034275	0.3559462	1.4274745	0.6447363	5.8641218
5170000000	2.879793266	-0.733038286	3.121976597	-6.06297062	3.368150233	-3.815197421	1.4325139	0.4975669	1.4736947	0.6445255	6.1248559
5170000000	2.879793266	-0.680678408	2.791310159	-3.507577622	3.560880641	-3.452052227	1.3790039	0.6677611	1.5067598	0.6720435	6.4971028
5170000000	2.879793266	-0.628318531	2.531388621	-1.929491096	3.635971879	-2.687628454	1.3383492	0.8008025	1.5198425	0.7338691	6.8343535
5170000000	2.879793266	-0.575958653	2.228787854	-1.174882752	3.56942574	-1.849240585	1.2952563	0.8734458	1.5081937	0.8082366	7.0096926
5170000000	2.879793266	-0.523598776	1.799142013	-0.808253534	3.364336887	-1.103750874	1.2301473	0.9111446	1.4730481	0.8806685	7.0340104
5170000000	2.879793266	-0.471238898	1.256776599	-0.352238744	3.060092445	-0.437707909	1.1556833	0.9602583	1.4223439	0.9508557	7.0226653
5170000000	2.879793266	-0.41887902	0.727541757	0.273194978	2.718153455	-0.081770884	1.0873694	1.3319526	1.3674381	1.0094587	7.0363487
5170000000	2.879793266	-0.366519143	0.361250726	0.767971827	2.395233642	0.422742311	1.0426475	1.0924425	1.3175335	1.0498738	7.0481223
5170000000	2.879793266	-0.314159265	0.186455358	0.97066347	2.113559356	0.842971634	1.0216985	1.1182352	1.2754927	1.1019162	7.0770608
5170000000	2.879793266	-0.261793988	0.113959909	1.082099953	1.86313665	1.624433311	1.0132066	1.1326742	1.2392407	1.2065512	7.1271158
5170000000	2.879793266	-0.20943951	0.063816998	1.240550762	1.645643105	2.531072747	1.0073743	1.1776806	1.2085988	1.3383005	7.0482107
5170000000	2.879793266	-0.157079633	0.007084603	1.965161875	1.514271524	3.079587364	1.000816	1.2538861	1.1904566	1.4255399	7.1732252
5170000000	2.879793266	-0.104719755	-0.079160792	2.404124877	1.544707992	3.071988895	0.9909277	1.3188829	1.1946355	1.4242933	7.8341172
5170000000	2.879793266	-0.052359878	-0.236973011	2.558700636	1.74875493	2.730481263	0.9730863	1.3425641	1.222908	1.3693803	7.7973825
5170000000	2.879793266	-4.444-16	-0.493607604	2.518695002	2.037623443	2.56023443	0.9447559	1.3363947	1.2644665	1.3428012	7.7627673
5170000000	2.879793266	0.052359878	-0.806363492	2.482720789	2.303179488	2.76084337	0.9113429	1.3308712	1.3036439	1.3741754	7.8187612
5170000000	2.879793266	0.104719755	-1.056043555	2.500794161	2.472973724	2.935350539	0.8855189	1.3336434	1.3293786	1.402063	7.8725636
5170000000	2.879793266	0.157079633	-1.1287899	2.42577517	2.525499909	2.730343555	0.8781334	1.3221744	1.3374421	1.3693585	7.7959134
5170000000	2.879793266	0.20943951	-1.017184099	2.127450299	2.46483528	2.305670389	0.8894894	1.2755341	1.3283857	1.3040178	7.6031876
5170000000	2.879793266	0.261799388	-0.811214003	1.670223364	2.327531497	2.171178455	0.9108341	1.2120329	1.307304	1.283982	7.4474568
5170000000	2.879793266	0.314159265	-0.594280562	1.3044306	2.178429381	2.378435579	0.933869	1.1620412	1.2850543	1.314988	7.4138739
5170000000	2.879793266	0.366519143	-0.372777199	1.226526463	1.142296937	2.356414674	0.9579904	1.1516654	1.275601	1.3116584	7.4156543
5170000000	2.879793266	0.41887902	-0.094147376	1.3176746	2.200898642	1.748086783	0.9892194	1.1638144	1.2882628	1.2229377	7.3550074
5170000000	2.879793266	0.471238898	0.28359764	1.264971305	2.42095521	0.861775645	1.0331893	1.1567741	1.3214409	1.1043043	7.2641679
5170000000	2.879793266	0.523598776	0.742736901	0.843637597	2.69594167	0.449213402	1.0892733	1.1020007	1.3638911	1.0530783	7.2501084
5170000000	2.879793266	0.575958653	1.211812541	0.029732039	2.931758983	0.502239389	1.1497161	1.0034829	1.4014834	1.059269	7.2612442
5170000000	2.879793266	0.628318531	1.598757339	-0.99							

5170000000	2.932153143	-2.984513021	-16.51269522	-19.36204786	-13.61909756	-10.87274381	0.149405	0.1076211	0.2084707	0.2859979	-8.50208
5170000000	2.932153143	-2.932153143	-16.70008644	-15.25957928	-13.92252934	-9.015348311	0.1462163	0.1725921	0.2013138	0.354187	-7.187299
5170000000	2.932153143	-2.879793266	-17.29129197	-12.65543766	-14.35311278	-7.717640631	0.1365952	0.2329314	0.1915774	0.4112614	-6.264009
5170000000	2.932153143	-2.872433388	-17.3255532	-12.89828436	-14.28624273	-7.314096547	0.1360575	0.2265902	0.193054	0.4308193	-6.139187
5170000000	2.932153143	-2.775073511	-15.71240158	-17.0714312	-14.28317434	-7.242610137	0.1638249	0.140037	0.1931142	0.4343797	-6.638288
5170000000	2.932153143	-2.722713633	-13.59792697	-24.34144727	-14.67516081	-6.548736147	0.2089795	0.0606635	0.1846004	0.4705039	-6.700102
5170000000	2.932153143	-2.670353756	-12.20851989	-14.93088491	-13.98820831	-5.561597949	0.2452302	0.1792486	0.1997973	0.5271329	-4.796008
5170000000	2.932153143	-2.617993878	-11.47428213	-10.70894175	-11.73131437	-5.175845749	0.2668615	0.2914425	0.2590802	0.5510712	-3.295987
5170000000	2.932153143	-2.565634	-10.59040977	-8.73458083	-9.757035431	-5.610012292	0.295447	0.3582823	0.3251983	0.5242029	-2.472702
5170000000	2.932153143	-2.513274123	-9.26612971	-7.608743502	-8.755748314	-6.701699656	0.344107	0.41645	0.3649325	0.4622906	-2.004793
5170000000	2.932153143	-2.466094245	-8.17088785	-6.956565461	-3.819547464	-6.268162897	0.3903513	0.4489229	0.3809801	0.386004	-1.904292
5170000000	2.932153143	-2.408554368	-7.880040743	-6.875336149	-7.885184147	-9.265354169	0.4036435	0.4531408	0.4034046	0.3441377	-1.914744
5170000000	2.932153143	-2.35619449	-8.611400509	-7.393021317	-6.881987302	-7.610079831	0.3710479	0.4269224	0.452794	0.4163859	-1.581106
5170000000	2.932153143	-2.303834613	-10.28233328	-8.183710922	-5.759858429	-5.001227621	0.3061141	0.3897754	0.515237	0.5622619	-1.044523
5170000000	2.932153143	-2.251474735	-11.7947208	-8.653491828	-4.945763346	-3.395655699	0.2571959	0.3692542	0.5658637	0.6764212	-0.589646
5170000000	2.932153143	-2.199114858	-11.34410856	-8.55037349	-4.543199303	-3.0955722	0.270891	0.3736641	0.592707	0.7001988	-0.275941
5170000000	2.932153143	-2.14675498	-10.32903787	-8.199672782	-4.495531469	-3.938457652	0.3044725	0.3890598	0.5959687	0.6354438	-0.332235
5170000000	2.932153143	-2.094395102	-10.64819012	-7.958626674	-4.732463837	-5.33569241	0.2934881	0.400008	0.5799316	0.5410226	-0.845698
5170000000	2.932153143	-2.042035225	-12.91735647	-8.052762394	-5.25418317	-6.114189083	0.2260124	0.3956962	0.5530623	0.4946415	-1.569327
5170000000	2.932153143	-1.989675347	-15.90603222	-8.752447263	-5.458647558	-5.892458114	0.1602132	0.3650173	0.5334179	0.5074311	-2.124024
5170000000	2.932153143	-1.93731547	-14.00288394	-10.45221521	-5.32136788	-5.46210673	0.19946	0.3001852	0.5419175	0.5354192	-2.064066
5170000000	2.932153143	-1.884955592	-11.08037065	-13.51886718	-4.690011902	-4.854533655	0.2792425	0.2108903	0.582773	0.5718384	-1.698633
5170000000	2.932153143	-1.832595715	-9.998447524	-15.8286043	-3.84932438	-3.927719108	0.3162843	0.1616478	0.6419982	0.6362299	-1.129318
5170000000	2.932153143	-1.780235837	-10.34589609	-12.43533135	-3.025241418	-3.963777808	0.3038822	0.2389095	0.7058915	0.7213252	-0.131239
5170000000	2.932153143	-1.72787596	-10.42700062	-8.647061769	-2.792597655	-1.982710302	0.3010579	0.3695276	0.769196	0.797149	0.9724497
5170000000	2.932153143	-1.675516082	-8.346633167	-6.103404973	-1.620079556	-1.439998172	0.3825325	0.4095256	0.8298432	0.8419767	2.1088697
5170000000	2.932153143	-1.623156204	-5.679192875	-4.41346458	-0.179836758	-1.357917536	0.5200443	0.601262	0.8830965	0.8552717	3.1068386
5170000000	2.932153143	-1.570796327	-3.77877901	-3.241665116	-0.710238895	-1.358214785	0.6472336	0.6885203	0.9214845	0.8552425	3.841534
5170000000	2.932153143	-1.518436449	-2.685288044	-2.418604894	-0.542426791	-1.278477024	0.7340668	0.756945	0.9394687	0.8631299	4.3328487
5170000000	2.932153143	-1.466076572	-2.047584117	-1.920226132	-0.553057123	-1.075638017	0.7899885	0.8016572	0.9383117	0.8835235	4.6433498
5170000000	2.932153143	-1.413716694	-1.435179013	-1.796999132	-0.656920372	-0.887209478	0.8476978	0.8131114	0.9272012	0.9028997	4.8381734
5170000000	2.932153143	-1.361356817	-0.620134402	-2.084058504	-0.727136421	-0.870484087	0.9310935	0.7866781	0.9196936	0.90464	4.9646293
5170000000	2.932153143	-1.308996939	0.276629632	-2.72796892	-0.649281375	-1.091706623	1.0323607	0.7304686	0.9279743	0.8818905	5.0393168
5170000000	2.932153143	-1.256637061	1.033293898	-3.544165856	-0.379725569	-1.472550696	1.1263275	0.6649542	0.9572243	0.8440583	5.0874912
5170000000	2.932153143	-1.204277184	1.588261026	-4.293510405	0.029720256	-1.824921783	1.2006407	0.6099925	1.0034275	0.8105017	5.1645116
5170000000	2.932153143	-1.151917306	2.061620549	-4.941877977	0.485134054	-2.111466275	1.2678884	0.5661169	1.0574424	0.7841997	5.2860769
5170000000	2.932153143	-1.099557429	2.602546735	-5.752824955	0.023923076	-2.620327284	1.3493585	0.5156544	1.112234	0.7395774	5.3828406
5170000000	2.932153143	-1.047197551	3.207328462	-6.966391395	1.339402242	-3.654188392	1.4466598	0.4484153	1.1667293	0.6565844	5.3864963
5170000000	2.932153143	-0.994837674	3.719058732	-8.431059461	1.754991228	-5.040115934	1.5344507	0.3788323	1.2239102	0.5597501	5.336256
5170000000	2.932153143	-0.942477796	3.973422585	-9.629652459	2.18424489	-5.844272982	1.5800511	0.330026	1.2859149	0.5102539	5.35803
5170000000	2.932153143	-0.890117919	3.896360544	-10.44983309	2.610132595	-5.476695643	1.5660947	0.3002675	1.3505374	0.5323107	5.4581964
5170000000	2.932153143	-0.837758041	3.532741489	-10.97541444	2.994016587	-4.747848636	1.5018864	0.2826372	1.4115648	0.5789054	5.5177248
5170000000	2.932153143	-0.785398163	3.040432243	-8.921052577	3.296775491	-4.331188396	1.4191281	0.3228103	1.4616345	0.6073522	5.6000082
5170000000	2.932153143	-0.733038286	2.606992743	-6.841890914	3.496737403	-4.117333538	1.3500493	0.454889	1.4946237	0.6274914	5.8496702
5170000000	2.932153143	-0.680678408	2.301622828	-4.100458125	3.560018796	-3.62239186	1.3034103	0.6237019	1.5066103	0.6589924	6.21963
5170000000	2.932153143	-0.628318531	2.043469999	-2.388900446	3.501764807	-2.73504872	1.2652417	0.7648314	1.4965397	0.7287934	6.5603881
5170000000	2.932153143	-0.575958653	1.72133204	-1.392698921	3.328609676	-1.800039432	1.219176	0.8518538	1.4670012	0.8182268	6.7508991
5170000000	2.932153143	-0.523598776	1.288629389	-0.875868342	3.076051932	-0.996328448	1.1599292	0.9040794	1.4240741	0.8916278	6.8083081
5170000000	2.932153143	-0.471238898	0.795378521	-0.343743196	2.770107406	-0.314290266	1.095895	0.961198	1.3756418	0.9644628	6.8429196
5170000000	2.932153143	-0.41887902	0.377697719	0.282975286	2.469108303	0.178336624	1.0444433	1.0331152	1.3287871	1.020744	6.9017665
5170000000	2.932153143	-0.366519143	0.148806167	0.759203486	1.539879177	0.465090171	1.0172795	1.0913403	1.2873448	1.055005	6.9484927
5170000000	2.932153143	-0.314159265	0.077692107	0.966058542	1.946387799	0.844826713	1.0089848	1.1176425	1.2511788	1.1025156	7.0048784
5170000000	2.932153143	-0.261799388	0.051158764	1.111513878	1.718990802	1.634420457	1.0059072	1.1365164	1.218848	1.2070382	7.1745111
5170000000	2.932153143	-0.20943951	0.007860245	1.484912638	1.529920701	2.57197615	1.0009054	1.1864396	1.1926034	1.3446176	7.4666384
5170000000	2.932153143	-0.157079633	-0.050673238	2.03419085	1.441153557	3.138119545	0.994183	1.2638098	1.1804774	1.4351787	7.7366292
5170000000	2.932153143	-0.104719755	-0.127463958	2.452235546	1.516483095	3.126589215	0.9854323	1.3262084	1.1907598	1.4332748	7.8463317
5170000000	2.932153143	-0.052359878	-0.262081061	2.57949035	1.746426495	2.761882846	0.9702775	1.3457814	1.222704	1.3743399	7.8065169
5170000000	2.932153143	-4.44E-16	-0.493607529	2.518695195	2.560233772	2.60233772	0.9447559	1.3363947	1.2644665	1.3428011	7.7627673
5170000000	2.932153143	0.052359878	-0.797407984	2.472618638	2.285172417	2.742066344	0.912283	1.3293243	1.3009441	1.3712079	7.8076776
5170000000	2.932153143	0.104719755	-1.064887284	2.48718766	2.424680147	2.913162796	0.8846177	1.3315558	1.3220078	1.3984861	7.8480774
5170000000	2.932153143	0.157079633	-1.172227326	2.407036649	2.441180027	2.701087649	0.8737529	1.3193251	1.3245215	1.364754	7.7519845
5170000000	2.932153143	0.20943951	-1.090354221	2.091771076	2.350462541	2.24446188	0.8802278	1.2722971	1.3107598	1.2948608	7.53144
5170000000	2.932153143	0.261799388	-0.903265756	1.595659395	2.197134805	2.066731504	0.9012322	1.1201638	1.2878247	1.2683447	7.3459167
5170000000	2.932153143	0.314159265	-0.712812488	1.176431984	2.060630631	2.274464186	0.9212116	1.1405625	1.2677439	1.2993412	7.2972819
5170000000	2.932153143	0.366519143	-0.548879917	1.068756239	2.037392019	2.305739197	0.9387631	1.1309354	1.2643567	1.3040281	7.306171
5170000000	2.932153143	0.41887902	-0.357802705	1.177412823	1.755421971	2.75421971	0.9596434	1.1451718	1.2863565	1.2239709	7.2631025
5170000000	2.932153143	0.471238898	-0.058515516	1.164891924	2.488282988	0.828422956	0.9932858	1.1435222	1.3317238	1.1000721	7.1750701
5170000000	2.932153143	0.523598776	0.380020089	0.7669450							

5170000000	2.984513021	-3.089232776	-16.63783276	-20.39468677	-15.69885244	-14.29265173	0.147268	0.0955577	0.1640807	0.1929156	-10.46015
5170000000	2.984513021	-3.036872899	-16.23258938	-20.66555969	-14.39605374	-12.36901508	0.1543016	0.0926237	0.1906327	0.2407405	-9.392182
5170000000	2.984513021	-2.984513021	-15.9150155	-19.49878439	-13.96780728	-10.42905426	0.1600476	0.1059402	0.2002671	0.3050867	-8.321957
5170000000	2.984513021	-2.932153143	-15.64848197	-15.05237435	-14.46626279	-8.49903901	0.1650349	0.1767589	0.1895259	0.3758793	-8.866548
5170000000	2.984513021	-2.879793266	-15.43364896	-12.33935314	-15.13288268	-7.211626685	0.1691677	0.2415641	0.1751281	0.4359319	-5.832351
5170000000	2.984513021	-2.827433388	-14.96857577	-12.57871569	-15.11322476	-6.858163482	0.1784725	0.234998	0.1755249	0.4540376	-5.654639
5170000000	2.984513021	-2.775073511	-13.89719894	-16.97318697	-14.91153284	-6.847623005	0.2019017	0.1416905	0.1796484	0.4545889	-6.215337
5170000000	2.984513021	-2.722713633	-12.50533784	-25.85553473	-15.14064523	-6.248252379	0.2369917	0.0505993	0.1749717	0.4870655	-6.466236
5170000000	2.984513021	-2.670353756	-11.38732897	-14.51342752	-14.48240582	-5.423153602	0.2695464	0.1880739	0.1887468	0.5356022	-4.568476
5170000000	2.984513021	-2.617993878	-10.50827612	-10.28900403	-12.17238035	-5.314904214	0.2982539	0.3058791	0.2462527	0.5423191	-3.143419
5170000000	2.984513021	-2.565634	-9.406454863	-8.580602951	-10.02073616	-6.191006399	0.3385924	0.3723659	0.3154737	0.4902862	-2.402502
5170000000	2.984513021	-2.513274123	-8.260308221	-7.911117776	-8.847244044	-7.69228127	0.3863533	0.4022019	0.3611086	0.4124639	-2.14627
5170000000	2.984513021	-2.460914245	-7.762195437	-7.680188862	-8.393007275	-8.774277749	0.4091572	0.4130385	0.3804956	0.3641549	-2.120072
5170000000	2.984513021	-2.408554368	-8.326139514	-7.730822667	-7.959684793	-7.98029001	0.3834361	0.4106377	0.3999593	0.3990116	-1.976041
5170000000	2.984513021	-2.35619449	-9.873349833	-7.90727887	-7.066389666	-5.772626807	0.3208725	0.4023797	0.4432824	0.5144802	-1.509169
5170000000	2.984513021	-2.30384613	-11.12165966	-7.848356006	-6.004302666	-3.824312626	0.2779182	0.4051186	0.500939	0.6438495	-0.781906
5170000000	2.984513021	-2.251474735	-10.12318299	-7.407515961	-5.258622507	-2.872349703	0.3117747	0.4262106	0.5458444	0.7184268	0.0097941
5170000000	2.984513021	-2.199114858	-8.475581214	-6.909667856	-5.013749195	-3.070219935	0.3768955	0.4513533	0.5614519	0.7022456	0.3904104
5170000000	2.984513021	-2.14675498	-8.009974419	-6.701390178	-5.225718049	-4.29173118	0.3976503	0.462307	0.5479161	0.6101174	0.0777841
5170000000	2.984513021	-2.094395102	-9.106804454	-6.881247726	-5.740534204	-5.754965165	0.3504772	0.4528325	0.5163846	0.5155274	-0.746829
5170000000	2.984513021	-2.042035225	-11.04781224	-7.415399795	-6.275051879	-5.95620493	0.2802912	0.4258399	0.485565	0.5037206	-1.435153
5170000000	2.984513021	-1.989675347	-10.9719264	-8.344478763	-6.373861695	-5.065079633	0.2827507	0.3826274	0.4800726	0.5581437	-1.393276
5170000000	2.984513021	-1.93731547	-9.018881703	-9.88170265	-5.75063175	-4.268190792	0.3540429	0.3205641	0.5157843	0.6117732	-0.904711
5170000000	2.984513021	-1.884955592	-7.824508368	-12.21722868	-4.680991565	-3.684983881	0.4062324	0.2449845	0.5833785	0.6542607	-0.496623
5170000000	2.984513021	-1.832595715	-7.817107594	-14.3326821	-5.39536427	-2.997909844	0.4065787	0.1920286	0.6611778	0.7081162	-0.140534
5170000000	2.984513021	-1.780258387	-8.29015429	-13.05634641	-2.669631845	-2.19239565	0.3850208	0.2224421	0.7353912	0.776927	0.5051758
5170000000	2.984513021	-1.72787596	-7.706295757	-10.00754706	-1.908526899	-1.518094423	0.4117989	0.3159531	0.8027377	0.8396442	1.7478579
5170000000	2.984513021	-1.675516082	-5.875749455	-7.504799999	-1.277166635	-1.162261538	0.5084082	0.4214165	0.8632601	0.874756	2.5027153
5170000000	2.984513021	-1.623156204	-4.178875185	-5.653166744	-0.7756889	-1.126948024	0.6180964	0.5216049	0.9145671	0.8783196	3.3244213
5170000000	2.984513021	-1.570796327	-3.185866026	-4.206947709	-0.43273665	-1.244656681	0.6929577	0.616102	0.9514	0.8664972	3.881388
5170000000	2.984513021	-1.518436449	-2.725435981	-3.029644106	-0.27090971	-1.301871285	0.7306817	0.7055338	0.9692917	0.8608083	4.2605625
5170000000	2.984513021	-1.466076572	-2.327435195	-2.129568171	-0.274156067	-1.21470285	0.7649415	0.7825671	0.9689295	0.8694905	4.5729563
5170000000	2.984513021	-1.413716694	-1.611198107	-1.574241845	-0.374012623	-1.073543933	0.8306921	0.842324	0.9578541	0.8837365	4.8769186
5170000000	2.984513021	-1.361356817	-0.632437331	-1.401028675	-0.4606849054	-1.054459578	0.9297756	0.8510372	0.9483437	0.8856804	5.1411741
5170000000	2.984513021	-1.308996939	0.3239144	-1.581654359	-0.422350625	-1.301024178	1.0379961	0.8335224	0.9525383	0.8608922	5.3080299
5170000000	2.984513021	-1.256637061	1.113738305	-2.037939168	-0.204135195	-1.008460541	1.1368075	0.7908662	0.9767721	0.8120392	5.3820477
5170000000	2.984513021	-1.204277184	1.789535419	-2.712863659	0.162067579	-2.410024587	1.2287875	0.73174	0.1088339	0.5777026	5.4300107
5170000000	2.984513021	-1.151917306	2.458147772	-3.675091394	0.599218002	-2.993947724	1.3271114	0.6550062	0.10714228	0.7084392	5.4877922
5170000000	2.984513021	-1.099557429	3.121201114	-5.15128103	1.051665542	-3.721508387	1.432386	0.5526219	1.1287112	0.6515152	5.952632
5170000000	2.984513021	-1.047197551	3.659269188	-7.399077681	1.507107285	-4.819656989	1.5239245	0.4266248	1.1894751	0.5741391	5.3766207
5170000000	2.984513021	-0.994837674	3.940685099	-10.24821507	1.971350013	-6.10350507	1.574107	0.3073189	1.2547798	0.4952503	5.180157
5170000000	2.984513021	-0.942477796	3.901827838	-12.00310131	2.434675138	-6.686438741	1.5670808	0.251099	1.3235299	0.4631035	5.117055
5170000000	2.984513021	-0.890117919	3.569826665	-11.53354973	2.86109085	-6.063279042	1.5083125	0.2650408	1.3901272	0.4975492	5.2514794
5170000000	2.984513021	-0.837758041	3.069080453	-10.60217433	3.202390871	-5.107622963	1.4238165	0.2950471	1.4458373	0.5451666	5.390534
5170000000	2.984513021	-0.785398163	2.585029125	-9.270169784	3.418902546	-4.550096415	1.3466398	0.343947	1.4823308	0.5922365	5.4905552
5170000000	2.984513021	-0.733038286	2.237189266	-6.954219676	3.492053199	-4.290149789	1.2937771	0.4490441	1.4948674	0.6102285	5.6839143
5170000000	2.984513021	-0.680678408	1.982510788	-4.518777549	3.427353415	-3.766027035	1.2563931	0.5943758	1.4838048	0.6481845	5.9830789
5170000000	2.984513021	-0.628318531	1.700539533	-2.734977184	3.253143217	-2.806060113	1.2162615	0.728795	1.4543106	0.7239307	6.2865783
5170000000	2.984513021	-0.575958653	1.322073198	-1.649942549	3.011467722	-1.786882918	1.1644039	0.826995	1.4144036	0.8140581	6.4853622
5170000000	2.984513021	-0.523598776	0.861997618	-0.953143221	2.746392602	-0.920019236	1.1043326	0.8960719	1.3718911	0.8949596	6.5916002
5170000000	2.984513021	-0.471238898	0.411213272	-0.308373824	2.488742742	-0.211827903	1.0484812	0.96512	1.3317943	0.9759074	6.6916942
5170000000	2.984513021	-0.41887902	0.102011298	-0.30622152	2.249907601	-0.262915971	1.0118137	1.038798	1.2956729	1.0307321	6.8029642
5170000000	2.984513021	-0.366519143	-0.006309004	-0.778565807	2.025480737	0.50171865	0.9992739	1.093757	1.262624	1.0594633	6.8782387
5170000000	2.984513021	-0.314159265	0.000814229	0.978812655	1.806060659	0.844881627	1.000937	1.1927849	1.2311283	1.1021586	6.9518014
5170000000	2.984513021	-0.26193988	0.001598586	1.15498235	1.595596223	1.643944521	1.0001841	1.1422183	1.201655	1.2083625	7.1442463
5170000000	2.984513021	-0.20479351	-0.042912265	1.561880848	1.431564451	2.610666592	0.9950717	1.1969997	1.1791749	1.3506205	7.4616747
5170000000	2.984513021	-0.157079633	-0.105624108	2.111440262	1.382074983	3.19236774	0.9879132	1.2751815	1.1724754	1.4441702	7.7473434
5170000000	2.984513021	-0.104719755	-0.174194958	2.503589188	1.496642174	3.177205993	0.9801448	1.3340726	1.1880429	1.4416515	7.8608144
5170000000	2.984513021	-0.075259878	-0.286907102	2.600721189	1.747619812	2.79182589	0.9675082	1.3490749	1.222872	1.3790858	8.161258
5170000000	2.984513021	-4.444-16	-0.493607319	2.518695186	2.038146902	2.560234375	0.9447559	1.363947	1.2644666	1.3428012	7.7627677
5170000000	2.984513021	0.052359878	-0.78629641	2.462755806	2.267901294	2.727257257	0.9134508	1.3278157	1.2983598	1.368134	7.797067
5170000000	2.984513021	0.104719755	-1.067117875	2.473753782	2.379934438	2.891072187	0.8843906	1.329498	1.3152149	1.3949338	7.8258268
5170000000	2.984513021	0.157079633	-1.204275512	2.38934131	2.364141483	2.674960885	0.870535	1.316639	1.3128257	1.3606551	7.7132955
5170000000	2.984513021	0.20943951	-1.14701608	2.06925538	2.245356841	2.186685849	0.8762927	1.2677869	1.2949943	1.2862764	7.4680802
5170000000	2.984513021	0.261799388	-0.968712586	2.352844276	2.290789856	1.96041602	0.8944671	1.1930409	1.2704702	1.2532012	7.2555726
5170000000	2.984513021	0.314159265	-0.783230244	1.065309053	1.950933337	2.169713696	0.9137733	1.304867	1.2518338	1.2837655	7.1964428
5170000000	2.984513021	0.366519143	-0.640651293	0.92487227	1.952054104	2.266391656	0.9288967	1.1123555	1.2519953	1.2981342	7.1826881
5170000000	2.984513021	0.41887902	-0.492786176	1.0425592							

5170000000	2.984513021	3.141592654	-17.2706164	-18.17238728	-17.28455392	-15.91291238	0.1369207	0.1234186	0.1367012	0.1600864	-11.10152
5170000000	3.036872899	-3.141592654	-17.2706165	-18.17238716	-17.28455381	-15.91291246	0.1369207	0.1234186	0.1367012	0.1600864	-11.10152
5170000000	3.036872899	-3.089232776	-16.34542262	-20.34981003	-15.86083234	-14.07932498	0.1523102	0.0960527	0.1610491	0.1977123	-10.35505
5170000000	3.036872899	-3.036872899	-15.80151944	-20.78253092	-14.65578804	-12.04074473	0.1621526	0.0913847	0.1850166	0.2500131	-9.261676
5170000000	3.036872899	-2.984513021	-15.34475673	-19.6121362	-14.28324957	-10.01201077	0.1709079	0.1045666	0.1931246	0.3157908	-8.12996
5170000000	3.036872899	-2.932153143	-14.69003107	-14.88222991	-14.8519851	-8.02295116	0.1842886	0.1802555	0.1808842	0.3970566	-6.535111
5170000000	3.036872899	-2.879793266	-13.93684672	-12.07634256	-15.68982604	-6.720214003	0.2009822	0.2489906	0.1642513	0.4613062	-5.388147
5170000000	3.036872899	-2.827433388	-13.26620723	-12.26928543	-15.61861608	-6.386724277	0.2171149	0.2435206	0.1656034	0.4793622	-5.148631
5170000000	3.036872899	-2.775073511	-12.5885072	-16.63655417	-15.02545241	-6.472931081	0.2347333	0.1472897	0.1773076	0.4746281	-5.730537
5170000000	3.036872899	-2.722713633	-11.69785662	-27.34019741	-14.75427342	-6.060026903	0.2600801	0.0429527	0.1829306	0.4977355	-6.163356
5170000000	3.036872899	-2.670353756	-10.65715445	-14.51027059	-13.99503362	-5.425730432	0.2931854	0.1881423	0.1996403	0.5354433	-4.318991
5170000000	3.036872899	-2.617993878	-9.538883118	-10.21962352	-10.12155349	-5.551714051	0.3334693	0.3083322	0.2508547	0.5277331	-2.972452
5170000000	3.036872899	-2.565634	-8.4131118	-8.716221606	-9.99970069	-6.775092968	0.3796159	0.366597	0.3162289	0.4584008	-2.378915
5170000000	3.036872899	-2.513274123	-7.738863952	-8.585557658	-8.779910239	-8.353456362	0.4102578	0.3721535	0.3639188	0.3822321	-2.334938
5170000000	3.036872899	-2.460914245	-8.103884546	-9.223447702	-8.241958585	-8.232269272	0.3933741	0.3458021	0.3871703	0.3876025	-2.418375
5170000000	3.036872899	-2.408545368	-9.743203923	-10.1702069	-7.82093103	-6.299206757	0.3257165	0.3100914	0.4063998	0.4842166	-2.347095
5170000000	3.036872899	-2.35619449	-11.28642752	-10.48124003	-7.040828267	-4.322259917	0.2726959	0.2991837	0.4445889	0.6079768	-1.806498
5170000000	3.036872899	-2.303834613	-9.577266264	-9.33723325	-6.071910517	-3.029251481	0.3319989	0.3414396	0.497055	0.7055656	-0.555669
5170000000	3.036872899	-2.251474735	-6.938539762	-7.644193379	-5.377558761	-2.607500324	0.4498555	0.4147538	0.5384194	0.7406704	0.6026764
5170000000	3.036872899	-2.199114858	-5.576614203	-6.457904913	-5.202926422	-3.102118814	0.5262224	0.4754499	0.5493558	0.6996713	1.0257496
5170000000	3.036872899	-2.14675498	-5.702866989	-6.05151962	-5.551539772	-4.305026195	0.5186288	0.4982214	0.5277436	0.6091843	0.6434195
5170000000	3.036872899	-2.094395102	-6.958102661	-6.346123369	-6.25815296	-5.2986808	0.4488434	0.4816082	0.4865107	0.5433374	-0.174151
5170000000	3.036872899	-2.042035225	-7.840250384	-7.126591523	-6.948890446	-4.974556959	0.4054968	0.4402207	0.4493197	0.5639991	-0.36488
5170000000	3.036872899	-1.989675347	-6.894427878	-8.161588508	-7.052764986	-3.967928909	0.4521459	0.3907694	0.4439783	0.6332913	-0.353739
5170000000	3.036872899	-1.93731547	-5.609165794	-9.343627647	-6.313130574	-3.277323203	0.5242539	0.3410504	0.483441	0.6895851	0.16652031
5170000000	3.036872899	-1.884955592	-5.126310903	-10.61398506	-5.136564307	-2.794772428	0.5542229	0.2946461	0.5535702	0.7248721	0.536021
5170000000	3.036872899	-1.832595715	-5.36381344	-11.53240598	-3.989661965	-2.377686189	0.5392738	0.2650817	0.6317088	0.7605288	0.8143923
5170000000	3.036872899	-1.780235837	-5.637929305	-11.29649158	-3.04035048	-1.876810812	0.5252507	0.2723801	0.7046683	0.8056742	1.2337357
5170000000	3.036872899	-1.72787596	-5.181537308	-10.0026364	-2.81118815	-1.455715966	0.5507102	0.3161318	0.7690314	0.8456959	1.8793281
5170000000	3.036872899	-1.675516082	-4.209396739	-8.443478704	-1.673648983	-1.300902669	0.6159283	0.378291	0.8247409	0.8609043	2.541567
5170000000	3.036872899	-1.623156204	-3.478767285	-6.938756064	-1.204236428	-1.436921189	0.6699797	0.4498444	0.8705389	0.8475278	3.0393132
5170000000	3.036872899	-1.570796327	-3.231302817	-5.44551982	-0.884417201	-1.696616361	0.6893422	0.5342248	0.90319	0.822563	3.373838
5170000000	3.036872899	-1.518436449	-3.114361342	-3.963431077	-0.727267598	-1.840656967	0.696858	0.6336194	0.9196797	0.8090347	3.6967224
5170000000	3.036872899	-1.466076572	-2.586413243	-2.636247184	-0.71764599	-1.750861154	0.7424707	0.7382231	0.9206991	0.8174442	4.1333741
5170000000	3.036872899	-1.413716694	-1.587041225	-1.619753429	-0.791488791	-1.528583243	0.8330056	0.8298743	0.912905	0.8386309	4.6457284
5170000000	3.036872899	-1.361356817	-0.49411178	-0.983724914	-0.838181373	-1.427997267	0.9447011	0.8929225	0.9080106	0.848399	5.0910417
5170000000	3.036872899	-1.308996939	0.447384871	-0.718570309	-0.73934868	-1.669026728	1.0528566	0.9206011	0.9184014	0.8251799	5.3833247
5170000000	3.036872899	-1.256637061	1.250674775	-0.789579803	-0.436605099	-2.66951488	1.1548717	0.9131056	0.9509764	0.7702867	5.5504434
5170000000	3.036872899	-1.204277184	2.020863256	-1.205284136	0.033279927	-3.010043564	1.2619529	0.8704339	1.0038388	0.7071277	5.6736063
5170000000	3.036872899	-1.151917306	2.774092194	-2.076044784	0.583488414	-3.67243296	1.3762731	0.7874043	1.0694843	0.6552067	5.7747481
5170000000	3.036872899	-1.099557429	3.398135274	-3.636464749	1.145601533	-4.299888068	1.4787909	0.6579256	1.1409854	0.6095448	5.7722419
5170000000	3.036872899	-1.041719755	3.758466639	-6.233369515	1.690326515	-5.1113989	1.5414283	0.4879008	1.2148323	0.5551752	5.7535555
5170000000	3.036872899	-0.994837774	3.791280175	-10.12365925	2.205417162	-6.065287926	1.5472625	0.3117576	1.2890532	0.4974342	5.2145601
5170000000	3.036872899	-0.942477796	3.525599289	-13.21357883	2.670091582	-6.509041291	1.5006519	0.2184434	1.3598925	0.472659	4.9879735
5170000000	3.036872899	-0.890117919	3.079564183	-11.46959469	3.048863146	-5.89278745	1.4255361	0.2670055	1.4205063	0.5074119	5.1546747
5170000000	3.036872899	-0.837758041	2.633312511	-9.264876748	3.038275304	-4.27182178	1.3541464	0.3441566	1.4626613	0.5674282	5.4098326
5170000000	3.036872899	-0.785398163	2.325457737	-7.82863864	3.040995517	-4.386642218	1.3066919	0.4060393	1.4801297	0.603487	5.5674064
5170000000	3.036872899	-0.733038286	2.132879231	-6.352320861	3.35694565	-4.227787992	1.2783329	0.4812142	1.4717354	0.6146255	5.679378
5170000000	3.036872899	-0.680678408	1.915243252	-4.619083057	3.182440866	-3.799324259	1.2467006	0.5875514	1.4425207	0.6457045	5.8506084
5170000000	3.036872899	-0.628318531	1.569873207	-3.054841035	2.936552351	-2.840243647	1.1981016	0.70349	1.402257	0.7210873	6.0745795
5170000000	3.036872899	-0.575958653	1.100179005	-1.892722134	2.679947671	-1.769267668	1.1350342	0.8041997	1.3614365	0.8517116	6.2697133
5170000000	3.036872899	-0.523598776	0.590106147	-1.015602931	2.454860483	-1.833222233	1.0702995	0.8965614	1.3266093	0.9064396	6.4298968
5170000000	3.036872899	-0.47138898	0.165596903	-0.244038338	2.26723975	-0.123215406	1.0192479	0.9722951	1.2982609	0.9859144	6.599582
5170000000	3.036872899	-0.4187902	-0.061151565	0.411763607	0.094515209	0.33704969	0.9929844	1.0485476	1.2726992	1.039567	6.7567659
5170000000	3.036872899	-0.366519143	-0.088947811	0.825085864	1.990900026	0.536065026	0.9898118	1.0996495	1.2459339	1.063661	6.8465903
5170000000	3.036872899	-0.314159265	-0.040406945	1.011278908	1.704472032	0.849688806	0.9953588	1.1234764	1.2168123	1.1027687	6.9239606
5170000000	3.036872899	-0.261799388	-0.03333048	1.214761895	1.500726004	1.658532099	0.99617	1.1501066	1.1886016	1.2103936	7.1305972
5170000000	3.036872899	-0.2094351	-0.087029086	1.651700075	1.35563006	2.64964445	0.9900304	1.2094419	1.1689021	1.356695	7.467564
5170000000	3.036872899	-0.157079633	-0.156541096	2.196197847	1.339459532	3.242995433	0.982139	1.2876858	1.166737	1.4526125	7.7641104
5170000000	3.036872899	-0.104719755	-0.218753655	2.557690905	1.485867345	3.223872381	0.9751295	1.342408	1.18657	1.4494179	7.8776881
5170000000	3.036872899	-0.052359878	-0.311297556	2.622257814	1.75152917	2.820232105	0.9647952	1.3524241	1.2234225	1.3836034	7.8261933
5170000000	3.036872899	-4.444-16	-0.493607666	2.518695316	1.031846663	2.560234443	0.9447559	1.3363948	1.2644665	1.3428012	7.7627675
5170000000	3.036872899	0.052359878	-0.772986447	2.453135801	2.251527637	2.702338874	0.9148517	1.3263459	1.2959146	1.3649506	7.7869774
5170000000	3.036872899	0.104719755	-1.062207103	2.460527887	2.339607287	2.868902219	0.8848907	1.3274751	1.3091227	1.3913779	7.8060994
5170000000	3.036872899	0.175079633	-1.223198561	2.372936297	2.296883518	2.652090049	0.8686405	1.3141557	1.3026993	1.357077	7.6809227
5170000000	3.036872899	0.20943951	-1.184064716	2.03593218	2.56145051	2.134495644	0.8725629	1.2641442	1.2817616	1.2785708	7.4158844
5170000000	3.036872899	0.261799388	-1.003677146	1.484372041	1.981681625	1.857456178	0.8908737	1.1863658	1.2562732	1.2384338	7.1814228
5170000000	3.036872899	0.314519265	-0.80120376	0.97543							

5170000000	3.036872899	3.036872899	-16.28582845	-13.27894262	-16.52920767	-17.91446702	0.1533588	0.2167968	0.1491213	0.1271384	-9.810369
5170000000	3.036872899	3.089232776	-17.62792862	-14.71556901	-17.77317914	-16.67615229	0.1314025	0.1837475	0.1292234	0.1466197	-10.58895
5170000000	3.036872899	3.141592654	-17.2706165	-17.2706165	-17.28455381	-15.91291246	0.1369207	0.1234186	0.1367012	0.1600864	-11.10152
5170000000	3.089232776	-3.141592654	-17.27061646	-18.17238733	-17.28455384	-15.91291214	0.1369207	0.1234186	0.1367012	0.1600864	-11.10152
5170000000	3.089232776	-3.089232776	-16.06077943	-20.29866305	-16.02866305	-13.87098614	0.1573842	0.09662	0.1579672	0.202512	-10.2504
5170000000	3.089232776	-3.036872899	-15.3864333	-20.86992765	-14.91643871	-11.72282785	0.1700898	0.0904698	0.179547	0.2593393	-9.12559
5170000000	3.089232776	-2.984513021	-14.81570327	-19.7086329	-14.55570967	-9.631884257	0.1816414	0.1034114	0.1871606	0.3299178	-7.935691
5170000000	3.089232776	-2.932153143	-13.86040983	-17.55668709	-15.10214337	-7.601300218	0.2027587	0.1828798	0.175749	0.416807	-6.212096
5170000000	3.089232776	-2.879793266	-12.76167027	-11.86429249	-15.93239551	-6.2466193197	0.2300999	0.255144	0.1592777	0.4860605	-4.951101
5170000000	3.089232776	-2.827433388	-12.01872954	-11.96437873	-15.7380879	-5.929076428	0.2506476	0.2522209	0.1633411	0.5052964	-4.64571
5170000000	3.089232776	-2.775073511	-11.64094787	-16.059884	-14.73557674	-6.135322084	0.2617897	0.1574004	0.1833248	0.4934395	-5.22475
5170000000	3.089232776	-2.722713633	-11.09048955	-27.39927928	-13.90710273	-5.985378322	0.2789173	0.0426615	0.2016717	0.5020316	-5.803732
5170000000	3.089232776	-2.670353756	-10.01402671	-14.88532178	-12.9470749	-5.569219909	0.3157175	0.1801913	0.2252404	0.5266705	-4.097563
5170000000	3.089232776	-2.617993878	-8.734233339	-10.45268753	-11.34665273	-5.866032063	0.3658376	0.3001689	0.2708143	0.5089773	-2.818447
5170000000	3.089232776	-2.565634	-7.807517464	-9.036660641	-9.665201436	-7.253245423	0.4070279	0.353319	0.3286548	0.4338481	-2.367459
5170000000	3.089232776	-2.513274123	-7.788347339	-9.339531878	-8.51810636	-8.433222362	0.4079272	0.3412113	0.3750548	0.378738	-2.481818
5170000000	3.089232776	-2.460914245	-9.168095088	-11.14204427	-7.917563563	-7.109952831	0.3480128	0.2772667	0.4019035	0.4410648	-2.684612
5170000000	3.089232776	-2.408554368	-11.52717855	-14.69920181	-7.472113598	-4.870949868	0.2652413	0.1840941	0.4230501	0.5707587	-2.834406
5170000000	3.089232776	-2.35619449	-10.49876099	-16.67350145	-6.797411233	-3.310865608	0.2985809	0.1466645	0.4572244	0.6830566	-2.01713
5170000000	3.089232776	-2.30384613	-6.944607266	-12.08976963	-5.959646078	-2.563975066	0.4495413	0.248606	0.5035211	0.7443912	-0.237477
5170000000	3.089232776	-2.251474735	-4.693259543	-8.486378042	-5.251748931	-2.519748931	0.5825551	0.3764273	0.5416654	0.7481911	1.0185671
5170000000	3.089232776	-2.199114858	-4.035914183	-6.644384228	-5.149131861	-3.058317539	0.6283539	0.4653511	0.5527687	0.7302085	1.3995826
5170000000	3.089232776	-2.14675498	-4.747751451	-6.101028936	-5.472366959	-3.88190026	0.5789118	0.4953915	0.5325761	0.6396104	1.009489
5170000000	3.089232776	-2.094395102	-6.108654645	-6.505591396	-6.15343603	-3.618608908	0.4949568	0.4728668	0.4924115	0.6083586	0.2928199
5170000000	3.089232776	-2.042035225	-6.321080752	-7.449259709	-6.849132703	-3.893138126	0.4829987	0.4241671	0.4545068	0.6837679	0.0019131
5170000000	3.089232776	-1.989675347	-5.176157355	-8.383490863	-7.066264083	-3.088725337	0.5510514	0.3809127	0.4432888	0.700751	0.3239637
5170000000	3.089232776	-1.93731547	-4.340390663	-8.929936803	-6.559439685	-4.277094148	0.606709	0.357687	0.4699244	0.7518744	0.7731775
5170000000	3.089232776	-1.884955592	-4.295251124	-9.163417238	-5.604665542	-4.73549348	0.6098702	0.3482003	0.5245256	0.7818484	1.0786339
5170000000	3.089232776	-1.832595715	-4.622601579	-9.229640912	-4.590276329	-1.907723206	0.5873134	0.3455567	0.5895032	0.802812	1.3085474
5170000000	3.089232776	-1.780235837	-4.64179389	-9.090111204	-3.703780301	-1.702253447	0.5860171	0.3511514	0.6528464	0.8220294	1.6271056
5170000000	3.089232776	-1.72787596	-4.140471246	-8.732011263	-2.983776888	-1.606170917	0.6208354	0.3659312	0.7092693	0.8311731	2.032223
5170000000	3.089232776	-1.675516082	-3.615355563	-8.227547091	-2.419973562	-1.736858072	0.6595265	0.3878133	0.7568352	0.8187609	2.3551533
5170000000	3.089232776	-1.623156204	-3.525451652	-7.508316966	-1.997470273	-2.075362455	0.6663884	0.4212929	0.7345596	0.7874661	2.5086722
5170000000	3.089232776	-1.570796327	-3.759353802	-6.351010886	-1.709094411	-2.418864318	0.6486827	0.4813372	0.8213822	0.7956319	2.6334444
5170000000	3.089232776	-1.518436449	-3.627995426	-4.762279339	-1.550392634	-2.505837063	0.6585674	0.5779444	0.8365278	0.7493904	2.9918636
5170000000	3.089232776	-1.466076572	-2.71008233	-3.095412831	-1.498179461	-2.245670225	0.7319744	0.7002013	0.8415715	0.7712763	3.6537801
5170000000	3.089232776	-1.413716694	-1.477251947	-1.688134181	-1.48660504	-1.838841821	0.8436016	0.8233667	0.8426941	0.8092038	4.3991951
5170000000	3.089232776	-1.361356817	-0.408780977	-0.68052302	-1.406361428	-1.636084617	0.9540276	0.9246265	0.8505149	0.8823155	5.0022995
5170000000	3.089232776	-1.30896939	0.439520015	-0.083048416	-1.148671831	-1.874176213	1.0519037	0.9904848	0.8761257	0.8059186	5.4600618
5170000000	3.089232776	-1.256637061	1.21437643	0.125169271	-0.677098004	-2.516965497	1.1500556	1.014515	0.9250072	0.7484309	5.661519
5170000000	3.089232776	-1.204277184	2.006593794	-0.075480092	-0.052551871	-3.257381068	1.2598815	0.9913477	0.993968	0.6827756	5.8721746
5170000000	3.089232776	-1.151917306	2.731647898	-0.78789528	0.622738081	-3.771832791	1.3695642	0.9132833	1.074328	0.7438841	6.031292
5170000000	3.089232776	-1.099557429	3.224912911	-2.216509088	1.271175978	-4.103187356	1.4495915	0.7747731	1.1576007	0.623506	6.3024728
5170000000	3.089232776	-1.047197551	3.386350229	-4.678691394	1.85615679	-4.571089401	1.4767858	0.585333	1.2382486	0.5908069	5.7769948
5170000000	3.089232776	-0.994837674	3.232290142	-8.50631534	2.362540262	-5.261573447	1.4508233	0.3755642	1.3125837	0.545659	5.3072783
5170000000	3.089232776	-0.942477796	2.887235548	-12.08475227	2.774960394	-5.26595534	1.3943178	0.2487496	1.3764106	0.5230187	4.9655893
5170000000	3.089232776	-0.89017919	2.544466268	-3.30284199	3.07703116	-5.089383422	1.3403657	0.3043392	1.4240871	0.5565841	5.1664616
5170000000	3.089232776	-0.837758041	2.359026193	-7.725877375	3.226702839	-4.229125957	1.3120528	0.4108716	1.4498903	0.6145309	5.5460987
5170000000	3.089232776	-0.785398163	2.317789038	-6.280435992	3.232134638	-3.839853357	1.3058384	0.4852641	1.4507973	0.6426986	5.7663227
5170000000	3.089232776	-0.733038286	2.260810152	-5.372562641	3.100579715	-3.882873022	1.2973003	0.5387309	1.4289893	0.6395233	5.8108059
5170000000	3.089232776	-0.680678408	2.038232527	-4.384175478	2.75689437	-3.645049846	1.264479	0.6036584	1.3924656	0.6527756	5.8404195
5170000000	3.089232776	-0.628318531	1.611951576	-3.21566822	2.624025225	-2.764440749	1.2039199	0.6905922	1.3526993	0.7274078	5.9653105
5170000000	3.089232776	-0.575958653	1.054416348	-2.065872961	2.409009112	-1.695181843	1.1290699	0.7883269	1.3196248	0.8226989	6.1493226
5170000000	3.089232776	-0.523598776	0.500269118	-1.034535986	2.256789047	-0.768062112	1.0592865	0.8877143	1.2966998	0.9153705	6.359327
5170000000	3.089232776	-0.471238898	0.090187955	-0.145264734	2.14422422	-0.038382641	1.0104374	0.9834149	1.2800034	0.9955908	6.5868314
5170000000	3.089232776	-0.41887902	-0.09476292	0.522933398	2.023012084	-0.34610348	0.9891493	1.0620542	1.2622652	1.0475639	6.7711867
5170000000	3.089232776	-0.366519143	-0.09578152	0.897240593	1.857282059	0.572145469	0.9890333	1.1088225	1.238409	1.0680886	6.8570433
5170000000	3.089232776	-0.314159265	-0.046727043	1.065287698	1.648222292	0.866160724	0.9946348	1.1304839	1.2089577	1.104862	6.9249825
5170000000	3.089232776	-0.261799388	-0.053575536	1.29278107	1.43975133	1.683773516	0.9938509	1.1604837	1.1802868	1.2139161	7.1368358
5170000000	3.089232776	-0.209435911	-0.123395215	1.754398993	1.305756436	1.305733095	0.985894	1.2238268	1.1622186	1.3632219	7.4860956
5170000000	3.089232776	-0.157079633	-0.20232441	2.287643915	1.315151551	3.290634724	0.9769757	1.3013413	1.1634764	1.4606015	7.7875181
5170000000	3.089232776	-0.104719755	-0.260585262	2.61400574	1.484626924	3.266638003	0.9704446	1.3511398	1.1864006	1.4565718	7.8970097
5170000000	3.089232776	-0.052359878	-0.335109938	2.64395753	1.75819413	2.847038134	0.9621538	1.355807	1.2243616	1.38788	7.8366951
5170000000	3.089232776	-4.44-1.6	-0.493607333	2.5186952	2.038146888	2.56023434	0.9447559	1.3363947	1.2644665	1.3428012	7.7627675
5170000000	3.089232776	0.052359878	-0.757461921	2.443766356	2.236194893	2.681345377	0.9164883	1.3249159	1.293629	1.3616556	7.7774051
5170000000	3.089232776	0.104719755	-1.049763926	2.545752519	2.304459824	2.846457536	0.8861593	1.3254936	1.3038361	1.3877872	7.7891271
5170000000	3.089232776	0.157079633	-1.227597076	2.358066782	2.241579295	2.632641423	0.8682007	1.3119079	1.2944312	1.3540418	7.6557916
5170000000	3.089232776	0.20943951	-1.199210904	2.0175							

5170000000	3.089232776	2.932153143	-15.06514115	-14.21410753	-12.93268556	-13.96901725	0.1764993	0.194668	0.2256138	0.2002392	-7.991212
5170000000	3.089232776	2.984513021	-15.41084848	-14.1007211	-14.63242183	-18.46924312	0.1696124	0.1972259	0.1855149	0.1192718	-9.478062
5170000000	3.089232776	3.036872899	-16.80550332	-13.35042685	-16.53084269	-18.30710124	0.1444524	0.2125093	0.1490932	0.1215192	-10.03262
5170000000	3.089232776	3.089232776	-17.99501841	-14.74661009	-17.66852792	-16.91312741	0.1259648	0.1830921	0.1307897	0.1426736	-10.71438
5170000000	3.089232776	3.141592654	-17.27061646	-18.17238733	-17.28455384	-15.91291214	0.1369207	0.1234186	0.1367012	0.1600864	-11.10152
5503000000	0	-3.141592654	-24.03857058	-21.4203936	-18.06654247	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0	-3.089232776	-26.88755572	-16.11007598	-18.70058206	-21.62663137	0.0452504	0.1564935	0.1163171	0.0829217	-13.96199
5503000000	0	-3.036872899	-23.95307698	-16.41551632	-18.70439113	-23.10033051	0.0634375	0.151086	0.1160862	0.0699815	-13.96657
5503000000	0	-2.984513021	-19.77521427	-18.96937512	-18.62866872	-25.32984038	0.1026217	0.1125981	0.1171026	0.0541387	-14.27848
5503000000	0	-2.932153143	-17.27408829	-14.21467043	-20.15209009	-18.01197759	0.136866	0.1946554	0.0982642	0.1257191	-11.12684
5503000000	0	-2.879793266	-16.05921649	-10.97277923	-23.55675417	-12.32031191	0.1574125	0.2827229	0.0663991	0.2420942	-8.3527
5503000000	0	-2.827433388	-15.20768086	-11.02989831	-22.32138811	-9.267580791	0.1736265	0.2808698	0.0765474	0.3440495	-7.179513
5503000000	0	-2.775073511	-14.06386276	-12.73803685	-17.70273661	-8.262312238	0.1980646	0.2307269	0.1302756	0.3862641	-6.50892
5503000000	0	-2.722713633	-13.05297858	-10.95404208	-14.20447717	-9.259559238	0.2225108	0.2833335	0.194884	0.3434674	-5.637479
5503000000	0	-2.670353756	-12.99153443	-7.985478963	-11.54706108	-12.73977221	0.2240904	0.3987733	0.2646348	0.2306808	-5.050371
5503000000	0	-2.617993878	-14.15689105	-6.866389392	-9.55723103	-18.1140176	0.1959546	0.4536078	0.3327656	0.1242508	-5.140953
5503000000	0	-2.565634	-15.41521811	-7.335914016	-8.377299412	-14.35534552	0.1695271	0.4297385	0.3811843	0.1915282	-4.64221
5503000000	0	-2.513274123	-15.12201948	-8.314442441	-8.137933942	-10.28248022	0.1753473	0.3839528	0.3918351	0.3061089	-4.032208
5503000000	0	-2.460914245	-15.16977309	-8.412320241	-8.604858791	-8.426778099	0.1743859	0.3796544	0.3713275	0.3790191	-3.712471
5503000000	0	-2.40854368	-16.64817728	-7.681052054	-6.865220827	-7.859632606	0.1470927	0.4129975	0.3679078	0.404593	-3.526663
5503000000	0	-2.35619449	-14.54021677	-6.88193476	-7.190964289	-7.826187126	0.1874948	0.4527967	0.4369702	0.4061539	-2.595343
5503000000	0	-2.303834613	-9.837471243	-6.208894417	-5.040313265	-7.444765339	0.3222007	0.4892775	0.5597374	0.4243867	-0.936397
5503000000	0	-2.251474735	-6.671489906	-5.775540816	-3.490862149	-6.437473478	0.4639012	0.5143076	0.6690474	0.4765696	0.521778
5503000000	0	-2.199114858	-4.986895125	-5.730471746	-2.945014202	-5.46219052	0.5631904	0.5169832	0.7124416	0.5332004	0.3109057
5503000000	0	-2.14675498	-4.408275558	-5.887371744	-3.352970216	-5.032562515	0.6019858	0.5077283	0.6795736	0.5602371	0.3996661
5503000000	0	-2.094395102	-4.577101172	-5.661238376	-4.188955722	-5.172178875	0.5903981	0.52112004	0.6173795	0.5513039	0.1388661
5503000000	0	-2.042035225	-5.050589354	-4.855138832	-4.36984809	-5.637682989	0.5590756	0.5177986	0.6046549	0.5225356	0.10541275
5503000000	0	-1.989675347	-5.549927727	-4.013915934	-3.632359507	-6.189291904	0.5275339	0.6299473	0.6582366	0.490383	0.1236957
5503000000	0	-1.93731547	-6.213630424	-3.595710935	-2.93261917	-6.841326739	0.4890108	0.6601098	0.713459	0.4549186	0.12831982
5503000000	0	-1.884955592	-6.912520838	-3.638720532	-2.71217356	-7.799524928	0.4512051	0.6577547	0.7317982	0.4074026	0.10159464
5503000000	0	-1.832595715	-6.761403675	-3.896094732	-2.556144682	-9.052203017	0.4591238	0.6385505	0.7450626	0.3526873	0.80097693
5503000000	0	-1.780235837	-5.542643535	-4.049249769	-1.858484563	-9.99070786	0.5282844	0.6273899	0.8073759	0.3162613	0.1354739
5503000000	0	-1.72787596	-4.242335099	-3.993244303	-0.797223418	-9.989576187	0.613597	0.6314483	0.9123024	0.3166075	0.18472368
5503000000	0	-1.675516082	-3.386939406	-3.879652207	-0.002333631	-9.340048352	0.6771003	0.6397605	0.9997314	0.341191	0.469791
5503000000	0	-1.623156204	-2.875644183	-3.842825527	0.232944374	-8.401138311	0.7181543	0.6424787	1.0271816	0.3801396	0.2822578
5503000000	0	-1.570796327	-2.348745465	-3.836559142	-0.02125477	-6.910313172	0.7630671	0.6429424	1.00245	0.4518023	0.31075157
5503000000	0	-1.518436449	-1.528209663	-3.713822062	-0.282666254	-4.832231318	0.8386669	0.652092	0.9679807	0.5737086	0.36141221
5503000000	0	-1.466076572	-0.494789942	-3.405878451	-0.414302319	-2.792038813	0.9446273	0.6756256	0.9534433	0.7251003	0.3465105
5503000000	0	-1.413716694	0.479288656	-3.002162242	-0.494376393	-1.279345878	1.056731	0.7077696	0.9446723	0.8634353	0.50381552
5503000000	0	-1.361356817	1.240749137	-2.64965255	-0.783439569	-0.452137621	1.1535527	0.7373127	0.9137513	0.9429774	0.54690406
5503000000	0	-1.308996939	1.805353779	-2.396183428	-1.245955654	-0.265401305	1.2310273	0.758911	0.8663676	0.9699066	0.56347819
5503000000	0	-1.256637061	2.261982687	-2.177120108	-1.465532513	-0.606102651	1.2974754	0.7872946	0.8447415	0.9325988	0.5956289
5503000000	0	-1.204277184	2.681620692	-1.880418912	-1.155439288	-1.425389333	1.3619687	0.8053396	0.8754433	0.8486537	0.5780927
5503000000	0	-1.151917306	3.07246423	-1.51229191	-0.624707834	-2.878221145	1.4243713	0.8402053	0.9306033	0.7179413	0.58298621
5503000000	0	-1.099557429	3.382045841	-1.231307071	-0.297185588	-5.372300611	1.4760542	0.8678276	0.966364	0.5387471	0.5863242
5503000000	0	-1.047197551	3.539085641	-1.221416762	-0.242425361	-8.880019083	1.5029837	0.8688187	0.9724756	0.597485	0.53528821
5503000000	0	-0.994837674	3.50552476	-1.547156718	-0.166425226	-8.710638309	1.4971877	0.8368395	0.981022	0.3668327	0.53007971
5503000000	0	-0.942477796	3.305851468	-2.088157041	0.258050576	-5.082470928	1.4631625	0.7867307	1.0301549	0.5570273	0.56584476
5503000000	0	-0.890117919	3.027838203	-2.671388522	0.938139281	-2.924491749	1.417072	0.7398277	1.1140559	0.7141269	0.5981463
5503000000	0	-0.837758041	2.793649088	-3.042026358	1.529053656	-2.466615279	1.3793753	0.7045287	1.1924843	0.752782	0.60837127
5503000000	0	-0.785398163	2.691042764	-3.4628579	1.860345427	-3.115425263	1.3631766	0.6712079	1.2388459	0.6986003	0.59592146
5503000000	0	-0.733038286	2.697223041	-3.841433409	1.98721986	-3.404013724	1.3641469	0.6425817	1.2570744	0.6757706	0.5888348
5503000000	0	-0.680678408	2.687495321	-3.815816764	2.037083818	-2.130313077	1.36262	0.6444796	1.2643118	0.7825	0.1368851
5503000000	0	-0.628318531	2.546567851	-3.205599756	2.058649155	-0.49994353	1.3406901	0.6913851	1.2674547	0.944067	0.6340826
5503000000	0	-0.575958653	2.276855502	-2.354206212	2.003319892	0.469104271	1.299699	0.7625875	1.2594067	1.054927	0.68032998
5503000000	0	-0.523598776	2.004396015	-1.54343563	1.83759833	0.732009506	1.2595627	0.8371981	1.2356057	1.0879288	0.68884258
5503000000	0	-0.471238898	1.857081413	-0.736408066	1.620402033	0.646709846	1.2383804	0.9187124	1.2050917	1.0772971	0.69260454
5503000000	0	-0.41887902	1.829870541	0.074075631	1.448594682	0.71299047	1.2345069	1.0856567	1.1814891	1.0855492	0.70631428
5503000000	0	-0.366519143	1.813774115	0.68646112	1.341541611	1.173819406	1.2322213	1.0800213	1.1670167	1.1446981	0.72796766
5503000000	0	-0.314159265	1.731067616	0.832609559	1.229053386	1.752397663	1.2205438	1.1060205	1.1520005	1.2235448	0.7415241
5503000000	0	-0.261799388	1.59624047	0.59418599	1.075599453	2.054030482	1.2017442	1.0708203	1.1318268	1.266781	0.7367884
5503000000	0	-0.209435951	1.467973074	0.259112455	0.964118878	1.991607498	1.184128	1.0302808	1.117393	1.2577096	0.7214792
5503000000	0	-0.157079633	1.376030136	0.194003837	1.006072781	1.850769995	1.1716597	1.0255868	1.1228032	1.2374809	0.71482726
5503000000	0	-0.104719755	1.296904869	0.494511288	1.18162208	1.986429786	1.1610348	1.1058546	1.1457269	1.2569601	0.72765746
5503000000	0	-0.052359878	1.171407799	1.006674504	1.336070458	2.349338266	1.1443803	1.122281	1.1662819	1.3105902	0.75025379
5503000000	0	-4.44E-16	0.959000721	1.507444156	1.376276756	2.62302696	1.1167348	1.1895213	1.1651488	1.3525438	0.76474536
5503000000	0	0.052359878	0.716018774	1.736627973	1.147047621	2.633220082	1.0859278	1.2213254	1.1411753	1.354312	0.76088571
5503000000	0	0.104719755	0.597386603	1.506322486	0.916817968	2.364826529	1.071197	1.1893677	1.1113245	1.3129293	0.73932553
5503000000	0	0.157079633	0.731266421	0.933556948	0.768366434	1.865097229	1.0878357	1.1134683	1.0924921	1.2395238	0.71077275
5503000000	0	0.20943951	1.11544605	0.566026782	0.721411126	1.308018711	1.137031	1.0673364	1.0866021	1.1652213	0.69534115
5503000000	0	0.261799388	1.647768124	0.768569033	0.72409827	0.973195868	1.2088945	1.0925176			

5503000000	0	2.827433388	-11.34046384	-10.34835556	-8.946158848	-7.020819985	0.2710047	0.3037961	0.3570196	0.4456142	-3.23918
5503000000	0	2.879793266	-10.25392305	-12.09862131	-9.243810856	-7.577435921	0.307117	0.2483527	0.3449923	0.4179537	-3.619552
5503000000	0	2.932153143	-10.34015438	-17.4497873	-9.692542867	-8.481824674	0.3040831	0.1341253	0.3276218	0.3766247	-4.863189
5503000000	0	2.984513021	-11.83909419	-23.57075374	-10.61584412	-10.48431938	0.2558853	0.0666292	0.2945832	0.2907077	-6.784224
5503000000	0	3.036872899	-14.85009112	-22.3996461	-12.78973115	-14.10435516	0.1809237	0.0575851	0.2293578	0.1971434	-9.328589
5503000000	0	3.089232766	-19.23714046	-29.16044587	-15.96833852	-19.19469732	0.10918	0.0348319	0.1590681	0.1097148	-13.70592
5503000000	0	3.141592654	-24.03857058	-21.4203936	-18.06654247	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.052359878	-3.141592654	-24.03857033	-21.42039338	-18.06654221	-21.99383239	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.052359878	-3.089232776	-27.30482302	-16.11483865	-18.47064236	-22.01402699	0.043128	0.1564077	0.1192526	0.0793046	-14.02091
5503000000	0.052359878	-3.036872899	-23.5698081	-16.43002643	-18.43300934	-24.14353884	0.0662994	0.1508338	0.1197704	0.0620616	-14.00191
5503000000	0.052359878	-2.984513021	-19.36524937	-18.97009194	-18.56131868	-26.58310902	0.1075815	0.1125889	0.1180141	0.0468646	-14.31028
5503000000	0.052359878	-2.932153143	-16.86631372	-14.14733905	-20.18827655	-18.10125937	0.1434446	0.1961702	0.0978557	0.1244334	-11.02736
5503000000	0.052359878	-2.879793266	-15.54370375	-10.89450237	-22.35839052	-12.30785475	0.1670378	0.2852823	0.076222	0.2424417	-8.279694
5503000000	0.052359878	-2.827433388	-14.70507708	-10.99401964	-20.47647581	-9.210597286	0.1839696	0.2820324	0.0946621	0.3463141	-6.868663
5503000000	0.052359878	-2.775073511	-13.65760775	-12.99262536	-17.47914075	-8.200457266	0.2075485	0.2240623	0.1336728	0.3890247	-6.426827
5503000000	0.052359878	-2.722713633	-12.33753805	-11.3354671	-14.96970017	-9.293622945	0.2416146	0.2711606	0.1784494	0.3430195	-5.728139
5503000000	0.052359878	-2.670353756	-11.43907826	-8.15017358	-12.28407845	-13.21811619	0.2679453	0.3912833	0.2431062	0.2183203	-5.03116
5503000000	0.052359878	-2.617993878	-11.43266441	-6.880171428	-9.806977955	-20.68712831	0.2681432	0.4528886	0.3233338	0.092394	-4.907227
5503000000	0.052359878	-2.565634	-11.98771061	-7.26046123	-8.227474131	-15.36186158	0.2515443	0.4334487	0.3878165	0.1705717	-4.128241
5503000000	0.052359878	-2.513274123	-12.23073844	-8.273699602	-7.725857259	-11.19191607	0.2446037	0.3857584	0.1087726	0.2756793	-3.629454
5503000000	0.052359878	-2.460914245	-12.32297756	-8.503216215	-9.7384017587	-9.8414730407	0.2420199	0.3756983	0.4009405	0.2325023	-3.473897
5503000000	0.052359878	-2.408545368	-13.24273574	-7.759420106	-7.799320989	-9.903321133	0.2177024	0.409288	0.4074121	0.3197672	-3.87138
5503000000	0.052359878	-2.35619449	-14.31153578	-6.844230079	-6.411114418	-10.09687259	0.1924967	0.4547665	0.478018	0.3127205	-2.865412
5503000000	0.052359878	-2.303834613	-12.37021495	-6.146626546	-4.55440869	-9.085722591	0.2407073	0.4927977	0.5919426	0.3513289	-1.531097
5503000000	0.052359878	-2.251474735	-9.106508923	-5.861789414	-3.712228197	-7.313075743	0.3504891	0.5092626	0.6861813	0.43087	-0.101493
5503000000	0.052359878	-2.199114858	-6.864564426	-6.094455768	-2.955538436	-5.942044994	0.4537031	0.4957665	0.7115789	0.5045425	0.6909292
5503000000	0.052359878	-2.14675498	-5.76803132	-6.547276638	-3.568711295	-5.330735433	0.5147525	0.4075689	0.6630777	0.5413538	0.7873581
5503000000	0.052359878	-2.094395102	-5.399670875	-6.437227691	-4.477813441	-5.344827429	0.5370521	0.4765831	0.5975983	0.5404539	0.6349834
5503000000	0.052359878	-2.042035225	-5.190999355	-5.539406583	-4.114112029	-5.670391406	0.5501106	0.5284814	0.6017684	0.5205716	0.8315324
5503000000	0.052359878	-1.989675347	-4.908111777	-4.598170992	-3.407461052	-6.019830641	0.5683219	0.5889677	0.6755025	0.5000443	1.3370856
5503000000	0.052359878	-1.93731547	-4.84384252	-4.145276735	-2.613228388	-6.374534771	0.5725427	0.620492	0.7401821	0.4800354	1.6314541
5503000000	0.052359878	-1.884955592	-5.200470579	-4.189587679	-2.356620284	-6.92235192	0.5495111	0.6173346	0.7623756	0.4506947	1.5106325
5503000000	0.052359878	-1.832595715	-5.640756389	-4.442079803	-2.153998727	-7.60016852	0.5223507	0.5996475	0.7803691	0.4168613	1.2862711
5503000000	0.052359878	-1.780235837	-5.55111037	-4.566304104	-1.45880312	-7.787802199	0.5277697	0.5911324	0.8453953	0.4079528	1.4826102
5503000000	0.052359878	-1.72787596	-4.891398123	-4.47232963	-0.480398993	-7.03940047	0.5694166	0.5975628	0.9461937	0.444662	1.2368505
5503000000	0.052359878	-1.675516082	-4.126462778	-4.320798423	0.204532694	-5.830102618	0.6218374	0.6080791	1.0238271	0.511087	2.812771
5503000000	0.052359878	-1.623156204	-3.495271864	-4.231675694	0.33907427	-4.624787993	0.6680708	0.6143505	1.039191	0.5871656	3.2555133
5503000000	0.052359878	-1.570796327	-2.907344806	-4.145810902	0.033470387	-3.430543465	0.7155381	0.6240458	1.0038609	0.6737097	3.5610041
5503000000	0.052359878	-1.518436449	-2.162031106	-3.92891241	-0.3527311462	-2.170894404	0.7796478	0.6361418	0.9624173	0.7788526	3.9605555
5503000000	0.052359878	-1.466076572	-1.200579199	-3.547353631	-0.138074063	-0.984355605	0.8709055	0.6647102	0.9424239	0.8928576	4.5343103
5503000000	0.052359878	-1.413716694	-0.166864713	-3.111752282	-0.64783927	-0.144022442	0.9809723	0.6988597	0.9281283	0.9385555	5.0580431
5503000000	0.052359878	-1.361356817	0.77165897	-2.751297344	-0.967774075	0.153106284	1.092906	0.7285094	0.8945638	1.0177833	5.4223335
5503000000	0.052359878	-1.308996939	1.547114491	-2.4867526	-1.418241906	-0.13668572	1.1949665	0.7510388	0.8493524	0.9843866	5.5286485
5503000000	0.052359878	-1.256637061	2.168847497	-2.222060078	-1.620301548	-0.931857019	1.2836374	0.7742781	0.829822	0.9882705	5.5430308
5503000000	0.052359878	-1.204277184	2.670568307	-1.860917528	-1.372180526	-2.118186102	1.3599671	0.8071498	0.8538685	0.7835933	5.5855314
5503000000	0.052359878	-1.151917306	3.080725093	-1.447178575	-0.987764838	-3.68656724	1.4257266	0.8465275	0.8925073	0.6541414	5.6181721
5503000000	0.052359878	-1.099557429	3.401865384	-1.164305535	-0.821097311	-5.647818835	1.4794261	0.8745502	0.9097983	0.5129262	5.5423256
5503000000	0.052359878	-1.047197551	3.601689404	-1.201005384	-0.682036962	-7.012824709	1.5138557	0.8786028	0.9034348	0.4460246	5.4232999
5503000000	0.052359878	-0.994837674	3.634976962	-1.621151368	-0.840149544	-5.774976707	1.5196685	0.8297408	0.9078049	0.514341	5.5098093
5503000000	0.052359878	-0.942477796	3.484783246	-1.293256774	-0.368744084	-6.52924536	1.4936167	0.7679575	0.9584353	0.646567	5.7662736
5503000000	0.052359878	-0.890117919	3.194024511	-2.942461133	0.390907262	-2.288545949	1.4444457	0.7126511	1.0460329	0.7683741	5.9584998
5503000000	0.052359878	-0.837758041	2.870835541	-3.397508956	1.067752919	-2.85969718	1.3916877	0.6762769	1.1308048	0.768602	5.9494572
5503000000	0.052359878	-0.785398163	2.647164055	-3.697244096	1.509415313	-3.022202037	1.3563076	0.6533978	1.1897912	0.7061385	5.8131001
5503000000	0.052359878	-0.733038286	2.576250655	-3.78245245	1.784606935	-3.022960934	1.3452795	0.6465937	1.2280904	0.705508	5.8580469
5503000000	0.052359878	-0.680678408	2.563189689	-3.415156791	1.99502236	-1.683515413	1.3432582	0.6749042	1.2584186	0.8238046	6.235894
5503000000	0.052359878	-0.628318531	2.456438363	-2.6564167	1.96604018	-0.29660418	1.3268503	0.7365109	1.2811179	0.9664286	6.6707745
5503000000	0.052359878	-0.575958653	2.208164347	-1.888046948	2.18108415	-0.414363612	1.289461	0.8046327	1.2854471	1.0488949	6.9044069
5503000000	0.052359878	-0.523598776	1.92640952	-1.273756455	2.055170531	0.563250825	1.2483043	0.8635991	1.2669472	1.0669954	6.9384885
5503000000	0.052359878	-0.471238898	1.76304253	-0.657126765	1.843386105	0.566152444	1.2250452	0.9271365	1.2364293	1.0673519	6.9582315
5503000000	0.052359878	-0.41887902	1.739803988	0.051713657	1.64686947	0.801161383	1.2217721	1.0059715	1.2087694	0.9966248	7.1073786
5503000000	0.052359878	-0.366519143	1.739640773	0.6297831	1.48675918	1.30386683	1.2217491	1.0751998	1.1866918	1.1619658	7.3202485
5503000000	0.052359878	-0.314519265	1.663498435	0.812902742	1.30410922	1.1797194499	1.2110858	1.0981082	1.1619982	1.2298715	7.4233228
5503000000	0.052359878	-0.261799388	1.524421988	0.594712728	1.085240486	2.008940974	1.1918486	1.0708672	1.1330838	1.260222	7.3396999
5503000000	0.052359878	-0.20943951	1.399214339	0.26890756	0.934268926	1.918239844	1.1747913	1.0314433	1.1135595	1.2471308	7.1718776
5503000000	0.052359878	-0.157079633	1.328789565	0.205514204	0.967299027	1.809309067	1.1653046	1.0239428	1.1178022	1.231588	7.1719104
5503000000	0.052359878	-0.104719755	1.27721837	0.506158359	1.152091357	1.985970259	1.1584063	1.060005	1.1418382	1.2568936	7.2668668
5503000000	0.052359878	-0.052359878	1.166907317	1.015061003	1.322126082	2.357732473	1.1437876	1.1239657	1.164411	1.3118574	7.5023333
5503000000	0.052359878	-4.444-16	0.959000814	1.5074443	1.372672621	2.632027263	1.1167348	1.1895213			

5503000000	0.052359878	2.722713633	-12.58068279	-15.12886482	-10.46347437	-6.202759336	0.2349448	0.1752091	0.2997963	0.4896233	-4.440063
5503000000	0.052359878	2.775073511	-12.20280966	-10.83837221	-9.333260538	-6.535377671	0.2453915	0.2871319	0.3414577	0.471228	-3.444804
5503000000	0.052359878	2.827433388	-10.80541878	-9.841828668	-9.077242803	-6.994316005	0.2882233	0.3220391	0.3516721	0.446976	-3.042932
5503000000	0.052359878	2.879793266	-9.857128898	-11.71646153	-9.44812416	-7.452623183	0.3214723	0.2595236	0.336972	0.4240027	-3.465738
5503000000	0.052359878	2.932153143	-10.05089313	-17.09577055	-9.867989885	-8.402623732	0.3143803	0.1397048	0.3210706	0.3800746	-4.767228
5503000000	0.052359878	2.984513021	-11.60444765	-23.71938808	-10.82777602	-10.46210435	0.2628921	0.0651674	0.2874824	0.2998436	-6.788519
5503000000	0.052359878	3.036872899	-14.59823027	-22.6799208	-13.11498388	-14.10395119	0.1862467	0.0734521	0.220928	0.1971526	-9.398834
5503000000	0.052359878	3.089232766	-18.935696	-29.64097542	-16.28099339	-19.16552917	0.1130356	0.0329573	0.1534441	0.1100838	-13.77508
5503000000	0.052359878	3.141592654	-24.03857033	-21.42039338	-18.06654221	-21.99383234	0.0628162	0.0849142	0.1249318	0.0794892	-15.06017
5503000000	0.052359878	3.141592654	-24.03857042	-21.42039347	-18.06654245	-21.99383258	0.0628162	0.0849142	0.1249318	0.0794892	-15.06017
5503000000	0.052359878	3.089232776	-27.59047955	-16.1227411	-18.23836923	-22.42092813	0.0417327	0.1562654	0.1224846	0.0756752	-14.06323
5503000000	0.052359878	3.036872899	-23.10168684	-16.41339383	-18.1250547	-25.29926704	0.0699706	0.1511229	0.124093	0.0543296	-13.98991
5503000000	0.052359878	2.984513021	-19.02324717	-18.93469546	-18.3244318	-28.30355206	0.1119019	0.1130486	0.121277	0.0384435	-14.31881
5503000000	0.052359878	2.932153143	-16.6655941	-14.13101477	-19.7547177	-18.63026536	0.1467817	0.1965392	0.1028316	0.1170811	-11.00683
5503000000	0.052359878	2.879793266	-15.38894761	-10.82100291	-20.86034671	-12.64456461	0.1700406	0.2877066	0.0905696	0.2322232	-8.161575
5503000000	0.052359878	2.827433388	-14.65343533	-10.85049941	-19.05538116	-9.414853752	0.1850663	0.2867313	0.1114887	0.3382652	-6.730208
5503000000	0.052359878	2.775073511	-13.70312948	-12.99779856	-17.06400995	-8.31289222	0.2064636	0.2239289	0.1402166	0.3840214	-6.423894
5503000000	0.052359878	2.722713633	-12.03860646	-11.77646686	-15.35297247	-9.380789543	0.2500747	0.2577369	0.1707462	0.3395944	-5.864346
5503000000	0.052359878	2.670357556	-10.38781462	-8.49896278	-12.71123985	-14.88008433	0.3024191	0.378808	0.2314398	0.2118341	-5.024043
5503000000	0.052359878	2.617993878	-9.511014032	-7.071679746	-9.93023863	-23.2906745	0.334541	0.4430215	0.3187778	0.068952	-4.69197
5503000000	0.052359878	2.565634	-9.390806339	-7.311713518	-8.14525124	-16.26835961	0.339203	0.4309375	0.3915051	0.1536675	-3.640017
5503000000	0.052359878	2.513274123	-9.490812469	-8.27899475	-7.517628841	-11.88467075	0.3353199	0.385523	0.4208415	0.2545461	-3.121457
5503000000	0.052359878	2.460914245	-9.500376339	-8.631266117	-7.57946745	-10.83195351	0.3349509	0.3702002	0.417856	0.2873441	-3.034054
5503000000	0.052359878	2.40854368	-9.812275545	-7.951336671	-7.304442356	-11.37971527	0.3231367	0.4003439	0.4312984	0.2697828	-2.946974
5503000000	0.052359878	2.3561949	-10.80953585	-6.946094927	-6.09039454	-11.7260164	0.2880867	0.4044644	0.5006659	0.2592383	-2.513523
5503000000	0.052359878	2.303834613	-11.85244715	-6.148987682	-4.38095872	-10.01586202	0.2554922	0.492638	0.603882	0.3156508	-1.5783
5503000000	0.052359878	2.251474735	-11.2062131	-5.85817392	-3.287394556	-7.52255691	0.2752529	0.596438	0.6849049	0.4201237	-0.492777
5503000000	0.052359878	2.199114858	-9.427146605	-6.199494369	-3.07765439	-5.700452651	0.3377868	0.4898073	0.7016448	0.518773	0.2064095
5503000000	0.052359878	2.14675498	-8.105285237	-6.863597848	-3.669568686	-4.73804465	0.3933107	0.5375356	0.6554228	0.5795592	0.3492077
5503000000	0.052359878	2.094395102	-7.347359328	-6.950893751	-4.337357642	-4.512476986	0.4291726	0.4492161	0.6069209	0.5948071	0.3411545
5503000000	0.052359878	2.042035225	-6.579112504	-6.093782962	-3.999360918	-4.8312706	0.4688613	0.5580409	0.6310038	0.573372	0.7047593
5503000000	0.052359878	1.989675347	-5.601705226	-5.114855569	-2.999207096	-5.513650012	0.5247044	0.5549453	0.7080104	0.5300508	1.2806193
5503000000	0.052359878	1.93731547	-4.796894518	-4.620098126	-2.381782294	-6.477704901	0.5765457	0.5874827	0.7601703	0.4743673	1.5751738
5503000000	0.052359878	1.884955592	-4.420657766	-4.605188823	-2.355571823	-7.718381996	0.6011282	0.588492	0.7624676	0.4112263	1.4498292
5503000000	0.052359878	1.832595715	-4.340162717	-4.750776578	-2.385464715	-8.761807056	0.606725	0.5787102	0.7589738	0.3646781	1.2482062
5503000000	0.052359878	1.780235837	-4.240870599	-4.737832189	-1.899789285	-8.249626343	0.6137005	0.5795733	0.8035456	0.3686287	1.524243
5503000000	0.052359878	1.72787596	-3.941993128	-4.534571121	-1.049543068	-6.269762715	0.6351852	0.593296	0.8861818	0.4858608	2.2806169
5503000000	0.052359878	1.675516082	-3.482127344	-4.318389143	-0.442913629	-4.250915514	0.6697206	0.6082478	0.9502857	0.6129912	3.0495745
5503000000	0.052359878	1.623156204	-2.946196746	-4.182005924	-0.361009141	-2.647559283	0.7123446	0.6178737	0.9592892	0.7349713	3.5924109
5503000000	0.052359878	1.570796327	-2.374002281	-4.046723642	-0.674907535	-1.444446541	0.7608515	0.6275724	0.9252405	0.8467938	3.9744009
5503000000	0.052359878	1.518436449	-1.771185228	-3.78800129	-1.009980963	-0.423419947	0.8155315	0.6465468	0.8902274	0.9524211	4.3621111
5503000000	0.052359878	1.466076572	-1.108653951	-3.393218921	-1.141038434	0.37685055	0.8801715	0.676611	0.8768964	1.0434315	4.8060426
5503000000	0.052359878	1.413716694	-0.344393033	-2.975672525	-1.230413629	0.812222927	0.9611261	0.7099314	0.8679192	1.0980223	5.1942636
5503000000	0.052359878	1.361356817	-0.518716309	-2.647072413	-1.482705551	0.731972975	1.0615387	0.7373036	0.8430721	1.0879242	5.413201
5503000000	0.052359878	1.308996939	1.408659648	-2.407906752	-1.79214391	0.087671806	1.1760695	0.7578874	0.813566	1.0101449	5.4777672
5503000000	0.052359878	1.256637061	2.219101912	-2.1541943	-1.818449491	-0.101229155	1.2910858	0.7803515	0.8111063	0.8900995	5.5123144
5503000000	0.052359878	1.204277184	2.864604398	-1.800572184	-1.485939858	-2.312880884	1.3906896	0.812777	0.8427582	0.7662244	5.6034814
5503000000	0.052359878	1.151917306	3.319295412	-1.408308558	-1.2128821359	-1.571808644	1.465429	0.8503243	0.8781302	0.6628413	5.703773
5503000000	0.052359878	1.099557429	3.614303596	-1.168065887	-1.057053673	-4.596420756	1.5160558	0.8741716	0.8904813	0.5890864	5.7331595
5503000000	0.052359878	1.047197551	3.789366342	-1.267967779	-1.051306032	-4.856837404	1.5469216	0.8641748	0.886002	0.5716868	5.7308925
5503000000	0.052359878	0.994837674	3.842610683	-1.769108156	-0.934333933	-3.911277338	1.5564334	0.8157265	0.8980144	0.6374353	5.8176236
5503000000	0.052359878	0.942477796	3.736364576	-2.523761829	-1.044933824	-2.612099317	1.537511	0.7478455	0.9533521	0.7402783	5.9748503
5503000000	0.052359878	0.890117591	3.450140726	-3.209942989	0.328516598	-1.97199688	1.4876715	0.6910395	1.0385462	0.7968933	6.051273
5503000000	0.052359878	0.837758041	3.033485047	-3.601884215	0.967206758	-2.240824851	1.4179935	0.6505051	1.1177903	0.7726072	5.9582894
5503000000	0.052359878	0.785398163	2.625904848	-3.719711861	1.397169771	-2.784881635	1.352992	0.65165	1.1737848	0.725698	5.8098741
5503000000	0.052359878	0.733038286	2.381445187	-3.533933956	1.688301871	-2.301625348	1.3154437	0.6657379	1.2145491	0.7672179	5.939769
5503000000	0.052359878	0.680678408	2.305128459	-2.933536435	1.950714663	-0.943748245	1.3039364	0.7133837	1.2518023	0.8970416	6.3471273
5503000000	0.052359878	0.628318531	2.2416999	-2.107250747	2.163221766	0.07869537	1.2944492	0.7845804	1.2828063	1.0901013	6.7908914
5503000000	0.052359878	0.575958653	2.075635953	-1.419266697	2.2414162	0.400042154	1.2699359	0.8492522	1.2944069	1.0741336	6.967516
5503000000	0.052359878	0.523598776	1.858783501	-0.967956066	2.153085228	0.342756553	1.2386231	0.894545	1.2813101	1.0402502	6.9558249
5503000000	0.052359878	0.471238898	1.728395834	-0.532738261	1.968713547	0.43795806	1.2201685	0.9405093	1.2543989	1.0517146	6.9793313
5503000000	0.052359878	0.41887902	1.720831909	0.052986157	1.784895407	0.885226423	1.2191064	1.0601189	1.2281312	1.1072899	7.159928
5503000000	0.052359878	0.366519143	1.727086339	0.591624631	1.611980256	1.449520022	1.2199845	1.0704866	1.2039238	1.181615	7.3769086
5503000000	0.052359878	0.314159265	1.644379601	0.785818287	1.387679631	1.51263324	1.208423	1.0946894	1.1732322	1.2375512	7.4469996
5503000000	0.052359878	0.261799388	1.490598138	0.593699205	1.112372399	1.957032142	1.1872165	1.0703423	1.1366287	1.2527131	7.3234514
5503000000	0.052359878	0.20479351	1.359650714	0.286859693	0.915807976	1.832510115	1.1694524	1.0335774	1.1111953	1.2348821	7.1379234
5503000000	0.052359878	0.157079633	1.301453719	0.2272472	0.931217411	1.762228043	1.161643	1.0265075	1.1313684	1.2249304	7.0941695
5503000000	0.052359878	0.104719755	1.267616411	0.523377699	1.						

5503000000	0.104719755	2.617993878	-12.05957044	-13.61285589	-9.047793371	-7.705082839	0.2494718	0.2086206	0.3528664	0.4118564	-4.273383
5503000000	0.104719755	2.670353756	-11.8639182	-18.0143748	-10.20902243	-6.967189467	0.255155	0.1256844	0.3087087	0.4483741	-4.898349
5503000000	0.104719755	2.722713633	-12.43213883	-13.60942047	-9.925395792	-6.642455526	0.2389973	0.2807031	0.3189556	0.4654545	-4.207606
5503000000	0.104719755	2.775073511	-11.92426439	-10.09211871	-9.177329875	-6.73451541	0.2533884	0.3128917	0.347643	0.4605473	-3.257892
5503000000	0.104719755	2.827433388	-10.50441728	-9.42323558	-9.177711177	-6.931882407	0.2983865	0.3379389	0.3476278	0.4502004	-2.888687
5503000000	0.104719755	2.879793266	-9.605471952	-11.43470711	-9.620774702	-7.320104742	0.3309226	0.2680801	0.3303401	0.4305214	-3.750589
5503000000	0.104719755	2.932153143	-9.859924628	-16.80976775	-10.02610345	-8.336686265	0.3213688	0.1443815	0.3152788	0.3829708	-4.310645
5503000000	0.104719755	2.984513021	-11.43417687	-23.59791327	-11.05576781	-10.46104814	0.2680965	0.0660852	0.2800345	0.2998801	-6.800761
5503000000	0.104719755	3.036872899	-14.37781793	-22.90564836	-13.48123478	-14.12038437	0.1910333	0.0715678	0.211806	0.1967799	-9.483729
5503000000	0.104719755	3.089232776	-18.64663174	-30.18833561	-16.62045139	-19.14215764	0.1168607	0.0309445	0.147563	0.1103804	-13.85546
5503000000	0.104719755	3.141592654	-24.03857042	-21.42039347	-18.06654245	-21.99383258	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.157079633	-3.141592654	-24.03857056	-21.42039328	-18.06654221	-21.99383825	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.157079633	-3.089232776	-27.73817075	-16.1338349	-18.0062787	-22.84667704	0.0410291	0.156066	0.1258016	0.0720553	-14.08971
5503000000	0.157079633	-3.036872899	-22.61707317	-16.36597262	-17.79545046	-26.5780438	0.0739855	0.1519502	0.1288924	0.0468919	-13.94213
5503000000	0.157079633	-2.984513021	-18.76770917	-18.86230612	-17.96373471	-30.86580429	0.115243	0.1139947	0.1264193	0.0286226	-14.32765
5503000000	0.157079633	-2.932153143	-16.66803014	-14.17106685	-19.05647785	-19.67260392	0.1467569	0.195635	0.1114746	0.1038412	-11.09247
5503000000	0.157079633	-2.879793266	-15.56110932	-10.76436538	-19.53433021	-13.35292199	0.1667034	0.2895888	0.1055075	0.2149581	-8.214886
5503000000	0.157079633	-2.827433388	-15.00750827	-10.62316239	-18.02666097	-9.877887933	0.1776743	0.294335	0.1255067	0.3207049	-6.761567
5503000000	0.157079633	-2.775073511	-14.19899277	-12.72586796	-16.5405977	-8.42386337	0.1950071	0.2310503	0.1488494	0.3722423	-6.492233
5503000000	0.157079633	-2.722713633	-12.20233833	-12.19001813	-15.21077031	-9.489877638	0.2454048	0.2457532	0.1735647	0.335356	-6.019916
5503000000	0.157079633	-2.670353756	-9.896513775	-9.009029452	-12.70882581	-13.42865321	0.3200179	0.3544447	0.2315041	0.2130921	-5.043541
5503000000	0.157079633	-2.617993878	-8.385134222	-7.442092116	-9.927326532	-24.43126968	0.3800406	0.425398	0.3188847	0.0600394	-4.54504
5503000000	0.157079633	-2.565634	-7.806726005	-7.466398718	-8.14830561	-17.19009508	0.4070649	0.423331	0.3915703	0.1381959	-3.348786
5503000000	0.157079633	-2.513274123	-7.787942265	-8.29867992	-7.509154524	-12.12453901	0.4079462	0.3846502	0.4212523	0.2476112	-2.724861
5503000000	0.157079633	-2.460914245	-7.91711895	-8.759405284	-7.516594293	-10.59901381	0.4019241	0.3647789	0.4208916	0.2951544	-2.599247
5503000000	0.157079633	-2.408554368	-8.223346234	-8.256503152	-7.192629308	-10.62281838	0.3880009	0.3865226	0.4368864	0.2943466	-2.465505
5503000000	0.157079633	-2.35619449	-9.103063394	-7.226047887	-5.985323104	-10.93066631	0.3506282	0.4352087	0.5020348	0.2849815	-2.086836
5503000000	0.157079633	-2.30384613	-10.7122382	-6.274559543	-5.112029372	-9.917134273	0.2913319	0.4855992	0.5948378	0.3192591	-1.457618
5503000000	0.157079633	-2.251474735	-12.09301894	-5.830410288	-3.523024114	-7.755958441	0.248513	0.1510689	0.6665747	0.4094511	-0.750033
5503000000	0.157079633	-2.199114858	-11.5986765	-6.075724152	-3.327020842	-5.732705882	0.2630669	0.4968368	0.6817874	0.5168502	-0.181945
5503000000	0.157079633	-2.14675498	-10.20244269	-6.754217584	-3.809570606	-4.404556403	0.3089426	0.4595038	0.6449432	0.6022436	0.0676305
5503000000	0.157079633	-2.094395102	-9.130931291	-7.012773124	-4.263752213	-3.807288213	0.349505	0.4460272	0.6120859	0.6451127	0.2264003
5503000000	0.157079633	-2.042035225	-8.245588444	-6.336599722	-3.848408118	-3.860638366	0.3870086	0.4821365	0.6420659	0.6411625	0.6377524
5503000000	0.157079633	-1.989675347	-7.217117183	-5.42178497	-2.99092613	-4.518563027	0.4356564	0.5356866	0.7086857	0.5943095	1.1168105
5503000000	0.157079633	-1.93731547	-6.133242324	-4.898986021	-2.574265007	-5.880434431	0.4935576	0.5689193	0.7435099	0.508134	1.267121
5503000000	0.157079633	-1.884955592	-5.173044946	-4.77129408	-2.736437618	-8.289309705	0.5512486	0.5773448	0.7297567	0.3850654	0.997595
5503000000	0.157079633	-1.832595715	-4.334585092	-4.720044915	-2.895978835	-11.93279352	0.6071147	0.5807164	0.716475	0.2531397	0.6583794
5503000000	0.157079633	-1.780235837	-3.577955715	-4.492592748	-2.407314374	-12.53518697	0.6623724	0.5967103	0.757939	0.2361787	1.0333147
5503000000	0.157079633	-1.72787596	-2.932399434	-4.144622326	-1.957945416	-8.336239605	0.7134771	0.6205387	0.8406258	0.3829905	2.1361617
5503000000	0.157079633	-1.675516082	-2.392695689	-3.866769832	-0.823248709	-4.989494765	0.7592158	0.64071	0.909573	0.5624388	3.1429
5503000000	0.157079633	-1.623156204	-1.855875056	-3.718764921	-0.607954194	-2.772682473	0.8076185	0.6517211	0.9324001	0.7267179	3.8581967
5503000000	0.157079633	-1.570796327	-1.252323962	-3.59606047	-0.73695391	-1.190272442	0.8653727	0.6609932	0.9186547	0.8719396	4.3951477
5503000000	0.157079633	-1.518436449	-0.655371693	-3.364766746	-0.911943749	0.002900941	0.9273238	0.678831	0.9003233	1.000334	4.8776724
5503000000	0.157079633	-1.466076572	-0.158610087	-3.08444934	-0.988310764	0.844755135	0.9819051	0.707255	0.8924512	1.1021425	5.3052177
5503000000	0.157079633	-1.413716694	0.286839543	-2.634528664	-1.092655678	1.243731798	1.033575	0.7383692	0.8817942	1.1539489	5.9256254
5503000000	0.157079633	-1.361356817	0.847332813	-2.350761669	-1.334201374	1.001669493	1.1024696	0.76289	0.8576102	1.135033	5.7066508
5503000000	0.157079633	-1.308996939	1.610262372	-2.160727997	-1.576476263	0.417455271	1.2036857	0.7797648	0.8340195	1.049235	5.7262208
5503000000	0.157079633	-1.256637061	2.457829705	-1.968760003	-1.558922627	-0.609877906	1.3270628	0.7971903	0.8357067	0.9321936	5.783199
5503000000	0.157079633	-1.204277184	3.181852599	-1.693982768	-1.276978808	-1.616752288	1.442423	0.8228125	0.8632788	0.8301589	5.9303929
5503000000	0.157079633	-1.151971306	3.656076162	-1.390713173	-1.00894167	-2.360613264	1.5233644	0.8520485	0.8903388	0.7620252	6.0807803
5503000000	0.157079633	-1.099557429	3.892064517	-1.237740194	-0.919451727	-2.89575669	1.5653203	0.8671875	0.8995581	0.7164934	6.12541
5503000000	0.157079633	-1.047197551	3.984294803	-1.146643809	-0.849593409	-3.151437302	1.5820301	0.8465087	0.9030323	0.6957098	6.0861064
5503000000	0.157079633	-0.994837674	4.000712887	-1.982637919	-0.635670051	-2.843739082	1.5850233	0.7959176	0.9294296	0.7207971	6.0880172
5503000000	0.157079633	-0.942477796	3.917315809	-2.763910726	-0.055792993	-2.22377787	1.5698776	0.7274522	0.9935972	0.774125	6.1607222
5503000000	0.157079633	-0.890117919	3.659899944	-3.392957615	0.644977362	-1.961070066	1.5240352	0.6766314	1.0770822	0.7978964	6.1833275
5503000000	0.157079633	-0.837758041	3.199821246	-3.630787146	1.196658625	-2.242453068	1.44541	0.6835558	1.1477712	0.7724624	6.0724305
5503000000	0.157079633	-0.785398163	2.635868252	-3.540050027	1.525878601	-2.311793259	1.3545449	0.6652693	1.1920485	0.7663203	5.9730954
5503000000	0.157079633	-0.733038286	2.185900426	-3.151650723	1.731106427	-1.328173327	1.2861601	0.6956927	1.2205493	0.852056	6.1512207
5503000000	0.157079633	-0.680678408	1.99333721	-2.432370205	1.921271663	-0.04105993	1.2579601	0.7557558	1.2475662	0.995284	6.5605875
5503000000	0.157079633	-0.628318531	1.95866716	-1.601245521	2.09494726	0.593970669	1.2529489	0.8316445	1.2727625	1.0707758	6.9038106
5503000000	0.157079633	-0.575958653	1.905894937	-0.986968215	2.170370275	0.465401054	1.2453595	0.8925891	1.2838625	1.0550427	6.9988585
5503000000	0.157079633	-0.523598776	1.805318421	-0.661792788	2.109540721	0.012759891	1.2310223	0.9266385	1.2749026	1.0140958	6.9400772
5503000000	0.157079633	-0.471238898	1.748990964	-0.383951	1.973604862	0.297381105	1.223065	0.9057888	1.2551055	1.0348301	6.9850831
5503000000	0.157079633	-0.41887902	1.771567575	0.072328	1.8416306	0.973659853	1.2262482	1.0083618	1.2361795	1.186211	7.2145385
5503000000	0.157079633	-0.366519143	1.778932763	0.555425609	1.699090701	1.603814552	1.2272884	1.0606304	1.2160473	1.2027925	7.4438059
5503000000	0.157079633	-0.314159265	1.678418772	1.678418772	1.909968347	1.909968347	1.213168	1.0907103	1.1840432	1.2459437	7.4837177
5503000000	0.157079633	-0.261799388	1.499320425	0.593208263	1.512466692	1.898473718	1.1884092	1.0706818	1.1418875	1.2422959	7.3196278
5503000000	0.157079633	-0.20943951	1.352559126	0.31359046	0						

5503000000	0.157079633	2.513274123	-14.40875477	-7.538876213	-7.52291484	-5.815314936	0.1903541	0.4198133	0.4205855	0.5119579	-2.25491
5503000000	0.157079633	2.565634	-16.07848977	-9.702748275	-7.8775569	-7.649605878	0.1570636	0.3272371	0.4037589	0.4144954	-3.724678
5503000000	0.157079633	2.617993878	-13.27224425	-13.88082413	-8.84750108	-8.009722258	0.2169641	0.2022827	0.3610979	0.3976618	-4.597646
5503000000	0.157079633	2.670353756	-12.50039011	-17.12680338	-9.678053323	-7.446804664	0.2371267	0.1392066	0.3281688	0.424287	-4.968343
5503000000	0.157079633	2.722713633	-12.73929788	-12.4581564	-9.474508619	-7.061937039	0.2306934	0.2382825	0.3359499	0.4435097	-4.093277
5503000000	0.157079633	2.775073511	-11.97772602	-9.495414449	-9.055193144	-6.882959175	0.2518336	0.3351423	0.3525659	0.4527343	-3.146036
5503000000	0.157079633	2.827433388	-10.40852834	-9.125742997	-9.272966004	-6.838472925	0.3016988	0.3497139	0.3438363	0.4550681	-2.791341
5503000000	0.157079633	2.879793266	-9.488664968	-11.28392674	-9.754575691	-7.189134715	0.3354029	0.2727744	0.3252904	0.4370622	-3.28283
5503000000	0.157079633	2.932153143	-9.763798588	-16.64356458	-10.15804958	-8.287060848	0.3249452	0.1471708	0.3105257	0.3816551	-4.67318
5503000000	0.157079633	2.984513021	-11.32593792	-23.29528226	-11.29623445	-10.4797485	0.2714583	0.0684283	0.2723882	0.2992351	-6.825372
5503000000	0.157079633	3.036872899	-14.18689816	-23.07108614	-13.89036573	-14.15158037	0.1952788	0.0702176	0.2020606	0.1960744	-5.82061
5503000000	0.157079633	3.089232776	-18.36985103	-30.81355709	-16.98750741	-19.12369108	0.1206445	0.0287953	0.1414571	0.1106154	-13.94662
5503000000	0.157079633	3.141592654	-24.03857056	-21.42039328	-18.06654221	-21.9938325	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.20943951	3.141592654	-24.03857037	-21.42039329	-18.06654243	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.20943951	-3.089232776	-27.75663551	-16.14832217	-17.77656	-23.29033422	0.0409419	0.1558059	0.1291731	0.0684673	-14.10212
5503000000	0.20943951	-3.036872899	-22.15805166	-16.28925547	-17.45812172	-27.97249842	0.0780005	0.1532983	0.1339966	0.039397	-13.86652
5503000000	0.20943951	-2.984513021	-18.60275789	-18.74770299	-17.53547227	-34.94281136	0.1174525	0.1155087	0.1328087	0.0179003	-14.34144
5503000000	0.20943951	-2.932153143	-16.85897404	-14.27128439	-18.28433211	-21.37435641	0.1435659	0.1933908	0.1218382	0.0853655	-11.30606
5503000000	0.20943951	-2.879793266	-16.03347543	-10.73960658	-18.50086342	-14.49104689	0.1578797	0.2904154	0.1188384	0.1885592	-8.453696
5503000000	0.20943951	-2.827433388	-15.07841215	-10.34974787	-17.34694793	-10.61537318	0.1639109	0.3037474	0.1357227	0.2946601	-6.954675
5503000000	0.20943951	-2.775073511	-15.09178346	-12.21564604	-16.04827342	-9.009603486	0.1759587	0.2450291	0.1576109	0.3544213	-6.62278
5503000000	0.20943951	-2.722713633	-12.83147773	-12.42865255	-14.69402748	-9.6135185	0.2282581	0.2390933	0.1842038	0.3306162	-6.176855
5503000000	0.20943951	-2.670353756	-9.970509315	-9.62076251	-12.36244656	-13.02756313	0.3173033	0.330408	0.2409227	0.2220096	-5.109631
5503000000	0.20943951	-2.617993878	-7.975367763	-7.909355075	-9.816194194	-23.01414354	0.3992378	0.4022835	0.329909	0.0706794	-4.471849
5503000000	0.20943951	-2.565634	-7.076595779	-7.702908367	-8.170984367	-18.5198111	0.4427619	0.4119596	0.3903514	0.1195091	-3.320607
5503000000	0.20943951	-2.513274123	-7.00287176	-8.308047397	-7.577968761	-12.12403558	0.4465359	0.3842356	0.4179281	0.2476271	-2.520071
5503000000	0.20943951	-2.460914245	-7.36071303	-8.828929954	-7.542514751	-9.65055224	0.4285133	0.3842708	0.4196375	0.3292094	-2.274524
5503000000	0.20943951	-2.408543688	-7.93896984	-8.623145176	-7.177761565	-8.89256006	0.4009143	0.3705465	0.4376349	0.3592295	-2.111878
5503000000	0.20943951	-2.35619449	-8.910490031	-7.698053065	-6.045721325	-9.244530456	0.3584887	0.4211899	0.498556	0.3449638	-1.861462
5503000000	0.20943951	-2.303834613	-10.53064411	-6.590165019	-4.69177208	-9.921150436	0.2974869	0.4682651	0.5826549	0.3191115	-1.579188
5503000000	0.20943951	-2.251474735	-12.27716787	-5.892630827	-3.777147078	-9.301713099	0.2432997	0.507421	0.6473552	0.3427002	-1.205741
5503000000	0.20943951	-2.199114858	-12.18843437	-5.88267069	-3.598413739	-7.297162439	0.245798	0.5080032	0.6608141	0.4316601	-0.69467
5503000000	0.20943951	-2.14675498	-10.43672802	-6.377356329	-4.052597723	-5.39386292	0.3007209	0.4798795	0.6271481	0.5374114	-0.24194
5503000000	0.20943951	-2.094395102	-8.957074808	-6.673719235	-4.172468177	-6.172468177	0.3565712	0.4637822	0.5973949	0.6185525	-0.1562388
5503000000	0.20943951	-2.042035225	-8.234451165	-6.226709105	-4.096432693	-3.649445277	0.3875051	0.4882751	0.6239907	0.6569431	-0.6552509
5503000000	0.20943951	-1.989675347	-8.04094588	-5.47587634	-3.300725693	-3.799271098	0.3962349	0.5323609	0.6838545	0.6457084	-1.0544895
5503000000	0.20943951	-1.93731547	-7.903222171	-4.972006219	-2.873845099	-4.733894708	0.4025677	0.5641566	0.7179308	0.5798361	-1.0788128
5503000000	0.20943951	-1.884955592	-7.237328318	-4.728174724	-2.897861983	-6.786470952	0.4346439	0.5802181	0.7163197	0.5478007	-0.7842455
5503000000	0.20943951	-1.832595715	-5.876557044	-4.458726195	-2.74835512	-10.51287728	0.5083609	0.5984994	0.7287565	0.2908062	-0.5621197
5503000000	0.20943951	-1.780235837	-4.331929308	-4.003590914	-1.955355518	-14.21983186	0.6073004	0.6306965	0.7984215	0.1945398	-0.9492287
5503000000	0.20943951	-1.72787596	-3.093360451	-3.502095838	-0.903147442	-10.5644978	0.7003772	0.6681827	0.9012445	0.2963297	-2.1649867
5503000000	0.20943951	-1.675516082	-2.230864505	-3.155354152	-0.124291535	-6.543357219	0.7734937	0.6953962	0.9857923	0.4079593	-3.3033533
5503000000	0.20943951	-1.623156204	-1.519461761	-3.003569494	0.221294493	-3.916972759	0.839512	0.7076549	1.0258048	0.6370175	-1.0497415
5503000000	0.20943951	-1.570796327	-0.749140163	-2.925143408	0.241889094	-2.062349838	0.9173667	0.7140734	1.0282399	0.7886467	-4.7315683
5503000000	0.20943951	-1.518436449	0.026039112	-2.765840105	0.135335459	-0.659439832	1.0030024	0.7272906	1.0157031	0.6298896	-5.2795483
5503000000	0.20943951	-1.466076572	0.19940931	-2.484308394	-0.002011694	0.336994928	1.0739821	0.7512502	0.9997581	1.0395604	-5.7213805
5503000000	0.20943951	-1.413716694	0.991145128	-2.174290295	-0.221419017	0.843426096	1.1208752	0.7785482	0.9748304	1.019739	-5.988248
5503000000	0.20943951	-1.361356817	1.317749073	-1.949135572	-0.546909985	0.793046753	1.1638244	0.7989935	0.938976	1.0956008	-6.0149406
5503000000	0.20943951	-1.308996939	1.834761604	-1.82923116	-0.847440609	0.261028823	1.2352023	0.8100996	0.9070432	1.0305082	-5.982363
5503000000	0.20943951	-1.256637061	2.559706187	-1.733414084	-0.9390107	-0.448309561	1.3427195	0.8109056	0.897531	0.9496958	-6.0401905
5503000000	0.20943951	-1.204277184	3.266529582	-1.579861281	-0.830555344	-0.944353519	1.4565536	0.8336694	0.9088082	0.8969791	-6.2266742
5503000000	0.20943951	-1.151917306	3.737640889	-1.404643955	-0.723324881	-1.197379179	1.5377369	0.8566831	0.9200973	0.8712264	-6.4023932
5503000000	0.20943951	-1.099557429	3.928382355	-1.365823534	-0.718090018	-1.524966084	1.571879	0.8546396	0.920652	0.8389802	-6.4153945
5503000000	0.20943951	-1.047197551	3.94653949	-1.632743125	-0.670117874	-2.01557681	1.5751683	0.8286432	0.9257508	0.792905	-6.2825256
5503000000	0.20943951	-0.994837674	3.922247513	-2.247052346	-0.34673999	-2.32320285	1.5707692	0.7720355	0.9608664	0.7653144	-6.1691162
5503000000	0.20943951	-0.942477796	3.871622369	-3.001175167	0.280813004	-2.248126237	1.5616407	0.70785	1.0328581	0.771958	-6.1804747
5503000000	0.20943951	-0.890117919	3.6912729	-3.48920889	0.97575838	-2.156079377	1.5295499	0.6691748	1.1191258	0.7801822	-6.2309084
5503000000	0.20943951	-0.837758041	3.280033342	-3.513494948	1.493802293	-2.170676593	1.4588199	0.6673063	1.1876545	0.7788721	-6.2194882
5503000000	0.20943951	-0.785398163	2.670017969	-3.228750299	1.754896072	-1.6289294	1.359881	0.6895448	1.2238968	0.8289981	-6.2399922
5503000000	0.20943951	-0.733038286	2.077914675	-2.719790091	1.848279996	-1.631567076	1.2702691	0.7311568	1.2371262	0.9647552	-6.4512229
5503000000	0.20943951	-0.680678408	1.755142219	-1.970107809	1.902392092	0.842674811	1.2239315	0.7970655	1.2448574	1.1018786	-6.7845327
5503000000	0.20943951	-0.628318531	1.710695831	-1.172247288	1.962824688	1.14244627	1.2176845	0.8737509	1.2535488	1.140571	-7.0157241
5503000000	0.20943951	-0.575958653	1.753309023	-0.620448896	1.982913968	0.598389018	1.2236732	0.9310598	1.2564514	1.1071306	-7.0098157
5503000000	0.20943951	-0.523598776	1.774797886	-0.385262404	1.932029033	-0.055551092	1.2267043	0.9566143	1.2491122	0.9936249	-6.8997376
5503000000	0.20943951	-0.471238898	1.809046612	-0.232019516	1.858641955	0.187181699	1.2315508	0.9736414	1.2386029	1.021784	-6.9769558
5503000000	0.20943951	-0.41887902	1.874128902	0.102490516	1.811708882	1.078187358	1.2408133	1.0118695	1.2319283	1.1321641	-7.2661748
5503000000	0.20943951	-0.366519143	1.884923219	0.522381083	1.737977774	1.760694774	1.2423563	1.0169866	1.2215152	1.2247142	-7.5143188
5503000000	0.20943951	-0.314159265	1.762328963	0.72178104	1.537808169	1.967724968	1.2249446	1.08			

5503000000	0.20943951	2.408554368	-5.883260137	-7.032943212	-7.775876503	-3.866851611	0.5079687	0.4449927	0.4085133	0.640704	0.0094566
5503000000	0.20943951	2.460914245	-7.48888505	-6.585187515	-7.659046686	-4.455614952	0.4222365	0.4685335	0.4140451	0.5987138	-0.429411
5503000000	0.20943951	2.513274123	-10.91840962	-7.28075826	-7.638729453	-6.026059624	0.2844982	0.4324762	0.4150147	0.4996858	-1.767927
5503000000	0.20943951	2.565634	-14.39477119	-9.58011273	-8.017588824	-7.748280443	0.1906608	0.3318902	0.3973018	0.4098132	-3.545749
5503000000	0.20943951	2.617939878	-14.04715179	-14.14898958	-8.826299927	-8.277192296	0.198446	0.1961329	0.3619804	0.385603	-8.866043
5503000000	0.20943951	2.670353756	-13.38841305	-16.42217341	-9.420521167	-7.897998702	0.2140816	0.1509702	0.3380446	0.4028098	-5.146234
5503000000	0.20943951	2.722713633	-13.4058079	-11.637996631	-9.258706361	-7.431202452	0.2136533	0.2618787	0.3444012	0.4250499	-4.117331
5503000000	0.20943951	2.775073511	-12.28257358	-9.077140257	-9.055927838	-6.97204578	0.2431483	0.3516762	0.3525361	0.4481235	-3.126102
5503000000	0.20943951	2.827433388	-10.47366864	-8.976824439	-9.392420836	-6.726808088	0.2994447	0.3557614	0.33914	0.4095651	-2.761537
5503000000	0.20943951	2.879793266	-9.489038631	-11.29095666	-8.846578761	-7.071113987	0.3353884	0.2725538	0.321863	0.4430414	-3.26816
5503000000	0.20943951	2.932153143	-9.755631969	-16.62957951	-9.267576888	-8.257482459	0.3252508	0.147408	0.3069839	0.386479	-4.685723
5503000000	0.20943951	2.984513021	-11.27561553	-22.89327391	-11.54536082	-10.51674059	0.2730356	0.0716698	0.2646866	0.2979634	-6.865051
5503000000	0.20943951	3.036872899	-14.02263789	-23.17367893	-14.34394353	-14.19522703	0.1990069	0.0693931	0.1917798	0.1950916	-6.692176
5503000000	0.20943951	3.089232776	-18.10508113	-31.53099063	-17.3827053	-19.10919981	0.1243787	0.0265125	0.1351652	0.1108001	-14.04793
5503000000	0.20943951	3.141592654	-24.03857037	-21.42039329	-18.06654243	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.261799388	-3.141592654	-24.03857027	-21.42039364	-18.06654237	-21.99383825	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.261799388	-3.089232776	-27.66684487	-16.16655798	-17.55106674	-23.75058406	0.0413674	0.1554791	0.1325704	0.0649338	-14.10295
5503000000	0.261799388	-3.036872899	-21.74695379	-16.18581501	-17.1249709	-29.42505339	0.081781	0.1551348	0.139236	0.0337868	-13.76622
5503000000	0.261799388	-2.984513021	-18.58257273	-18.58257273	-17.09051761	-39.3033256	0.1185124	0.1177257	0.1397894	0.0108351	-14.26947
5503000000	0.261799388	-2.932153143	-17.22599673	-14.43263001	-17.56674579	-24.00434672	0.1376259	0.0898315	0.1323313	0.0630642	-11.65301
5503000000	0.261799388	-2.879793266	-16.78267469	-10.76272508	-17.7624191	-16.17140095	0.1448326	0.2896345	0.1293835	0.1553971	-8.882921
5503000000	0.261799388	-2.827433388	-16.64736122	-10.07274601	-16.98819636	-11.65518883	0.1471065	0.3135904	0.1414458	0.2613609	-7.295317
5503000000	0.261799388	-2.775073511	-16.20706572	-11.55961312	-15.68163361	-9.605034262	0.1547557	0.2642526	0.1644062	0.3039393	-6.798314
5503000000	0.261799388	-2.722713633	-13.88280282	-12.34649794	-14.08294271	-9.771276731	0.2022366	0.2413654	0.1973604	0.3246655	-6.312974
5503000000	0.261799388	-2.670353756	-10.62684624	-10.25875539	-11.87872938	-12.51231264	0.2942102	0.3081103	0.2547203	0.3268015	-5.241506
5503000000	0.261799388	-2.617993878	-8.251849361	-8.485224329	-9.69239131	-20.17112349	0.3867297	0.3764773	0.3300183	0.0980491	-4.500363
5503000000	0.261799388	-2.565634	-7.104144336	-8.005808295	-8.14075461	-20.46422132	0.4413598	0.397841	0.3917078	0.0497958	-3.571666
5503000000	0.261799388	-2.513274123	-7.000110991	-8.301059952	-7.539474147	-12.36545811	0.4466779	0.3854549	0.4197844	0.2408392	-2.546118
5503000000	0.261799388	-2.460914245	-7.613784898	-8.78093339	-7.659827665	-8.939614021	0.4162083	0.3639111	0.4280639	0.3572887	-2.127693
5503000000	0.261799388	-2.408554368	-8.575843961	-8.925121222	-6.894506785	-7.641507216	0.3725699	0.3578854	0.4521418	0.414882	-1.951896
5503000000	0.261799388	-2.35619449	-9.665264623	-8.305541822	-6.816086978	-8.039449878	0.3286524	0.3843465	0.5119124	0.3965544	-1.822445
5503000000	0.261799388	-2.303834613	-10.86877918	-7.1287663	-4.583169681	-10.07329553	0.2861284	0.4401105	0.5899857	0.3135705	-1.777399
5503000000	0.261799388	-2.251474735	-11.8267434	-6.141413765	-3.572709281	-12.5182519	0.2562494	0.4930935	0.6488429	0.2366396	-1.751172
5503000000	0.261799388	-2.199114858	-11.403612777	-5.785235166	-3.652498988	-10.98832282	0.2690416	0.5137339	0.6579418	0.2822174	-1.295223
5503000000	0.261799388	-2.14675498	-9.631659481	-5.969844254	-4.14535367	-7.800224729	0.3299264	0.5020930	0.6204878	0.4073697	-0.627007
5503000000	0.261799388	-2.094395102	-7.90023031	-6.162107036	-4.618491382	-5.624425269	0.4027064	0.4919202	0.5875914	0.5233337	0.0240773
5503000000	0.261799388	-2.042035225	-6.892390155	-5.891766145	-4.236844027	-4.441404717	0.4522239	0.5074715	0.6139851	0.5996941	0.7220917
5503000000	0.261799388	-1.989675347	-6.725628249	-5.361885714	-3.35613516	-6.064695423	0.4610187	0.5399395	0.6795059	0.6262752	1.2373146
5503000000	0.261799388	-1.93731547	-7.310737347	-4.957367418	-2.755045634	-4.475456406	0.430986	0.5651082	0.728195	0.5974096	1.2955177
5503000000	0.261799388	-1.884955592	-8.110066697	-4.6729815	-2.482004195	-4.752208435	0.3930942	0.5839167	0.7514495	0.515691	1.0004435
5503000000	0.261799388	-1.832595715	-7.808488962	-4.25552163	-2.016552314	-7.802570246	0.4069823	0.6126662	0.792816	0.4072597	0.9058035
5503000000	0.261799388	-1.780235837	-6.17085825	-3.620684219	-1.0747567	-9.444519174	0.4914248	0.6199222	0.8863131	0.3371119	1.4790268
5503000000	0.261799388	-1.72787596	-4.48332221	-2.974743553	-0.029246748	-8.733175653	0.596807	0.7100073	0.9966385	0.3568821	2.5074615
5503000000	0.261799388	-1.675516082	-3.272674609	-2.539326899	0.711686196	-6.815768795	0.6860666	0.7465066	1.0853862	0.4562591	3.4468577
5503000000	0.261799388	-1.623156204	-2.309229811	-2.355833922	0.124854014	-5.093296896	0.7665465	0.7624446	1.1275679	0.5563334	4.1173238
5503000000	0.261799388	-1.57096327	-1.272428464	-2.300830197	1.060838396	-3.633129263	0.8637311	0.7672881	1.129905	0.6581783	4.6576426
5503000000	0.261799388	-1.518436449	-0.19270258	-2.205925277	0.924536921	-2.313120399	0.9780586	0.7757178	1.1123126	0.7662032	5.1830155
5503000000	0.261799388	-1.466076572	0.666083677	-2.00172196	0.720910428	-1.220099807	1.0797027	0.7941708	1.0865395	0.8689504	5.6419318
5503000000	0.261799388	-1.4137116694	1.168543852	-1.76230482	0.432112447	-0.544593645	1.1440031	0.8163367	1.051007	0.9392265	5.9126663
5503000000	0.261799388	-1.361356817	1.431642366	-1.603861735	0.061420403	-0.374214082	1.1791855	0.8313941	1.0070968	0.9578319	5.9672531
5503000000	0.261799388	-1.308996939	1.735937475	-1.560950415	-0.273499584	-0.552487496	1.2212283	0.8355116	0.9690028	0.9383733	5.9423271
5503000000	0.261799388	-1.256637061	2.260705835	-1.561388357	-0.430211138	-0.681733181	1.2972847	0.8354695	0.9516767	0.9245137	6.0400011
5503000000	0.261799388	-1.204277184	2.8798962	-1.519930612	-0.421789368	-0.511473328	1.3931402	0.8394667	0.9525999	0.9428147	6.2942389
5503000000	0.261799388	-1.151971306	3.340191389	-1.460751793	-0.412936777	-0.320049388	1.4689586	0.8452057	0.9535713	0.9683235	6.5094084
5503000000	0.261799388	-1.099557429	3.529742489	-1.528374248	-0.490810944	-0.541891662	1.5013679	0.8306551	0.9450602	0.9395187	6.4951074
5503000000	0.261799388	-1.047197551	3.533773309	-1.877528221	-0.513794359	-1.280586912	1.5020648	0.8085607	0.9425628	0.8629202	6.2629026
5503000000	0.261799388	-0.994837674	3.518115772	-2.523516913	-0.237287144	-2.13798088	1.4993595	0.7412066	0.9730511	0.7818095	6.0251301
5503000000	0.261799388	-0.942477796	3.544749703	-3.207853946	-0.378456964	-2.51060062	1.5039642	0.6928557	1.0445346	0.7489796	5.9959928
5503000000	0.261799388	-0.89017919	3.503029904	-3.500684356	1.093502047	-2.374284658	1.4965757	0.6682913	1.134162	0.7608267	6.1500014
5503000000	0.261799388	-0.837758041	3.237619252	-3.298036912	1.63557871	-1.901658601	1.4517137	0.6840662	1.2076133	0.8033727	6.3335905
5503000000	0.261799388	-0.785398163	2.716382228	-2.862894126	1.902350066	-0.838359079	1.3671593	0.7192093	1.2448514	0.9079921	6.5251028
5503000000	0.261799388	-0.733038286	2.110689092	-2.305956802	1.936161651	0.58802641	1.2750713	0.7668354	1.2497067	1.0700432	6.7724294
5503000000	0.261799388	-0.680678408	1.702622723	-1.585134581	1.868043802	1.570688964	1.2165533	0.8331885	1.2399443	1.1982142	7.0202641
5503000000	0.261799388	-0.628318531	1.605109245	-0.841174849	1.790858921	1.609831644	1.2029718	0.9076977	1.2289747	1.2036261	7.1267717
5503000000	0.261799388	-0.575958653	1.676013889	-0.338990692	1.781963639	0.75055057	1.2128321	0.961733	1.2187365	1.0902536	7.0118506
5503000000	0.261799388	-0.523598776	1.773625662	-0.160513214	1.654172223	-0.155391309	1.2265388	0.9816899	1.2097862	0.982269	6.849014
5503000000	0.261799388	-0.471238898	1.885077082	-0.095255417	1.645188999	0.15094421	1.2423783	0.9890932	1.2085356	1.01753	6.9612994
5503000000	0.261799388	-0.41887902	2.000187568	0.136446268	1.						

5503000000	0.261799388	2.303834613	-6.49691076	-12.30213172	-8.904887423	-6.283077481	0.4733196	0.2426015	0.35872	0.4851166	-2.159457
5503000000	0.261799388	2.35619449	-6.43317613	-11.04918044	-7.751921274	-5.295942097	0.4768054	0.280247	0.4096415	0.5435042	-1.359671
5503000000	0.261799388	2.408554368	-6.132164805	-8.340336599	-7.443078947	-6.18414541	0.4936189	0.3828099	0.4244691	0.5875966	-0.498286
5503000000	0.261799388	2.460914245	-6.877455064	-6.99306271	-7.50488991	-4.919008681	0.4530303	0.4470405	0.4214592	0.5676094	-0.49532
5503000000	0.261799388	2.513274123	-9.127478595	-7.32597682	-7.741416838	-6.215410964	0.349644	0.4032305	0.4101372	0.4889106	-1.519988
5503000000	0.261799388	2.565634	-12.19832225	-16.45193968	-8.279018267	-7.784257094	0.2455183	0.3305752	0.3855219	0.4081193	-3.28787
5503000000	0.261799388	2.617993878	-13.80617755	-9.47131855	-9.06088382	-8.478313516	0.2040286	0.1889879	0.352335	0.3767769	-5.019748
5503000000	0.261799388	2.670353756	-14.10955542	-15.95989417	-9.526533852	-8.29039114	0.1907254	0.1592228	0.3339437	0.3850175	-5.390739
5503000000	0.261799388	2.722713633	-14.16778355	-11.11227379	-9.365743655	-7.724830578	0.195709	0.2782187	0.3401832	0.4109211	-2.57651
5503000000	0.261799388	2.775073511	-12.68412283	-8.853757705	-9.243427281	-7.005091224	0.2321635	0.3608379	0.3450076	0.4464218	-3.195175
5503000000	0.261799388	2.827433388	-10.6324622	-9.000687107	-9.556975487	-6.613669343	0.29402	0.3547853	0.3327754	0.4669996	-2.801748
5503000000	0.261799388	2.879793266	-9.579926748	-11.48172453	-8.98629938	-6.977589532	0.3318973	0.2666329	0.3200258	0.4478376	-3.309804
5503000000	0.261799388	2.932153143	-9.824572578	-16.78535299	-10.32242741	-8.251630258	0.3226795	0.1447879	0.3047043	0.3867395	-4.739597
5503000000	0.261799388	2.984513021	-11.27716542	-22.44011447	-11.79922293	-10.57032373	0.2729869	0.0755082	0.2570626	0.29631	-6.919468
5503000000	0.261799388	3.036872899	-13.88143401	-23.21409043	-14.84290003	-14.24881358	0.2022685	0.069071	0.1810735	0.1938917	-9.811853
5503000000	0.261799388	3.089232776	-17.85192473	-32.359656	-17.80620617	-19.09774319	0.1280571	0.0241	0.1287329	0.1109463	-14.1585
5503000000	0.261799388	3.141592654	-24.03857027	-21.42039364	-18.06654237	-21.9938325	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.314159265	-3.141592654	-24.03857045	-21.42039316	-18.06654242	-21.99383228	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.314159265	-3.089232776	-27.49610847	-16.18903788	-17.33131812	-24.25260745	0.0421885	0.1550773	0.1359672	0.061478	-14.09502
5503000000	0.314159265	-3.036872899	-21.39354162	-16.05918639	-16.80543831	-30.76651053	0.0851771	0.157413	0.1444535	0.0289517	-13.63883
5503000000	0.314159265	-2.984513021	-18.52577752	-18.35778985	-16.66710171	-34.50036371	0.118498	0.1208121	0.1467726	0.1188357	-13.87325
5503000000	0.314159265	-2.932153143	-17.75458124	-14.65122264	-16.9641469	-27.78333887	0.1295003	0.1851138	0.141838	0.0408162	-12.08878
5503000000	0.314159265	-2.879793266	-17.78275641	-10.84876419	-17.29501392	-18.5882449	0.129081	0.2687885	0.1365367	0.1176489	-9.49839
5503000000	0.314159265	-2.827433388	-17.61757028	-9.83181477	-16.93755995	-13.06005201	0.1315593	0.3224106	0.1422778	0.2232297	-7.759459
5503000000	0.314159265	-2.775073511	-17.1173366	-10.86349991	-15.51429508	-10.40441477	0.1393584	0.2863024	0.1676044	0.3018417	-6.983101
5503000000	0.314159265	-2.722713633	-15.17900336	-11.90690398	-13.58393813	-10.00837202	0.1742007	0.2538954	0.2093174	0.3159231	-6.435675
5503000000	0.314159265	-2.670353756	-11.90552966	-10.67265453	-11.44313291	-11.8874947	0.2539356	0.0926071	0.2678202	0.2544634	-5.442007
5503000000	0.314159265	-2.617993878	-9.248909687	-9.091744652	-9.419199574	-17.31873784	0.3447899	0.3510854	0.338096	0.1361643	-4.655877
5503000000	0.314159265	-2.565634	-7.865088207	-8.369407736	-8.003326349	-22.99857239	0.404339	0.3815308	0.3979547	0.0708066	-4.050279
5503000000	0.314159265	-2.513274123	-7.691339653	-8.300039776	-7.286240047	-13.2502403	0.4125086	0.38459	0.4322032	0.2175144	-2.812332
5503000000	0.314159265	-2.460914245	-8.467421999	-8.596103992	-6.891707582	-8.903347761	0.3772497	0.3717019	0.4522875	0.3587836	-2.157981
5503000000	0.314159265	-2.408554368	-9.670435907	-8.994279521	-6.276657461	-7.177103271	0.3284568	0.3550471	0.4854753	0.437668	-1.902189
5503000000	0.314159265	-2.35619449	-10.49212574	-8.865329859	-5.257481837	-7.395946032	0.298809	0.3603575	0.5459161	0.4267787	-1.766935
5503000000	0.314159265	-2.303834613	-10.59301502	-7.834448054	-4.158075547	-9.472326521	0.2953583	0.4057678	0.6195783	0.6360343	-1.635519
5503000000	0.314159265	-2.251474735	-10.36734668	-6.610247362	-3.429775105	-12.16198133	0.3031326	0.4071836	0.6737693	0.3281776	-1.502721
5503000000	0.314159265	-2.199114858	-9.891846553	-5.883476582	-3.363980682	-11.51037695	0.3201899	0.5069561	0.6788924	0.2657548	-1.047438
5503000000	0.314159265	-2.14675498	-8.841545452	-5.706575965	-3.905289359	-8.341150503	0.3613456	0.5184074	0.6378749	0.382774	-0.443691
5503000000	0.314159265	-2.094395102	-7.360882885	-5.704927176	-4.377996455	-25.4021518	0.428505	0.1855058	0.604088	0.4867421	-0.1628054
5503000000	0.314159265	-2.042035225	-6.029952939	-5.517834077	-3.948077121	-5.371179604	0.4994619	0.5297955	0.6347404	0.5488972	-0.8786164
5503000000	0.314159265	-1.989675347	-5.285853252	-5.203100609	-3.005826052	-4.943922253	0.5441358	0.5493447	0.7074711	0.5659837	-1.4631279
5503000000	0.314159265	-1.93731547	-5.337287517	-4.973097648	-2.342381562	-5.371146153	0.5409232	0.5640857	0.7636264	0.5388817	-1.6105603
5503000000	0.314159265	-1.884955592	-6.141383799	-4.771431568	-2.021036544	-6.478471472	0.4930952	0.5773357	0.7924068	0.4743254	-1.3531807
5503000000	0.314159265	-1.832595715	-7.084781618	-4.340664382	-1.577574072	-8.001087335	0.4423448	0.6069899	0.8339141	0.3980573	-1.1419291
5503000000	0.314159265	-1.780235837	-7.027923955	-3.621562732	-0.728486377	-8.977249558	0.4452499	0.6590553	0.9195507	0.3557439	-1.5094787
5503000000	0.314159265	-1.72787596	-5.992879592	-2.871110833	-0.224625451	-8.636407524	0.5015983	0.7185293	1.0261983	0.3699812	-2.333174
5503000000	0.314159265	-1.675516082	-4.885736805	-2.349985062	0.898146567	-7.774414737	0.5697878	0.7629582	1.1089382	0.408582	-3.0771086
5503000000	0.314159265	-1.623156204	-3.861112513	-2.117155529	1.17846593	-7.049560749	0.6411275	0.7836862	1.1453106	0.4441421	-3.5630329
5503000000	0.314159265	-1.570796327	-2.631296105	-2.054034201	1.158220787	-6.99797734	0.738644	0.7894021	1.1426443	0.4888213	-3.9717994
5503000000	0.314159265	-1.518436449	-1.229677366	-1.98498845	1.001308027	-4.923678086	0.8679928	0.7957022	1.1221874	0.5673043	-4.4885551
5503000000	0.314159265	-1.466076572	-0.02044898	-1.822184663	0.803210753	-3.43043165	0.997649	0.8107571	1.0968836	0.5673184	-5.0546536
5503000000	0.314159265	-1.413716694	0.752657698	-1.625098142	-0.546103405	-2.230863596	1.0905181	0.8293638	1.064891	0.7734938	-5.4791521
5503000000	0.314159265	-1.361356817	1.121138079	-1.509719571	0.22242051	-1.495116834	1.1377764	0.8404541	1.0259167	0.8418683	-5.6796207
5503000000	0.314159265	-1.308996399	1.33007009	-1.514909626	-0.065496688	-1.019670057	1.1654765	0.8399521	0.9924878	0.8892349	-5.7720288
5503000000	0.314159265	-1.256637061	1.65285365	-1.565247995	-0.186274098	-0.47753273	1.2096025	0.8350983	0.7855574	0.946506	-5.9546943
5503000000	0.314159265	-1.204277184	2.12623446	-1.569980677	-0.159434853	0.139829661	1.2773553	0.8346434	0.9818118	1.0162288	-6.2563196
5503000000	0.314159265	-1.151971306	2.551953005	-1.557689363	-0.14162339	0.465581865	1.3415215	0.8358253	0.9838272	1.0506467	-6.4779041
5503000000	0.314159265	-1.099557429	2.772221423	-1.679027683	-0.251951441	0.146535772	1.3759767	0.8242304	0.9714097	1.0170137	-6.4208409
5503000000	0.314159265	-1.047197551	2.824453584	-1.077867813	-0.387815201	-0.8910877	1.384276	0.787239	0.9563332	0.9024967	-6.0862443
5503000000	0.314159265	-0.994837674	2.8745958	-2.730755516	-0.272088869	-2.207895978	1.3922903	0.7302343	0.9691602	0.7755418	-5.7272933
5503000000	0.314159265	-0.942477796	3.017088362	-3.317435715	0.236726021	-2.808784051	1.4153193	0.6825402	1.0276289	0.7237037	-5.6867914
5503000000	0.314159265	-0.890117919	3.149071112	-3.406425195	0.945259292	-2.34473865	1.4369894	0.675583	1.1149694	0.7634192	-6.0009498
5503000000	0.314159265	-0.837758041	3.085090443	-3.014791462	1.54727931	-1.348501497	1.4264433	0.7067412	1.1949892	0.8561994	-6.4120085
5503000000	0.314159265	-0.785398163	2.747297707	-2.492103816	1.817126672	-0.040886241	1.372034	0.7505762	1.2403845	0.9953039	-6.7657398
5503000000	0.314159265	-0.733038286	2.251934793	-1.947056765	1.971740603	1.28749697	1.2959753	0.7991847	1.2470591	1.159778	-7.0475043
5503000000	0.314159265	-0.680678408	1.845618026	-1.294705424	1.973283691	2.071726804	1.2367471	0.8615187	1.2291905	1.2693465	-7.2285515
5503000000	0.314159265	-0.628318531	1.682876952	-0.616587637	1.607741045	1.920898451	1.2137908	0.9314737	1.2033364	1.2475125	-7.227215
5503000000	0.314159265	-0.575958653	1.701627451	-0.151822421	1.433399984	0.876529995	1.2164139	0.9826727	1.1794241	1.1061818	-7.1040534
5503000000	0.314159265	-0.523598776	1.797566695	-0.000750524	1.331759909</						

5503000000	0.314159265	2.199114858	-6.76146665	-6.44483874	-15.64441468	-5.518680039	0.4591205	0.4761657	0.1651122	0.5297439	-1.77609
5503000000	0.314159265	2.251474735	-6.670126175	-8.684807143	-12.33300274	-6.553192385	0.4639741	0.3679253	0.2417407	0.4702625	-2.248202
5503000000	0.314159265	2.303834613	-7.31268251	-12.04167328	-9.413084229	-6.995022223	0.4308895	0.2499864	0.3383341	0.4469397	-2.697034
5503000000	0.314159265	2.35619449	-7.558685789	-12.25961565	-7.850726276	-6.215243338	0.4188569	0.2437919	0.4050064	0.48892	-2.177198
5503000000	0.314159265	2.408554368	-7.117039341	-9.169631504	-7.366141878	-5.307736334	0.4407051	0.3479513	0.4282456	0.5427667	-1.111982
5503000000	0.314159265	2.460914245	-7.212214157	-7.376278214	-7.949812383	-5.2877119	0.4359024	0.4277461	0.4219484	0.5440194	-0.773399
5503000000	0.314159265	2.513274123	-8.528563668	-7.483918181	-7.964930453	-6.281113656	0.3746035	0.4224278	0.3997178	0.4852263	-1.503948
5503000000	0.314159265	2.565634	-10.7953516	-9.761259093	-8.731948923	-7.703443636	0.2885575	0.3250402	0.3659338	0.4119342	-3.15115
5503000000	0.314159265	2.617993878	-12.87082677	-14.87126208	-9.615121056	-8.581006122	0.2272263	0.1804832	0.3050552	0.3723486	-5.109342
5503000000	0.314159265	2.670353756	-14.13046251	-15.74514421	-10.05560371	-8.592576845	0.1965517	0.1632085	0.3142099	0.3718529	-5.631436
5503000000	0.314159265	2.722713633	-14.5198603	-10.85208586	-9.849326432	-7.927099178	0.1879347	0.2866789	0.3217612	0.4014626	-4.452643
5503000000	0.314159265	2.775073511	-12.93192167	-8.836794541	-9.650884286	-6.994899331	0.2256337	0.3615433	0.3291969	0.446946	-3.328645
5503000000	0.314159265	2.827493388	-10.79059441	-9.271589851	-7.969148252	-6.516091033	0.2887156	0.3458761	0.3247451	0.4722755	-2.904091
5503000000	0.314159265	2.879793266	-9.724093269	-11.88433824	-9.904217417	-6.918626136	0.326434	0.2545559	0.3197342	0.450888	-3.403559
5503000000	0.314159265	2.932153143	-9.955033732	-17.11339372	-10.35366949	-8.272416919	0.3178691	0.1394217	0.3036103	0.385815	-4.831481
5503000000	0.314159265	2.984513021	-11.32241815	-21.95050799	-12.05390402	-10.63838855	0.2715683	0.0798867	0.2496346	0.2938195	-6.985021
5503000000	0.314159265	3.036872899	-13.75903787	-23.19560484	-15.38698287	-14.30969826	0.2051389	0.0692181	0.1700791	0.1925374	-9.938172
5503000000	0.314159265	3.089232776	-17.6099071	-33.32522915	-18.25759246	-19.0883922	0.1316754	0.0215645	0.1222138	0.1110658	-14.27717
5503000000	0.314159265	3.141592654	-24.03857045	-21.42039316	-18.06654242	-21.99383228	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.366519143	-3.141592654	-24.03857021	-21.42039329	-18.06654248	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.366519143	-3.089232776	-27.27212126	-16.21639469	-17.11851626	-24.71292296	0.0432906	0.1545896	0.1393395	0.0581238	-14.08111
5503000000	0.366519143	-3.036872899	-21.1002162	-15.91371195	-16.50648671	-31.66936298	0.0881027	0.1600716	0.1495119	0.0260935	-13.4778
5503000000	0.366519143	-2.984513021	-18.59572356	-18.06638691	-16.29038951	-29.37066187	0.1175476	0.124934	0.1532782	0.0339991	-13.3561
5503000000	0.366519143	-2.932153143	-18.42805021	-14.91539497	-16.49886433	-29.60183067	0.1198388	0.1795685	0.1496431	0.0331061	-12.35684
5503000000	0.366519143	-2.879793266	-18.99765272	-11.00995295	-17.07287188	-21.94819516	0.1122322	0.2815155	0.1400736	0.0709908	-12.6106
5503000000	0.366519143	-2.827493388	-18.30070385	-9.659538466	-17.19361304	-14.90795827	0.1216087	0.3288891	0.13814	0.1797223	-8.309529
5503000000	0.366519143	-2.775073511	-17.24340858	-10.21439042	-15.57803176	-11.4700627	0.1373503	0.3080518	0.166379	0.2669911	-7.138467
5503000000	0.366519143	-2.722713633	-16.23999961	-11.21779056	-13.29162916	-10.39165072	0.1541701	0.2748593	0.2164804	0.3022856	-6.486308
5503000000	0.366519143	-2.670353756	-13.84563648	-10.82099495	-11.16649191	-11.33298473	0.2031309	0.2877069	0.2764874	0.1721381	-5.692166
5503000000	0.366519143	-2.617993878	-11.09087789	-9.651011649	-9.254036713	-14.91875228	0.2789049	0.3291921	0.3445864	0.1794991	-4.942271
5503000000	0.366519143	-2.565634	-9.399906334	-8.797314685	-7.792096059	-22.42064723	0.3388478	0.3631903	0.4077512	0.0756777	-4.542811
5503000000	0.366519143	-2.513274123	-8.993703549	-8.355649089	-6.885632627	-14.97711281	0.3550707	0.3821356	0.452604	0.1782971	-3.298196
5503000000	0.366519143	-2.460914245	-9.6025703	-8.335319329	-6.286543066	-9.655347813	0.3310331	0.3830311	0.4849231	0.3290278	-2.338047
5503000000	0.366519143	-2.408554368	-10.44448324	-8.747541879	-5.610606329	-7.49253959	0.3004525	0.3852775	0.524167	0.4220589	-1.873537
5503000000	0.366519143	-2.35619449	-10.37752503	-9.089766666	-4.687926294	-7.321535124	0.3027776	0.3511654	0.5822422	0.4304505	-1.583786
5503000000	0.366519143	-2.303834613	-9.479536335	-8.499624968	-3.7458007515	-8.355807515	0.3357555	0.3785836	0.6497328	0.3821287	-1.192307
5503000000	0.366519143	-2.251474735	-8.701817993	-7.233644931	-3.113641	-8.762239462	0.3672054	0.4348283	0.6987438	0.3646599	-0.604896
5503000000	0.366519143	-2.199114858	-8.353835802	-6.198493681	-3.084833615	-7.278692846	0.3822154	0.4989638	0.7010651	0.3435789	-0.0248199
5503000000	0.366519143	-2.14675498	-8.103964602	-5.67324537	-3.621231907	-5.58832104	0.3933705	0.5204005	0.659073	0.5255136	-0.4169903
5503000000	0.366519143	-2.094395102	-7.399474739	-5.438674479	-3.4266036896	-4.678597385	0.4266053	0.5346459	0.6259212	0.5835393	-0.7114433
5503000000	0.366519143	-2.042035225	-6.192841152	-5.234947689	-3.641471926	-4.555763823	0.4901827	0.5473342	0.6575464	0.5918502	-1.1664399
5503000000	0.366519143	-1.989675347	-5.068786375	-5.056158087	-2.75582373	-5.066006536	0.5579055	0.5587173	0.7281274	0.5580841	-1.5938768
5503000000	0.366519143	-1.93731547	-4.544854521	-5.001211055	-2.197704709	-6.137818295	0.592594	0.5622629	0.7764523	0.9342977	-1.6722629
5503000000	0.366519143	-1.884955592	-4.759084313	-4.973869337	-2.035515421	-7.752471016	0.578157	0.5640356	0.791087	0.4096156	-1.3744571
5503000000	0.366519143	-1.832595715	-5.437878948	-4.688768996	-1.78063785	-9.60893026	0.5346949	0.5828564	0.8146445	0.3307908	-1.7030397
5503000000	0.366519143	-1.780235837	-5.936908225	-4.037601308	-1.054523721	-10.66337088	0.504841	0.6282318	0.8856738	0.2929756	-1.2581317
5503000000	0.366519143	-1.72787596	-5.830882419	-3.280358356	-10.29136127	-10.36540039	0.5110412	0.6854599	0.9852426	0.3032005	-1.8857332
5503000000	0.366519143	-1.675516082	-5.374526384	-2.724013649	0.550665108	-9.770774819	0.5386091	0.7308013	1.0654504	0.3244489	-2.4747785
5503000000	0.366519143	-1.623156204	-4.776377045	-2.458854161	0.829733043	-9.372520359	0.5770071	0.753455	1.100238	0.3399179	-2.8309329
5503000000	0.366519143	-1.570796327	-3.813876778	-2.374038066	0.804677725	-8.364191179	0.6446235	0.7608483	1.0970802	0.38176	-3.1802452
5503000000	0.366519143	-1.518436449	-2.410106562	-2.290127704	0.669086791	-6.270997919	0.7576954	0.7682342	1.0800761	0.4857917	-3.7836206
5503000000	0.366519143	-1.466076572	-0.970900925	-2.113530071	0.53928935	-3.984668192	0.8942418	0.7840134	1.064056	0.6320721	-4.5432881
5503000000	0.366519143	-1.413716694	0.101009283	-1.902732904	0.384896558	-2.234263614	1.011697	0.8032733	1.0453093	0.7371911	-5.1858334
5503000000	0.366519143	-1.361356817	-1.776254528	-1.76254528	0.16696386	-1.101918541	1.0849393	0.8510557	1.019377	0.8808543	-5.5755892
5503000000	0.366519143	-1.308996939	1.00192744	-1.767855018	-0.033572781	-0.348415358	1.1222675	0.8158442	0.9961423	0.9066811	-5.7894044
5503000000	0.366519143	-1.256637061	1.234877645	-1.785884751	-0.08824895	-0.288124895	1.1527732	0.8141525	0.9898792	1.0373279	-6.000018
5503000000	0.366519143	-1.204277184	1.550094773	-1.733887991	-5.2292361	0.80331621	1.1953766	0.8190409	0.999994	1.0968969	-6.2590011
5503000000	0.366519143	-1.151917306	1.875521257	-1.66436398	0.067939107	0.919487823	1.2410122	0.825623	1.0078524	1.1116662	-6.4157039
5503000000	0.366519143	-1.099557429	2.078056817	-1.754903627	-0.040788905	0.345132425	1.2702899	0.8170616	0.995315	1.0405348	-6.284091
5503000000	0.366519143	-1.047197551	2.155237952	-2.144110549	-0.980337568	-0.980337568	1.2816277	0.781258	0.9676673	0.8932708	-5.8535901
5503000000	0.366519143	-0.994837674	2.246745682	-2.765266954	-0.385907528	-2.481806907	1.2952013	0.7273386	0.9565433	0.7514666	-5.4148569
5503000000	0.366519143	-0.942477796	2.46271062	-3.243867914	-0.077168631	-2.792444918	1.3278088	0.6883457	0.9917885	0.7250664	-5.4205816
5503000000	0.366519143	-0.890117919	2.722582715	-3.173409582	0.574512333	-1.785058031	1.3681356	0.6939521	1.0683797	0.81423	-5.8996739
5503000000	0.366519143	-0.837704801	2.837074819	-2.675817991	1.22527095	-0.324582924	1.3862889	0.7348676	1.151499	0.9413928	-6.4733901
5503000000	0.366519143	-0.785398163	2.703319751	-2.139974011	1.639468184	0.683780425	1.3651048	0.7816301	1.2077399	1.0819047	-6.919974
5503000000	0.366519143	-0.733038286	2.390157403	-1.6570552	1.726206322	1.752602068	1.3167638	0.8263181	1.2249978	1.2235736	-7.2187818
5503000000	0.366519143	-0.680678408	2.07654411	-1.101200834	1.663732329	2.323927591	1.2700687	0.8809271	1.2111172	1.3067616	-7.3636442
5503000000	0.366519143	-0.628318531	1.885394169	-0.496915774	1						

5503000000	0.366519143	2.094395102	-4.239891103	-3.859961324	-13.4037531	-3.721418893	0.6137697	0.6412124	0.2137038	0.651522	0.5069692
5503000000	0.366519143	2.14675498	-6.06966955	-8.834726647	-14.89909951	-4.196639581	0.4971833	0.643078	0.1799057	0.6168336	-0.278005
5503000000	0.366519143	2.199114858	-7.208974774	-4.423684221	-16.01156656	-4.941630083	0.436065	0.6009188	0.1582784	0.566133	-1.103463
5503000000	0.366519143	2.251474735	-7.69732163	-5.882062892	-13.8968818	-6.200279971	0.4122246	0.5080388	0.2019091	0.489763	-1.873647
5503000000	0.366519143	2.303834613	-8.398949117	-8.078339738	-10.56621727	-7.280249641	0.3802354	0.3945327	0.296271	0.4325014	-2.478297
5503000000	0.366519143	2.35619449	-9.044876596	-5.92291575	-5.834114565	-6.881525995	0.3529849	0.3340289	0.3743642	0.452818	-2.416648
5503000000	0.366519143	2.408554368	-8.837806166	-8.627563026	-7.566014399	-5.809848912	0.3615012	0.3703581	0.4094208	0.5122802	-1.652199
5503000000	0.366519143	2.460914245	-8.463736911	-7.440173458	-7.813619577	-5.480818175	0.3774098	0.4246111	0.406742	0.5320581	-1.205518
5503000000	0.366519143	2.513274123	-8.910999475	-7.647751171	-8.21166612	-6.191489777	0.3584677	0.4145839	0.379264	0.4902589	-1.710098
5503000000	0.366519143	2.565634	-10.26516278	-10.00044059	-9.426269815	-7.501488857	0.3067198	0.3162117	0.3378209	0.4216242	-2.208072
5503000000	0.366519143	2.617939878	-11.94731944	-15.38330139	-10.52646105	-8.570283867	0.2527168	0.1701512	0.2976302	0.3728085	-5.245761
5503000000	0.366519143	2.670353756	-13.40200287	-15.76585165	-11.05506465	-8.780193237	0.2137469	0.1628199	0.2800572	0.3639069	-5.844076
5503000000	0.366519143	2.722713633	-14.04934929	-10.83689784	-10.74302914	-8.034656457	0.1983958	0.2871806	0.290301	0.3965219	-4.639089
5503000000	0.366519143	2.775073511	-12.77192824	-9.037971898	-10.27405219	-6.95896027	0.2298283	0.3532656	0.3064061	0.4487991	-3.489536
5503000000	0.366519143	2.827433388	-10.8403925	-9.667731645	-10.00761544	-6.448505831	0.2870651	0.328559	0.3159506	0.4759647	-3.051389
5503000000	0.366519143	2.879739266	-9.874200933	-12.53220249	-9.871775546	-6.901707722	0.3208411	0.2362598	0.3209307	0.4517671	-3.544882
5503000000	0.366519143	2.932153143	-10.12603956	-17.59287547	-10.35680006	-8.321373478	0.3116722	0.1319338	0.3035009	0.3836466	-4.953241
5503000000	0.366519143	2.984513021	-11.40092251	-21.41781213	-12.30559157	-10.71828422	0.2691249	0.0849394	0.2425048	0.2911292	-7.055291
5503000000	0.366519143	3.036872899	-13.65070635	-12.7349969	-15.9738686	-14.37520096	0.2077135	0.0697951	0.1589669	0.1910909	-10.06741
5503000000	0.366519143	3.089232776	-17.37852006	-34.46292058	-18.73559642	-19.08025628	0.1352303	0.0189171	0.1156699	0.111669	-14.00239
5503000000	0.366519143	3.141592654	-24.03857021	-21.42039329	-18.06542448	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08631
5503000000	0.41887902	-3.141592654	-24.03857029	-21.42039342	-18.06654225	-21.99383241	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.41887902	-3.089232776	-27.0189701	-16.24938293	-16.91356713	-25.20918361	0.0445709	0.1540036	0.1426664	0.054896	-14.06369
5503000000	0.41887902	-3.036872899	-20.86521755	-15.75435511	-16.2328119	-31.80250932	0.0905189	0.1630355	0.1542977	0.0256965	-13.27984
5503000000	0.41887902	-2.984513021	-18.72271427	-17.70642514	-15.97504186	-25.85808013	0.1158415	0.1302203	0.1589454	0.0509443	-12.84223
5503000000	0.41887902	-2.932153143	-19.22483609	-15.20209099	-16.17452343	-25.49954732	0.1093347	0.1737383	0.1553366	0.0530912	-12.19011
5503000000	0.41887902	-2.879739266	-20.3731278	-11.25367621	-17.07209238	-24.93976773	0.0957952	0.2737261	0.1400731	0.0566254	-10.9609
5503000000	0.41887902	-2.827433388	-18.45285372	-9.57989664	-17.76214343	-17.24193308	0.1194971	0.3318984	0.1293877	0.1377336	-8.862615
5503000000	0.41887902	-2.775073511	-16.50931471	-9.67083424	-15.86984663	-12.90417381	0.1494632	0.3284417	0.1608821	0.2263556	-7.278846
5503000000	0.41887902	-2.722713633	-16.4090053	-10.44667539	-13.2215166	-11.00670189	0.1511993	0.3003767	0.2182349	0.2816209	-6.453047
5503000000	0.41887902	-2.670353756	-16.32274617	-10.63237047	-11.09241942	-10.95956719	0.1527083	0.2940231	0.2788554	0.2831533	-5.945014
5503000000	0.41887902	-2.617993878	-14.07410891	-10.07643042	-9.19457961	-13.06530086	0.1978311	0.3134574	0.3469533	0.2221953	-5.34861
5503000000	0.41887902	-2.565634	-11.81071183	-9.293639224	-7.595232324	-18.54688492	0.2567228	0.3430189	0.4170987	0.1182104	-4.920294
5503000000	0.41887902	-2.513274123	-10.74924671	-8.533155206	-6.498344413	-17.10028317	0.2900933	0.3744055	0.4732415	0.1396323	-3.894248
5503000000	0.41887902	-2.460914245	-10.55807953	-8.111744841	-5.964616122	-11.08144444	0.2965487	0.3930183	0.513073	0.2792079	-2.604527
5503000000	0.41887902	-2.408554368	-10.34459036	-8.285917233	-5.177830876	-8.458804341	0.3039278	0.3852158	0.5509453	0.3776242	-1.84257
5503000000	0.41887902	-2.35619449	-9.511513202	-8.80973938	-4.294818967	-7.786939535	0.3345217	0.3626712	0.6005178	0.4079933	-1.382526
5503000000	0.41887902	-2.303834613	-8.464494487	-8.783393336	-3.639511622	-7.692870056	0.3773769	0.3637729	0.6576948	0.4124359	-0.860886
5503000000	0.41887902	-2.251474735	-7.732080668	-7.806060187	-3.113849521	-6.701789735	0.4105783	0.4070961	0.698727	0.4622858	-0.093057
5503000000	0.41887902	-2.199114858	-7.448851164	-6.656016755	-3.135201734	-5.074777961	0.4241871	0.4647283	0.6970115	0.5557208	0.601658
5503000000	0.41887902	-2.14675498	-7.509996727	-5.870339927	-3.668630286	-3.908750764	0.4212114	0.5087249	0.6541216	0.6376208	0.9130252
5503000000	0.41887902	-2.094395102	-7.571116511	-5.408360479	-4.141597157	-3.556054963	0.4182579	0.5365151	0.6207549	0.6604046	0.9827028
5503000000	0.41887902	-2.042035225	-7.143900081	-5.100824526	-3.747331592	-3.934651693	0.4393443	0.5558185	0.6495812	0.6357223	1.1399986
5503000000	0.41887902	-1.989675347	-6.270584057	-4.927510386	-2.945596786	-4.865586786	0.4858149	0.5670541	0.7123939	0.5711112	1.3502474
5503000000	0.41887902	-1.93731547	-5.533165224	-4.94255802	-2.521016738	-6.183614783	0.5288612	0.5660726	0.748082	0.4907036	1.3403727
5503000000	0.41887902	-1.884955592	-5.258769558	-5.064035092	-2.520751712	-7.651631978	0.5458352	0.5582108	0.7481048	0.4143987	1.0867041
5503000000	0.41887902	-1.832595715	-5.295110589	-5.023608981	-2.370743632	-8.67426835	0.5435562	0.5608149	0.761137	0.368372	0.9065972
5503000000	0.41887902	-1.780235837	-5.25060203	-4.625137642	-1.601987503	-8.612075166	0.5634887	0.587142	0.8315735	0.3710191	1.3491662
5503000000	0.41887902	-1.72787596	-4.935300747	-4.029496047	-0.551510744	-7.896794871	0.5665457	0.6228813	0.9384788	0.4028657	2.0648114
5503000000	0.41887902	-1.675516082	-4.503562438	-3.545930878	-0.233985996	-7.337687309	0.5954179	0.6488191	1.0273048	0.4296508	2.6618083
5503000000	0.41887902	-1.623156204	-4.08552797	-3.299592315	0.569820002	-7.004647077	0.6247749	0.6839437	1.0678027	0.4464447	2.9935131
5503000000	0.41887902	-1.570796327	-3.522716326	-3.195008082	0.568394856	-6.236653668	0.6665983	0.6922293	1.0676275	0.4877164	3.2697018
5503000000	0.41887902	-1.518436449	-2.572285518	-3.059169059	0.456246287	-4.622067136	0.7436794	0.7031396	1.0539313	0.5873496	3.7322627
5503000000	0.41887902	-1.466076572	-1.348629012	-2.811812148	0.37661971	-2.764763944	0.8561688	0.7234155	1.0443137	0.7273807	4.483751
5503000000	0.41887902	-1.413716694	-0.226099841	-2.527700371	0.296315742	-1.305321328	0.9743052	0.7475565	1.0347032	0.8604664	5.1463524
5503000000	0.41887902	-1.361356817	0.573248178	-2.330668394	0.149004225	-0.390570483	1.0682242	0.7646608	1.0713027	0.9506299	5.5892634
5503000000	0.41887902	-1.308996939	1.068815834	-2.239698984	-0.007655757	0.145394217	1.1309432	0.7727704	0.999119	1.01688	5.8443449
5503000000	0.41887902	-1.256637061	1.399708182	-2.138151235	-0.045115439	0.530993701	1.1748581	0.7817942	0.9948194	1.0630402	6.0520549
5503000000	0.41887902	-1.204277184	1.670900882	-1.931388083	0.057111801	0.789497978	1.2121184	0.8062977	1.0065969	1.0951533	6.2657335
5503000000	0.41887902	-1.151917306	1.871469746	-1.714116452	0.148362672	0.681147787	1.2404335	0.8209074	1.0712276	1.1851769	6.3615702
5503000000	0.41887902	-1.099557429	1.940370315	-1.699344077	-0.044422713	-0.064647934	1.2503123	0.8223047	1.0051275	0.9925848	6.171991
5503000000	0.41887902	-1.047197551	1.89633202	-2.019625085	-0.277640806	-0.141171234	1.2439892	0.7925355	0.9685409	0.8499911	5.7000153
5503000000	0.41887902	-0.994837674	1.878404236	-2.570830959	-0.574729702	-2.473228469	1.2412442	0.7438039	0.9359734	0.7522091	5.2807896
5503000000	0.41887902	-0.942477796	2.018816638	-2.952815507	-0.487991195	-2.006439691	1.2616556	0.711802	0.945367	0.7937395	5.3728796
5503000000	0.41887902	-0.890117919	2.273788533	-2.803606864	0.044073275	-0.700457092	1.2992401	0.7241352	1.005087	0.9252259	5.9135082
5503000000	0.41887902	-0.837758041	2.470898906	-2.299731543	0.716824712	0.405245586	1.3290611	0.7673852	1.0860285	1.0747611	6.5066919
5503000000	0.41887902	-0.785398163	2.499903386	-1.821401612	1.23068554	1.252863265	1.3335066	0.8108302	1.152217	1.1515627	6.9499501
5503000000	0.41887902	-0.733038286	2.393168179	-1.439440366	1.4783775	1.969224361	1.317				

5503000000	0.41887902	1.989675347	-2.947563366	-3.966228515	-7.778091757	-3.539032593	0.7122326	0.6334153	0.4084091	0.6653473	1.6535689
5503000000	0.41887902	2.042035225	-2.608420282	-3.671214778	-9.758221313	-3.694388459	0.7405919	0.6552986	0.3251539	0.6535526	1.4911988
5503000000	0.41887902	2.094395102	-3.123843915	-3.28077393	-11.03505429	-3.761209966	0.6979235	0.6895982	0.2807031	0.6485441	1.2770545
5503000000	0.41887902	2.14675498	-4.528241555	-3.004269203	-12.12964218	-3.862145374	0.5937285	0.7075979	0.2474725	0.6410512	0.787688
5503000000	0.41887902	2.199114858	-6.484095914	-3.318559442	-13.87014031	-4.454837254	0.4740184	0.6824519	0.2025317	0.5987674	-0.185369
5503000000	0.41887902	2.251474735	-8.280248377	-4.320353667	-14.42830706	-5.813350331	0.3856473	0.6081102	0.1899261	0.5120737	-1.434248
5503000000	0.41887902	2.303834613	-9.614775959	-5.911298201	-11.9719169	-7.323992578	0.3305683	0.6053317	0.2520021	0.4303288	-2.388125
5503000000	0.41887902	2.35619449	-10.81228617	-7.412211295	-9.672102151	-7.283431625	0.2879955	0.4259802	0.3283938	0.432343	-2.64653
5503000000	0.41887902	2.408554368	-11.364952	-7.747024264	-8.597324457	-6.094605171	0.2702417	0.4089725	0.3726351	0.495758	-2.223334
5503000000	0.41887902	2.460914245	-10.79475615	-7.397464044	-8.469214987	-5.507663982	0.2885773	0.4267041	0.3771718	0.5304162	-1.814928
5503000000	0.41887902	2.513274123	-10.27239351	-7.891448836	-9.120162061	-5.990386395	0.3064466	0.4031137	0.3499386	0.5017423	-2.15911
5503000000	0.41887902	2.565634	-10.55232592	-10.39247174	-10.34029358	-7.219417574	0.2967452	0.302257	0.3040782	0.4355411	-3.487444
5503000000	0.41887902	2.617993878	-11.42508453	-16.09179917	-11.77231969	-8.452864617	0.2683773	0.1568231	0.25786	0.3778825	-5.50676
5503000000	0.41887902	2.670353756	-12.42989497	-16.00493913	-12.54851562	-8.840839	0.2390591	0.1583992	0.2358165	0.361375	-6.067196
5503000000	0.41887902	2.722713633	-12.97284076	-11.05324815	-12.04478098	-8.054827932	0.2245732	0.2801158	0.2498969	0.3956021	-4.805223
5503000000	0.41887902	2.775073511	-12.1559508	-9.472843137	-11.05186517	-6.914450773	0.2467189	0.3360144	0.2801604	0.4511048	-3.648703
5503000000	0.41887902	2.827433388	-10.69993901	-10.37608083	-12.28535052	-6.42112722	0.2917448	0.302828	0.3080161	0.4774673	-3.222665
5503000000	0.41887902	2.879793266	-9.978061793	-13.46641157	-9.803097147	-6.931115582	0.3170275	0.2121678	0.3234783	0.4502402	-3.722287
5503000000	0.41887902	2.932151343	-10.31127244	-18.15880601	-10.34072087	-8.39818152	0.3050959	0.1236117	0.3040633	0.380269	-5.090385
5503000000	0.41887902	2.984513021	-11.49996991	-20.82879993	-12.55061865	-10.80675367	0.2660734	0.0908992	0.2357594	0.288179	-7.121599
5503000000	0.41887902	3.036872899	-13.55140049	-23.0045778	-16.59774603	-14.44272411	0.2101019	0.0707573	0.1479492	0.1896111	-10.19494
5503000000	0.41887902	3.089232776	-17.15725766	-35.82122739	-19.23772637	-19.07250716	0.1387194	0.0611785	0.1091726	0.1112691	-14.53621
5503000000	0.41887902	3.141592654	-24.03857029	-21.42039342	-18.06654225	-21.99383241	0.0628162	0.0894142	0.1249318	0.0794892	-15.08601
5503000000	0.471238898	-3.141592654	-24.03857067	-21.42039322	-18.06654208	-21.9938327	0.0628162	0.0894142	0.1249318	0.0794892	-15.08601
5503000000	0.471238898	-3.089232776	-26.75545477	-16.28886759	-16.71710826	-25.70993284	0.0459438	0.1533051	0.14593	0.0518207	-14.0448
5503000000	0.471238898	-3.036872899	-20.6844194	-15.58650487	-15.98715572	-31.18570351	0.0924228	0.1662167	0.1587239	0.0275877	-13.05436
5503000000	0.471238898	-2.984513021	-18.89325961	-17.28276646	-15.72820662	-23.30014293	0.1135892	0.1367293	0.163527	0.0683902	-12.35541
5503000000	0.471238898	-2.932151343	-10.21181331	-15.4735851	-15.98636027	-21.48738021	0.0987906	0.1683917	0.1587384	0.0842618	-11.86747
5503000000	0.471238898	-2.879793266	-21.83243448	-11.57980105	-17.27356917	-12.82576751	0.0809801	0.2636392	0.1368742	0.072229	-11.15476
5503000000	0.471238898	-2.827433388	-18.1580241	-9.607935606	-18.64942462	-19.67198641	0.1326229	0.3038287	0.1168231	0.1038486	-9.493298
5503000000	0.471238898	-2.775073511	-15.45416215	-9.266305831	-16.34510835	-14.87211484	0.1687687	0.3441	0.1523157	0.1804655	-7.476788
5503000000	0.471238898	-2.722713633	-15.67162197	-9.729562949	-13.33363993	-11.96035506	0.1645959	0.3262285	0.2154376	0.2523378	-6.387854
5503000000	0.471238898	-2.670353756	-18.41625235	-10.19719218	-11.20923192	-10.84941207	0.1200017	0.3091295	0.2751303	0.2867671	-6.098876
5503000000	0.471238898	-2.617993878	-18.8715916	-10.29606078	-9.266465948	-11.75797565	0.1138729	0.3056307	0.3440937	0.282862	-5.832572
5503000000	0.471238898	-2.565634	-15.14836345	-9.843163609	-8.473809096	-15.30276721	0.1748163	0.3219896	0.4225182	0.1717361	-5.263626
5503000000	0.471238898	-2.513274123	-12.58975259	-8.888800333	-6.236603047	-17.43346592	0.2346996	0.353985	0.4877192	0.1343775	-4.32063
5503000000	0.471238898	-2.460914245	-11.06798458	-8.041636868	-5.538589747	-12.51685738	0.279641	0.3961942	0.528819	0.2366776	-2.845321
5503000000	0.471238898	-2.408554368	-9.858310597	-7.816566795	-5.06822948	-5.998046269	0.3214286	0.406604	0.5584173	0.3312056	-1.842879
5503000000	0.471238898	-2.35619449	-8.824695542	-8.177738126	-4.508874271	-8.635314579	0.3620472	0.3900435	0.5950539	0.3777759	-1.285218
5503000000	0.471238898	-2.303834613	-8.139699921	-8.477387743	-3.879340221	-7.613044331	0.3917554	0.3768171	0.6397861	0.4162438	-0.797235
5503000000	0.471238898	-2.251474735	-7.779193991	-8.014462395	-3.462746474	-6.187973697	0.4083573	0.3974449	0.6712166	0.4905474	-0.14241
5503000000	0.471238898	-2.199114858	-7.555925003	-7.057943755	-3.55560461	-4.761867335	0.4189901	0.4437137	0.664079	0.5977918	0.4434293
5503000000	0.471238898	-2.14675498	-7.457260402	-6.196563239	-4.145349268	-4.038040658	0.4237766	0.4899426	0.6204868	0.6282001	0.6726257
5503000000	0.471238898	-2.094395102	-7.620617878	-5.572862463	-4.590261948	-4.172360664	0.4158881	0.5264977	0.5895042	0.6185602	0.6297654
5503000000	0.471238898	-2.042035225	-7.982265344	-5.119882994	-4.16596773	-5.0164428	0.3989208	0.5546332	0.6190156	0.5612778	0.5626675
5503000000	0.471238898	-1.989675347	-8.23038159	-4.839620723	-3.38595613	-6.279499573	0.3876887	0.572821	0.677177	0.4853165	0.5184129
5503000000	0.471238898	-1.93731547	-8.148655801	-4.787497329	-3.028252774	-7.556680126	0.3913517	0.5762688	0.7056468	0.4189537	0.3915511
5503000000	0.471238898	-1.884955592	-7.718726305	-4.930423453	-3.066380799	-8.215267914	0.41121	0.5676839	0.702556	0.3883619	0.294557
5503000000	0.471238898	-1.832595715	-6.925981082	-5.076783861	-2.820154324	-7.67803203	0.4505064	0.5573921	0.722757	0.4131412	0.6030717
5503000000	0.471238898	-1.780235837	-5.859780756	-5.002101345	-1.841923758	-6.371450602	0.5093437	0.5622053	0.8089167	0.4802059	1.4401117
5503000000	0.471238898	-1.72787596	-4.766197009	-4.714027679	-0.614016899	-5.195671289	0.5776837	0.5811399	0.9317495	0.5498148	1.2418338
5503000000	0.471238898	-1.675516082	-3.846260295	-4.42600191	-0.52318609	-4.58039911	0.6422247	0.6007585	1.0318484	0.590174	3.1219094
5503000000	0.471238898	-1.623156204	-3.140906588	-4.259300594	-0.651908898	-4.45792986	0.6965538	0.6123997	1.0779421	0.5985542	3.7495957
5503000000	0.471238898	-1.570796327	-2.538075369	-4.137759568	-0.657361668	-4.331354584	0.7466142	0.6210292	1.078619	0.6073405	3.6756514
5503000000	0.471238898	-1.518436449	-1.861249813	-3.919550379	-0.530576434	-3.620743832	0.8071189	0.6368285	1.0629891	0.6591174	3.9897663
5503000000	0.471238898	-1.466076572	-1.041804473	-3.56749805	-0.430238656	-2.451993958	0.8869717	0.6631703	1.0507803	0.7540503	4.4931798
5503000000	0.471238898	-1.413716694	-0.180726655	-3.185564423	0.333635437	-1.411273499	0.979408	0.6929817	1.0391584	0.8500341	5.0122597
5503000000	0.471238898	-1.361356817	0.594070693	-2.895779007	-0.767193377	-0.780447185	1.0707881	0.7164915	1.0194353	0.9140662	5.3920825
5503000000	0.471238898	-1.308996939	1.239636633	-2.690893501	-0.027027669	-0.451860427	1.153405	0.7353932	0.9968932	0.9493076	5.6062675
5503000000	0.471238898	-1.256637061	1.764112411	-2.429750128	-0.116951544	-0.177196911	1.2251961	0.7559838	0.9866257	0.9798061	5.9060888
5503000000	0.471238898	-1.204277184	2.146943144	-2.033738595	-0.053826473	0.083403906	1.2804404	0.7912488	0.9938222	1.0096485	6.1822163
5503000000	0.471238898	-1.151917306	2.324127041	-1.645670375	-0.04295365	0.07199985	1.3067917	0.8274018	1.0037482	1.0083237	6.3325421
5503000000	0.471238898	-1.099557429	2.254231267	-1.504309605	-0.059848776	-0.445623205	1.296318	0.8409778	0.9931333	0.9499896	6.1934947
5503000000	0.471238898	-1.047197551	1.999993602	-1.731121843	-0.410047076	-1.25645703	1.2589245	0.8193018	0.9538885	0.8653208	5.794979
5503000000	0.471238898	-0.994837674	1.744589016	-2.19867365	-0.834530291	-1.457573088	1.2224453	0.7763657	0.9083952	0.8455151	5.4663623
5503000000	0.471238898	-0.942477796	1.669435054	-2.513674573	-0.948336629	-0.586804335	1.219139	0.7487145	0.8965679	0.9464732	5.5564676
5503000000	0.471238898	-0.890117919	1.779380574	-2.36277921	-0.559916918	0.496756227	1.2273517	0.7618352	0.937571	1.0588582	5.9893094
5503000000	0.471238898	-0.837758041	1.937930614	-1.928895323	0.097419058	1.181245648					

5503000000	0.471238898	1.884955592	-4.19124618	-5.189242825	-5.231366486	-4.717315682	0.6172167	0.5502219	0.54756	0.5809439	1.1986202
5503000000	0.471238898	1.93731547	-4.975416705	-5.575402883	-6.367492015	-4.575256569	0.5639351	0.5262957	0.4804248	0.5905235	0.6732155
5503000000	0.471238898	1.989675347	-4.698792305	-5.487856466	-7.835268578	-4.408979873	0.5821842	0.5316272	0.4057295	0.601937	0.5121698
5503000000	0.471238898	2.042035225	-3.714826093	-4.788445249	-8.993814086	-4.166118507	0.6520167	0.5762059	0.3550662	0.6190049	0.8369047
5503000000	0.471238898	2.094395102	-3.210256839	-3.897606782	-9.538060173	-3.797935612	0.6910145	0.6384394	0.3335009	0.6458077	1.2469851
5503000000	0.471238898	2.14675498	-3.747871679	-3.353589052	-10.16824579	-3.632695616	0.6495408	0.6797051	0.3101614	0.6582111	1.2049581
5503000000	0.471238898	2.199114858	-5.409585007	-3.430313176	-11.58505392	-4.151637751	0.5364395	0.6377276	0.2634798	0.6200377	0.3976253
5503000000	0.471238898	2.251474735	-7.853934637	-4.180315191	-13.14006541	-5.580980114	0.4048585	0.617994	0.220291	0.5259579	-1.065545
5503000000	0.471238898	2.303834613	-10.22239773	-5.474113006	-12.59364613	-7.32266342	0.3082337	0.532469	0.2345944	0.4303946	-2.465878
5503000000	0.471238898	2.35619449	-12.25731868	-6.852137821	-10.76129858	-7.471968083	0.2438563	0.4543527	0.289691	0.4230596	-3.030308
5503000000	0.471238898	2.408545368	-14.37835567	-7.562606214	-9.550145452	-6.188736552	0.1910215	0.4186679	0.3330372	0.4904144	-2.894822
5503000000	0.471238898	2.460914245	-14.60684315	-7.678245011	-9.308079538	-5.423227515	0.1860621	0.413131	0.3424491	0.5355976	-2.63158
5503000000	0.471238898	2.513274123	-12.8137652	-8.402293299	-9.952989675	-5.743659358	0.228724	0.380089	0.3179439	0.5161988	-2.835539
5503000000	0.471238898	2.565634	-11.66968652	-11.06106071	-11.34125546	-6.905192443	0.260925	0.279864	0.27098	0.4515859	-3.990093
5503000000	0.471238898	2.617993878	-11.45048368	-17.13414093	-13.18868693	-8.244923332	0.2675937	0.1390891	0.2190567	0.3870382	-5.910318
5503000000	0.471238898	2.670353756	-11.67038587	-16.43411737	-14.43943426	-8.773751951	0.260904	0.1507628	0.1896829	0.3641769	-6.325315
5503000000	0.471238898	2.722713633	-11.82094794	-11.49226617	-13.62944277	-8.000961058	0.2564204	0.2663095	0.2082226	0.3980631	-4.966601
5503000000	0.471238898	2.775073511	-11.28502497	-10.16366833	-11.83436181	-6.87471688	0.2727399	0.3103249	0.2560247	0.4531731	-3.793584
5503000000	0.471238898	2.827433388	-10.35623922	-11.39906376	-10.37790543	-6.493602008	0.3035205	0.2691825	0.3027643	0.4764661	-3.401494
5503000000	0.471238898	2.879793266	-9.990056986	-14.73348617	-9.707473884	-7.007639943	0.31659	0.1833689	0.3270592	0.4462909	-3.921924
5503000000	0.471238898	2.932153143	-10.48064145	-18.66961188	-10.31701874	-8.500372073	0.2992044	0.1655519	0.3048941	0.3758213	-5.220651
5503000000	0.471238898	2.984513021	-11.60496695	-20.17630197	-12.7854303	-10.89999218	0.2628764	0.0979907	0.2294714	0.2851021	-7.176066
5503000000	0.471238898	3.036872899	-13.45603324	-22.84690319	-17.24720473	-14.5099072	0.2124214	0.1027055	0.1372903	0.1881502	-10.31521
5503000000	0.471238898	3.089232776	-16.94564895	-37.46440173	-19.75976699	-19.06440297	0.1421404	0.01339	0.1028044	0.111373	-14.66343
5503000000	0.471238898	3.141592654	-24.03857067	-21.42039322	-18.06554208	-21.9938323	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.523598776	-3.141592654	-24.03857041	-21.42039348	-18.06654213	-21.99383237	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.523598776	-3.089232776	-26.49505712	-16.33580939	-16.5295357	-26.20931757	0.0473421	0.1524788	0.1491156	0.0489254	-14.02595
5503000000	0.523598776	-3.036872899	-20.55225819	-15.41578446	-15.7706217	-30.1715757	0.0938398	0.169516	0.1627305	0.0310042	-12.82055
5503000000	0.523598776	-2.984513021	-19.09177572	-16.80706756	-15.55192959	-21.35246875	0.1110226	0.1444264	0.1668797	0.085808	-11.90487
5503000000	0.523598776	-2.932153143	-21.03847969	-15.67750495	-15.92610108	-18.58127549	0.0887311	0.1644844	0.1598435	0.1177433	-11.52194
5503000000	0.523598776	-2.879793266	-23.28201488	-11.97680407	-17.62112123	-18.9688057	0.0685329	0.2518603	0.1310371	0.1126055	-10.99446
5503000000	0.523598776	-2.827433388	-17.73336321	-9.749291174	-19.84599243	-20.36748938	0.1298171	0.3254883	0.1017889	0.0958573	-9.72298
5503000000	0.523598776	-2.775073511	-14.55726182	-9.01564231	-16.90180388	-17.6338626	0.1871272	0.354175	0.1428597	0.1313127	-7.792391
5503000000	0.523598776	-2.722713633	-14.68775522	-9.14515233	-13.54137058	-13.3923401	0.1843369	0.3489333	0.2103447	0.1213948	-6.39692
5503000000	0.523598776	-2.670353756	-18.4107483	-9.662437779	-11.45178596	-11.05375012	0.1200778	0.3287593	0.2675535	0.2800996	-6.051139
5503000000	0.523598776	-2.617993878	-24.8228581	-10.28285713	-9.438935953	-10.96634742	0.0573928	0.3060956	0.3373286	0.2829324	-6.16291
5503000000	0.523598776	-2.565634	-18.29713347	-10.3845548	-7.459299131	-13.19093897	0.1216587	0.3025327	0.4236772	0.2190045	-5.458345
5503000000	0.523598776	-2.513274123	-13.88882943	-9.440476268	-6.106340059	-15.50429474	0.2020964	0.3372688	0.4950886	0.1677974	-4.420676
5503000000	0.523598776	-2.460914245	-11.4052966	-8.201912128	-5.460393362	-12.77756105	0.2689894	0.3889595	0.5332757	0.2296793	-2.969295
5503000000	0.523598776	-2.408545368	-9.764425723	-7.514669658	-5.159638072	-10.0209371	0.3249217	0.4209849	0.5521004	0.3154664	-1.865363
5503000000	0.523598776	-2.35619449	-8.818337682	-7.506300696	-4.773595239	-8.577479361	0.3623123	0.4213907	0.5770747	0.3724998	-1.242338
5503000000	0.523598776	-2.303834613	-8.601849098	-7.76003564	-4.244140027	-7.448808091	0.3714561	0.4089799	0.6134695	0.4241892	-0.828279
5503000000	0.523598776	-2.251474735	-8.836476033	-7.689380824	-3.884735399	-6.183737092	0.3615565	0.4126016	0.6393862	0.4909667	-0.426162
5503000000	0.523598776	-2.199114858	-8.848579617	-7.140342564	-4.013745624	-5.253698728	0.3610531	0.4395243	0.6299596	0.5461539	-0.101825
5503000000	0.523598776	-2.14675498	-8.358918004	-6.44429221	-4.5823877	-5.139097205	0.3819919	0.4761956	0.5900389	0.5534076	-0.0070933
5503000000	0.523598776	-2.094395102	-7.91274089	-5.799613584	-4.902532705	-5.956933778	0.4012167	0.5128842	0.5686871	0.53063784	-0.054997
5503000000	0.523598776	-2.042035225	-8.016060746	-5.239528636	-4.359198595	-7.519964708	0.3937342	0.5470405	0.6053967	0.4207283	-0.128873
5503000000	0.523598776	-1.989675347	-8.780018447	-4.823283489	-3.757547081	-9.317862628	0.3639143	0.5738995	0.6625561	0.3420636	-0.253677
5503000000	0.523598776	-1.93731547	-9.900560833	-4.63028572	-3.256959181	-10.44039627	0.3198689	0.5862712	0.687309	0.3005939	-0.472803
5503000000	0.523598776	-1.884955592	-10.32821761	-4.696786077	-3.27708415	-9.859173801	0.3045013	0.5823186	0.6857184	0.3213966	-0.473299
5503000000	0.523598776	-1.832595715	-9.123407418	-4.879207383	-2.907326355	-7.855368665	0.3498079	0.5702163	0.7155396	0.4047917	0.1735169
5503000000	0.523598776	-1.780235837	-7.139786843	-4.993390302	-1.79284859	-5.74692645	0.4395524	0.5627694	0.8135	0.5160047	1.333325
5503000000	0.523598776	-1.72787596	-5.345143827	-4.961812347	-0.4958673	-4.266792292	0.540342	0.5648191	0.9445102	0.6118717	2.4823706
5503000000	0.523598776	-1.675516082	-3.968097948	-4.871907383	0.416636633	-3.59058256	0.633279	0.5706957	1.0491361	0.6614102	3.270744
5503000000	0.523598776	-1.623156204	-2.937598298	-4.785555897	0.805416024	-3.619982426	0.7130502	0.5763977	1.0971621	0.6591752	3.6533854
5503000000	0.523598776	-1.579796327	-2.127386428	-4.634990378	0.809060625	-3.619775527	0.7827637	0.5864763	1.0976226	0.6348063	3.8113088
5503000000	0.523598776	-1.518436449	-1.449099378	-4.33265859	0.664003074	-3.886268197	0.8463403	0.6072494	1.0794441	0.6932793	4.0069046
5503000000	0.523598776	-1.466076572	-0.859941525	-3.90216067	-3.195414848	-3.195414848	0.9057387	0.6381407	1.0620248	0.6921963	4.344583
5503000000	0.523598776	-1.413716694	-0.308675666	-3.468786624	0.366273381	-2.375935644	0.9650864	0.67075	1.0430705	0.7606821	4.7095313
5503000000	0.523598776	-1.361356817	0.287150208	-3.135028665	-1.26752185	-1.800530322	1.0336119	0.6970253	1.0146999	0.8127809	5.0038071
5503000000	0.523598776	-1.308996939	0.979894199	-2.861282119	-0.151632276	-1.355049555	1.1194358	0.7193428	0.9826942	0.8555542	5.2893365
5503000000	0.523598776	-1.256637061	1.708960362	-2.492057177	-0.2079706	-0.765958325	1.2174413	0.7505803	0.9635986	0.9155922	5.6823231
5503000000	0.523598776	-1.204277184	2.305251974	-1.9707774	-0.305398533	-0.084507687	1.303955	0.7970052	0.9654506	0.9903179	6.1429193
5503000000	0.523598776	-1.151917306	2.594095207	-1.471918711	-0.212957443	-0.341988465	1.3480461	0.8441198	0.9757773	1.0401583	6.4611242
5503000000	0.523598776	-1.099557429	2.499514071	-1.242018784	-0.262206997	0.310244692	1.3334468	0.8667604	0.9702619	1.0363638	6.4585053
5503000000	0.523598776	-1.047197551	2.102124796	-1.392394628	-0.579638026	0.402404307	1.2738147	0.8518836	0.9354398	1.0048518	6.162726
5503000000	0.523598776	-0.994837674	1.630535953	-1.790159968	-1.046134664	0.118701637	1.2064985	0.8137519	0.8865297	1.0137598	5.8463176
5503000000	0.523598776	-0.942477796	1.319649018	-2.068964281	-1.303938564						

5503000000	0.523598776	1.780235837	-2.710860113	-4.920896801	-6.015840515	-4.69915532	0.7319088	0.567486	0.500274	0.5821598	1.5176107
5503000000	0.523598776	1.832595715	-2.66575788	-6.264738247	-6.008789899	-5.089305987	0.7357192	0.4861419	0.5006803	0.5565891	1.1347842
5503000000	0.523598776	1.884955592	-3.300369931	-7.719754719	-6.529154558	-5.178164745	0.6838825	0.4111613	0.4715658	0.5509241	0.4960067
5503000000	0.523598776	1.93731547	-4.858998622	-8.96966177	-7.470956377	-5.047379044	0.57151445	0.3560549	0.4231089	0.5592823	-0.399975
5503000000	0.523598776	1.989675347	-6.420802089	-8.920441013	-8.381222954	-4.80665673	0.4774852	0.3580783	0.3810122	0.5749991	-0.955901
5503000000	0.523598776	2.042035225	-5.903136448	-7.323080115	-8.781634167	-4.376961767	0.5068077	0.430374	0.3638466	0.6041599	-0.421843
5503000000	0.523598776	2.094395102	-4.402556469	-5.611183177	-8.833778057	-3.81767272	0.6023823	0.5241322	0.3616688	0.643419	0.5572835
5503000000	0.523598776	2.14675498	-3.849981408	-6.429408127	-9.201519589	-3.558991157	0.6419496	0.5868534	0.3466762	0.6638205	0.9816442
5503000000	0.523598776	2.199114858	-4.685762991	-4.517129921	-10.29693783	-4.069111117	0.5830581	0.5944886	0.3055998	0.6259569	0.4613577
5503000000	0.523598776	2.251474735	-6.76948381	-5.176162598	-11.74685191	-5.522734698	0.4586969	0.5510511	0.2586172	0.5294967	-0.925473
5503000000	0.523598776	2.303834613	-9.429320606	-6.373071544	-12.18459482	-2.79673951	0.3377023	0.4801163	0.2459066	0.4325301	-2.520486
5503000000	0.523598776	2.35619449	-11.92069405	-7.649619621	-11.27995372	-7.419246378	0.2534926	0.4144947	0.2728992	0.4256353	-3.308268
5503000000	0.523598776	2.408554368	-15.07428588	-8.371525491	-10.34076535	-6.10493742	0.1763136	0.3814378	0.3040617	0.4951686	-3.36912
5503000000	0.523598776	2.460914245	-18.89054013	-8.575972532	-10.11406681	-5.271095042	0.1336248	0.3725644	0.3121021	0.5450612	-3.456801
5503000000	0.523598776	2.513274123	-16.87634379	-9.364234752	-10.74814249	-5.494528037	0.1432791	0.3402423	0.2901302	0.531219	-3.709252
5503000000	0.523598776	2.565634	-13.73913967	-12.15129043	-12.20060132	-6.586433269	0.2056094	0.2468513	0.2454539	0.4684663	-6.683792
5503000000	0.523598776	2.617993878	-12.11177305	-18.68123208	-14.36147577	-7.960670855	0.247977	0.1163961	0.1913931	0.3999139	-6.41435
5503000000	0.523598776	2.670353756	-11.34378737	-16.99297773	-16.18789623	-8.588372022	0.270901	0.1413608	0.1550976	0.3720329	-6.565393
5503000000	0.523598776	2.722713633	-12.27213633	-12.14499630	-15.02554307	-7.8825519	0.2840703	0.2470303	0.1773058	0.4032619	-5.101096
5503000000	0.523598776	2.775073511	-10.41195076	-11.14143573	-12.37999048	-6.847834497	0.3015799	0.2272862	0.2404365	0.4545779	-3.918026
5503000000	0.523598776	2.827433388	-9.869074004	-12.81421972	-10.41603691	-6.503867047	0.3210305	0.228712	0.3014381	0.4729947	-3.820044
5503000000	0.523598776	2.879793266	-9.885282316	-16.36035245	-9.601027711	-7.128500826	0.320432	0.1520408	0.3310919	0.4401239	-4.126312
5503000000	0.523598776	2.932153143	-10.60407085	-18.89680126	-10.29891364	-8.623242046	0.2949826	0.1135429	0.3055303	0.3705424	-5.315222
5503000000	0.523598776	2.984513021	-11.70032863	-19.46639447	-13.00644092	-10.99384965	0.2600061	0.106336	0.2237062	0.2820379	-7.209412
5503000000	0.523598776	3.036872899	-13.35975882	-22.65964263	-17.90235812	-14.57479106	0.214789	0.0736237	0.1273157	0.1867499	-10.42177
5503000000	0.523598776	3.089232776	-16.7432824	-39.45923302	-20.29515328	-19.0553637	0.1454909	0.1016424	0.096659	0.1114897	-14.79185
5503000000	0.523598776	3.141592654	-24.03857041	-21.42039348	-18.06654213	-21.99383237	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.575958653	-3.141592654	-24.03857061	-21.42039347	-18.06654212	-21.99383271	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.575958653	-3.089232776	-26.24672286	-16.39124842	-16.35103381	-26.6997859	0.0487151	0.1515087	0.1522118	0.0462392	-14.00822
5503000000	0.575958653	-3.036872899	-20.46216631	-15.24787851	-15.58295792	-29.08966036	0.0948182	0.1728248	0.1662846	0.035117	-12.59632
5503000000	0.575958653	-2.984513021	-19.29989441	-16.29608718	-15.44474094	-18.9393742	0.108394	0.1531777	0.1689519	0.1018665	-11.496
5503000000	0.575958653	-2.932153143	-21.90986195	-15.75475613	-15.98412427	-16.4440497	0.0802614	0.163028	0.1587793	0.1505905	-11.17145
5503000000	0.575958653	-2.879793266	-24.62217851	-12.4165426	-18.18127612	-15.99609515	0.0587342	0.2394269	0.1232924	0.1585606	-10.75183
5503000000	0.575958653	-2.827433388	-17.45621535	-9.99863904	-21.28362849	-18.37191278	0.1340261	0.1627773	0.0862618	0.1206158	-9.6669
5503000000	0.575958653	-2.775073511	-14.03041711	-8.919700681	-17.3554503	-21.36514894	0.1988287	0.3581088	0.1352766	0.085456	-8.204692
5503000000	0.575958653	-2.722713633	-13.96621687	-8.727139574	-13.72713118	-15.4966038	0.2003038	0.3661365	0.2058919	0.1679461	-6.555472
5503000000	0.575958653	-2.670353756	-16.95155695	-9.151855785	-11.7075062	-11.581231	0.1420438	0.3486641	0.2597914	0.2635958	-5.899027
5503000000	0.575958653	-2.617993878	-20.9294999	-10.07025838	-9.623444656	-10.63480396	0.0898514	0.3136802	0.3302385	0.2939408	-5.783181
5503000000	0.575958653	-2.565634	-17.64843355	-10.79787414	-7.459654017	-11.99929499	0.1310926	0.2884737	0.4236598	0.251209	-5.236799
5503000000	0.575958653	-2.513274123	-14.17664578	-10.13133297	-6.027730133	-13.73121225	0.1955094	0.3114823	0.4995897	0.2057972	-4.347835
5503000000	0.575958653	-2.460914245	-12.00719138	-8.605684691	-5.4432412	-10.67366831	0.2509808	0.3712921	0.5343538	0.2489989	-3.062363
5503000000	0.575958653	-2.408554368	-10.51473072	-7.469433387	-5.270717516	-9.633110115	0.2980324	0.4231831	0.5451189	0.3289713	-1.958823
5503000000	0.575958653	-2.35619449	-9.701146679	-7.028921578	-4.957166371	-8.034561807	0.3272975	0.4451987	0.5651213	0.3965262	-1.238898
5503000000	0.575958653	-2.303834613	-9.72925572	-7.023724142	-4.803433954	-6.817362558	0.32624	0.4454652	0.602259	0.50461754	-0.770915
5503000000	0.575958653	-2.251474735	-10.4664547	-7.030759088	-3.993665117	-5.765978434	0.2996935	0.4451046	0.6314177	0.5148741	-0.486357
5503000000	0.575958653	-2.199114858	-11.03347166	-6.815886362	-4.507490597	-5.160514169	0.2807543	0.4562529	0.6267949	0.5520448	-0.373384
5503000000	0.575958653	-2.14675498	-10.35457035	-6.418633602	-4.94868513	-5.2460979	0.3035788	0.4776044	0.5960142	0.5466321	-0.337269
5503000000	0.575958653	-2.094395102	-9.026181857	-5.914756703	-4.635920718	-5.940594239	0.3537455	0.5061301	0.5864135	0.5046268	-0.215829
5503000000	0.575958653	-2.042035225	-8.110144982	-5.358822601	-4.055534986	-6.81490077	0.393907	0.5395838	0.6269361	0.4563047	0.0688454
5503000000	0.575958653	-1.989675347	-7.957348219	-4.86810815	-3.382428655	-7.39797042	0.4006669	0.5710307	0.6774521	0.4626792	0.320772
5503000000	0.575958653	-1.93731547	-8.470728993	-4.57197185	-3.189903339	-7.560086092	0.3771061	0.5907468	0.6926356	0.4187894	0.3376512
5503000000	0.575958653	-1.884955592	-9.093801749	-4.521648442	-3.291644232	-7.193813771	0.3510023	0.5941794	0.6846599	0.4368268	0.2844376
5503000000	0.575958653	-1.832595715	-8.852148944	-4.632901961	-2.952262086	-6.148103376	0.3609047	0.5866173	0.7118474	0.4927139	0.3658199
5503000000	0.575958653	-1.780235837	-7.528754517	-4.74774093	-3.844921033	-4.782906417	0.4203028	0.5789125	0.8086376	0.575735	1.5270787
5503000000	0.575958653	-1.72787596	-5.916995905	-4.775225739	-4.545655174	-3.695309609	0.5059996	0.5770836	0.9392295	0.6534833	2.5284604
5503000000	0.575958653	-1.675516082	-4.538767847	-4.739388518	-0.385312549	-3.233217288	0.5930094	0.5794695	1.0453594	0.6891903	3.2483836
5503000000	0.575958653	-1.623156204	-3.437219774	-6.454471394	0.80224181	-3.438877384	0.6731921	0.5851624	1.0967612	0.6730636	3.6030321
5503000000	0.575958653	-1.570796327	-2.512290556	-4.460453711	0.835780933	-3.977934905	0.7488339	0.5983803	1.1010044	0.6325622	3.7526161
5503000000	0.575958653	-1.518436449	-1.754785362	-4.115440971	0.707538705	-4.106459268	0.8170728	0.622627	1.0848681	0.6232712	3.9396504
5503000000	0.575958653	-1.466076572	-1.227752005	-3.678133563	-5.53990572	-3.440803235	0.8681852	0.6547769	1.0658584	0.6279144	4.2483735
5503000000	0.575958653	-1.413716694	-0.894786346	-3.270522207	0.35340132	-2.480675912	0.9021125	0.6862366	1.0415259	0.7515644	4.5614322
5503000000	0.575958653	-1.361356817	-0.536769443	-2.967907691	0.049010854	-1.632289893	0.9400729	0.7105663	1.0056585	0.8286774	4.8233938
5503000000	0.575958653	-1.308996939	0.103623427	-2.708652864	-0.29779571	-0.807080174	1.0120015	0.7320499	0.9662961	0.9112677	5.1575541
5503000000	0.575958653	-1.256637061	0.1016268676	-2.337779916	-0.516152354	0.147778892	1.124122	0.764031	0.9423069	1.0171592	5.6832417
5503000000	0.575958653	-1.204277184	1.886826486	-1.811041897	-0.502208446	1.069774219	1.2426285	0.8117979	0.943813	1.131068	6.2969445
5503000000	0.575958653	-1.151917306	2.392799931	-1.302917718	-0.361875509	1.641255748	1.3171644	0.8607046	0.9591935	1.2079885	6.7392976
5503000000	0.575958653	-1.099557429	2.399850289	-1.05056066	-0.32029806	1.711779526	1.318234	0.886078	0.962687	1.2178365	6.8184662
5503000000	0.575958653	-1.047197551	1.990146349	-1.16085591	-0.568636238						

5503000000	0.575958653	1.675516082	-1.908330112	-2.898776523	-6.677529097	-3.811925707	0.8027559	0.7162443	0.4635788	0.6447684	2.3697498
5503000000	0.575958653	1.72787596	-2.249777273	-3.905736389	-6.745527714	-3.886238874	0.7718113	0.6378421	0.4599638	0.6392755	1.9690417
5503000000	0.575958653	1.780235837	-2.262247755	-5.180566583	-6.580327213	-4.165116504	0.7707004	0.5057718	0.4687957	0.6190763	1.61739
5503000000	0.575958653	1.832595715	-2.014204211	-6.573855928	-6.78424212	-4.420680701	0.7930303	0.4691597	0.4579182	0.6011262	1.29378
5503000000	0.575958653	1.884955592	-2.197073683	-8.080685228	-7.5006093	-4.546721531	0.7765087	0.3944262	0.4216931	0.5924667	0.7688053
5503000000	0.575958653	1.93731547	-3.464327273	-9.622986688	-8.378210806	-4.61817704	0.6710944	0.330256	0.3811443	0.5876127	-0.130802
5503000000	0.575958653	1.989675347	-6.001161539	-10.13462529	-8.867832981	-4.633772921	0.5011202	0.3113642	0.3602536	0.5655585	-1.113819
5503000000	0.575958653	2.042035225	-7.964115276	-8.714442959	-8.875895997	-4.400482127	0.3997553	0.3666721	0.3599194	0.6025261	-1.265339
5503000000	0.575958653	2.094395102	-6.470652943	-8.89344798	-8.848493661	-3.930070842	0.4747526	0.4521969	0.3610566	0.6036576	-0.336211
5503000000	0.575958653	2.14675498	-4.747345924	-5.860785007	-9.2470741	-3.68797489	0.5789389	0.5092848	0.3448628	0.6540354	0.3703562
5503000000	0.575958653	2.199114858	-4.537283893	-5.829308543	-10.23706631	-4.171408777	0.5931108	0.5111338	0.3079369	0.618628	0.1327833
5503000000	0.575958653	2.251474735	-5.773132872	-6.676974973	-11.40553749	-5.51999757	0.5144502	0.4636084	0.2689819	0.5296636	-1.028298
5503000000	0.575958653	2.303834613	-7.858740908	-8.085431844	-11.88512137	-7.037908295	0.4046345	0.3942107	0.2545329	0.4447384	-2.509688
5503000000	0.575958653	2.35619449	-9.930820641	-9.476781485	-11.46614045	-7.054904687	0.3187564	0.335862	0.2671117	0.4438689	-3.314135
5503000000	0.575958653	2.408554368	-12.22205803	-10.15585009	-10.90161044	-5.853545744	0.2448483	0.3106043	0.285049	0.5097095	-3.412567
5503000000	0.575958653	2.460914245	-16.03835274	-10.2267563	-10.80578903	-5.080645421	0.157791	0.3080791	0.288211	0.5571443	-3.667052
5503000000	0.575958653	2.513274123	-19.96212927	-10.92451351	-11.40775735	-5.263702288	0.100437	0.2842983	0.2689132	0.5455253	-4.442957
5503000000	0.575958653	2.565634	-16.95623118	-13.82010531	-12.73646229	-6.273628687	0.1419673	0.2037017	0.2307687	0.4856446	-5.497346
5503000000	0.575958653	2.617993878	-13.54431343	-20.89201547	-14.77835281	-7.614845518	0.2102734	0.09024	0.1824242	0.4161575	-6.944488
5503000000	0.575958653	2.670335756	-11.55173523	-17.55894146	-16.6280684	-8.305657418	0.2644924	0.1324053	0.1474336	0.3843414	-6.662925
5503000000	0.575958653	2.722713633	-10.43483816	-12.99278898	-17.73223821	-7.73223821	0.3007863	0.224058	0.1700614	0.4105711	-1.149607
5503000000	0.575958653	2.775073511	-9.701107182	-12.44454994	-12.47659152	-6.836903602	0.327299	0.2386651	0.2377773	0.4551503	-0.420895
5503000000	0.575958653	2.827433388	-9.330736589	-14.73454992	-10.34244693	-6.611008043	0.341557	0.1833464	0.3040028	0.4671427	-7.768171
5503000000	0.575958653	2.879793266	-9.66786121	-18.23277109	-9.506425212	-7.287434512	0.3285541	0.1225366	0.3347177	0.4321438	-0.370802
5503000000	0.575958653	2.932153143	-10.65728015	-18.62084629	-10.30009061	-8.760031882	0.2931811	0.172081	0.3054889	0.3647526	-3.347053
5503000000	0.575958653	2.984513021	-11.77095403	-18.71861001	-13.20980362	-11.08419681	0.2579006	0.1158963	0.2185294	0.2791195	-7.215793
5503000000	0.575958653	3.036872899	-13.25827933	-22.45288493	-18.53165955	-14.63599333	0.2173132	0.0753973	0.1184178	0.1854387	-10.50742
5503000000	0.575958653	3.089232776	-16.54982961	-41.76652568	-20.83452078	-19.04469515	0.1487677	0.0081997	0.0908422	0.111626	-14.90915
5503000000	0.575958653	3.141592654	-24.03857061	-21.42039347	-18.06654212	-21.99383271	0.0628162	0.0849142	0.1249318	0.0794892	-15.08697
5503000000	0.628318531	-3.141592654	-24.03857057	-21.42039339	-18.06654231	-21.99383206	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.628318531	-3.089232776	-26.01587585	-16.45628889	-16.18160452	-27.17181551	0.0500272	0.1503784	0.15521	0.0437935	-13.99224
5503000000	0.628318531	-3.036872899	-20.40674375	-15.08838501	-15.42280887	-28.11037234	0.0954251	0.1760276	0.169379	0.039308	-12.39325
5503000000	0.628318531	-2.984513021	-19.49588695	-15.76909673	-15.40264583	-18.66239383	0.1059755	0.1627591	0.1697726	0.1166488	-11.1323
5503000000	0.628318531	-2.932153143	-22.58196212	-15.65767159	-16.15034837	-14.84226407	0.0742851	0.1648604	0.1557696	0.1180868	-10.81212
5503000000	0.628318531	-2.879793266	-25.72620324	-12.84911695	-18.82637502	-13.82521333	0.0517237	0.227795	0.1144672	0.203582	-10.49285
5503000000	0.628318531	-2.827433388	-17.4801465	-10.33667269	-22.73986726	-15.77254706	0.1336573	0.304205	0.0729469	0.1626944	-9.453802
5503000000	0.628318531	-2.775073511	-13.9475464	-8.967224336	-17.59156733	-23.60081317	0.2007348	0.3561548	0.1319537	0.0660632	-8.462737
5503000000	0.628318531	-2.722713633	-13.71425897	-8.480864539	-13.78693749	-18.50086646	0.2061992	0.3766663	0.2044881	0.1188384	-6.876263
5503000000	0.628318531	-2.670353756	-15.65446038	-8.740037644	-11.85530094	-12.36436159	0.1649214	0.3655932	0.255408	0.2408696	-5.790949
5503000000	0.628318531	-2.617993878	-16.65074047	-9.738199629	-9.713277553	-10.66442802	0.1470493	0.2559042	0.3268407	0.2929399	-5.250309
5503000000	0.628318531	-2.565634	-14.91666337	-10.94942227	-7.400523744	-11.49733112	0.1795423	0.2834482	0.4265538	0.2661543	-4.763438
5503000000	0.628318531	-2.513274123	-13.54848118	-10.7962464	-5.904105233	-12.9112793	0.2101725	0.2885278	0.5067511	0.2261705	-4.211051
5503000000	0.628318531	-2.460914245	-12.9163507	-9.186760434	-5.347377816	-11.71456832	0.2260385	0.3472658	0.5402952	0.2959802	-3.266052
5503000000	0.628318531	-2.408554368	-12.35855563	-7.689057591	-9.452137798	-12.2794887	0.2410306	0.412617	0.5478877	0.3368163	-2.279488
5503000000	0.628318531	-2.35619449	-11.71375467	-6.851147965	-4.89684597	-7.741562056	0.2596045	0.4544045	0.5690595	0.4101303	-1.44644
5503000000	0.628318531	-2.303834613	-11.29761456	-6.521455487	-4.256105346	-6.408906795	0.2723449	0.4719839	0.612625	0.4781395	-0.747346
5503000000	0.628318531	-2.251474735	-11.40157506	-6.407976575	-3.746793418	-5.323510996	0.2691047	0.4781908	0.6496214	0.5471818	-0.270394
5503000000	0.628318531	-2.199114858	-11.94216171	-6.31039585	-3.708593118	-4.616087216	0.2528669	0.4834461	0.6524847	0.5877541	-0.102436
5503000000	0.628318531	-2.14675498	-12.09535553	-6.151787931	-4.028117623	-4.331757813	0.2484461	0.492405	0.6289181	0.6073123	-0.099669
5503000000	0.628318531	-2.094395102	-10.98368601	-5.856322742	-4.125125113	-4.280475921	0.2823681	0.5095465	0.6219313	0.6109086	0.1068476
5503000000	0.628318531	-2.042035225	-9.31739292	-5.41121861	-3.687188046	-4.219424306	0.3420821	0.5363386	0.6540947	0.6152176	0.6190061
5503000000	0.628318531	-1.989675347	-8.107994268	-4.933366389	-3.240095788	-4.146917588	0.393188	0.5666719	0.6886476	0.6203748	1.0956393
5503000000	0.628318531	-1.93731547	-7.629491909	-4.586950491	-3.254603671	-4.202189146	0.4154564	0.589729	0.6874954	0.6164396	1.2483316
5503000000	0.628318531	-1.884955592	-7.656047069	-4.445181369	-3.26874552	-4.32565983	0.4141881	0.5994334	0.6662792	0.6077363	1.1671427
5503000000	0.628318531	-1.832595715	-7.607437991	-4.444721546	-3.294728117	-4.252453827	0.4165126	0.5994651	0.6843269	0.6128826	1.2636156
5503000000	0.628318531	-1.780235837	-6.967763691	-4.451532675	-2.198040084	-3.888754596	0.4483445	0.5989952	0.7764223	0.6390904	1.8081676
5503000000	0.628318531	-1.72787596	-5.915161394	-4.391284855	-0.843354875	-3.508596137	0.5061065	0.6031465	0.90747	0.6676828	2.5564216
5503000000	0.628318531	-1.675516082	-4.911766637	-4.283840205	-0.633232319	-3.468723139	0.5680828	0.610672	1.0189811	0.6707549	3.1324692
5503000000	0.628318531	-1.623156204	-4.067787352	-4.141405397	0.657549617	-3.874857978	0.6260523	0.6207686	1.0786424	0.6401137	3.4215841
5503000000	0.628318531	-1.570796327	-3.24480868	-3.920893014	0.754077239	-4.319071657	0.6882712	0.6367301	1.0906964	0.6082	3.5907416
5503000000	0.628318531	-1.518436449	-2.442169044	-3.594565994	0.662116014	-3.989345636	0.7549037	0.6611069	1.0792096	0.6317318	3.8818243
5503000000	0.628318531	-1.466076572	-1.853606147	-3.212757918	0.540060607	-2.819276979	0.8078295	0.6908155	1.0609632	0.72283	4.3033311
5503000000	0.628318531	-1.413716694	-1.586092802	-2.875297271	0.297404879	-1.525699864	0.8330966	0.718183	1.0348329	0.8389093	4.672667
5503000000	0.628318531	-1.361356817	-1.455958283	-2.639419226	-0.02634771	-0.445043716	0.8456723	0.7379536	0.9696712	0.950053	4.9364934
5503000000	0.628318531	-1.308996939	-1.024066275	-2.444607623	-0.376205962	0.523197533	0.8887849	0.7546918	0.9576029	1.0620865	5.2565324
5503000000	0.628318531	-1.256637061	-0.066633679	-2.154178503	-0.565798123	1.481165824	0.9923579	0.7803529	0.9369364	1.1859279	5.7908317
5503000000	0.628318531	-1.204277184	1.045104341	-1.724954675	-0.488035536	2.294167335	1.1278601	0.8198837	0.9453622	1.302292	6.4348633
5503000000	0.628318531	-1.151917306	1.807000854	-1.299607317	-0.267193						

5503000000	0.628318531	1.570796327	-1.054128524	-1.517898991	-4.699024268	-3.353417225	0.8857141	0.8396631	0.5821686	0.6797186	3.4848733
5503000000	0.628318531	1.623156204	-1.045450009	-1.97007486	-6.257082578	-2.991955484	0.8865995	0.7970696	0.4865706	0.7086018	3.1637552
5503000000	0.628318531	1.675516082	-1.275819956	-2.75827385	-7.272423761	-2.718996047	0.863394	0.7279032	0.4328913	0.7312236	2.783131
5503000000	0.628318531	1.72787596	-1.732402622	-3.878570048	-7.375502378	-2.720350321	0.819181	0.6398402	0.4277843	0.7311096	2.3385112
5503000000	0.628318531	1.780235837	-1.993555308	-5.085347418	-7.244577732	-2.938124241	0.7949178	0.5568428	0.4342813	0.713007	1.9348953
5503000000	0.628318531	1.832595715	-1.766913659	-6.026865575	-7.547060527	-3.215388332	0.8159327	0.4996394	0.4194179	0.6906064	1.6757709
5503000000	0.628318531	1.884955592	-1.587537234	-6.671849215	-8.281932757	-3.508023671	0.8329581	0.463882	0.3853926	0.6677268	1.4006706
5503000000	0.628318531	1.93731547	-2.255699513	-7.253928787	-8.900804684	-3.890652255	0.7712852	0.433814	0.3588887	0.6389508	0.8394483
5503000000	0.628318531	1.989675347	-4.296561208	-7.635120709	-9.015775707	-4.134880955	0.6097783	0.4151872	0.3541702	0.6084935	-0.053893
5503000000	0.628318531	2.042035225	-7.557504072	-7.337339659	-8.974516278	-4.47007109	0.4189139	0.4296068	0.3558559	0.5977182	-0.904752
5503000000	0.628318531	2.094395102	-8.548001008	-6.557940144	-9.2446171858	-4.205464729	0.3737661	0.4700056	0.3450773	0.6162072	-0.890785
5503000000	0.628318531	2.14675498	-6.29628317	-6.083924563	-10.01098823	-3.970146659	0.4843796	0.496368	0.315828	0.6331297	-0.31078
5503000000	0.628318531	2.199114858	-5.011732955	-6.410099664	-11.20894425	-4.324793226	0.5615822	0.4780739	0.2751394	0.6077995	-0.342844
5503000000	0.628318531	2.251474735	-5.271858834	-7.628529573	-12.27091385	-5.393422951	0.5450132	0.4155024	0.243475	0.5374386	-1.202484
5503000000	0.628318531	2.303834613	-6.500398841	-9.515116357	-12.453283	-6.506290251	0.4731295	0.334383	0.2384162	0.4728087	-2.390946
5503000000	0.628318531	2.35619449	-7.883671224	-11.47833925	-11.98493316	-6.44912146	0.403748	0.2667369	0.2516247	0.4759309	-3.111902
5503000000	0.628318531	2.408554368	-9.347254097	-12.59184798	-11.55973809	-5.512482869	0.3409081	0.234643	0.2642488	0.530122	-3.286683
5503000000	0.628318531	2.460914245	-11.80194919	-12.67390349	-11.52655208	-4.899557912	0.2569819	0.2322923	0.2652573	0.5688819	-3.586689
5503000000	0.628318531	2.513274123	-16.26658931	-13.24302631	-11.997115	-5.072776697	0.1536988	0.2176951	0.2512721	0.5576493	-4.580639
5503000000	0.628318531	2.565634	-20.43588038	-16.27244537	-12.98300635	-5.97842356	0.0951056	0.1535952	0.2243105	0.5024338	-6.236543
5503000000	0.628318531	2.617993878	-16.01453358	-13.57072516	-14.42302166	-7.232661462	0.1582244	0.0662924	0.1900417	0.4348775	-7.437987
5503000000	0.628318531	2.670353756	-12.3732983	-17.93545701	-15.53620986	-7.959362477	0.2406219	0.1268315	0.167182	0.3999741	-6.607996
5503000000	0.628318531	2.722113633	-10.36991661	-13.98756746	-14.52565928	-7.549083498	0.3034029	0.199812	0.1878093	0.4193202	-5.114262
5503000000	0.628318531	2.775073511	-9.226255836	-14.10224174	-12.3177556	-6.841327613	0.3456903	0.1971914	0.2472363	0.4549185	-4.116958
5503000000	0.628318531	2.827433388	-8.823145582	-17.2835544	-10.20196088	-6.753514033	0.3621118	0.1367169	0.3089598	0.495941	-3.962808
5503000000	0.628318531	2.879793266	-9.367091434	-19.70893748	-9.450705297	-7.474994113	0.3401304	0.1034078	0.3368719	0.4229123	-4.412961
5503000000	0.628318531	2.932153143	-10.6277139	-17.81656922	-10.335401	-8.90455218	0.2941808	0.1285794	0.3043147	0.5388205	-5.30484
5503000000	0.628318531	2.984513021	-11.80413603	-17.9608751	-13.39113085	-11.16742832	0.2569172	0.1264609	0.2140146	0.2764576	-7.191858
5503000000	0.628318531	3.03687899	-13.14814055	-22.2373945	-19.09004428	-14.6928134	0.2200863	0.0772917	0.1110447	0.1842288	-10.56461
5503000000	0.628318531	3.089232776	-16.36505785	-43.73108395	-21.36367123	-19.03216989	0.1519662	0.065008	0.0854705	0.1117871	-14.99815
5503000000	0.628318531	3.141592654	-24.03857057	-21.42039339	-18.06654231	-21.99383206	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.680678408	-3.141592654	-24.03857015	-21.42039331	-18.06654229	-21.99383254	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.680678408	-3.089232776	-25.80536263	-16.53208221	-16.02109874	-27.61378087	0.0512545	0.1490719	0.1581048	0.0416209	-13.97827
5503000000	0.680678408	-3.03687899	-20.3778279	-14.94270394	-15.28789175	-27.29642648	0.0957433	0.1790049	0.1720305	0.0431697	-12.21759
5503000000	0.680678408	-2.984513021	-19.65481341	-15.24536483	-15.41957263	-17.76236677	0.1040541	0.1728748	0.1694421	0.1293943	-10.81584
5503000000	0.680678408	-2.932153143	-22.87778539	-15.37116208	-16.41449188	-13.64284883	0.0717977	0.1703891	0.1511038	0.0790915	-10.44033
5503000000	0.680678408	-2.879793266	-26.35897519	-13.20284159	-19.54431879	-12.22990424	0.0480896	0.2187046	0.1053863	0.2464672	-10.2176
5503000000	0.680678408	-2.827433388	-17.87430652	-10.726181	-23.74907615	-13.60381342	0.1277276	0.2908647	0.0649451	0.2088379	-9.21377
5503000000	0.680678408	-2.775073511	-14.34557858	-9.13443652	-17.48090871	-20.42635127	0.1917437	0.349364	0.1336456	0.0952103	-8.291196
5503000000	0.680678408	-2.722713633	-14.01553925	-8.93763136	-13.69203319	-21.96411443	0.1991696	0.3804265	0.2067275	0.0797617	-7.269026
5503000000	0.680678408	-2.670353756	-14.98205225	-8.460806082	-11.80424422	-13.2046632	0.1781958	0.3737532	0.2558343	0.2186587	-5.76195
5503000000	0.680678408	-2.617993878	-14.23627918	-9.381130426	-9.662351642	-10.89189631	0.1941717	0.3959811	0.3287626	0.2853679	-4.822645
5503000000	0.680678408	-2.565634	-12.68339427	-10.79833048	-7.254704388	-11.41591883	0.2321829	0.2884586	0.4337753	0.2686606	-4.271521
5503000000	0.680678408	-2.513274123	-12.34998812	-11.19636025	-7.70499775	-12.89330591	0.2412685	0.1755383	0.5183523	0.226369	-4.000803
5503000000	0.680678408	-2.460914245	-13.34897994	-9.787967955	-5.14603199	-12.30017012	0.2150557	0.3240422	0.552966	0.2426563	-3.512795
5503000000	0.680678408	-2.408554368	-14.9811163	-8.108458744	-5.037289607	-10.26131576	0.178215	0.393167	0.5599323	0.3068557	-2.864395
5503000000	0.680678408	-2.35619449	-15.17738032	-6.981012534	-10.701225488	-8.490787858	0.1742332	0.4476011	0.5820211	0.3762362	-2.046624
5503000000	0.680678408	-2.303834613	-13.02745809	-6.371460388	-4.031784547	-7.029333983	0.2231655	0.4802053	0.6286527	0.4451776	-1.025868
5503000000	0.680678408	-2.251474735	-10.99899776	-6.076957939	-3.489846944	-5.799384717	0.2818708	0.4967663	0.6691256	0.5128977	-0.172552
5503000000	0.680678408	-2.199114858	-10.25744557	-5.952188197	-3.241068741	-4.879691885	0.3069925	0.5093936	0.674445	0.5701845	0.2380694
5503000000	0.680678408	-2.14675498	-10.82560937	-5.892637892	-3.737920508	-4.261704815	0.2875541	0.5074206	0.6502854	0.6122302	0.2461559
5503000000	0.680678408	-2.094395102	-11.95501345	-5.761982802	-3.937248536	-3.806454023	0.252493	0.515111	0.6355322	0.6451747	0.2073176
5503000000	0.680678408	-2.042035225	-11.79782884	-5.459843554	-3.716328474	-3.440413834	0.2571038	0.5333445	0.6519039	0.6729446	0.4868264
5503000000	0.680678408	-1.989675347	-10.2180457	-5.046910218	-3.495194805	-3.282379403	0.3083882	0.5593125	0.6687138	0.6853005	0.9131665
5503000000	0.680678408	-1.93731547	-8.879856414	-4.683417429	-3.69767941	-3.473117358	0.3597553	0.5832156	0.6533051	0.6704156	1.0872487
5503000000	0.680678408	-1.884955592	-8.206136483	-4.461709865	-4.112736539	-3.960238709	0.3887704	0.5829238	0.622819	0.6338523	0.998833
5503000000	0.680678408	-1.832595715	-7.708706611	-4.338872145	-3.927386129	-4.479914799	0.4116846	0.6068151	0.6362542	0.5970411	1.0299777
5503000000	0.680678408	-1.780235837	-6.862694966	-4.205230832	-3.755209784	-4.779219751	0.4538008	0.6162238	0.7281813	0.5768183	1.4927068
5503000000	0.680678408	-1.72787596	-5.816220056	-4.011997123	-3.77788362	-4.902657591	0.5119046	0.6300865	0.8631888	0.5686789	2.1910943
5503000000	0.680678408	-1.675516082	-4.987755018	-3.799185812	-3.57022119	-5.101963817	0.5631346	0.6457148	0.9820846	0.5557786	2.7556644
5503000000	0.680678408	-1.623156204	-4.418979521	-3.601301521	-3.42667711	-5.365537852	0.6012444	0.6605594	1.0501066	0.5391668	3.0796862
5503000000	0.680678408	-1.570796327	-3.812799983	-3.394235969	-3.272349016	-5.078499059	0.6447035	0.6765318	1.0681136	0.557282	3.3659148
5503000000	0.680678408	-1.518436449	-3.015101399	-3.141055863	-3.494453231	-3.782434376	0.706716	0.6965418	1.0585775	0.6469613	3.8312463
5503000000	0.680678408	-1.466076572	-2.273850715	-2.855583976	-3.39942206	-2.092445795	0.7696751	0.7198148	1.0399132	0.7859189	4.3899147
5503000000	0.680678408	-1.413716694	-1.884285921	-2.604830843	-3.122705913	-0.657797877	0.8049811	0.7408981	1.0142273	0.9270648	4.8286858
5503000000	0.680678408	-1.361356817	-1.84253975	-2.439206208	-1.07631231	-0.424973964	0.8088594	0.7551612	0.9799027	1.0501436	5.0911232
5503000000	0.680678408	-1.308996399	-1.730393328	-2.321440367	-0.467884292	-1.32594502	0.8193705	0.7654697	0.947558	1.1649231	5.3371348
5503000000	0.680678408	-1.256637061	-1.024915757	-2.149734632	-0.568454						

5503000000	0.680678408	1.466076572	-0.182496562	-0.644135996	-3.425269222	-1.897965639	0.9792085	0.9285241	0.674119	0.8037143	4.5720256
5503000000	0.680678408	1.518436449	-0.512843637	-1.02731138	-4.772095855	-2.110168945	0.9426659	0.8884529	0.5772377	0.7843169	4.0624902
5503000000	0.680678408	1.570796327	-0.696509761	-1.469220164	-6.590147977	-1.9498	0.9229422	0.844382	0.468266	0.7989323	3.6212075
5503000000	0.680678408	1.623156204	-0.776800198	-2.128971681	-8.396888878	-1.615799882	0.9144501	0.7826209	0.3803256	0.8302521	3.2503286
5503000000	0.680678408	1.675516082	-1.014683282	-3.198843149	-9.039448746	-1.412605626	0.8897456	0.6919231	0.3532056	0.8499037	2.8752116
5503000000	0.680678408	1.72787596	-1.545160775	-4.727860753	-5.849049404	-1.500338343	0.8370318	0.5802391	0.373721	0.8413624	2.3862868
5503000000	0.680678408	1.780235837	-2.074494393	-6.362282779	-8.169799042	-1.830281862	0.7875448	0.480713	0.3904002	0.8100017	1.8286246
5503000000	0.680678408	1.832595715	-2.065664386	-7.279467135	-8.38738855	-2.26585237	0.7883458	0.4325404	0.3807201	0.7703842	1.6816592
5503000000	0.680678408	1.884955592	-1.704966177	-7.235758743	-8.849143574	-2.771887867	0.8217727	0.4347224	0.3610296	0.7267844	1.3796977
5503000000	0.680678408	1.93731547	-1.833148418	-6.937736224	-8.897924648	-3.427092155	0.8097344	0.4498971	0.3590077	0.6739775	1.186029
5503000000	0.680678408	1.989675347	-3.095822756	-6.747048849	-8.565899971	-4.185581762	0.7001786	0.4598832	0.3729967	0.6176194	0.6309077
5503000000	0.680678408	2.042035225	-5.800344258	-6.484023428	-8.484151618	-4.664238351	0.5128411	0.4740224	0.3765238	0.5845048	-0.229302
5503000000	0.680678408	2.094395102	-8.836493584	-6.0946457	-9.015178673	-4.539691832	0.3615558	0.4957375	0.3541939	0.5929464	-0.893782
5503000000	0.680678408	2.14675498	-8.118766824	-5.952876378	-10.21262581	-4.223636958	0.3927007	0.5039137	0.3085807	0.6149193	-0.818626
5503000000	0.680678408	2.199114858	-6.107628647	-6.468416874	-11.9522693	-4.35157738	0.4950152	0.4748748	0.2525728	0.6059282	-0.779218
5503000000	0.680678408	2.251474735	-5.407320591	-7.795555879	-13.54792794	-5.069661685	0.5365794	0.4075888	0.2101859	0.5578493	-1.349493
5503000000	0.680678408	2.303834613	-5.748825248	-9.824836866	-13.84389637	-5.840432898	0.5158919	0.3226697	0.2031446	0.5104796	-2.201726
5503000000	0.680678408	2.35619449	-6.4565153897	-12.29709204	-13.20085313	-5.845232642	0.4755458	0.2427423	0.2187547	0.5101975	-2.809787
5503000000	0.680678408	2.408554368	-7.388964257	-14.69234901	-12.66172346	-5.235801618	0.4271218	0.1842394	0.2327629	0.5472804	-3.151531
5503000000	0.680678408	2.460914245	-13.89900022	-15.89108567	-12.49600364	-4.805400526	0.3491809	0.1604892	0.2372465	0.5750823	-3.595978
5503000000	0.680678408	2.513274123	-12.5994641	-16.6068236	-12.66720063	-4.956025943	0.2344373	0.1477947	0.2326162	0.5651955	-4.582638
5503000000	0.680678408	2.565634	-19.17312703	-19.76691989	-13.14153003	-5.723510787	0.1099876	0.1027198	0.2202538	0.5173977	-6.462847
5503000000	0.680678408	2.617993878	-19.83634533	-24.65015319	-13.7877641	-6.85208935	0.101902	0.0585453	0.2046637	0.4543552	-7.752098
5503000000	0.680678408	2.670335756	-13.89385184	-17.92401933	-14.05087737	-7.591735506	0.2019796	0.1269986	0.198361	0.4172662	-6.515591
5503000000	0.680678408	2.721271363	-10.74465384	-15.01696104	-13.22780943	-7.355601097	0.2902467	0.177481	0.2180768	0.4287656	-5.078451
5503000000	0.680678408	2.775073511	-9.006890314	-16.05407378	-11.59232224	-6.858318365	0.354532	0.1575057	0.2632594	0.4540295	-4.227254
5503000000	0.680678408	2.827433388	-8.399564687	-20.23518051	-10.0672895	-6.912165606	0.3802085	0.0973287	0.3137874	0.4057458	-4.137676
5503000000	0.680678408	2.879793266	-9.024517738	-19.53821424	-9.462238429	-7.679198976	0.358133	0.1054604	0.3364249	0.4130856	-4.373625
5503000000	0.680678408	2.932515143	-10.51772965	-16.67844655	-10.41004185	-9.041616895	0.2979295	0.146581	0.3016323	0.3531174	-5.198589
5503000000	0.680678408	2.984513021	-11.7914627	-17.22301069	-13.545237323	-11.24104404	0.2572923	0.1376732	0.2102502	0.2741245	-7.137461
5503000000	0.680678408	3.036872899	-13.02696222	-22.02390113	-19.52180069	-14.74552859	0.2231783	0.0792145	0.1056598	0.2831149	-10.58639
5503000000	0.680678408	3.089232776	-16.18884038	-43.58058009	-21.86598059	-19.01745233	0.1550808	0.0066217	0.0806687	0.1119766	-15.032
5503000000	0.680678408	3.141592654	-24.03857015	-21.42039331	-18.06654229	-21.99383254	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.733038286	1.511592654	-24.03857056	-21.42039325	-18.06654241	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.733038286	-3.089232776	-25.61622164	-16.61981064	-15.86923504	-28.01209933	0.0523828	0.1475739	0.1608934	0.0397553	-13.96626
5503000000	0.733038286	-3.036872899	-20.36656474	-14.81595087	-15.17517879	-26.66214233	0.0958676	0.1816362	0.1742774	0.0464401	-12.07215
5503000000	0.733038286	-2.984513021	-19.75014902	-14.74235314	-16.87494377	-17.10230269	0.1029183	0.1831848	0.1681223	0.1395998	-10.54747
5503000000	0.733038286	-2.932515143	-22.67859541	-14.92121223	-16.76593601	-12.7680576	0.0734633	0.1794483	0.145112	0.2299308	-10.06204
5503000000	0.733038286	-2.879793266	-26.18209926	-13.39795352	-20.28734881	-11.06857472	0.0490789	0.2188606	0.0967459	0.279622	-9.906596
5503000000	0.733038286	-2.827433388	-18.65815939	-11.0996418	-23.8685174	-11.95436043	0.1167057	0.2782927	0.0640608	0.252512	-8.976234
5503000000	0.733038286	-2.775073511	-15.27056137	-9.383783545	-17.13745076	-16.84798332	0.1723741	0.3394474	0.1390361	0.1437477	-8.017244
5503000000	0.733038286	-2.722713633	-14.94702624	-8.440292735	-13.50826565	-22.0142499	0.1789158	0.3784298	0.2111479	0.0793026	-7.454771
5503000000	0.733038286	-2.670335756	-14.93268031	-8.321242723	-11.71204727	-13.77984759	0.1792115	0.3863524	0.2593868	0.2046481	-5.790047
5503000000	0.733038286	-2.617993878	-12.87277733	-9.808545192	-9.532502395	-11.11386207	0.2271754	0.3515384	0.3337143	0.2781678	-4.505312
5503000000	0.733038286	-2.565634	-11.13066597	-10.45067758	-7.086560869	-11.42213456	0.2776302	0.3002383	0.4422542	0.2684682	-3.818299
5503000000	0.733038286	-2.513274123	-10.94734665	-11.19589739	-5.507515215	-13.12866929	0.283552	0.275553	0.5304253	0.2250802	-3.674442
5503000000	0.733038286	-2.460914245	-12.29078386	-10.2067241	-4.934626688	-13.66061575	0.2429186	0.3087904	0.5665898	0.2074766	-3.5712
5503000000	0.733038286	-2.408554368	-15.13880872	-8.593461421	-12.30276101	-12.30276101	0.1750087	0.371815	0.5718494	0.2425839	-3.341797
5503000000	0.733038286	-2.35619449	-17.69656271	-7.341196201	-4.951189027	-10.64580029	0.1303683	0.4294773	0.5894413	0.2935689	-2.836142
5503000000	0.733038286	-2.303834613	-14.22780767	-6.555162571	-4.002644404	-9.08037075	0.1943612	0.4701559	0.6307653	0.3515454	-1.687636
5503000000	0.733038286	-2.251474735	-10.47711602	-6.109563727	-3.523253901	-7.664696632	0.2993258	0.494905	0.666557	0.4137759	-0.562596
5503000000	0.733038286	-2.199114858	-8.733637546	-5.905437419	-3.511058922	-6.510638427	0.3658627	0.5066730	0.6674935	0.4752721	-0.054557
5503000000	0.733038286	-2.14675498	-8.822012739	-5.857684405	-3.915507861	-5.605053171	0.3625191	0.5094667	0.6371249	0.5245022	-0.134282
5503000000	0.733038286	-2.094395102	-10.65636481	-5.821758089	-4.260877554	-4.835245726	0.293212	0.5115783	0.6122885	0.5731096	-0.042716
5503000000	0.733038286	-2.042035225	-13.77774745	-5.642512085	-4.19337314	-4.203004195	0.2046975	0.5222451	0.6170656	0.6163818	-0.13735
5503000000	0.733038286	-1.989675347	-14.7162428	-5.303162288	-4.076272178	-3.894723047	0.1837333	0.5430526	0.6257003	0.6386514	-0.038574
5503000000	0.733038286	-1.93731547	-12.49820387	-4.929711484	-4.327095327	-4.086706322	0.2371864	0.5669104	0.6076384	0.6246902	-0.1567703
5503000000	0.733038286	-1.884955592	-10.66194581	-4.628572304	-4.756914059	-4.575612032	0.2930237	0.5869098	0.5787007	0.5783148	-0.1590031
5503000000	0.733038286	-1.832595715	-9.229767979	-4.386551218	-4.520930103	-5.607942818	0.3455506	0.6034933	0.5942285	0.5243278	-0.2887311
5503000000	0.733038286	-1.780235837	-7.680573891	-4.123093275	-3.267035254	-6.14982257	0.4130022	0.6202078	0.6865122	0.4926164	-0.8838449
5503000000	0.733038286	-1.72787596	-6.272261664	-3.811615127	-1.706480917	-6.119620541	0.485721	0.6447914	0.8216362	0.4943323	-1.7502367
5503000000	0.733038286	-1.675516082	-5.368670956	-3.510494595	-0.521339818	-5.713838804	0.5389723	0.6675369	0.9417444	0.5179741	-2.4973448
5503000000	0.733038286	-1.623156204	-4.908585128	-3.277406937	0.049000062	-5.073043532	0.568291	0.6856929	1.0109857	0.5576322	-2.9923921
5503000000	0.733038286	-1.570796327	-4.455617672	-3.105670912	0.294505229	-4.040883308	0.5987136	0.6993852	1.0285733	0.6279945	-3.3895699
5503000000	0.733038286	-1.518436449	-3.649488365	-2.94597844	0.147377827	-2.646293097	0.6569398	0.7123625	1.0171123	0.7373698	-3.8730212
5503000000	0.733038286	-1.466076572	-2.702625055	-2.770199143	-0.021501281	-1.257642646	0.7326031	0.7269527	0.9975276	0.8652027	-4.4080702
5503000000	0.733038286	-1.4137136694	-2.067658563	-2.60764811	-0.223553862	-0.148566142	0.7881649	0.7406578	0.9745908	0.9830411	-4.8270804
5503000000	0.733038286	-1.3615368517	-1.920272412	-2.506110							

5503000000	0.733038286	1.361356817	-0.110120289	0.057152081	-2.645847867	-0.580363478	0.987402	1.0066016	0.7374076	0.9353665	5.2650916
5503000000	0.733038286	1.413716694	0.077978227	-0.328168443	-3.202572938	-0.79313411	1.009018	0.962923	0.6822972	0.912732	5.0253899
5503000000	0.733038286	1.466076572	-0.032014025	-0.867193781	-4.20145437	-1.099162347	0.996321	0.9049828	0.6164918	0.8811338	4.606243
5503000000	0.733038286	1.518436449	-0.337949176	-1.457571967	-5.501489537	-1.215963687	0.9618394	0.8455152	0.5307934	0.8693911	4.102839
5503000000	0.733038286	1.570796327	-0.623922792	-2.077430669	-7.047455908	-1.053891782	0.9306875	0.7872786	0.4442498	0.8857383	3.6595686
5503000000	0.733038286	1.623156204	-0.819039936	-2.89607275	-8.033313733	-0.795236136	0.9100139	0.7164673	0.3965832	0.9125112	3.332652
5503000000	0.733038286	1.675516082	-1.102323441	-4.21525569	-9.932436974	-0.7052122	0.8808132	0.615513	0.4012159	0.922018	2.9830272
5503000000	0.733038286	1.72787596	-1.682591207	-6.329613927	-7.572512128	-0.920445087	0.823893	0.4825244	0.4181907	0.8994515	2.3588718
5503000000	0.733038286	1.780235837	-2.450434589	-9.232622454	-7.745696455	-1.383641148	0.7541857	0.345547	0.4099352	0.8572426	1.4461026
5503000000	0.733038286	1.832595715	-2.823001844	-11.36292192	-8.458010098	-1.947751763	0.7252201	0.2793049	0.3776587	0.7991208	0.7070112
5503000000	0.733038286	1.884955592	-2.515905872	-10.4743536	-9.014894505	-2.568612431	0.7485222	0.2934021	0.3542055	0.7439999	0.6125791
5503000000	0.733038286	1.93731547	-2.228134921	-8.715109917	-6.864373522	-3.332156257	0.7737368	0.3666439	0.3679437	0.6813844	0.7871723
5503000000	0.733038286	1.989675347	-2.7505645	-7.525079467	-7.90465676	-4.205141035	0.7285708	0.4204807	0.4025012	0.6162302	0.6997155
5503000000	0.733038286	2.042035225	-4.510335574	-6.797955273	-7.497641918	-4.781517296	0.5949538	0.4571958	0.421811	0.5766657	0.2171305
5503000000	0.733038286	2.094395102	-7.429073081	-6.352864802	-7.779923983	-4.6644359	0.4251541	0.4812345	0.408323	0.5844915	-0.449172
5503000000	0.733038286	2.14675498	-9.181176818	-6.303137415	-8.81518561	-4.245695363	0.3474891	0.4839975	0.3624438	0.6133597	-0.880042
5503000000	0.733038286	2.199114858	-7.713944011	-6.858314642	-10.07287104	-4.193822538	0.4114365	0.4540297	0.2926553	0.6170337	-1.035873
5503000000	0.733038286	2.251474735	-6.233764286	-8.059424695	-13.18424763	-4.688860549	0.4878786	0.3953928	0.2191733	0.5828502	-1.487082
5503000000	0.733038286	2.303834613	-5.698550827	-9.780551438	-15.07920947	-5.30007049	0.5188866	0.324319	0.1762136	0.5413768	-2.153677
5503000000	0.733038286	2.35619449	-5.751792724	-12.07497351	-15.08712121	-5.501092694	0.5157157	0.2409298	0.1760532	0.5308177	-2.664708
5503000000	0.733038286	2.408554368	-6.276599784	-15.36802333	-14.395127123	-5.12782145	0.4854785	0.194507	0.190653	0.5056313	-3.115345
5503000000	0.733038286	2.460914245	-7.61042916	-19.30480375	-13.86148275	-4.876565202	0.4163691	0.1083328	0.2027337	0.5703898	-3.756275
5503000000	0.733038286	2.513274123	-10.336704	-21.4352557	-13.5936121	-4.946883885	0.3042039	0.084769	0.2103933	0.5657907	-4.692911
5503000000	0.733038286	2.565634	-15.48012611	-23.51037956	-13.40746051	-5.534903457	0.168265	0.0667546	0.2136082	0.5287554	-6.219303
5503000000	0.733038286	2.617993878	-22.0817631	-22.34009504	-13.28374046	-6.513639131	0.0786886	0.0763827	0.2166771	0.4724089	-7.492132
5503000000	0.733038286	2.670353756	-16.07178146	-17.48151044	-12.86721624	-7.243435533	0.1571849	0.1368663	0.2273208	0.4343384	-6.443478
5503000000	0.733038286	2.722713633	-11.54458103	-15.86945333	-12.10844249	-6.167319534	0.2647104	0.1038934	0.2480721	0.4831613	-5.099808
5503000000	0.733038286	2.775073511	-9.032502483	-17.86894313	-11.085373698	-6.884072575	0.3534882	0.1278065	0.27907	0.4526853	-4.343027
5503000000	0.733038286	2.827433388	-8.085681748	-21.4067982	-10.01460772	-7.102934742	0.3941994	0.0850472	0.3156963	0.4414213	-4.177672
5503000000	0.733038286	2.879793266	-8.680818813	-17.75838249	-9.567937877	-7.886670582	0.3680943	0.1294437	0.3323557	0.4033355	-4.199724
5503000000	0.733038286	2.932153143	-10.34319888	-15.44416649	-10.5309832	-9.169301605	0.3039765	0.168963	0.2971975	0.3479645	-5.050975
5503000000	0.733038286	2.984513021	-11.73009397	-16.5318929	-13.6663066	-11.30420502	0.2591166	0.1490752	0.2073408	0.2721384	-7.055556
5503000000	0.733038286	3.036872899	-12.89357392	-21.82312502	-19.7719303	-14.79504683	0.226632	0.0810669	0.1026605	0.1820739	-10.56781
5503000000	0.733038286	3.089323776	-16.02116145	-41.27920932	-22.31965259	-19.00037436	0.1581037	0.0086306	0.0765627	0.112197	-15.00396
5503000000	0.733038286	3.141592654	-24.03857056	-21.42039325	-18.06654241	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.785398163	-3.141592654	-24.03857049	-21.42039322	-18.06654242	-21.99383247	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.785398163	-3.089232776	-25.44827006	-16.72067235	-15.72563381	-28.35184901	0.0534056	0.1458701	0.1635755	0.0382303	-13.95595
5503000000	0.785398163	-3.036872899	-20.36358368	-14.71290649	-15.08103957	-26.2035082	0.0959005	0.1838039	0.1761765	0.0489581	-11.95754
5503000000	0.785398163	-2.984513021	-19.5739008	-14.2747788	-15.59631661	-16.65894923	0.1028325	0.193313	0.1660291	0.1469104	-10.32704
5503000000	0.785398163	-2.932153143	-22.01897166	-14.36310195	-17.91314449	-12.7174262	0.0792595	0.1913572	0.1381474	0.2462797	-9.695192
5503000000	0.785398163	-2.879793266	-25.09445562	-13.37737465	-21.01383323	-10.25830253	0.0556259	0.2143538	0.0889833	0.3069622	-9.552091
5503000000	0.785398163	-2.827433388	-19.79117766	-11.41651386	-23.23473647	-10.75276709	0.1024333	0.2686422	0.0689098	0.2899757	-8.754606
5503000000	0.785398163	-2.775073511	-16.80354444	-9.664549503	-16.73136229	-14.31692461	0.144485	0.3286794	0.145688	0.1923773	-8.737723
5503000000	0.785398163	-2.722713633	-16.65163219	-8.584531495	-13.34561026	-18.79427988	0.1470342	0.3271975	0.2152118	0.1114891	-7.439945
5503000000	0.785398163	-2.670353756	-15.41678872	-8.311359553	-11.62045632	-13.87733675	0.1694964	0.3840891	0.2624081	0.202364	-8.562594
5503000000	0.785398163	-2.617993878	-12.16404877	-8.891724983	-9.449170908	-11.20786878	0.246489	0.3959264	0.3369314	0.2751735	-4.308668
5503000000	0.785398163	-2.565634	-10.12542009	-10.08171333	-7.006736588	-11.26770625	0.3116944	0.3132668	0.4463373	0.2732843	-3.448849
5503000000	0.785398163	-2.513274123	-9.693666637	-10.91187828	-12.89676437	-10.08471312	0.3275795	0.2847349	0.5361743	0.2265488	-3.254309
5503000000	0.785398163	-2.460914245	-10.41308077	-10.33674678	-4.838037533	-14.46741312	0.3015407	0.3042054	0.5729231	0.1890729	-3.300534
5503000000	0.785398163	-2.408554368	-11.94690514	-8.981972011	-4.816293195	-14.56861606	0.2527288	0.5355006	0.5743615	0.1688827	-3.289209
5503000000	0.785398163	-2.35619449	-13.81131202	-7.771901936	-4.693693113	-13.55679709	0.2039081	0.4087030	0.582526	0.2099714	-3.06642
5503000000	0.785398163	-2.303834613	-13.37327794	-6.928544034	-4.26042195	-12.05494747	0.214455	0.4503735	0.6123206	0.2496046	-2.34522
5503000000	0.785398163	-2.251474735	-10.52328928	-6.3992316	-3.897383115	-10.44143282	0.2977389	0.4786724	0.6384558	0.300558	-1.333164
5503000000	0.785398163	-2.199114858	-8.508315475	-6.124510919	-3.797036551	-8.932505567	0.3574778	0.494054	0.632482	0.3575812	-0.632322
5503000000	0.785398163	-2.14675498	-8.145360004	-6.049745405	-4.481335068	-7.528678105	0.3915002	0.4983251	0.5969435	0.4203065	-0.413243
5503000000	0.785398163	-2.094395102	-9.589895841	-6.055942209	-4.866631516	-6.165549726	0.3315165	0.4979697	0.5690736	0.4917253	-0.490054
5503000000	0.785398163	-2.042035225	-13.16029988	-5.973493124	-4.79628748	-4.948654749	0.2197784	0.5027191	0.5756859	0.5656754	-0.61234
5503000000	0.785398163	-1.989675347	-17.72022851	-5.71675867	-4.126425614	-5.0912272	0.1300135	0.5178	0.5912272	0.6128401	-0.626229
5503000000	0.785398163	-1.93731547	-15.86188901	-5.354920633	-4.693630622	-3.853547591	0.1610295	0.5398262	0.5825302	0.6416861	-0.33166
5503000000	0.785398163	-1.884955592	-12.74643365	-4.996443582	-4.049762746	-5.019672746	0.2305039	0.5625716	0.5610688	0.6273528	-0.080731
5503000000	0.785398163	-1.832595715	-10.62900117	-4.663604854	-4.784554423	-4.375388923	0.2941372	0.5845474	0.5764461	0.6042693	0.5242905
5503000000	0.785398163	-1.780235837	-8.767153716	-4.308790751	-3.590104126	-4.390889192	0.3644537	0.6092803	0.6614466	0.603192	0.9766504
5503000000	0.785398163	-1.72787596	-7.259006499	-3.919658324	-2.064096821	-3.974591672	0.4335605	0.6368206	0.7884881	0.6328051	1.9092277
5503000000	0.785398163	-1.675516082	-6.384491182	-3.55967321	-3.39832826	-3.99382826	0.4794855	0.636768	0.9019996	0.6762131	2.6754591
5503000000	0.785398163	-1.623156204	-6.065106685	-3.298463939	-3.064882786	-2.880237313	0.4974445	0.6840326	0.9653295	0.7177747	3.1206233
5503000000	0.785398163	-1.570796327	-5.796008437	-3.143903192	-1.93627869	-2.374647808	0.5130971	0.6963135	0.9779544	0.7607949	3.3704211
5503000000	0.785398163	-1.518436449	-4.978492707	-3.0454447	-3.143888576	-1.762122805	0.5637355	0.7042515	0.9643964	0.8163828	3.6618824
5503000000	0.785398163	-1.466076572	-3.750091021	-2.948781102	-4.068186857	-1.076549					

5503000000	0.785398163	1.256637061	-0.376911757	0.360820194	-1.696143125	-1.538189686	0.9575345	1.0424159	0.8226078	0.8377039	5.2496436
5503000000	0.785398163	1.308996939	-0.542950908	0.151851226	-1.22489847	-1.073558903	0.9394041	1.0176362	0.7829879	0.883735	5.1625965
5503000000	0.785398163	1.361356817	-0.457123755	-0.18396634	-2.312136607	-0.895209116	0.9487326	0.9790428	0.76629	0.9020686	5.0961173
5503000000	0.785398163	1.413716694	-0.329663029	-0.739571887	-2.462931459	-1.023828007	0.9627574	0.9183779	0.7531014	0.8888093	4.9177661
5503000000	0.785398163	1.466076572	-0.36916187	-1.495360209	-2.889632427	-1.25662569	0.9583892	0.8418447	0.7169987	0.865304	4.5642503
5503000000	0.785398163	1.518436449	-0.603175078	-2.315109943	-3.681440611	-1.336298373	0.9329132	0.7660278	0.6545276	0.8574032	4.1118592
5503000000	0.785398163	1.570796327	-0.900543042	-3.077839079	-4.594248377	-1.18418174	0.9015148	0.7016298	0.5892337	0.8725512	3.7078098
5503000000	0.785398163	1.623156204	-1.160804053	-3.873775609	-5.207828293	-0.970655929	0.8749028	0.6401394	0.5490424	0.894267	3.4005543
5503000000	0.785398163	1.675516082	-1.474641129	-5.014010358	-5.509106467	-0.8438552	0.8438552	0.561435	0.5303281	0.8975502	3.0248884
5503000000	0.785398163	1.72787596	-2.046695997	-6.865804434	-6.022112998	-1.201029142	0.7900693	0.4356384	0.4999129	0.8708604	2.3217099
5503000000	0.785398163	1.780235837	-2.929668658	-9.654701052	-7.179384642	-1.671751518	0.7137014	0.2902303	0.4375531	0.8249211	1.2336777
5503000000	0.785398163	1.832595715	-3.72425148	-12.52732355	-8.86596392	-2.180458257	0.6513095	0.2363926	0.3603298	0.7779955	0.1123604
5503000000	0.785398163	1.884955592	-3.781652991	-12.26938631	-9.923412082	-2.689182257	0.6470195	0.2435178	0.3190284	0.7337378	-0.249787
5503000000	0.785398163	1.93731547	-3.297866064	-10.01073499	-9.128954923	-3.311079755	0.6840797	0.3158372	0.3495846	0.6830398	1.4018174
5503000000	0.785398163	1.989675347	-3.155466504	-8.307008557	-7.623001929	-4.039403041	0.6953872	0.3842816	0.4157669	0.6281015	0.5205974
5503000000	0.785398163	2.042035225	-3.960403438	-7.358755604	-6.620782829	-4.523810448	0.6338403	0.4286099	0.4666173	0.5940315	0.5188051
5503000000	0.785398163	2.094395102	-5.94355642	-6.983482392	-6.404271493	-4.1862473	0.5044547	0.4475338	0.4783948	0.6012689	0.1363876
5503000000	0.785398163	2.14675498	-8.57509757	-7.140470259	-7.032859499	-4.607680274	0.3726019	0.4395178	0.4449969	0.6275033	-0.516124
5503000000	0.785398163	2.199114858	-9.319963662	-7.826149219	-8.647288349	-4.00893168	0.3419809	0.4061557	0.369518	0.6303089	-1.169953
5503000000	0.785398163	2.251474735	-7.777863647	-8.865401859	-11.40776698	-4.499254511	0.4084198	0.3603455	0.2689129	0.5957133	-1.758746
5503000000	0.785398163	2.303834613	-6.392019942	-10.06864164	-14.96661283	-5.205504802	0.47907	0.3137386	0.1785128	0.5941927	-2.380791
5503000000	0.785398163	2.35619449	-5.763443976	-11.78783395	-17.1966291	-5.574672758	0.5150244	0.2573999	0.138092	0.52634	-2.877334
5503000000	0.785398163	2.408554368	-5.896072231	-14.92693776	-16.79910392	-5.44511711	0.50722	0.1793301	0.1445589	0.5342495	-3.315666
5503000000	0.785398163	2.460914245	-6.906401076	-20.27493216	-15.67626055	-5.145224525	0.4515231	0.0968843	0.164508	0.5530174	-3.973287
5503000000	0.785398163	2.513274123	-9.044160714	-24.15829544	-15.60475186	-5.051072614	0.353014	0.0619563	0.1844006	0.5590445	-4.743313
5503000000	0.785398163	2.565634	-12.67321794	-22.29716996	-13.90346605	-5.425825357	0.2324551	0.0767612	0.2017562	0.5354374	-6.626563
5503000000	0.785398163	2.617993878	-17.82924787	-19.42510325	-13.07831979	-6.246245145	0.1283919	0.1068427	0.2218626	0.4817781	-6.5818628
5503000000	0.785398163	2.670353756	-17.86053334	-16.77194536	-12.13021792	-6.943129412	0.1279303	0.1455016	0.2474509	0.4496178	-6.28507
5503000000	0.785398163	2.722713633	-12.68777912	-16.27739201	-11.36232733	-6.995443053	0.2320657	0.1530778	0.2703234	0.446918	-5.170547
5503000000	0.785398163	2.775073511	-9.270710833	-18.43994069	-10.77221566	-6.914497519	0.3439256	0.1196749	0.2893271	0.4511024	-4.074854
5503000000	0.785398163	2.827433388	-7.887038723	-19.07431555	-10.10836955	-7.286432575	0.4033184	0.111246	0.3123069	0.421936	-0.19638
5503000000	0.785398163	2.879793266	-8.368331043	-15.62318131	-9.791243936	-8.084346305	0.3815781	0.1655164	0.32392	0.39426	-3.976905
5503000000	0.785398163	2.932153143	-10.12837353	-14.27268746	-10.72385604	-9.279457928	0.3115884	0.1933596	0.2909425	0.3435794	-4.886543
5503000000	0.785398163	2.984513021	-11.62292498	-15.90922356	-13.74788647	-11.35814403	0.2623335	0.1601544	0.2054025	0.2704536	-6.951746
5503000000	0.785398163	3.036872899	-12.74802813	-21.64467579	-19.80489594	-14.84324319	0.2304616	0.0827497	0.1022705	0.1810664	-10.50769
5503000000	0.785398163	3.089232776	-15.86211799	-38.60627561	-22.701614	-18.98086336	0.1610253	0.0117405	0.0732688	0.1124493	-14.93121
5503000000	0.785398163	3.141592654	-24.03857049	-21.42039322	-18.06654249	-21.99383247	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.785398163	3.141592654	-24.03857046	-21.42039344	-18.06654249	-21.99383265	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.837758041	-3.141592654	-25.30053613	-16.83856545	-15.58939991	-28.61800111	0.0543217	0.1439484	0.1661529	0.3070766	-13.9469
5503000000	0.837758041	-3.036872899	-20.35933501	-14.63798623	-15.00138707	-25.91003064	0.0959474	0.1853961	0.1777995	0.0506406	-11.87288
5503000000	0.837758041	-2.984513021	-19.65916784	-13.85438311	-15.73365243	-16.41834409	0.104002	0.2028994	0.1634245	0.1510368	-10.1537
5503000000	0.837758041	-2.932153143	-21.05990258	-13.75976676	-17.68240206	-11.82569982	0.0885126	0.2051217	0.130581	0.2562802	-9.364096
5503000000	0.837758041	-2.879793266	-23.44932245	-13.13759092	-21.70426209	-9.750680461	0.0672255	0.2203538	0.0821839	0.3254363	-9.178412
5503000000	0.837758041	-2.827433388	-21.09092962	-11.57939646	-22.36041608	-9.931415777	0.0881969	0.2636515	0.0762043	0.3187346	-8.556662
5503000000	0.837758041	-2.775073511	-19.07844337	-9.919342127	-16.39878439	-12.59858723	0.1111931	0.319178	0.1513773	0.234461	-7.784568
5503000000	0.837758041	-2.722713633	-19.43810176	-8.78391317	-13.2983187	-16.09794211	0.1066829	0.363752	0.2163137	0.1567122	-7.499301
5503000000	0.837758041	-2.670353756	-16.2855507	-8.410030664	-11.65029403	-13.64904406	0.1533637	0.3797506	0.2615082	0.2077532	-5.999899
5503000000	0.837758041	-2.617993878	-19.1715027	-8.841507249	-9.518299235	-11.25372032	0.2535961	0.3613472	0.3342605	0.2737247	-4.272579
5503000000	0.837758041	-2.565634	-9.603931524	-9.831727525	-7.09897204	-11.01610314	0.3309813	0.3224438	0.4416227	0.2813163	-3.246123
5503000000	0.837758041	-2.513274123	-8.855634396	-10.59165699	-5.499197348	-12.13000851	0.3607599	0.2954405	0.5309335	0.2745469	-2.886257
5503000000	0.837758041	-2.460914245	-8.870657028	-10.27250762	-4.920076348	-13.47039924	0.3601365	0.3046060	0.5675396	0.2120704	-2.81599
5503000000	0.837758041	-2.408554368	-9.213137187	-9.192514691	-4.957061526	-13.99413053	0.3462128	0.3470358	0.5651281	0.1996611	-2.745224
5503000000	0.837758041	-2.35619449	-9.982657293	-8.095272164	-4.980936724	-13.51400091	0.3168598	0.3937643	0.5635769	0.2110085	-2.584845
5503000000	0.837758041	-2.303834613	-10.88362227	-7.257796623	-4.70537078	-12.48696548	0.2856399	0.4336209	0.5817434	0.2374935	-2.278663
5503000000	0.837758041	-2.251474735	-10.66122023	-6.688299343	-4.443190721	-11.22829996	0.2930482	0.4630043	0.5995708	0.274527	-1.776047
5503000000	0.837758041	-2.199114858	-9.523678022	-6.354866903	-4.579564668	-9.764953191	0.3340536	0.4811236	0.5902285	0.324902	-1.258134
5503000000	0.837758041	-2.14675498	-9.027214384	-6.224387748	-5.095740553	-8.116139812	0.3537034	0.4884056	0.5561769	0.3928195	-0.958177
5503000000	0.837758041	-2.094395102	-9.883939144	-6.215353746	-5.419051351	-6.413547417	0.3204816	0.4889138	0.5358552	0.4778842	-0.804225
5503000000	0.837758041	-2.042035225	-12.00616286	-6.187732347	-5.102665713	-4.897887809	0.2510105	0.4904711	0.5557337	0.5689913	-0.601406
5503000000	0.837758041	-1.989675347	-13.51096605	-6.027560206	-4.653585254	-3.820814441	0.2110822	0.4959995	0.5852221	0.6441089	-0.264508
5503000000	0.837758041	-1.93731547	-12.27163201	-5.735044018	-4.632075555	-3.294860044	0.2435458	0.5167111	0.5866732	0.6843165	0.1342639
5503000000	0.837758041	-1.884955592	-10.61953161	-5.385430465	-4.921618523	-3.22085683	0.294458	0.5379334	0.5674389	0.6901717	0.382334
5503000000	0.837758041	-1.832595715	-9.535104349	-5.023258237	-4.824074153	-3.307687593	0.336144	0.5608376	0.5738472	0.6833066	0.6346542
5503000000	0.837758041	-1.780235837	-8.62271894	-4.637966462	-3.811316051	-3.246994136	0.3705838	0.5862754	0.6448136	0.688098	1.1752043
5503000000	0.837758041	-1.72787596	-7.809569974	-4.230919219	-2.362073172	-2.998763285	0.4069317	0.614404	0.7618971	0.7080466	1.9078489
5503000000	0.837758041	-1.675516082	-7.392009047	-3.865574709	-2.129717404	-2.786665377	0.4269721	0.6414625	0.8689887	0.725549	2.4867331
5503000000	0.837758041	-1.623156204	-7.502147437	-3.576405802	-0.663374114	-2.784900614	0.4215923	0.6624906	0.9264699	0.7256964	2.7225127
5503000000	0.837758041	-1.570796327	-7.748896294	-3.402605424	-0.58						

5503000000	0.837758041	1.151917306	0.525071558	1.646317879	-2.189873913	-2.553977404	1.0623156	1.2086927	0.7771526	0.7452485	5.5599946
5503000000	0.837758041	1.204277184	0.136659592	1.228884384	-2.301321073	-2.762463771	1.0158579	1.1519781	0.7672448	0.7275734	5.2553185
55037758041	0.837758041	1.256637061	-0.359743207	0.817362463	-2.485258673	-2.526337437	0.959429	1.0986722	0.751168	0.7476238	5.000816
5503000000	0.837758041	1.308996939	-0.794874429	0.407523339	-2.397606209	-2.17580511	0.9125492	1.0480359	0.7587867	0.7728533	4.8548652
5503000000	0.837758041	1.361356817	-1.060207461	-0.086699688	-2.065467268	-2.035496128	0.8850945	0.9900680	0.7883637	0.7910887	4.7473929
5503000000	0.837758041	1.413716694	-1.163064331	-0.07708924	-2.161563263	-2.161536594	0.8746751	0.9150272	0.8074551	0.7796922	4.5497053
5503000000	0.837758041	1.466076572	-1.234048223	-1.680550027	-2.050775242	-2.371020712	0.8675561	0.8240859	0.7896984	0.7611127	4.1968742
5503000000	0.837758041	1.518436449	-1.385605785	-2.723208791	-2.665671511	-2.409724538	0.8525497	0.730869	0.7357265	0.7577288	3.7415945
5503000000	0.837758041	1.570796327	-1.607393953	-3.70813614	-3.501149334	-2.205191959	0.831056	0.652519	0.6682555	0.7577833	3.3096758
5503000000	0.837758041	1.623156204	-1.842261472	-4.520350361	-4.289938294	-1.932043803	0.8088853	0.5942682	0.6102434	0.8005672	2.9657171
5503000000	0.837758041	1.675516082	-2.122720507	-5.280196902	-5.065444426	-1.8183548	0.7831843	0.5444093	0.5581203	0.8111147	2.5967279
5503000000	0.837758041	1.72787596	-2.590508254	-6.231489193	-6.261046034	-1.943734884	0.7421208	0.4880064	0.4863486	0.7994904	1.9934962
5503000000	0.837758041	1.780235837	-3.376290944	-7.487717268	-8.309588606	-2.194187983	0.6779309	0.4222932	0.3841675	0.7767667	1.0660196
5503000000	0.837758041	1.832595715	-4.377671916	-8.79153969	-10.99275962	-2.415556726	0.6041105	0.3634319	0.2820733	0.7572202	0.0296372
5503000000	0.837758041	1.884955592	-5.025958021	-9.432919717	-11.80947759	-2.630422698	0.5606633	0.3375624	0.2567593	0.7387183	-0.474362
5503000000	0.837758041	1.93731547	-4.782098475	-9.0625286	-9.562044459	-2.993487157	0.5766271	0.3522683	0.3325813	0.7084768	-0.13148
5503000000	0.837758041	1.989675347	-4.160902111	-8.301521061	-7.265124537	-3.527135193	0.6193767	0.3845244	0.4332552	0.6662592	0.4379019
5503000000	0.837758041	2.042035225	-4.060578717	-7.768044097	-5.890217103	-3.969312876	0.6265721	0.4088818	0.5075621	0.6331905	0.7334019
5503000000	0.837758041	2.094395102	-4.998763975	-7.694431521	-9.236466737	-4.08844019	0.5624214	0.4123618	0.5353694	0.6288655	0.5836894
5503000000	0.837758041	2.14675498	-7.166033869	-8.136702453	-5.870054327	-3.892632224	0.4382262	0.3918906	0.5087416	0.6388051	-0.097552
5503000000	0.837758041	2.199114858	-9.842011604	-8.956848746	-5.351907423	-4.043255671	0.3202303	0.3565805	0.428948	0.627823	-1.232689
5503000000	0.837758041	2.251474735	-9.946766751	-9.733380289	-10.08301021	-4.69138039	0.3181718	0.3260851	0.31322	0.5826812	-2.269294
5503000000	0.837758041	2.303834613	-7.903912105	-10.32390889	-14.12913391	-5.565932392	0.4025357	0.3046524	0.1965818	0.5268699	-2.909994
5503000000	0.837758041	2.35619449	-6.49131325	-11.43551319	-18.30553384	-6.089435908	0.4736247	0.2680553	0.1215411	0.4960531	-3.354458
5503000000	0.837758041	2.408554368	-6.174249103	-13.93817546	-19.236466737	-5.993496136	0.4912133	0.2009515	0.1091885	0.5015627	-7.722141
5503000000	0.837758041	2.460914245	-6.856595951	-17.81832846	-17.7870108	-5.554939971	0.4541005	0.1285534	0.1291412	0.5275371	-4.156845
5503000000	0.837758041	2.513274123	-8.421525526	-19.70228717	-16.14345653	-5.727584214	0.3792484	0.103487	0.1558932	0.5477984	-4.535779
5503000000	0.837758041	2.565634	-10.71601547	-18.57146963	-14.69122085	-5.38724629	0.2912053	0.118763	0.1842633	0.5378209	-4.950074
5503000000	0.837758041	2.617993878	-13.72278106	-17.19781848	-13.19593334	-6.059258298	0.205997	0.1380731	0.2188786	0.4977796	-5.508517
5503000000	0.837758041	2.670353756	-16.75150049	-16.02883731	-11.81073314	-6.701824267	0.1453533	0.157964	0.2567222	0.4622839	-5.828834
5503000000	0.837758041	2.722713633	-13.88528004	-16.1069192	-11.00730675	-6.844435403	0.202179	0.1565503	0.2816101	0.4547558	-5.231563
5503000000	0.837758041	2.775073511	-9.664549498	-17.26433902	-10.72488337	-6.94574619	0.3286794	0.1370197	0.2909048	0.4494824	-4.393032
5503000000	0.837758041	2.827433388	-7.796037185	-16.13525337	-10.39756343	-7.461646022	0.4075662	0.1560405	0.3020799	0.4235627	-3.813862
5503000000	0.837758041	2.877993266	-8.109311038	-13.74915422	-10.15064968	-8.261607968	0.3931284	0.2053725	0.3107903	0.3862955	-3.77127
5503000000	0.837758041	2.932515343	-9.899761333	-13.24201011	-10.96396314	-9.369565958	0.3198983	0.2177206	0.28301	0.3400335	-4.726481
5503000000	0.837758041	2.984513021	-11.47756001	-15.37133214	-13.78405513	-11.40634264	0.2667608	0.1703858	0.2045489	0.268957	-6.833546
5503000000	0.837758041	3.036872899	-12.59149166	-12.49679271	-19.62109073	-14.89264836	0.2346526	0.0841706	0.1044589	0.1800394	-10.40962
5503000000	0.837758041	3.089232776	-15.71190996	-36.24181502	-22.98967849	-18.95892146	0.1638342	0.0154138	0.0708788	0.1127337	-14.82581
5503000000	0.837758041	3.141592654	-24.03857046	-21.42039434	-18.06654249	-21.99383265	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.890117919	-3.141592654	-24.03857031	-21.42039323	-18.06654249	-21.99383197	0.0628162	0.0849142	0.1249318	0.0794893	-15.09631
5503000000	0.890117919	-3.089232776	-25.17157553	-16.96657193	-15.46134547	-28.79725153	0.0551342	0.1417884	0.1686292	0.0363193	-13.93865
5503000000	0.890117919	-3.036872899	-20.34462412	-14.59523105	-14.93183357	-25.76824805	0.09611	0.0861191	0.179229	0.051474	-11.81615
5503000000	0.890117919	-2.984513021	-19.44996065	-13.49013082	-15.88464746	-16.37333985	0.1065374	0.2115892	0.1606082	0.1518214	-10.02612
5503000000	0.890117919	-2.932153143	-19.97713227	-13.1653169	-18.21547065	-11.71662521	0.1002636	0.2196155	0.1228079	0.295187	-0.909866
5503000000	0.890117919	-2.879739266	-21.6892603	-12.73126004	-22.37413109	-9.518369602	0.082326	0.2309609	0.076084	0.3342578	-8.830932
5503000000	0.890117919	-2.827433388	-22.09482611	-11.56577661	-21.5971039	-9.442808395	0.0785704	0.2640655	0.0832041	0.3317783	-8.994201
5503000000	0.890117919	-2.775073511	-22.21328755	-10.09887021	-16.201961	-11.47235342	0.0775061	0.3126486	0.1548467	0.2669207	-7.830313
5503000000	0.890117919	-2.722713633	-23.914535	-8.996749448	-13.4136093	-14.3136093	0.0637196	0.3594962	0.2136844	0.1925005	-7.693092
5503000000	0.890117919	-2.670353756	-17.20830918	-8.59048277	-11.85921751	-13.43174259	0.1379064	0.3719423	0.2552931	0.2310163	-6.212418
5503000000	0.890117919	-2.617993878	-12.01688709	-8.931972556	-9.774452091	-11.47965817	0.2507008	0.3576032	0.3245468	0.2666964	-4.440254
5503000000	0.890117919	-2.565634	-9.5611575	-9.76841354	-7.374764667	-10.97658258	0.3326152	0.3247726	0.4278207	0.2825992	-3.3001
5503000000	0.890117919	-2.513274123	-8.605692858	-10.42442911	-11.47832754	-11.47832754	0.3712918	0.301147	0.5153858	0.2667372	-2.765596
5503000000	0.890117919	-2.460914245	-8.123735316	-10.21601111	-15.0568127	-12.06214676	0.3924761	0.3084060	0.5526701	0.2493978	-2.481395
5503000000	0.890117919	-2.408554368	-7.713125569	-9.305177759	-11.98249682	-11.98249682	0.4114753	0.3425635	0.5494961	0.2516953	-2.184706
5503000000	0.890117919	-2.35619449	-7.769653108	-8.264602104	-5.308149514	-11.28964611	0.4088061	0.3861623	0.5427409	0.2725949	-1.882442
5503000000	0.890117919	-2.303834613	-8.660586351	-7.389347887	-5.126354407	-10.50124065	0.3689527	0.427103	0.5542201	0.2984956	-1.677391
5503000000	0.890117919	-2.251474735	-10.13029906	-6.744196174	-4.897808625	-9.779471941	0.3115194	0.4600343	0.5689965	0.3243593	-1.592788
5503000000	0.890117919	-2.199114858	-11.19309266	-6.32066504	-5.007381228	-8.897450465	0.275642	0.4830218	0.5618637	0.3590273	-1.516717
5503000000	0.890117919	-2.14675498	-11.35664438	-6.08868638	-5.435566989	-7.720649595	0.2705003	0.4960959	0.5348373	0.411119	-1.347722
5503000000	0.890117919	-2.094395102	-11.29649557	-5.989757364	-5.583847744	-6.408991244	0.27238	0.5017786	0.5257843	0.4781349	-1.021585
5503000000	0.890117919	-2.042035225	-11.1044611	-5.934882886	-5.072739472	-5.238907907	0.2784691	0.5049587	0.5576517	0.5470847	-0.499805
5503000000	0.890117919	-1.989675347	-10.22427144	-5.835492614	-4.506349634	-4.4549426	0.3081672	0.51077	0.5952269	0.5987601	0.0559484
5503000000	0.890117919	-1.93731547	-8.957179267	-5.644380596	-4.44441766	-4.177182944	0.3565669	0.5221328	0.5994861	0.6182169	0.4088942
5503000000	0.890117919	-1.884955592	-8.038030985	-5.369693761	-4.786937933	-4.327415646	0.3963679	0.539079	0.5763059	0.607616	0.503531
5503000000	0.890117919	-1.832595715	-7.599227417	-5.032140235	-4.870034403	-4.625509347	0.4169065	0.5602643	0.5708188	0.5871168	0.5677908
5503000000	0.890117919	-1.780235837	-7.371288677	-4.663173458	-4.021997098	-4.779809893	0.4279919	0.5845401	0.6293615	0.5766886	0.9017324
5503000000	0.890117919	-1.72787596	-7.211746999	-4.290417346	-2.593305389	-4.79007374	0.4359259	0.6102097	0.7418818	0.5760979	1.527734
5503000000	0.890117919	-1.675516082	-7.288434853	-3.956915779	-4.926415765						

5503000000	0.890117919	1.047197551	-0.441356327	2.917526852	-5.708816599	-1.227852821	0.9504564	1.3991889	0.5182737	0.8681752	5.4277562
5503000000	0.890117919	1.099557429	-0.075335502	2.820953858	-4.560491102	-2.058417749	0.9913642	1.3837183	0.5915282	0.7890038	5.4730203
5503000000	0.890117919	1.151917306	-0.064215547	2.546347395	-3.993427321	-2.827367061	0.9926342	1.3040566	0.631435	0.722157	5.3125854
5503000000	0.890117919	1.204277184	-0.316289156	2.143058939	-3.954898667	-3.265912751	0.9624049	1.2798319	0.6342421	0.6866009	5.0203857
5503000000	0.890117919	1.256637061	-0.73360205	1.678474117	-3.925950755	-3.303299646	0.9190093	1.23131757	0.6314696	0.6836519	4.728998
5503000000	0.890117919	1.308996639	-1.266024936	1.195886182	-3.642570008	-3.170718291	0.8643681	1.14761	0.6574633	0.6941672	4.5155091
5503000000	0.890117919	1.361356817	-1.839859407	0.671753195	-3.034400426	-3.143477826	0.809109	1.0804707	0.7051475	0.6963476	4.3259889
5503000000	0.890117919	1.413716694	-2.298134253	0.024904753	-2.655786057	-3.287241831	0.7675263	1.0028714	0.7365644	0.6849169	4.0603825
5503000000	0.890117919	1.466076572	-2.541788588	-0.825175856	-2.775920706	-3.429999006	0.7462951	0.9039712	0.7264471	0.673752	3.6280843
5503000000	0.890117919	1.518436449	-2.648279332	-1.895040194	-3.386960311	-3.345064958	0.7372012	0.8039851	0.6770987	0.6803725	3.2233832
5503000000	0.890117919	1.570796327	-2.738678573	-3.09373042	-4.297033158	-3.002716837	0.7295685	0.7003473	0.6097451	0.7077244	2.7577916
5503000000	0.890117919	1.623156204	-2.866629031	-4.23141617	-5.249673043	-2.588050031	0.7189001	0.6143689	0.5464071	0.7423308	2.3520767
5503000000	0.890117919	1.675516082	-3.052561342	-5.138678157	-6.249348831	-2.298102333	0.7036747	0.5534343	0.487004	0.7675292	1.9785556
5503000000	0.890117919	1.72787596	-3.340849409	-5.82870703	-7.694091356	-2.187398832	0.6807028	0.5111692	0.4123779	0.7773741	1.516864
5503000000	0.890117919	1.780235837	-3.844676194	-6.479577586	-9.893931113	-2.167832737	0.6423418	0.474265	0.3221295	0.7791272	0.8980964
5503000000	0.890117919	1.832595715	-4.697903188	-7.232150166	-11.51657477	-2.15729917	0.5822438	0.4349031	0.2655653	0.7800726	0.6284783
5503000000	0.890117919	1.884955592	-5.770192395	-8.009529348	-10.36367786	-2.221096862	0.5146244	0.3976706	0.3032607	0.774364	-0.043889
5503000000	0.890117919	1.93731547	-6.283179149	-8.538317215	-7.992805363	-2.499883631	0.4851109	0.3741831	0.3984371	0.74990043	0.0330966
5503000000	0.890117919	1.989675347	-5.641083509	-8.671249085	-6.20429705	-3.016540213	0.522331	0.3685	0.4895366	0.706599	0.3697101
5503000000	0.890117919	2.042035225	-4.74721703	-8.59869664	-5.222959022	-3.567802171	0.5789475	0.371591	0.5480902	0.6631471	0.675613
5503000000	0.890117919	2.094395102	-4.67786634	-8.624233783	-4.992741376	-3.883158689	0.5835884	0.3705001	0.5628115	0.6395022	0.6539955
5503000000	0.890117919	2.14675498	-5.991630744	-8.914783286	-5.55031204	-4.037534972	0.5016704	0.3583116	0.5278182	0.6282366	0.0693693
5503000000	0.890117919	2.199114858	-8.970309858	-9.345163044	-7.055615091	-4.4320612	0.3560283	0.3409902	0.4438308	0.6003395	-1.203683
5503000000	0.890117919	2.251474735	-12.01068864	-9.601084305	-9.685083339	-5.290476479	0.2508797	0.3310898	0.3279033	0.5438463	-2.77099
5503000000	0.890117919	2.303834613	-10.347016	-9.823571733	-13.325787305	-6.32882137	0.303843	0.3227167	0.2155315	0.5425685	-3.578514
5503000000	0.890117919	2.35619449	-7.960119347	-10.70008355	-16.86854719	-6.872648306	0.3999393	0.2917399	0.1434078	0.5453281	-3.818901
5503000000	0.890117919	2.408554368	-7.05950604	-12.67992582	-18.75177407	-6.162166201	0.4436339	0.2322757	0.1155456	0.4665701	-0.027441
5503000000	0.890117919	2.460914245	-7.345638069	-15.08486103	-19.06174607	-5.946664425	0.4292577	0.176099	0.1114071	0.5042742	-2.86016
5503000000	0.890117919	2.513274123	-8.268196464	-16.00015057	-17.83095858	-5.97977556	0.3860026	0.1584866	0.1283666	0.5371569	-4.364802
5503000000	0.890117919	2.565634	-9.334455666	-15.86057613	-15.76536088	-5.393765635	0.3414108	0.1610059	0.1628291	0.5374174	-4.417373
5503000000	0.890117919	2.617993878	-10.86416795	-15.70045662	-13.584556	-5.943757749	0.2862804	0.1640053	0.2093014	0.504443	-4.700978
5503000000	0.890117919	2.670353756	-13.83979493	-15.42304203	-11.83849068	-6.513413262	0.2032405	0.1693745	0.2559031	0.4724212	-5.185334
5503000000	0.890117919	2.722713633	-14.48389231	-15.48802256	-11.09099759	-6.711997162	0.1887145	0.1681121	0.2815433	0.4617428	-5.191857
5503000000	0.890117919	2.775073511	-10.12524221	-15.39589229	-10.97078024	-6.975046942	0.3117008	0.1699047	0.282788	0.4479687	-4.347952
5503000000	0.890117919	2.827433388	-7.797094226	-13.79910554	-10.91762533	-7.621778988	0.4075166	0.2041948	0.2845239	0.4158254	-3.661521
5503000000	0.890117919	2.879793266	-7.917431375	-12.24393083	-10.65798812	-8.412408389	0.4019096	0.2442325	0.2931572	0.3796467	-3.616059
5503000000	0.890117919	2.932515343	-9.681449907	-12.38277266	-11.25238211	-9.441523476	0.3284005	0.2403595	0.2737669	0.3372282	-4.587414
5503000000	0.890117919	2.984513021	-11.30448772	-14.93001188	-13.77047812	-11.454426	0.2721295	0.1792666	0.2048689	0.3627472	-6.709631
5503000000	0.890117919	3.036872899	-12.42603919	-12.38577428	-19.25618589	-14.94629039	0.2391652	0.0852353	0.1089408	0.178931	-10.28145
5503000000	0.890117919	3.089232776	-15.57083849	-34.23108357	-23.16741165	-18.93460091	0.1665168	0.0194288	0.0694432	0.1130498	-18.93934
5503000000	0.890117919	3.141592654	-24.03857031	-21.42039323	-18.06654204	-21.99383197	0.0628162	0.0849142	0.1249318	0.0794893	-15.08601
5503000000	0.890117919	3.141592654	-24.03857044	-21.42039341	-18.06654207	-21.99383231	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.890117919	3.089232776	-25.05970234	-17.11394436	-15.33961718	-28.88014161	0.0558489	0.1394128	0.1710092	0.0359743	-13.93078
5503000000	0.890117919	3.036872899	-20.31131725	-14.58830783	-14.86786798	-25.76136645	0.0964793	0.1864595	0.1805538	0.0551548	-11.78433
5503000000	0.890117919	2.984513021	-19.13795834	-13.18860272	-16.03204261	-16.52213304	0.1104338	0.2190634	0.1579057	0.1492428	-9.942642
5503000000	0.890117919	2.932515343	-18.89408693	-12.61882352	-18.76578896	-11.83971896	0.1135784	0.2339154	0.1152685	0.2558669	-8.890504
5503000000	0.890117919	2.879793266	-20.06724838	-12.23880375	-23.07498565	-9.547640844	0.0992288	0.2443767	0.070186	0.3331332	-8.555063
5503000000	0.890117919	2.827433388	-22.21576108	-11.3934887	-21.07211456	-9.254046524	0.077484	0.2639553	0.0883882	0.344586	-8.180784
5503000000	0.890117919	2.775073511	-25.40306578	-10.1802905	-16.14064837	-10.79470681	0.0536842	0.3097316	0.1559436	0.288579	-7.873035
5503000000	0.890117919	2.722713633	-27.9839043	-9.193940143	-13.18486455	-10.98612702	0.0398846	0.3469788	0.2078698	0.2191577	-7.809276
5503000000	0.890117919	2.670353756	-17.51599931	-8.82806037	-12.21578239	-13.43108044	0.1331067	0.3619093	0.2450253	0.2130326	-6.438069
5503000000	0.890117919	2.617993878	-12.32424207	-9.148237837	-10.16262639	-12.10680435	0.2419847	0.3488093	0.3103621	0.2481189	-4.812121
5503000000	0.890117919	2.565634	-9.990823396	-8.997214248	-7.75999755	-11.45345773	0.316562	0.3199921	0.4092608	0.267502	-6.353209
5503000000	0.890117919	2.513274123	-9.062983007	-10.47510119	-6.100477445	-11.46222901	0.3522499	0.2993953	0.495427	0.2672321	-3.009744
5503000000	0.890117919	2.460914245	-8.336143348	-10.31622432	-5.42433628	-11.47273486	0.3829948	0.304922	0.5355292	0.266909	-2.554805
5503000000	0.890117919	2.408554368	-7.398329374	-9.489358428	-5.417373228	-10.98612702	0.4266616	0.3353761	0.5359588	0.2822888	-2.098612
5503000000	0.890117919	2.35619449	-6.882306077	-8.425684018	-5.522934029	-10.16881248	0.4527774	0.3790668	0.5294846	0.3101411	-1.558629
5503000000	0.890117919	2.303834613	-7.427234123	-5.370001688	-9.491632529	-10.96183259	0.42666	0.4522441	0.5388897	0.3352883	-1.279371
5503000000	0.890117919	2.251474735	-9.226782837	-6.626181327	-5.138068896	-9.044903718	0.3456693	0.4663274	0.5534731	0.3529838	-1.317843
5503000000	0.890117919	2.199114858	-12.32517998	-6.054883909	-5.201405387	-8.529205181	0.2419586	0.4980303	0.549452	0.3745758	-1.597446
5503000000	0.890117919	2.14675498	-14.72435654	-5.684837291	-5.536066194	-7.738301533	0.1835617	0.5197065	0.5276181	0.4102843	-1.717525
5503000000	0.890117919	2.094395102	-12.99477936	-5.456717171	-6.840556581	-6.404556581	0.2240067	0.5335365	0.5240165	0.4549589	-1.227011
5503000000	0.890117919	2.042035225	-10.33625657	-5.31086983	-5.051136352	-6.132863049	0.3042196	0.5425709	0.5590404	0.4935792	-0.448225
5503000000	0.890117919	1.989675347	-8.482944988	-5.195814154	-5.820322686	-6.3765761	0.3765761	0.5498058	0.5965324	0.5116628	0.1488831
5503000000	0.890117919	1.93731547	-7.376843832	-5.054801462	-4.448460774	-5.95515222	0.4277183	0.5588045	0.5992071	0.5037817	0.380296
5503000000	0.890117919	1.884955592	-6.844049094	-4.835792624	-4.823090883	-6.359224619	0.454776	0.5730736	0.5739122	0.4880823	0.351701
5503000000	0.890117919	1.832595715	-6.663292713	-4.526458693	-4.968152827	-6.623986928	0.4643392	0.5938504	0.564407	0.4664452	0.3783428
5503000000	0.890117919	1.780235837	-6.581506809	-4.162073644	-4.16						

5503000000	0.942477796	0.942477796	-2.739145048	2.434546034	-11.13250079	-0.150241321	0.7295293	1.3235102	0.2775716	0.9828516	4.3850417
5503000000	0.942477796	0.994837674	-2.072243265	2.886161299	-10.92411268	-0.58773644	0.787749	1.3941454	0.2843115	0.9345729	4.6109675
5503000000	0.942477796	1.0471908274	-1.521908274	3.155574178	-8.59546637	-1.176103821	0.8392756	1.4380656	0.3717292	0.873363	4.916256
5503000000	0.942477796	1.099557429	-1.22135116	3.221325468	-6.563059113	-1.875544394	0.8688253	1.4486903	0.4697286	0.8057917	5.0893628
5503000000	0.942477796	1.151917306	-1.139102719	3.083396971	-5.631009803	-2.511896137	0.8770914	1.4261652	0.5229372	0.7488679	5.0450709
5503000000	0.942477796	1.204277184	-1.203648831	2.774362318	-5.587823815	-2.886103914	0.8705978	1.3763159	0.5255437	0.71729	4.8352799
5503000000	0.942477796	1.256637061	-1.409616873	2.360309907	-5.787300543	-2.970324945	0.8501962	1.3122467	0.5136118	0.7103686	4.5742249
5503000000	0.942477796	1.308996939	-1.845525888	1.910873091	-5.490812449	-2.930981363	0.8058513	1.2460703	0.5314463	0.7135936	4.3488752
5503000000	0.942477796	1.361356817	-2.555405261	1.449616453	-4.778900393	-2.944015363	0.745126	1.1816281	0.5768395	0.7125236	4.1260375
5503000000	0.942477796	1.413716694	-3.360582044	0.930716682	-4.298416928	-3.034006523	0.6795181	1.1131042	0.609648	0.7051793	3.8264763
5503000000	0.942477796	1.466076572	-3.920119251	0.266978094	-4.369944961	-3.065452622	0.6367868	1.0312142	0.6046482	0.7026311	3.4499578
5503000000	0.942477796	1.518436449	-4.094121269	-0.616376206	-4.93943207	-2.894771375	0.6241571	0.9314964	0.5662763	0.7165746	3.0411918
5503000000	0.942477796	1.570796327	-4.064515563	-1.733227072	-5.72518656	-2.89733888	0.6262882	0.8191032	0.5172978	0.7467609	2.6370234
5503000000	0.942477796	1.623156204	-4.056166663	-3.003530194	-6.34851047	-2.137783146	0.6268905	0.7076581	0.4814758	0.7818273	2.2716873
5503000000	0.942477796	1.675516082	-4.146919426	-4.249775501	-6.742512911	-1.840543208	0.6203746	0.6130716	0.4601234	0.8090453	1.947281
5503000000	0.942477796	1.72787596	-4.257906009	-5.275787485	-7.237945936	-1.694195311	0.6112871	0.5447668	0.434613	0.8227923	1.6321992
5503000000	0.942477796	1.780235837	-4.44852624	-6.040088434	-7.874292167	-1.660570998	0.5992026	0.4988794	0.4039107	0.8259836	1.3189715
5503000000	0.942477796	1.832595715	-4.923567323	-6.706738709	-8.10322581	-1.702068272	0.5673116	0.4620224	0.3975014	0.8202469	1.0187347
5503000000	0.942477796	1.884955592	-5.983751896	-7.442388544	-7.234789037	-1.868908495	0.5021256	0.4245028	0.434771	0.8064075	0.6998123
5503000000	0.942477796	1.93731547	-7.322442903	-8.233489117	-6.136769894	-2.261871158	0.4304055	0.3875458	0.4933572	0.7707374	0.3492158
5503000000	0.942477796	1.989675347	-7.419407427	-8.897291699	-5.356844017	-2.89733888	0.4256274	0.3903039	0.5397062	0.7163629	0.1751147
5503000000	0.942477796	2.042035225	-5.998177515	-9.212840957	-5.093005941	-3.601505479	0.5012924	0.3462246	0.5563521	0.6605789	0.2754972
5503000000	0.942477796	2.094395102	-4.954077885	-9.124732811	-5.343561899	-4.113429328	0.5653223	0.3497545	0.5405326	0.6227716	0.3339036
5503000000	0.942477796	2.14675498	-5.351678794	-8.835355225	-6.150716822	-4.464254042	0.5400277	0.3616032	0.4925657	0.5981186	-0.033439
5503000000	0.942477796	2.199114858	-7.688228325	-8.575883276	-7.659131765	-5.031017915	0.4126564	0.3725682	0.4140441	0.5063367	-1.112309
5503000000	0.942477796	2.251474735	-12.18915443	-8.488022472	-9.887121682	-6.035611409	0.2457776	0.376356	0.3203662	0.4991366	-2.843497
5503000000	0.942477796	2.303834613	-13.58893559	-8.80421303	-12.25305603	-7.122512262	0.2091959	0.36291	0.2439761	0.4049481	-0.033687
5503000000	0.942477796	2.35619449	-10.18437586	-9.837110213	-13.90375743	-6.977684191	0.3095859	0.3222141	0.2017493	0.4227813	-0.038521
5503000000	0.942477796	2.408554368	-8.483125781	-11.57382552	-15.47599446	-6.972818325	0.3765683	0.268206	0.168345	0.4480836	-0.035155
5503000000	0.942477796	2.460914245	-8.253118933	-13.1256705	-17.89212907	-6.133261209	0.3866732	0.220658	0.1274658	0.4935566	-2.241333
5503000000	0.942477796	2.513274123	-8.422653461	-13.698817	-19.2040777	-5.495486308	0.3791991	0.2065661	0.1096174	0.5311604	-4.246944
5503000000	0.942477796	2.565634	-8.35708989	-14.15205007	-16.9721859	-5.42285924	0.3820723	0.1960638	0.1417068	0.5356203	-4.04452
5503000000	0.942477796	2.617993878	-8.862703694	-14.82399374	-14.12731959	-5.880638552	0.3604664	0.1813552	0.1966229	0.5081221	-4.10629
5503000000	0.942477796	2.670353756	-11.22553378	-15.03051952	-12.12942722	-6.36042231	0.2746444	0.1772042	0.247735	0.480816	-5.82165
5503000000	0.942477796	2.722713633	-13.922253	-14.66735504	-11.31987668	-6.592086251	0.2013202	0.1847703	0.2716478	0.4681615	-4.990605
5503000000	0.942477796	2.775073511	-10.53229289	-13.65462617	-11.51071654	-7.002133321	0.2974304	0.2076198	0.265761	0.4465739	-4.312041
5503000000	0.942477796	2.827433388	-7.870501286	-12.05909322	-11.69178025	-7.76502565	0.4040871	0.2494855	0.2602621	0.4090239	-3.590331
5503000000	0.942477796	2.879793266	-7.8002816	-11.0826463	-11.31523711	-8.53676257	0.4073671	0.2791693	0.271793	0.37425	-3.526738
5503000000	0.942477796	2.932515343	-9.492685619	-11.70365962	-11.57478536	-9.501795705	0.3352476	0.2599064	0.2637915	0.3348962	-4.481665
5503000000	0.942477796	2.984513021	-11.11507647	-14.59364385	-13.7057797	-11.50981589	0.2781289	0.186345	0.2064006	0.265772	-6.589085
5503000000	0.942477796	3.036872899	-12.25439177	-21.31544275	-18.76653472	-15.00745454	0.2439385	0.0859464	0.1152586	0.1776754	-10.13336
5503000000	0.942477796	3.089232776	-15.43929304	-32.5081073	-23.22816584	-18.9079796	0.1909579	0.0236916	0.06889591	0.1133969	-14.53753
5503000000	0.942477796	3.141592654	-24.03857044	-21.42039341	-18.06654207	-21.99383231	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.942477796	3.141592654	-24.03857056	-21.42039366	-18.06654216	-21.99383243	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.942477796	3.089232776	-24.96315881	-17.27908923	-15.22409107	-28.86287326	0.0564732	0.1367782	0.1732988	0.0360459	-13.92301
5503000000	0.942477796	3.036872899	-20.25311403	-14.62051816	-14.80504988	-25.86659697	0.0971128	0.1857694	0.1818643	0.0508944	-11.7734
5503000000	0.942477796	2.984513021	-18.74288648	-12.95442262	-16.15680267	-16.86716068	0.1155728	0.2250499	0.1556538	0.1434306	-9.900975
5503000000	0.942477796	2.932515343	-17.87874526	-12.14510851	-19.29337777	-12.19858691	0.1276623	0.2470271	0.1084754	0.2455108	-8.769915
5503000000	0.942477796	2.879793266	-18.67655039	-11.73604721	-23.88348711	-9.833553612	0.1164588	0.2589391	0.0639452	0.322346	-8.385045
5503000000	0.942477796	2.827433388	-21.45572653	-11.12047406	-20.80487635	-9.33856373	0.0845695	0.2779562	0.0911499	0.3412493	-8.014078
5503000000	0.942477796	2.775073511	-25.04815867	-10.17667001	-16.17120103	-10.45817775	0.0559232	0.3098607	0.155396	0.2999792	-7.732053
5503000000	0.942477796	2.722713633	-23.21968107	-9.369153113	-13.936505	-12.47554438	0.0690265	0.3400497	0.2010007	0.237806	-7.453887
5503000000	0.942477796	2.670353756	-16.62482739	-9.109383302	-12.60413038	-13.6067399	0.1474887	0.3503732	0.2343114	0.2087619	-6.549406
5503000000	0.942477796	2.617993878	-12.56206764	-9.470428717	-10.54264859	-13.22737833	0.2354489	0.3631078	0.297076	0.2180877	-5.298244
5503000000	0.942477796	2.565634	-10.77401354	-10.18578529	-8.114227952	-12.62605398	0.2892673	0.3093537	0.3929059	0.2337208	-4.254832
5503000000	0.942477796	2.513274123	-10.29247263	-10.71355454	-6.397222722	-12.2553012	0.305757	0.2912878	0.4787832	0.243913	-6.108026
5503000000	0.942477796	2.460914245	-9.684049615	-10.59744594	-5.625962887	-11.89660572	0.3279424	0.2952077	0.5232411	0.2541966	-3.094393
5503000000	0.942477796	2.408554368	-8.293737564	-9.852639201	-5.524375195	-11.27985618	0.3848692	0.3216385	0.5293967	0.2729023	-2.447928
5503000000	0.942477796	2.35619449	-7.152462076	-8.769750023	-5.598131651	-10.53271667	0.4389114	0.3634347	0.5249204	0.2974159	-1.800367
5503000000	0.942477796	2.303834613	-7.136742575	-7.629537382	-5.481915107	-10.0079881	0.4397065	0.3415442	0.531991	0.3159371	-1.395855
5503000000	0.942477796	2.251474735	-8.670056839	-6.634630981	-5.292739155	-9.711274224	0.3685506	0.465874	0.5437046	0.3269161	-1.385881
5503000000	0.942477796	2.199114858	-12.31802501	-5.884374964	-5.381732143	-9.23963549	0.242158	0.5079036	0.5381625	0.3451582	-1.758844
5503000000	0.942477796	2.14675498	-17.75679805	-5.372294293	-5.759535646	-8.345911108	0.1294673	0.5387475	0.5152562	0.3825643	-2.124569
5503000000	0.942477796	2.094395102	-14.44261111	-5.029170774	-5.843638635	-7.311969236	0.1896136	0.5604559	0.5102912	0.4309248	-1.456261
5503000000	0.942477796	2.042035225	-10.10815311	-4.789105389	-5.296181716	-6.518343026	0.3123146	0.5761622	0.5434892	0.4721531	-4.026718
5503000000	0.942477796	1.989675347	-7.955401403	-4.613867265	-4.75221705	-6.101606276	0.4001565	0.5879043	0.578614	0.4953586	0.265314
5503000000	0.942477796	1.93731547	-7.109585284	-4.458534253	-4.725323725	-5.936829785	0.4410834	0.5985126	0.5804086	0.5048485	0.525966
5503000000	0.942477796	1.884955592	-6.983473944	-4.256491035	-5.05812795						

5503000000	0.994837674	0.837758041	-3.238240961	1.013365399	-8.676525905	0.265475052	0.6887918	1.1237463	0.3682762	1.0310358	4.1145055
5503000000	0.994837674	0.890117919	-3.508921482	1.532718797	-9.643822351	-0.055395224	0.6676578	1.1929876	0.3294647	0.9936427	4.0381869
5503000000	0.994837674	0.942477796	-3.330277046	2.100641659	-11.34077587	-0.327998873	0.6815318	1.2735972	0.270995	0.9629418	4.0526697
5503000000	0.994837674	0.994837674	-2.916709422	2.596877285	-12.00968589	-0.631965433	0.7147671	1.348478	0.2509087	0.9298261	4.200963
5503000000	0.994837674	1.047197551	-2.614292283	2.950604221	-9.744583519	-1.040064951	0.7400914	1.4054274	0.3256648	0.8871494	4.4995472
5503000000	0.994837674	1.099557429	-2.488679032	3.115424988	-7.465620101	-1.529161579	0.7508722	1.4314337	0.4233689	0.8383575	4.7127293
5503000000	0.994837674	1.151917306	-2.40166421	3.068284518	-6.442192011	-1.95621632	0.7584322	1.423686	0.4763108	0.7983424	4.7528134
5503000000	0.994837674	1.204277184	-2.256705675	2.82349176	-6.48305968	-2.171862027	0.7711959	1.3841227	0.474075	0.7787658	4.6297981
5503000000	0.994837674	1.256637061	-2.150302547	4.239430734	-6.891337892	-2.175697292	0.7807012	1.3242547	0.4523068	0.7784221	4.4431030
5503000000	0.994837674	1.308996939	-2.316904415	1.998336125	-6.703786346	-2.10539543	0.7658695	1.2586843	0.4621795	0.784748	4.2742889
5503000000	0.994837674	1.361356817	-2.920761779	1.559776891	-5.88630292	-2.088542984	0.7144337	1.1967098	0.5077908	0.7862721	4.09652
5503000000	0.994837674	1.413716694	-3.860773517	1.120028522	-5.250712225	-2.138652207	0.6411525	1.137631	0.5463417	0.7817491	3.8258739
5503000000	0.994837674	1.466076572	-4.728631599	0.613714626	-5.187992443	-2.159688324	0.5801876	1.0732125	0.5503011	0.7798581	3.4740935
5503000000	0.994837674	1.518436449	-5.1201987	-0.044414628	-5.57133219	-2.050085763	0.554613	0.9948996	0.5265425	0.7897611	3.1243666
5503000000	0.994837674	1.50796327	-5.082134611	-0.912235172	-5.882576781	-1.811589339	0.5570488	0.9003021	0.5021936	0.8117467	2.8330433
5503000000	0.994837674	1.623156204	-4.979916999	-1.991836712	-5.983544375	-1.540256848	0.563643	0.7950751	0.5021376	0.8375045	2.6013899
5503000000	0.994837674	1.675516082	-5.039601878	-3.21023534	-5.63349393	-1.342926367	0.5597833	0.6910162	0.5227876	0.8567491	2.3796255
5503000000	0.994837674	1.72787596	-5.144252869	-4.398877693	-5.3997373	-1.278751066	0.5530792	0.6026374	0.537048	0.8631026	2.1301661
5503000000	0.994837674	1.780235837	-5.106339729	-5.342650044	-5.506245619	-1.347842314	0.5554987	0.5405894	0.5305028	0.8526644	1.8784281
5503000000	0.994837674	1.832595715	-5.170107242	-5.963852165	-5.753391722	-1.532645048	0.5514354	0.5032774	0.5156208	0.8382388	1.6145939
5503000000	0.994837674	1.884955592	-5.882916414	-6.414230289	-5.822933362	-1.859031963	0.5079888	0.4787466	0.5115091	0.807325	1.2315732
5503000000	0.994837674	1.93731547	-7.522967292	-6.908767661	-5.719309024	-2.387753288	0.4205829	0.5451004	0.517648	0.7596479	0.6255255
5503000000	0.994837674	1.989675347	-8.950540798	-7.530176332	-5.744180628	-3.111397733	0.3568395	0.420034	0.5161769	0.6989243	-0.034091
5503000000	0.994837674	2.042035225	-7.713588211	-8.097002862	-6.097637187	-3.852765827	0.4114533	0.3936859	0.495585	0.6417438	-0.253522
5503000000	0.994837674	2.094395102	-5.756835655	-8.23552646	-6.27818623	-3.37796602	0.5154164	0.387456	0.4609026	0.6043801	-0.139414
5503000000	0.994837674	2.14675498	-5.224768459	-7.895132905	-7.53722568	-4.746451585	0.547976	0.4029428	0.4198931	0.5759895	-0.220752
5503000000	0.994837674	2.199114858	-6.660459477	-7.505469569	-8.581295922	-5.35928721	0.4644907	0.421431	0.3723362	0.5395549	-0.925711
5503000000	0.994837674	2.251474733	-10.53659155	-7.489095209	-9.771937731	-6.383433805	0.2972832	0.4222663	0.3246408	0.4795438	-2.362644
5503000000	0.994837674	2.303834613	-15.54746918	-8.086681455	-10.62861573	-7.342923346	0.1669654	0.3941152	0.2941502	0.4298222	-3.841917
5503000000	0.994837674	2.35619449	-12.94588605	-9.366603447	-11.2231969	-7.450011469	0.2252712	0.3401495	0.2746883	0.4241304	-3.984013
5503000000	0.994837674	2.408554368	-10.28141099	-10.94942768	-12.58736993	-6.83830993	0.3061466	0.283484	0.234764	0.4550766	-3.879989
5503000000	0.994837674	2.460914245	-9.408468694	-11.91959356	-15.61393712	-6.06812151	0.3385139	0.2535247	0.1656926	0.4972719	-4.047703
5503000000	0.994837674	2.513274123	-8.740778144	-12.31814491	-19.30016179	-5.525113624	0.365562	0.2421546	0.108017	0.5293517	-4.116618
5503000000	0.994837674	2.565634	-7.689415759	-13.1798433	-17.93090185	-5.473634201	0.4126	0.2192844	0.1273371	0.5324984	-3.797233
5503000000	0.994837674	2.617993878	-7.466966973	-14.48374558	-14.64987719	-5.85005131	0.4233033	0.1887177	0.1851426	0.5099146	-6.694568
5503000000	0.994837674	2.670353756	-9.262640937	-14.83934379	-12.59190192	-6.222848062	0.3442452	0.1811477	0.2346415	0.4884922	-4.092644
5503000000	0.994837674	2.722713633	-12.55177941	-13.82396446	-11.88174218	-6.480195911	0.2352729	0.2036113	0.2546319	0.4742313	-4.670238
5503000000	0.994837674	2.775073511	-10.75985743	-12.24946763	-12.32094507	-7.03104507	0.2897391	0.2440769	0.2420777	0.4450899	-4.286404
5503000000	0.994837674	2.827433388	-7.995788392	-10.78833277	-12.76280808	-7.895427527	0.3983003	0.2887908	0.2310445	0.4029291	-3.602119
5503000000	0.994837674	2.879793266	-7.761714806	-10.223898	-12.10809912	-8.641093959	0.4091799	0.3801805	0.2480819	0.3697816	-3.509519
5503000000	0.994837674	2.9325153143	-9.34727987	-11.20482424	-11.90932	-9.560824979	0.3409071	0.2752699	0.2538248	0.332628	-4.417961
5503000000	0.994837674	2.984513021	-10.91990968	-14.3682202	-13.59261558	-11.58123384	0.2844491	0.1912445	0.2091073	0.2635957	-6.4808
5503000000	0.994837674	3.036872899	-12.07964128	-21.28652117	-18.20966783	-15.07939851	0.248896	0.0862331	0.12289	0.1762098	-9.976579
5503000000	0.994837674	3.089232776	-15.31774014	-31.00863825	-23.17695298	-18.87913819	0.1714403	0.0281558	0.0693669	0.1133774	-14.36259
5503000000	0.994837674	3.141592654	-24.03857056	-21.42039366	-18.06654216	-21.99383243	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.994837674	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.99383256	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	0.994837674	3.089232776	-24.8802393	-17.46305151	-15.71424426	-28.74816011	0.0570149	0.1339206	0.1755043	0.0365251	-13.91525
5503000000	0.994837674	3.036872899	-20.16623269	-14.69479808	-14.73922347	-26.05074947	0.0981044	0.1841875	0.1832478	0.0489267	-11.77828
5503000000	0.994837674	2.984513021	-18.29095075	-12.79063093	-16.23950776	-17.41372498	0.1217454	0.229334	0.1541788	0.1346833	-8.977975
5503000000	0.994837674	2.9325153143	-16.96223684	-11.75806309	-19.74046285	-12.80379096	0.1418692	0.2582836	0.1030331	0.2289868	-8.728329
5503000000	0.994837674	2.879793266	-17.53408081	-11.27796072	-24.88038139	-10.37515932	0.1328299	0.2729619	0.0569637	0.3028601	-8.340385
5503000000	0.994837674	2.827433388	-20.39816225	-10.81640594	-20.77821449	-9.665496388	0.0955195	0.2878589	0.0914301	0.3286436	-7.9214
5503000000	0.994837674	2.775073511	-22.17872246	-10.12912875	-16.22889391	-10.35973673	0.0778151	0.3115613	0.1543683	0.3033983	-7.461465
5503000000	0.994837674	2.722713633	-18.78242905	-9.540912	-14.15621237	-11.96136457	0.1150479	0.3333914	0.1959699	0.2523084	-6.967486
5503000000	0.994837674	2.670353756	-14.8733523	-9.439817212	-12.84859005	-13.66356047	0.1804398	0.3372964	0.2278088	0.2704663	-6.439204
5503000000	0.994837674	2.617993878	-12.32305087	-9.887331447	-10.73930605	-14.60120619	0.2402179	0.3023554	0.2904255	0.1861829	-5.688434
5503000000	0.994837674	2.565634	-11.4735358	-10.59212267	-8.300241758	-14.42036993	0.2668844	0.2953887	0.3845811	0.1900997	-4.905743
5503000000	0.994837674	2.513274123	-12.0765036	-11.06035025	-6.55462405	-13.65985114	0.2489859	0.2798868	0.470185	0.2074949	-4.389674
5503000000	0.994837674	2.460914245	-12.45010618	-10.96664122	-5.715401264	-12.96138125	0.2385035	0.2829228	0.517881	0.2248697	-3.984443
5503000000	0.994837674	2.408554368	-10.59497221	-10.33822885	-5.550500947	-12.42307117	0.2952918	0.3041505	0.5278068	0.239247	-3.084832
5503000000	0.994837674	2.35619449	-8.481603648	-9.337065993	-5.636971613	-12.02275919	0.3766343	0.3413082	0.5225784	0.2505313	-2.550743
5503000000	0.994837674	2.303834613	-7.680885229	-8.153445495	-5.621089968	-11.85689917	0.4130054	0.3911359	0.5235347	0.2535361	-2.030777
5503000000	0.994837674	2.251474735	-8.554673194	-7.013942496	-5.551525699	-11.75215405	0.3734791	0.4459672	0.5277429	0.2584594	-1.90759
5503000000	0.994837674	2.19148582	-11.55184425	-6.098016952	-5.746788434	-11.09680976	0.2644891	0.4953633	0.5160129	0.2787145	-2.187222
5503000000	0.994837674	2.14675498	-17.22107073	-5.455822901	-6.225328769	-9.672253641	0.137704	0.3535914	0.4883527	0.323888	-2.56833
5503000000	0.994837674	2.094395102	-15.50875449	-5.02222173	-6.357407063	-8.078752452	0.1677113	0.5609045	0.4809829	0.394514	-1.915903
5503000000	0.994837674	2.042035225	-10.53116017	-4.703828117	-5.767612422	-6.840100032	0.2974692	0.5818467	0.5147773	0.4549828	-0.681505
5503000000	0.994837674	1.989675347	-8.19564173	-4.449169478	-5.175685286	-6.048					

5503000000	1.047197551	0.733038286	-2.3915565	1.131710688	-7.264707767	1.31967915	0.7593153	1.1391621	0.433276	1.164083	4.8504223
5503000000	1.047197551	0.785398183	-2.812113365	0.9914291	-7.967943327	0.694197222	0.7234264	1.1209118	0.3995792	1.083203	4.4207704
5503000000	1.047197551	0.8375758041	-3.310029287	1.109532442	-7.952197323	0.143937501	0.6831224	1.1362571	0.4003042	1.0167095	4.1806257
5503000000	1.047197551	0.890117919	-3.685029344	1.430953498	-8.416880172	-0.263237801	0.6542572	1.1295092	0.3794513	0.9701483	4.0359929
5503000000	1.047197551	0.942477796	-3.64101075	1.838299519	-9.982344074	-0.527055892	0.6575813	1.1737055	0.3168712	0.9411248	3.9491477
5503000000	1.047197551	0.994837674	-3.362495897	2.234212068	-11.53013402	-0.732992719	0.6790085	1.2933337	0.265151	0.9190738	3.9637003
5503000000	1.047197551	1.047197551	-3.246819749	2.544471269	-10.26376037	-0.989595753	0.6881118	1.3403665	0.3067694	0.8923191	4.156905
5503000000	1.047197551	1.099554729	-3.335192059	2.704173499	-8.10713037	-1.322757263	0.6811463	1.365329	0.3932284	0.8587409	4.3453467
5503000000	1.047197551	1.151917306	-3.338892416	2.664232102	-7.079496969	-1.637474864	0.6808562	1.3589754	0.442614	0.821829	4.3776091
5503000000	1.047197551	1.204277184	-3.052311726	2.410601826	-7.200410013	-1.804674669	0.7036949	1.3198668	0.4364952	0.8123932	4.2768607
5503000000	1.047197551	1.256637061	-2.647404912	1.977185694	-7.744672101	-1.803878003	0.7372754	1.2556231	0.4099835	0.8124677	4.1239644
5503000000	1.047197551	1.308996939	-2.494541296	1.438799672	-7.489555935	-1.743723075	0.7503656	1.1801575	0.4222039	0.818114	4.0028896
5503000000	1.047197551	1.361356817	-2.845441245	0.881797683	-6.341629204	-1.743704767	0.7206559	1.1068528	0.4818574	0.8181158	3.8832962
5503000000	1.047197551	1.413716694	-3.674992804	0.362737272	-5.381288225	-1.831604746	0.6550137	1.042646	0.53819	0.8098783	3.6532221
5503000000	1.047197551	1.466076572	-4.643814891	-0.122802937	-5.104179759	-1.930223016	0.5858808	0.9859613	0.5556368	0.8007351	3.3114561
5503000000	1.047197551	1.518436449	-5.254026534	-0.63613517	-5.366587976	-1.931021978	0.5461333	0.9293798	0.5391016	0.8006614	2.9698201
5503000000	1.047197551	1.570796327	-5.315071318	-1.259142782	-5.683226156	-1.797392401	0.5423085	0.8650533	0.5198029	0.8130746	2.7351698
5503000000	1.047197551	1.623156204	-5.172706894	-2.058113516	-5.53148377	-1.590427635	0.5512704	0.7890315	0.5289636	0.8326809	2.6129347
5503000000	1.047197551	1.675516082	-5.227010347	-3.049789521	-4.946548404	-1.412042613	0.5478346	0.7038993	0.5658126	0.8499588	2.5015058
5503000000	1.047197551	1.72787596	-5.433696795	-4.137941573	-4.467820265	-1.344621915	0.5349524	0.6210162	0.5978731	0.8565819	2.3136198
5503000000	1.047197551	1.780235837	-5.413631191	-5.064512873	-4.467394973	-1.419762105	0.5361897	0.5581801	0.5979023	0.8492037	2.0811198
5503000000	1.047197551	1.832595715	-5.213983468	-5.567978841	-4.953299893	-1.631051242	0.5486569	0.5267458	0.5653729	0.8287956	1.831831
5503000000	1.047197551	1.884955592	-5.485747209	-5.707862369	-5.705774134	-1.98187983	0.5317563	0.5183306	0.5184553	0.7959871	1.454204
5503000000	1.047197551	1.93731547	-6.848398369	-8.525677753	-6.500351772	-2.493304184	0.4545483	0.5113475	0.4731321	0.7504725	0.7863008
5503000000	1.047197551	1.989675347	-9.170002967	-6.190441804	-7.325675243	-3.127562543	0.3479364	0.4903181	0.4318952	0.6977763	-0.140425
5503000000	1.047197551	2.042035225	-9.411727895	-6.766591145	-8.041798493	-3.711406792	0.3383869	0.4588497	0.396196	0.6522734	-0.697349
5503000000	1.047197551	2.094395102	-6.942027266	-7.188651565	-8.24667455	-4.101388662	0.4496749	0.4370865	0.3790236	0.6236351	-0.494029
5503000000	1.047197551	2.14675498	-5.502819673	-7.177374224	-8.343652321	-4.450359441	0.5307121	0.4376544	0.3822638	0.5990761	-0.219433
5503000000	1.047197551	2.199114858	-6.021928293	-7.022072591	-8.08835278	-5.106710078	0.4999235	0.4455499	0.3842008	0.555475	-0.513685
5503000000	1.047197551	2.251474735	-8.755694586	-7.230234547	-8.608713815	-6.125062269	0.3649348	0.434999	0.3711625	0.4940227	-1.591694
5503000000	1.047197551	2.303834613	-13.74812629	-8.0875985	-8.981423127	-6.932594422	0.2053968	0.3941124	0.3555731	0.501635	-0.065554
5503000000	1.047197551	2.35619449	-14.99885932	-9.516509491	-9.463714708	-6.926487099	0.1778513	0.3343294	0.3363677	0.4504801	-3.748226
5503000000	1.047197551	2.408554368	-12.05385599	-10.81608346	-10.82777263	-6.425788578	0.249636	0.2878696	0.287648	0.4772111	-3.725947
5503000000	1.047197551	2.460914245	-10.55263617	-11.23594667	-13.90889137	-5.908021469	0.2967346	0.2742854	0.2016301	0.5065227	-3.882015
5503000000	1.047197551	2.513274123	-9.098125195	-11.52549098	-18.32939333	-5.569882056	0.3508276	0.2652928	0.1203243	0.5266304	-3.992017
5503000000	1.047197551	2.565634	-7.279721597	-12.72831538	-18.05257955	-5.566973388	0.4325277	0.2309852	0.1251328	0.5268067	-3.639097
5503000000	1.047197551	2.617993878	-6.535691937	-14.53839504	-14.97541325	-5.836326195	0.471211	0.1875341	0.178332	0.5107121	-3.428103
5503000000	1.047197551	2.670353756	-7.863891483	-14.75241498	-13.138207721	-5.678077735	0.4043947	0.1829697	0.2203381	0.4961878	-3.715778
5503000000	1.047197551	2.722713633	-11.05701057	-13.03636669	-12.67284447	-6.378800613	0.2799945	0.2229667	0.236731	0.4797997	-3.419043
5503000000	1.047197551	2.775073511	-11.73308578	-11.77866107	-13.34574026	-7.07155837	0.2906335	0.2761003	0.2151359	0.4430187	-4.258668
5503000000	1.047197551	2.827433388	-8.154971874	-9.891640379	-13.9809891	-8.022646165	0.3910672	0.3201975	0.199777	0.3970706	-3.687699
5503000000	1.047197551	2.879793266	-7.803651573	-9.63776955	-12.994466352	-8.737339897	0.407209	0.3298459	0.2240097	0.3657068	-3.564677
5503000000	1.047197551	2.932153143	-9.253994813	-10.88412013	-12.22813008	-9.631962433	0.3445881	0.2856235	0.2446772	0.3299149	-4.402274
5503000000	1.047197551	2.984513021	-10.72770877	-14.25806335	-13.43802508	-11.6781491	0.2908135	0.1936854	0.2128623	0.2067009	-6.392999
5503000000	1.047197551	3.036872899	-11.90500102	-21.29586911	-13.67265104	-15.16506032	0.253951	0.0861403	0.1313311	0.1744805	-9.817255
5503000000	1.047197551	3.089232776	-15.20671415	-29.68417774	-23.02909883	-18.84814359	0.1736458	0.0327938	0.0705578	0.1141807	-14.713171
5503000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.99383256	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.099557429	-3.141592654	-24.03857037	-21.42039338	-18.06654238	-21.99383272	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.099557429	-3.089232776	-24.80938286	-17.66679707	-15.09955787	-28.54476073	0.0574819	0.1308158	0.1776324	0.0373906	-13.90759
5503000000	1.099557429	-3.063872899	-20.04982043	-14.81371383	-14.66672959	-26.26501785	0.0994281	0.181683	0.1847836	0.0486126	-11.79277
5503000000	1.099557429	-2.984513021	-17.80938525	-12.69896058	-16.26258844	-18.16696106	0.1286858	0.2317672	0.1537696	0.1234957	-9.928021
5503000000	1.099557429	-2.932153143	-16.15513899	-11.46395914	-20.0333077	-13.67079183	0.1556837	0.2671788	0.0996173	0.2072337	-8.757553
5503000000	1.099557429	-2.879793266	-16.62660477	-10.8973019	-26.16264382	-11.16703431	0.1474585	0.2851904	0.049189	0.2764702	-8.423687
5503000000	1.099557429	-2.827433388	-10.49618178	-10.53932728	-20.96722966	-10.18295935	0.1059719	0.2971896	0.089462	0.3096364	-7.934298
5503000000	1.099557429	-2.775073511	-19.80442752	-10.08765046	-16.2553037	-10.37931048	0.1022772	0.3130527	0.1538987	0.3027154	-7.210829
5503000000	1.099557429	-2.722713633	-15.9022739	-9.743434699	-14.19138324	-11.44726607	0.1602826	0.3257079	0.195178	0.2676928	-6.476546
5503000000	1.099557429	-2.670353756	-12.98860278	-9.84130061	-12.80290899	-13.21668034	0.2241661	0.3220587	0.2290101	0.2183564	-6.076445
5503000000	1.099557429	-2.617993878	-11.43508667	-10.40330256	-10.64925499	-15.29493835	0.2680684	0.3018804	0.2934521	0.171891	-5.719344
5503000000	1.099557429	-2.565634	-11.36145237	-11.08787454	-6.274686292	-15.97593484	0.2703506	0.2790013	0.3857143	0.158929	-5.240291
5503000000	1.099557429	-2.513274123	-13.12351211	-11.44278685	-8.68009815	-14.72780875	0.2207112	0.2678309	0.4688085	0.1834888	-4.7611
5503000000	1.099557429	-2.460914245	-16.17929433	-11.28573587	-5.746038659	-13.50449226	0.1552513	0.2727176	0.5160575	0.2112396	-4.76696
5503000000	1.099557429	-2.408554368	-14.4208622	-10.72551748	-5.585580792	-12.99615883	0.190089	0.2908695	0.5256794	0.2239711	-4.218076
5503000000	1.099557429	-2.35619449	-10.53014467	-9.899667485	-5.742118186	-13.07450888	0.297504	0.3199018	0.5162904	0.2219599	-3.377609
5503000000	1.099557429	-2.303834613	-8.573932959	-8.875948732	-5.742118186	-13.52455818	0.3726519	0.3599172	0.508675	0.2107522	-2.78129
5503000000	1.099557429	-2.251474735	-8.498420492	-7.764216887	-5.955307317	-13.92572721	0.3759058	0.409062	0.5037729	0.2101433	-2.556968
5503000000	1.099557429	-2.199114858	-10.25922074	-6.76209714	-6.274370012	-13.38837465	0.3690297	0.4590872	0.4856032	0.2140825	-2.699683
5503000000	1.099557429	-2.14675498	-13.79766237	-6.010832153	-6.839405596	-11.63082193	0.2042288	0.5005626	0.4550192	0.2620951	-2.963184
5503000000	1.099557429	-2.094395102	-14.6873447	-5.494146907							

5503000000	1.099557429	0.628318531	-1.262026755	2.003232633	-4.466272987	2.412776985	0.8647661	1.259394	0.5979796	1.3201973	6.1120505
5503000000	1.099557429	0.680678408	-1.930498296	1.864253893	-6.214373569	2.082061013	0.8007097	1.2394034	0.488969	1.2708756	5.5749754
5503000000	1.099557429	0.73038286	-2.343856806	1.673302129	-7.584531346	1.525502715	0.7634967	1.2124535	0.4176124	1.1919969	5.070539
5503000000	1.099557429	0.785398163	-2.71942731	1.561343759	-7.682286014	0.848940953	0.7311873	1.1969257	0.4129388	1.1026738	4.7199708
5503000000	1.099557429	0.837758041	-3.238441859	1.599572228	-7.394131299	0.174911169	0.6887758	1.2022052	0.4268678	1.1023415	4.4466222
5503000000	1.099557429	0.890117919	-3.659998383	1.757927687	-8.039250209	-0.37336833	0.6561454	1.2243241	0.3963122	0.9579257	4.1761
5503000000	1.099557429	0.942477796	-3.598684368	1.968916755	-8.032982864	-0.72705905	0.6607935	1.2544283	0.3044448	0.9200569	3.9712283
5503000000	1.099557429	0.994836764	-3.251726754	2.180578908	-13.38169681	-0.920650549	0.6877232	1.2853732	0.2142472	0.8994302	3.7694937
5503000000	1.099557429	1.047197551	-3.122079285	2.348971182	-11.66032751	-1.092176365	0.6980653	1.3105348	0.2612063	0.8818428	3.9501575
5503000000	1.099557429	1.099557429	-3.300389514	2.418919262	-8.504705361	-1.326888669	0.683881	1.3211312	0.3756339	0.853325	4.1875617
5503000000	1.099557429	1.151917306	-3.429359598	2.329480848	-7.043951898	-1.59637661	0.6738016	1.3075864	0.4444429	0.8321108	4.2382293
5503000000	1.099557429	1.204277184	-3.166477198	2.036380754	-7.022899195	-1.796733005	0.6945062	1.2642095	0.4455075	0.8131363	4.1293919
5503000000	1.099557429	1.256637061	-2.643636363	1.531227328	-7.714226051	-1.875880996	0.7375954	1.1927828	0.4114198	0.8057605	3.9388761
5503000000	1.099557429	1.308996939	-2.287351525	0.844562087	-7.793033187	-1.902598951	0.7684797	1.102118	0.4077072	0.8032857	3.7548991
5503000000	1.099557429	1.361356817	-2.405022631	0.041911438	-6.700276737	-1.99019665	0.7581391	1.0048369	0.4623663	0.7952253	3.581171
5503000000	1.099557429	1.413716694	-3.027088871	-0.781649012	-5.581003956	-2.179811192	0.7057413	0.9139397	0.5259565	0.7780535	3.2980295
5503000000	1.099557429	1.466076572	-3.897028085	-1.524004305	-5.195283929	-2.391958313	0.6384819	0.8390731	0.5498393	0.7592802	2.8811251
5503000000	1.099557429	1.518436449	-4.558503117	-2.132072977	-5.513481086	-2.479726591	0.5916636	0.7823415	0.5300611	0.7516466	2.463022
5503000000	1.099557429	1.567096327	-4.697980093	-2.651156222	-6.024056493	-2.359225705	0.5922386	0.7639571	0.4998011	0.7621469	2.2156437
5503000000	1.099557429	1.623156204	-4.539934853	-3.207302718	-5.973888124	-2.084038533	0.5929298	0.6912496	0.5026962	0.7866799	2.1900707
5503000000	1.099557429	1.675516082	-4.553508764	-3.924240324	-5.217623072	-1.787589006	0.5920039	0.6364847	0.548427	0.8139928	2.2484413
5503000000	1.099557429	1.72787596	-4.832306373	-4.808087732	-4.432908131	-1.589076034	0.5733036	0.5749044	0.600281	0.8328105	2.216168
5503000000	1.099557429	1.780235837	-4.976859533	-5.647805357	-4.974703214	-1.540306821	0.5638415	0.521927	0.6183934	0.8374997	2.0817544
5503000000	1.099557429	1.832595715	-4.773081265	-6.102905959	-5.581584169	-1.632008704	0.5772261	0.4952845	0.5900934	0.8287042	1.9079495
5503000000	1.099557429	1.884955592	-4.760705564	-6.102253979	-4.543423867	-1.848234172	0.5780491	0.4953216	0.5282364	0.803292	1.6195118
5503000000	1.099557429	1.93731547	-5.685112531	-5.992349906	-6.068634372	-2.191232435	0.51969	0.5016288	0.4567287	0.7769505	1.0423237
5503000000	1.099557429	1.989675347	-7.96012698	-6.140980892	-7.967861747	-2.63110261	0.3999389	0.4931181	0.3995829	0.7386605	0.1348833
5503000000	1.099557429	2.042035225	-10.04759321	-6.613894744	-8.41237048	-3.06010247	0.3144988	0.4669875	0.3796483	0.703064	-0.610752
5503000000	1.099557429	2.09495102	-8.229616724	-7.117668524	-7.817898552	-3.27962153	0.3877209	0.4466731	0.4065417	0.67391	-0.405184
5503000000	1.099557429	2.14675498	-6.046725353	-7.31295398	-6.9207359	-3.90307413	0.4984984	0.430876	0.4507776	0.6382409	0.0795142
5503000000	1.099557429	2.19114858	-5.715512386	-7.353763701	-6.617919743	-4.178685963	0.5178743	0.4288563	0.4667712	0.5808523	-0.024555
5503000000	1.099557429	2.251474735	-7.427824395	-7.724229621	-7.113631516	-5.795382859	0.4252152	0.4109496	0.4408917	0.5131341	-0.962615
5503000000	1.099557429	2.303834613	-11.19869493	-8.700812475	-7.964497095	-6.492722584	0.2754643	0.3672479	0.3993777	0.4735479	-2.406629
5503000000	1.099557429	2.35619449	-14.56690377	-10.03384593	-8.80023857	-6.427347821	0.1869196	0.3149979	0.3630681	0.4771255	-3.464831
5503000000	1.099557429	2.408554368	-13.13616741	-10.8088282	-10.21500098	-6.098963185	0.2203899	0.2881102	0.3084963	0.4955093	-3.658576
5503000000	1.099557429	2.460914245	-11.37018402	-10.754158	-13.17417496	-5.868228342	0.270079	0.2899293	0.2194276	0.5088486	-3.820364
5503000000	1.099557429	2.513274123	-9.39595492	-11.0540363	-17.34909626	-5.730389126	0.339002	0.2800904	0.1356892	0.5169881	-3.932431
5503000000	1.099557429	2.565634	-7.092285096	-12.58965238	-17.37020563	-5.722228828	0.4419628	0.2347023	0.1335389	0.517474	-3.546845
5503000000	1.099557429	2.617993878	-5.982048152	-14.79011773	-15.01332478	-5.826068049	0.5022242	0.1821772	0.1775553	0.5113245	-3.26541
5503000000	1.099557429	2.670353756	-6.919861926	-14.60110305	-13.70195366	-5.951718021	0.4508239	0.1861851	0.2064916	0.5039909	-3.430144
5503000000	1.099557429	2.722713633	-9.777692948	-12.32346833	-13.48430958	-6.300539448	0.3244258	0.2420003	0.211731	0.4841423	-3.997311
5503000000	1.099557429	2.775073511	-10.470547	-10.39964086	-14.46636146	-7.13940841	0.2995523	0.2020077	0.1890958	0.4395716	-4.220893
5503000000	1.099557429	2.827433388	-8.335507367	-9.306433946	-15.3608125	-8.160635305	0.3830228	0.342514	0.1705923	0.3908123	-3.829425
5503000000	1.099557429	2.879793266	-7.927299882	-9.288493475	-13.89013823	-8.841212909	0.4014533	0.342222	0.2020659	0.3613594	-3.687776
5503000000	1.099557429	2.932153143	-9.217226414	-10.73980003	-12.50164415	-9.730276226	0.3460499	0.290409	0.2370925	0.3262017	-4.438763
5503000000	1.099557429	2.984513021	-10.54484526	-14.26618733	-13.25291702	-11.81026854	0.2970009	0.1935043	0.2174474	0.2567359	-6.332858
5503000000	1.099557429	3.036872899	-11.73360844	-21.3355592	-17.06893126	-15.26674986	0.2590118	0.0857476	0.1401372	0.1724497	-9.664715
5503000000	1.099557429	3.089232776	-15.10680088	-28.49960539	-22.80637119	-18.81503305	0.1756548	0.0375854	0.0723904	0.1146168	-13.97403
5503000000	1.099557429	3.141592654	-24.03857037	-21.42039335	-18.06654238	-21.9938237	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.151917306	3.141592654	-24.03857048	-21.42039353	-18.06654237	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.151917306	3.089232776	-24.74923177	-17.89119256	-14.90955952	-28.26587825	0.0578813	0.1274795	0.1796892	0.0386106	-13.90027
5503000000	1.151917306	3.036872899	-19.90597107	-14.97493204	-14.58460159	-26.44197465	0.1010884	0.1782495	0.1865391	0.0476323	-11.80963
5503000000	1.151917306	2.984513021	-17.32252281	-12.68000419	-16.21302395	-19.12413942	0.1361049	0.2322736	0.1546496	0.1106097	-9.983779
5503000000	1.151917306	2.932153143	-15.45740296	-11.26391597	-20.0972705	-14.81306318	0.1687057	0.2734036	0.0988789	0.1816966	-8.841621
5503000000	1.151917306	2.879793266	-15.92963999	-10.60946143	-27.69676922	-12.17948132	0.1597784	0.2947996	0.0412251	0.2460515	-8.614225
5503000000	1.151917306	2.827433388	-18.92485703	-10.32636466	-21.34726462	-10.79153476	0.1131767	0.3045662	0.0856286	0.2868644	-8.045483
5503000000	1.151917306	2.775073511	-18.23700952	-10.09339765	-16.22612819	-10.37461454	0.1225038	0.3128456	0.1544165	0.3028791	-7.007025
5503000000	1.151917306	2.722713633	-13.97061949	-10.01133674	-14.01095098	-10.38392824	0.2002023	0.3158226	0.1992748	0.2879411	-5.992497
5503000000	1.151917306	2.670353756	-11.37191874	-10.34006026	-12.45890529	-12.20989837	0.2700251	0.3040864	0.238262	0.2451913	-5.534461
5503000000	1.151917306	2.617993878	-10.21915427	-11.02704841	-10.31278103	-14.45277719	0.3083488	0.280962	0.3050429	0.1893919	-5.322053
5503000000	1.151917306	2.565634	-10.32661081	-11.65419158	-8.10836629	-15.7250384	0.3045576	0.2613909	0.3933777	0.1635867	-5.013679
5503000000	1.151917306	2.513274123	-11.96373986	-11.82990449	-6.55382137	-14.31482999	0.2522394	0.2561561	0.4702285	0.1924237	-4.69108
5503000000	1.151917306	2.460914245	-15.45475758	-11.49341518	-5.797868957	-12.6149656	0.1687571	0.2662743	0.5129872	0.2340193	-4.567971
5503000000	1.151917306	2.408554368	-16.36313402	-10.8181004	-6.58421806	-11.76907488	0.1519999	0.2878028	0.5197435	0.2579564	-4.311202
5503000000	1.151917306	2.35619449	-12.01178404	-10.06480047	-5.914391364	-11.63496584	0.2508481	0.3138773	0.5061514	0.2619701	-3.524994
5503000000	1.151917306	2.303834613	-9.216157373	-9.335239438	-6.162699647	-11.8999544	0.3460925	0.34138	0.4918866	0.2540986	-8.292903
5503000000	1.151917306	2.251474735	-8.327827586	-8.528065059	-6.362885344	-12.2556613	0.3833616	0.374625	0.4806796	0.2439056	-6.600285
5503000000	1.151917306	2.191914858	-9.046762227	-7.638092741	-6.74						

5503000000	1.151917306	0.523598776	0.134464344	2.140597819	-2.916053823	2.187911587	1.0156012	1.2794694	0.714821	1.2864579	6.6413922
5503000000	1.151917306	0.575958653	-0.448426173	2.211709865	-3.30950074	2.384983311	0.9496831	1.2899785	0.681479	1.3159796	6.5208342
5503000000	1.151917306	0.628318531	-1.182366658	2.263620857	-4.491599193	2.414909801	0.8727335	1.2977201	0.5962385	1.3205215	6.2079471
5503000000	1.151917306	0.680678408	-1.761958653	2.240754423	-6.131164448	2.192643086	0.8163983	1.2943308	0.4936757	1.2871589	5.7818235
5503000000	1.151917306	0.73038286	-2.087365871	2.180596038	-7.263618854	1.726520365	0.7863786	1.2853749	0.4333303	1.219905	5.4018996
5503000000	1.151917306	0.785398163	-2.436731625	2.164595571	-7.314044262	1.080210744	0.7553764	1.2830009	0.4308219	1.1324278	5.103995
5503000000	1.151917306	0.837575804	-2.984923399	2.227365263	-7.384626426	0.352542029	0.7091757	1.2923146	0.4273352	1.1044228	4.7866113
5503000000	1.151917306	0.890117919	-3.407073229	2.32497581	-8.807860242	-0.324397779	0.6755326	1.3080516	0.3627496	0.9633411	4.3751072
5503000000	1.151917306	0.942477796	-3.225368156	2.438406668	-12.99517964	-0.820047548	0.6898133	1.3225751	0.2239964	0.9099083	3.9353836
5503000000	1.151917306	0.994837674	-2.685189872	2.491628844	-18.46063622	-1.095678982	0.7340751	1.3322369	0.1193901	0.8814873	3.7142118
5503000000	1.151917306	1.047197551	-2.392135526	2.51593463	-11.02964874	-1.242917895	0.7592647	1.3359701	0.2808779	0.8646707	4.1977589
5503000000	1.151917306	1.099557429	-2.495822605	2.482643589	-6.750886122	-1.387726595	0.750255	1.3308594	0.4596801	0.8523416	4.5914255
5503000000	1.151917306	1.151917306	-2.669823021	2.350143914	-4.947553158	-1.573200484	0.735375	1.3107118	0.5657471	0.8434341	4.7261288
5503000000	1.151917306	1.204277184	-2.52504105	2.068049401	-4.64124324	-1.748243712	0.7477354	1.2688272	0.5860543	0.8176884	4.6606973
5503000000	1.151917306	1.256637061	-2.078710814	1.597035655	-5.278457465	-1.862899445	0.7871626	1.2018542	0.5445994	0.8069656	4.4558422
5503000000	1.151917306	1.308996939	-1.692424734	0.91746583	-6.118192854	-1.956596608	0.8229601	1.1114074	0.4944135	0.7983074	4.1556175
5503000000	1.151917306	1.361356817	-1.679120249	0.032042295	-6.269798911	-2.123814179	0.8242216	1.0036958	0.4858588	0.7830857	3.7978368
5503000000	1.151917306	1.413716694	-2.108525133	-0.108878672	-5.875447936	-2.400639269	0.7844653	0.8893159	0.5084258	0.7585217	3.3484996
5503000000	1.151917306	1.466076572	-2.792667053	-2.129107526	-2.688320565	-2.795904061	0.7250478	0.7826086	0.5115744	0.7338106	2.7756551
5503000000	1.151917306	1.518436449	-3.365252966	-3.128514699	-6.46146069	-2.795904061	0.678793	0.6975483	0.4752454	0.7248452	2.1997376
5503000000	1.151917306	1.570796327	-3.532585681	-3.87693146	-7.341627366	-1.101122556	0.6658413	0.6396963	0.429456	0.740371	1.8531117
5503000000	1.151917306	1.623156204	-3.416354753	-4.401584741	-7.312174824	-2.223695758	0.6748112	0.6024927	0.4309146	0.7741323	1.8765128
5503000000	1.151917306	1.675516082	-3.425822201	-4.883622667	-6.090972748	-1.818612888	0.674076	0.5969265	0.4959651	0.8110906	2.1138075
5503000000	1.151917306	1.72787596	-3.731070303	-5.474468918	-4.780540031	-1.535363179	0.6507984	0.5324362	0.5767306	0.8379765	2.2719881
5503000000	1.151917306	1.780235837	-4.031940184	-6.137807262	-4.103568	-1.451624893	0.6286414	0.4932983	0.623472	0.8496083	2.262215
5503000000	1.151917306	1.832595715	-3.98909648	-6.642603842	-4.182846809	-1.429488753	0.6317499	0.4654465	0.6178139	0.8482533	2.1556256
5503000000	1.151917306	1.884955592	-3.91819346	-6.802637278	-4.883113257	-1.548249351	0.636928	0.4569959	0.5699599	0.8367342	1.9401859
5503000000	1.151917306	1.93731547	-4.540100672	-6.763056147	-5.900571926	-1.783666596	0.5929185	0.4590365	0.5069573	0.8143604	1.4863529
5503000000	1.151917306	1.989675347	-6.440072177	-6.859057753	-6.691894874	-2.13814179	0.476427	0.4539673	0.4628127	0.7186865	0.7281601
5503000000	1.151917306	2.042035225	-9.287606088	-7.241126586	-6.640923978	-2.571915037	0.3432572	0.4344539	0.4655366	0.7437111	-0.056823
5503000000	1.151917306	2.094395102	-9.17562485	-7.707341276	-5.827119618	-3.077305332	0.3477113	0.4117494	0.5112626	0.7016729	-0.120717
5503000000	1.151917306	2.14675498	-6.674223618	-7.944969493	-5.095676107	-3.789488022	0.4637552	0.4006374	0.5561811	0.6464361	0.2862509
5503000000	1.151917306	2.199114858	-5.614624894	-8.036785203	-5.171474976	-4.837188443	0.5239246	0.3964247	0.5513486	0.5729815	0.1919042
5503000000	1.151917306	2.251474735	-6.50148966	-8.394190477	-6.279270551	-5.956248496	0.4730701	0.3804438	0.4853293	0.5037181	-0.712161
5503000000	1.151917306	2.303834613	-9.267859685	-9.216059706	-7.983923117	-6.43969418	0.3440385	0.3460693	0.3988447	0.4764478	-2.127942
5503000000	1.151917306	2.35619449	-12.75823595	-10.13069828	-9.389101102	-6.240797587	0.2301909	0.311505	0.3392728	0.4874837	-3.296005
5503000000	1.151917306	2.408554368	-13.14584912	-10.39239526	-10.76178771	-6.052764398	0.220144	0.3022597	0.2896747	0.4981519	-3.673645
5503000000	1.151917306	2.460914245	-11.64124774	-10.21483018	-13.31517446	-6.071507246	0.2617807	0.3085024	0.2158944	0.4970781	-3.854337
5503000000	1.151917306	2.513274123	-9.556329615	-10.71096266	-16.43145372	-6.05134123	0.3328002	0.2913747	0.150809	0.4982335	-3.922549
5503000000	1.151917306	2.565634	-7.087136563	-12.56268586	-16.1896061	-5.924196581	0.4422249	0.2354321	0.1550672	0.5055803	-3.489501
5503000000	1.151917306	2.617993878	-5.744160468	-14.94081563	-17.73922699	-5.803774996	0.5161691	0.1790438	0.1825172	0.5126385	-3.158001
5503000000	1.151917306	2.670353756	-6.345747589	-14.21909608	-14.24143041	-5.288836029	0.481629	0.1945563	0.1940566	0.5111616	-3.214189
5503000000	1.151917306	2.722713633	-8.793890076	-11.68360947	-14.37754602	-6.267885304	0.3633335	0.2605071	0.1910393	0.4859568	-3.736084
5503000000	1.151917306	2.775073511	-10.06375057	-9.869625634	-15.48182531	-7.254913701	0.3139153	0.2321011	0.168232	0.4373648	-4.173752
5503000000	1.151917306	2.827433388	-8.532328423	-8.991522147	-16.55537002	-8.32551507	0.3744412	0.3551599	0.1486728	0.3834637	-4.00122
5503000000	1.151917306	2.877993266	-8.133861897	-9.172746417	-14.660250764	-8.970250764	0.3920188	0.3478265	0.1849213	0.3653007	-3.870992
5503000000	1.151917306	2.932153143	-9.237593633	-10.7715253	-12.705588005	-9.871570757	0.3452394	0.2893502	0.2315906	0.3209382	-4.530719
5503000000	1.151917306	2.984513021	-10.37530193	-14.39421188	-13.05082981	-11.98709973	0.3028551	0.1969731	0.2225658	0.321562	-6.30618
5503000000	1.151917306	3.036872899	-11.56839132	-21.39193189	-16.54006891	-15.38584216	0.2639857	0.0851299	0.1489349	0.1701014	-9.522276
5503000000	1.151917306	3.089232776	-15.01862984	-27.4294141	-22.53248954	-18.77981361	0.1774469	0.0425137	0.0747094	0.1150825	-13.77016
5503000000	1.151917306	3.141592654	-24.03857048	-21.42039353	-18.06654237	-21.99383237	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.151917306	3.141592654	-24.03857018	-21.42039353	-18.06654237	-21.99383233	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.151917306	3.089232776	-24.6986729	-18.13698415	-14.81382876	-27.92702015	0.0582192	0.1239227	0.1816806	0.0401466	-13.89364
5503000000	1.151917306	3.036872899	-19.73934103	-15.19365731	-14.49071248	-26.50118672	0.1030464	0.173907	0.1885664	0.0473087	-11.82116
5503000000	1.151917306	2.984513021	-16.84993052	-12.73325288	-16.08469829	-20.25505251	0.1437155	0.230854	0.1569514	0.0971063	-10.05274
5503000000	1.151917306	2.932153143	-14.86373643	-11.15548518	-19.88960498	-16.21865747	0.1806397	0.276838	0.1012791	0.1545493	-8.955081
5503000000	1.151917306	2.877993266	-15.41421412	-10.41784618	-29.12127089	-13.31284231	0.1695467	0.3013753	0.0349894	0.2159523	-8.851496
5503000000	1.151917306	2.827433388	-18.72148107	-10.19440905	-21.89040847	-11.31685608	0.115858	0.3092285	0.0804447	0.2717423	-8.209123
5503000000	1.151917306	2.775073511	-17.31093029	-10.16920161	-16.16029704	-10.20850743	0.1362871	0.3101272	0.1555912	0.308727	-6.832782
5503000000	1.151917306	2.722713633	-12.67994398	-10.36350265	-13.6866874	-10.05519474	0.2322752	0.3032668	0.2068548	0.3142247	-5.422211
5503000000	1.151917306	2.670353756	-10.15870279	-10.94510199	-11.9438455	-10.97595055	0.3105023	0.2836253	0.2528178	0.2826197	-4.962374
5503000000	1.151917306	2.617993878	-9.124435015	-11.73545952	-9.860696266	-12.84336158	0.3497665	0.285956	0.3213403	0.227946	-4.746358
5503000000	1.151917306	2.565634	-9.106300297	-12.22826859	-7.890056593	-14.22124048	0.3504975	0.2446733	0.4031783	0.1945082	-4.488829
5503000000	1.151917306	2.513274123	-10.02722321	-12.18776443	-6.551843002	-13.15500407	0.3152382	0.2458169	0.4703356	0.2199124	-4.073349
5503000000	1.151917306	2.460914245	-11.82661096	-11.64037922	-5.909562989	-11.30770337	0.2562533	0.2618609	0.5064328	0.2720288	-3.765004
5503000000	1.151917306	2.408554368	-13.1169405	-10.68480812	-5.823614557	-10.06140749	0.2208783	0.2922779	0.5114689	0.314	-3.487421
5503000000	1.151917306	2.35619449	-11.66277571	-9.733471946	-6.053185653	-9.418544488	0.2611327	0.3260817	0.4981277	0.3381215	-2.953673
5503000000	1.151917306	2.303834613	-9.535584168	-9							

5503000000	1.204277184	0.41887902	0.383070172	2.372433249	-2.551139192	2.106175777	1.0450896	1.3140796	0.7454921	1.2744089	6.807038
5503000000	1.204277184	0.471238898	0.450827444	2.30691083	-2.989202242	2.024406418	1.053274	1.304204	0.7088264	1.2624678	6.7066499
5503000000	1.204277184	0.523598776	0.181982168	2.281136021	-2.863119603	2.102252983	1.0211725	1.3003396	0.7191906	1.273873	6.6781622
5503000000	1.204277184	0.575958653	-0.349460334	2.325778876	-3.048719703	2.252172895	0.9605655	1.3070400	0.703986	1.2960109	6.5830794
5503000000	1.204277184	0.628318531	-0.987701256	2.393920489	-3.954123393	2.3197263	0.8925138	1.3173344	0.6342987	1.3601297	6.3409409
5503000000	1.204277184	0.680678408	-1.440417183	2.40476111	-5.360950488	2.194563166	0.8471867	1.3244576	0.5394516	1.2874434	6.0174275
5503000000	1.204277184	0.730382826	-1.664738868	2.481333629	-6.511848006	1.844436193	0.8255874	1.3306587	0.4725063	1.2635788	5.7231344
5503000000	1.204277184	0.785398163	-1.984767483	2.560691752	-7.026383396	1.296075154	0.7957225	1.3428719	0.4453288	1.1609239	5.448082
5503000000	1.204277184	0.837558041	-2.549288164	2.683727795	-7.831802871	0.16038763	0.745651	1.3620291	0.4058914	1.0734997	5.0742001
5503000000	1.204277184	0.890117919	-2.947667514	2.799862201	-10.44040264	-0.08962731	0.712224	1.3803624	0.3005937	0.9897075	4.5651514
5503000000	1.204277184	0.942477796	-2.635842031	2.853939132	-18.6039375	-0.687182332	0.7382576	1.3889931	0.1174365	0.9293339	3.9967786
5503000000	1.204277184	0.994837674	-1.913276296	2.828492681	-16.93905072	-1.074087135	0.8022989	1.3849198	0.1422484	0.8836813	4.1180157
5503000000	1.204277184	1.047197551	-1.446799789	2.739947949	-8.081975719	-1.256814219	0.8465644	1.3708736	0.3943676	0.8652852	4.8037207
5503000000	1.204277184	1.099555429	-1.417363168	2.608838967	-4.362061743	-1.331214825	0.8494383	1.3503363	0.6051972	0.8579051	5.2558467
5503000000	1.204277184	1.151917306	-1.550332334	2.433051291	-2.70513176	-1.378650504	0.8365336	1.3232825	0.7323917	0.8532327	5.449458
5503000000	1.204277184	1.204277184	-1.485002958	2.182035249	-2.357345685	-1.410491352	0.8428491	1.2855879	0.7623119	0.8501106	5.4388281
5503000000	1.204277184	1.256637061	-1.167930399	1.810768963	-2.986525849	-1.41844045	0.8741853	1.231795	0.7090449	0.8493363	5.2593583
5503000000	1.204277184	1.308996939	-0.855420027	1.275436151	-4.729100804	-1.447029682	0.9062103	1.1581687	0.6110053	0.846542	4.9150052
5503000000	1.204277184	1.361356817	-0.811187538	0.541798827	-5.669569298	-1.578512762	0.9108369	1.0643634	0.5206208	0.8338239	4.427359
5503000000	1.204277184	1.413716694	-1.113912628	-0.402341657	-6.608014062	-1.840897681	0.8796388	0.9547352	0.4673038	0.8090123	3.8365348
5503000000	1.204277184	1.466076572	-1.629026322	-1.520472357	-7.399496954	-2.133612789	0.8289888	0.8394143	0.4266042	0.7822028	3.1588319
5503000000	1.204277184	1.518436449	-2.087809504	-2.696582141	-8.654484883	-2.262721436	0.7863385	0.733113	0.369212	0.770662	2.4748296
5503000000	1.204277184	1.570796327	-2.277851989	-3.739222887	-9.852658734	-2.117251064	0.7693207	0.6501789	0.3216378	0.7836776	2.0240221
5503000000	1.204277184	1.623156204	-2.269088495	-4.482542174	-9.102944513	-1.791905429	0.7700973	0.5968606	0.350633	0.8135884	2.048579
5503000000	1.204277184	1.675516082	-2.362091696	-4.937575663	-6.904930037	-1.477808026	0.7618955	0.5663974	0.4515995	0.8354576	2.3568229
5503000000	1.204277184	1.72787596	-2.725787082	-5.274255279	-5.083282425	-1.30597154	0.7306521	0.5448629	0.5569752	0.860402	2.5837797
5503000000	1.204277184	1.780235837	-3.15130885	-5.632403463	-4.18322894	-1.2984363	0.6957201	0.5288263	0.6202744	0.8611488	2.6066643
5503000000	1.204277184	1.832595715	-3.286936454	-6.00605495	-4.045650105	-1.404283345	0.684941	0.500838	0.6276499	0.8507184	2.4905498
5503000000	1.204277184	1.884955592	-3.269009876	-6.302722164	-4.56565348	-1.583311876	0.6863561	0.4840207	0.5911767	0.8333634	2.261869
5503000000	1.204277184	1.93731547	-3.726091448	-6.517937544	-5.538685789	-1.856228483	0.6511716	0.4721751	0.5395811	0.8705856	1.8351444
5503000000	1.204277184	1.989675347	-5.277775338	-6.80090473	-5.879307517	-2.58282438	0.5446421	0.4570406	0.508512	0.7710559	1.1428603
5503000000	1.204277184	2.042035225	-8.05396973	-7.268118795	-5.638054832	-2.792394513	0.3956412	0.4331059	0.5225132	0.7250706	0.3253311
5503000000	1.204277184	2.094395102	-9.356782184	-7.793654909	-4.884398358	-3.488648343	0.3405343	0.407678	0.5698756	0.669218	-0.055306
5503000000	1.204277184	2.14675498	-7.127093729	-8.106881393	-4.385725134	-4.456828581	0.4401952	0.3932384	0.6035507	0.5986301	0.1533101
5503000000	1.204277184	2.199114858	-5.547899977	-8.20609705	-4.819027031	-5.691301259	0.5279648	0.3887772	0.5741778	0.5193199	0.4043352
5503000000	1.204277184	2.251474735	-5.799186232	-8.40048887	-6.557947194	-6.659375095	0.5129094	0.3801628	0.4700052	0.4645487	-0.782828
5503000000	1.204277184	2.303834613	-7.83677602	-8.865761003	-9.356519225	-6.693449579	0.4056591	0.3603396	0.3405446	0.4627299	-2.106629
5503000000	1.204277184	2.35619449	-10.98079315	-9.372862089	-11.47698808	-6.302036065	0.2824622	0.3399045	0.2667784	0.486589	-3.265899
5503000000	1.204277184	2.408554368	-12.40945397	-9.549806882	-12.28062341	-6.260997059	0.2967223	0.3330052	0.2432029	0.4863514	-3.726867
5503000000	1.204277184	2.460914245	-11.38157532	-9.644558847	-13.75274071	-6.492614394	0.2692725	0.3294368	0.2052877	0.4735358	-3.889961
5503000000	1.204277184	2.513274123	-9.520145131	-10.405705748	-15.2675469	-6.468715768	0.3341895	0.3000179	0.1724339	0.4748585	-3.86623
5503000000	1.204277184	2.565634	-7.20775025	-12.52511738	-14.78479438	-6.102907903	0.4361265	0.2634526	0.1822889	0.4952843	-3.412944
5503000000	1.204277184	2.617993878	-5.768872784	-14.73336307	-14.29766632	-5.753383262	0.5147026	0.1833715	0.1928043	0.5156213	-0.357807
5503000000	1.204277184	2.670353756	-6.075883265	-13.56370573	-14.710754811	-5.741754811	0.4968277	0.2098045	0.1838472	0.516312	-0.056006
5503000000	1.204277184	2.722713633	-8.092099764	-11.11535822	-15.24017879	-6.309974733	0.3939082	0.2781199	0.1729781	0.4836167	-3.552566
5503000000	1.204277184	2.775073511	-9.618700139	-9.551328625	-16.15477309	-7.440217709	0.330449	0.3329918	0.1556902	0.4624608	-4.126218
5503000000	1.204277184	2.827433388	-8.748373121	-8.91803659	-17.15569488	-8.533110066	0.3652425	0.3581774	0.1387443	0.3744075	-4.176214
5503000000	1.204277184	2.879793266	-8.424791451	-9.277384324	-15.15374202	-9.142224057	0.3791058	0.3436614	0.174708	0.3490509	-4.106572
5503000000	1.204277184	2.932153143	-9.312274678	-10.98042747	-12.82846632	-10.07178764	0.3422837	0.2824741	0.2283372	0.313625	-4.681267
5503000000	1.204277184	2.984513021	-10.22092689	-14.64164449	-12.8463995	-12.21757246	0.3082859	0.1853181	0.2278663	0.2449748	-6.317057
5503000000	1.204277184	3.036872899	-11.41199401	-21.44499192	-16.05889102	-15.52245432	0.2687821	0.0846741	0.1574184	0.167447	-9.391888
5503000000	1.204277184	3.089327776	-14.94286502	-26.45480528	-22.22950346	-18.72446411	0.1790015	0.047562	0.0773615	0.1155784	-13.56589
5503000000	1.204277184	3.141592654	-24.03857018	-21.4203935	-18.06654215	-21.99383233	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.256637061	-3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.256637061	-3.089232776	-24.6568439	-18.40476654	-17.24200849	-27.54397964	0.0585003	0.1201605	0.1836114	0.0419567	-13.88806
5503000000	1.256637061	-3.036872899	-19.55646067	-15.45751615	-14.38368313	-26.36749594	0.1052391	0.1687035	0.1909004	0.04083	-11.8204
5503000000	1.256637061	-2.984513021	-16.40614573	-12.8570039	-15.87946259	-21.457167	0.1512491	0.2275882	0.1607041	0.0845555	-10.11556
5503000000	1.256637061	-2.932153143	-14.36647114	-11.1335637	-19.41734939	-17.77842434	0.191283	0.2775376	0.1069381	0.1291454	-9.057999
5503000000	1.256637061	-2.879793266	-15.04906721	-10.31798206	-29.31065428	-14.31997279	0.1768262	0.3048603	0.0342348	0.1923098	-9.0171
5503000000	1.256637061	-2.827433388	-18.87072333	-10.14451166	-22.53511507	-11.53008828	0.1338843	0.31101	0.0746869	0.2651524	-8.350396
5503000000	1.256637061	-2.775073511	-16.88355605	-10.317323	-16.10407542	-9.806807911	0.1431602	0.3048834	0.1566016	0.3233401	-6.669777
5503000000	1.256637061	-2.722713633	-11.87676829	-10.79384696	-13.33720577	-9.24545834	0.2547778	0.2886075	0.2153474	0.3449269	-5.163896
5503000000	1.256637061	-2.670353756	-9.381534899	-11.62199146	-11.41467743	-9.844710649	0.3395653	0.2623167	0.268699	0.3219322	-4.911008
5503000000	1.256637061	-2.617993878	-8.425330314	-12.41978829	-9.416796966	-11.43240407	0.3790823	0.2393374	0.3381895	0.2681512	-4.259577
5503000000	1.256637061	-2.565634	-8.310877169	-12.6248371	-7.705833699	-12.95964672	0.3841105	0.2337535	0.4118208	0.2249146	-4.050498
5503000000	1.256637061	-2.513274123	-8.724280279	-12.3671044	-6.604041066	-12.45266246	0.366257	0.2407935	0.4675176	0.2384333	-3.655296
5503000000	1.256637061	-2.460914245	-9.565127542	-11.74381512	-6.06317751	-10.63387426	0.3324632	0.2587076	0.497555	0.2939722	-2.260552
5503000000	1.256637061	-2.408554368	-10.48433983	-10.54811275	-5.9						

5503000000	1.256637061	0.314159265	-0.671895489	2.195857734	-0.268351684	2.5487806	0.9255614	1.2876353	0.9695772	1.3410317	7.0894788
5503000000	1.256637061	0.366519143	0.003460326	2.425231951	-1.376457057	2.388618005	1.0003985	1.3220918	0.8534482	1.3165304	7.0291015
5503000000	1.256637061	0.462354366	0.462354366	2.493867393	-2.633645849	2.20807304	1.0546727	1.3325802	0.7384442	1.2894475	6.8782989
5503000000	1.256637061	0.471238898	0.494977112	2.450358572	-3.043312814	2.069352203	1.0586414	1.3259219	0.7044243	1.2690175	6.7651547
5503000000	1.256637061	0.523598776	0.230700882	2.38607751	-2.661264059	2.03429843	1.0269163	1.3161454	0.7361	1.2639983	6.7355156
5503000000	1.256637061	0.575958653	-0.237036494	2.364040447	-2.512942679	2.090932304	0.9730792	1.3128104	0.7487776	1.2721743	6.662578
5503000000	1.256637061	0.628318531	-0.760134374	2.38688536	-3.11147733	2.13882954	0.9162063	1.3162678	0.6989444	1.2792089	6.4663364
5503000000	1.256637061	0.680678408	-1.072190724	2.434838803	-4.356611705	2.070576592	0.8838742	1.3235548	0.6055771	1.2691964	6.197291
5503000000	1.256637061	0.733038286	-1.185637386	2.513983929	-5.739913616	1.829684484	0.872405	1.3356701	0.5164525	1.2344405	5.9311278
5503000000	1.256637061	0.785398163	-1.45706443	2.644780544	-6.903425452	1.417294295	0.8455646	1.3535935	0.4516778	1.1727392	5.6443213
5503000000	1.256637061	0.837558041	-2.014375972	2.810671362	-8.48638644	0.874903713	0.7930146	1.3820812	0.3764269	1.1059747	5.2430808
5503000000	1.256637061	0.890117919	-2.392622893	2.94663905	-12.12840385	0.272970037	0.7592221	1.4038864	0.2475026	1.0319259	4.7169724
5503000000	1.256637061	0.942477796	-2.009250961	2.984856184	-21.47030351	-0.296028341	0.7934827	1.4100769	0.0844277	0.9649277	4.2290322
5503000000	1.256637061	0.994833674	-1.184470933	2.898114979	-12.65415027	-0.739049464	0.8725221	1.3960654	0.232966	0.9184331	4.6598881
5503000000	1.256637061	1.047197551	-0.603635659	2.706387274	-6.364239344	-1.003683201	0.9328637	1.365587	0.4806047	0.8908731	5.2725522
5503000000	1.256637061	1.099557429	-0.462233881	2.455933653	-3.246225944	-1.104515313	0.9481746	1.3267732	0.6881589	0.880591	5.6743843
5503000000	1.256637061	1.151917306	-0.526448989	2.185977381	-1.793773582	-1.095318182	0.9411905	1.2861715	0.8134134	0.8815239	5.8502147
5503000000	1.256637061	1.204277184	-0.479053419	1.900720447	-1.531459258	-1.021872743	0.9463403	1.2446178	0.8383532	0.8890094	5.8413998
5503000000	1.256637061	1.256637061	-0.253050485	1.567253425	-2.282009094	-0.92370878	0.9712868	1.1977403	0.7689526	0.8991136	5.6594471
5503000000	1.256637061	1.308996399	-0.035760247	1.135312184	-3.956681909	-0.867729934	0.9958914	1.1396346	0.6341119	0.9049269	5.2835182
5503000000	1.256637061	1.361356817	-0.025860835	0.55562169	-6.308557049	-0.896984092	0.9970271	1.0660586	0.4836956	0.8977405	4.7219788
5503000000	1.256637061	1.413716694	-0.278895215	-0.208287542	-8.615434774	-1.163055421	0.968401	0.9763052	0.3708756	0.874676	4.055916
5503000000	1.256637061	1.466076572	-0.689040675	-1.16434315	-10.26500958	-1.464811221	0.9237362	0.8745464	0.3067252	0.8484108	3.3753062
5503000000	1.256637061	1.518436449	-1.066707141	-2.268805684	-11.53146243	-1.671315641	0.8844324	0.7701223	0.2656604	0.8249625	2.7508093
5503000000	1.256637061	1.57096327	-1.284182827	-3.399748	-11.39422992	-1.665966371	0.8625631	0.6761026	0.2693323	0.8254707	2.3999634
5503000000	1.256637061	1.623156204	-1.403313526	-4.356163283	-9.057281617	-1.510293091	0.8508134	0.6050683	0.3524812	0.8403986	2.440279
5503000000	1.256637061	1.675516082	-1.633963777	-4.959393812	-6.529148163	-1.372523131	0.8285177	0.5659764	0.4715661	0.8538348	2.6672489
5503000000	1.256637061	1.72787596	-2.101345186	-5.218710237	-4.866346607	-1.380188131	0.785114	0.5483584	0.5710612	0.8538061	2.7900736
5503000000	1.256637061	1.780235837	-2.639728403	-5.310713448	-4.147926496	-1.557114368	0.7379273	0.5425807	0.6203027	0.8358807	2.7239165
5503000000	1.256637061	1.832595715	-2.917324264	-5.390744854	-4.25253744	-1.846949935	0.7147165	0.5376043	0.6128767	0.8084488	2.5214791
5503000000	1.256637061	1.884955592	-2.966077701	-5.17772094	-4.972273454	-2.190503308	0.7107161	0.5298024	0.5641393	0.7770963	2.2176975
5503000000	1.256637061	1.93731547	-3.319307632	-5.730039583	-5.926165108	-2.587311554	0.6823931	0.5170089	0.5054658	0.7423939	1.7530084
5503000000	1.256637061	1.989675347	-4.574266843	-6.10905959	-6.478135396	-3.0740195	0.5905908	0.4949337	0.4743438	0.7019387	1.0685109
5503000000	1.256637061	2.042035225	-6.964616134	-6.705774812	-6.173352566	-3.69046674	0.448507	0.4620737	0.4912837	0.6538478	0.2386464
5503000000	1.256637061	2.094395102	-8.737167253	-7.392013255	-5.404447278	-4.513267565	0.365714	0.4269719	0.5367569	0.594753	-0.335614
5503000000	1.256637061	2.14675498	-7.133593277	-7.864215167	-5.005251067	-5.624585989	0.4398659	0.4043796	0.5620015	0.5233241	-0.311384
5503000000	1.256637061	2.199114858	-5.351551412	-7.981794894	-5.692622799	-6.799660262	0.5400356	0.3989425	0.5192409	0.4571061	-0.37575
5503000000	1.256637061	2.251474735	-5.171995483	-7.982630877	-7.241124058	-7.241124058	0.5513155	0.3989041	0.3957201	0.434454	-1.010279
5503000000	1.256637061	2.30834613	-6.692927458	-8.15017611	-12.26298699	-6.752210211	0.4625777	0.3912832	0.2436973	0.45961	-2.178886
5503000000	1.256637061	2.35619449	-9.483744457	-8.499718829	-14.66787756	-6.334212958	0.3355929	0.3784896	0.1847592	0.4822741	-2.322617
5503000000	1.256637061	2.408554368	-11.4036128	-8.864015815	-13.38971237	-6.538845658	0.2690416	0.360412	0.2140496	0.4710399	-3.645104
5503000000	1.256637061	2.460914245	-10.78608531	-9.32556833	-13.3010259	-6.949043121	0.2888655	0.3414854	0.2164263	0.4493118	-3.769109
5503000000	1.256637061	2.513274123	-9.271403278	-10.42210828	-13.68779839	-6.793638368	0.3438981	0.3012275	0.2068284	0.4574231	-3.679305
5503000000	1.256637061	2.565634	-7.380462154	-12.50352029	-13.35024999	-6.153745426	0.4275401	0.2370403	0.2150245	0.492394	-3.275139
5503000000	1.256637061	2.617993878	-6.001651013	-14.17376354	-13.62892994	-5.669946646	0.501092	0.1955743	0.2082349	0.5205982	-2.941259
5503000000	1.256637061	2.670353756	-6.054665946	-12.74700335	-15.02034795	-5.721769157	0.4980428	0.2304888	0.1774118	0.5175014	-2.953787
5503000000	1.256637061	2.722713633	-7.634168336	-10.62299675	-16.00562055	-6.458319506	0.4152327	0.2943406	0.1583868	0.4754272	-3.456575
5503000000	1.256637061	2.775073511	-9.216205088	-9.409951347	-16.36543817	-7.15625934	0.3460906	0.3384562	0.1519596	0.4113568	-4.097261
5503000000	1.256637061	2.827433388	-8.993452106	-9.061780543	-16.96905827	-8.796554833	0.355081	0.3522986	0.1417578	0.3632221	-3.447971
5503000000	1.256637061	2.877939266	-8.801612566	-9.596519681	-15.28653247	-9.374158197	0.3630107	0.3312638	0.1720574	0.3398538	-4.392317
5503000000	1.256637061	2.932153143	-9.435073706	-11.36824687	-12.78158194	-10.34680121	0.3374787	0.2701392	0.2270958	0.3038505	-4.89345
5503000000	1.256637061	2.984513021	-10.08185268	-15.00422585	-12.65391789	-12.50964171	0.3132617	0.1777414	0.2329722	0.2368743	-6.367491
5503000000	1.256637061	3.036872899	-11.26675566	-21.46686049	-15.63238316	-15.67513328	0.2733142	0.0844417	0.1653411	0.1645293	-9.27355
5503000000	1.256637061	3.089327776	-14.88019296	-25.56168491	-21.91589014	-18.70295143	0.1802978	0.0527128	0.0802057	0.161054	-13.36494
5503000000	1.256637061	3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.256637061	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.256637061	3.08996939	-3.089232776	-18.69495358	-14.6338097	-27.13135473	0.0587278	0.1612214	0.1854853	0.0439979	-13.88387
5503000000	1.256637061	3.08996939	-3.03687899	-19.36491447	-15.77137011	-26.01228734	0.1075856	0.1627165	0.1935578	0.0500479	-11.8029
5503000000	1.256637061	3.08996939	-2.984513021	-16.00128647	-13.04811069	-22.48389243	0.1584658	0.2226355	0.165836	0.0751286	-10.14387
5503000000	1.256637061	3.08996939	-2.932153143	-13.95712712	-11.1908432	-19.12629447	0.2005135	0.2757134	0.1156108	0.1105822	-0.088663
5503000000	1.256637061	3.08996939	-2.879793266	-14.80157895	-27.59302366	-14.79556125	0.181937	0.30548	0.0417204	0.1820631	-8.980758
5503000000	1.256637061	3.08996939	-2.827433388	-19.32417582	-10.16681836	-23.13975143	0.1080914	0.3102213	0.0696646	0.272988	-8.393404
5503000000	1.256637061	3.08996939	-2.775073511	-16.85094673	-16.10210846	-9.195384506	0.1436986	0.2977871	0.1566371	0.3469211	-6.51156
5503000000	1.256637061	3.08996939	-2.722713633	-11.47443088	-11.26390144	-8.470129786	0.2668569	0.273404	0.222475	0.371321	-8.885242
5503000000	1.256637061	3.08996939	-2.670353756	-9.037636041	-12.27220424	-10.98133383	0.3532793	0.2434388	0.2824446	0.3563605	-4.183582
5503000000	1.256637061	3.08996939	-2.617993878	-8.24155568	-12.8658297	-10.49606549	0.3871883	0.2273571	0.3525468	0.2968735	-3.973533
5503000000	1.256637061	3.08996939	-2.565634	-8.200414292	-12.5725931	-12.35559013	0.3890266	0.2351367	0.4177935	0.2411129	-3.855412
5503000000	1.256637061	3.08996939	-2.513274123	-8.384864053	-12.102590						

5503000000	1.308996939	0.20943951	0.433367645	1.421037745	0.148963605	2.653217987	1.0511589	1.1777467	1.017298	1.3572533	7.2410816
5503000000	1.308996939	0.261799388	-0.650072242	1.753417244	0.196466707	2.61869382	0.9278898	1.2236885	1.0228768	1.3518693	7.0943134
5503000000	1.308996939	0.314159265	-0.608213009	2.150397134	-0.235676722	2.54700596	0.9323723	1.2809137	0.9732315	1.3407577	7.0961379
5503000000	1.308996939	0.366519143	0.105509594	2.461475703	-1.368225506	2.445944214	1.0122213	1.32762	0.8542574	1.3252482	7.0809135
5503000000	1.308996939	0.41887902	0.53538061	2.604517313	-2.710495767	2.307959094	1.0635772	1.3496646	0.7319395	1.3043614	6.945708
5503000000	1.308996939	0.471238898	0.520704228	2.590080834	-3.064305342	2.150691032	1.0617816	1.347412	0.7072739	1.280957	6.8343761
5503000000	1.308996939	0.525398776	0.244855577	2.48898284	-2.93568179	2.024331241	1.0285911	1.3318311	0.7594866	1.2624569	6.8135723
5503000000	1.308996939	0.575958653	-0.172752425	2.379263479	-1.922894419	1.961206908	0.9803076	1.3151133	0.801411	1.2333153	6.7494972
5503000000	1.308996939	0.628318531	-0.591827561	2.30553484	-2.293177945	1.930178832	0.9341328	1.3039974	0.7679644	1.2488462	6.5572706
5503000000	1.308996939	0.680678408	-0.772840518	2.28273457	-3.505019801	1.85828624	0.914867	1.300579	0.6679578	1.2385522	6.281467
5503000000	1.308996939	0.730382826	-0.772653729	2.324320621	-5.211633778	1.688640937	0.9148867	1.3068208	0.5488053	1.2145966	5.988205
5503000000	1.308996939	0.785398163	-0.975592611	2.441897236	-6.988740907	1.410092443	0.8937589	1.3246308	0.447263	1.1762635	5.6703759
5503000000	1.308996939	0.837758041	-1.508610091	2.609646341	-9.037968154	1.047816363	0.8405615	1.3504618	0.3532658	1.1282123	5.2786395
5503000000	1.308996939	0.890117919	-1.892252289	2.75279114	-12.40018987	0.640318876	0.8042432	1.3729021	0.239878	1.0765047	4.8446487
5503000000	1.308996939	0.942477796	-1.515419936	2.787183949	-16.07624564	0.223899485	0.8390027	1.378349	0.1571042	1.0261125	4.6127289
5503000000	1.308996939	0.994836764	-0.67115118	2.664911117	-11.30167728	-0.168505242	0.9256407	1.3590817	0.2722176	0.9807871	4.9538864
5503000000	1.308996939	1.047197551	-0.039559708	2.390644178	-6.562416019	-0.500595174	0.9954559	1.3168376	0.4697634	0.9439962	5.4043808
5503000000	1.308996939	1.099557429	0.171577369	2.012721624	-8.242461898	-0.736868294	1.01995	1.2607706	0.6438533	0.9186638	5.6733448
5503000000	1.308996939	1.151917306	0.167664247	1.595429527	-2.511346845	-0.226299054	1.0194906	1.201632	0.7489152	0.9054929	5.7460236
5503000000	1.308996939	1.204277184	0.231760613	1.179849558	-2.365112145	-0.89377948	1.0270464	1.1454931	0.7616306	0.902217	5.6578378
5503000000	1.308996939	1.256637061	0.416926632	0.761984516	-3.39361071	-0.676856163	1.0491711	1.0916897	0.6808194	0.9039766	5.4034573
5503000000	1.308996939	1.308996939	0.55859363	0.306599064	-5.511297145	-0.982622241	1.0664234	1.035929	0.5301944	0.9033413	4.9493705
5503000000	1.308996939	1.361356817	0.506729003	-0.229058026	-8.808123991	-0.896014457	1.0600747	0.9739734	0.3627386	0.9221245	4.3206807
5503000000	1.308996939	1.413716694	0.247276648	-0.886308959	-11.67392506	-1.23198383	1.0288779	0.9029934	0.2607977	0.8677624	3.6905528
5503000000	1.308996939	1.466076572	-0.112959273	-1.701649329	-11.6278762	-1.540179339	0.9870793	0.8208065	0.261284	0.837512	3.2538619
5503000000	1.308996939	1.518436449	-0.43578227	-2.694665085	-10.46797261	-1.768232067	0.9510665	0.7332748	0.2996411	0.8158088	2.9219129
5503000000	1.308996939	1.570796327	-0.667339423	-3.837102103	-9.029988807	-1.813423067	0.926047	0.6429022	0.3535905	0.8115753	2.7157357
5503000000	1.308996939	1.623156204	-0.892549721	-4.993105208	-7.164720287	-1.72723824	0.9023448	0.5627879	0.4382924	0.8196318	2.6805345
5503000000	1.308996939	1.675516082	-1.266574726	-5.888996479	-5.465491164	-1.664906407	0.8643134	0.5076334	0.5303501	0.8255715	2.7044707
5503000000	1.308996939	1.72787596	-1.854119511	-6.284562025	-4.41883876	-1.754597053	0.8077817	0.4850337	0.6012541	0.8170905	2.6425031
5503000000	1.308996939	1.780235837	-2.487578642	-6.243644494	-4.170929033	-2.037086532	0.7509674	0.487324	0.6186622	0.7909439	2.437423
5503000000	1.308996939	1.832595715	-2.859117954	-6.039858222	-4.712862756	-2.467487048	0.719522	0.4988926	0.5812442	0.7527065	2.118257
5503000000	1.308996939	1.884955592	-2.957554022	-5.888385408	-5.920477703	-2.960464056	0.7114138	0.5076691	0.5057968	0.7111755	1.7131429
5503000000	1.308996939	1.937315447	-3.233695202	-5.90811782	-7.3849158	-3.450898783	0.6891523	0.5065171	0.427321	0.6712328	1.1955201
5503000000	1.308996939	1.989675347	-4.222180138	-6.189218853	-8.216802084	-3.936493041	0.6150225	0.4903871	0.3882925	0.6355875	0.5404947
5503000000	1.308996939	2.042035225	-6.11714809	-6.77591055	-8.49597558	-4.9597558	0.494473	0.4583576	0.4045682	0.5959382	-0.205056
5503000000	1.308996939	2.094395029	-7.677298999	-7.550269711	-7.016652037	-5.258970648	0.431376	0.419263	0.4458281	0.5458225	-0.799677
5503000000	1.308996939	2.14675498	-6.63977772	-8.155328897	-6.643775842	-6.229267607	0.4655598	0.3910513	0.4653837	0.4881313	-0.866241
5503000000	1.308996939	2.199114858	-4.972912571	-8.27193647	-7.463678846	-6.960963209	0.5640978	0.3858364	0.4234636	0.4486956	-0.809187
5503000000	1.308996939	2.251474735	-4.569590837	-8.079544019	-10.13425505	-8.36139354	0.5909088	0.394478	0.3113776	0.4551903	-1.150142
5503000000	1.308996939	2.303834613	-5.736913238	-8.026510508	-14.34490904	-6.26457687	0.5165999	0.3968399	0.1917585	0.486151	-1.984995
5503000000	1.308996939	2.35619449	-8.237801191	-8.323316707	-14.10307472	-6.14422559	0.3873557	0.3835608	0.1970083	0.4929339	-2.728435
5503000000	1.308996939	2.408554368	-10.39437415	-8.874768765	-11.98232876	-6.675174649	0.3021908	0.3599661	0.2517002	0.4637005	-3.23838
5503000000	1.308996939	2.460914245	-10.08079291	-9.612074631	-11.73932387	-7.164459792	0.3133	0.3306711	0.2588414	0.4383056	-3.471259
5503000000	1.308996939	2.513274123	-8.864975687	-10.81627128	-12.10185768	-6.80126286	0.3603721	0.2878634	0.2482602	0.4570217	-3.391323
5503000000	1.308996939	2.565634	-7.529721271	-12.3606776	-12.09657927	-6.010887501	0.420256	0.2335964	0.2484111	0.5005594	-3.080543
5503000000	1.308996939	2.617993878	-6.380134508	-13.49359644	-12.85731319	-5.574593567	0.479726	0.2115048	0.2275801	0.5263448	-8.223207
5503000000	1.308996939	2.670353756	-6.229397915	-11.93352803	-15.04976717	-5.805122249	0.4881239	0.2531183	0.176826	0.512559	-2.91007
5503000000	1.308996939	2.722713633	-7.378401462	-10.21284215	-16.59223602	-6.742528037	0.4276416	0.308573	0.1480426	0.4601226	-3.45016
5503000000	1.308996939	2.775073511	-8.904327251	-9.407490064	-16.2106116	-8.09515921	0.3587432	0.3385521	0.1546926	0.397695	-4.111931
5503000000	1.308996939	2.827433388	-9.281927979	-9.394597513	-16.26398581	-9.124148709	0.3434817	0.339055	0.1537449	0.3497781	-4.538469
5503000000	1.308996939	2.879793266	-9.265227625	-10.1229139	-15.10496504	-9.681979771	0.3441427	0.3317843	0.1756919	0.3280205	-4.73414
5503000000	1.308996939	2.932153143	-9.596303103	-11.93494477	-12.86842692	-10.7125162	0.3312721	0.253077	0.2272891	0.2913226	-5.169398
5503000000	1.308996939	2.984513021	-9.956992582	-15.47075887	-12.48627492	-12.86972702	0.3177974	0.1684465	0.2375124	0.2722551	-6.456885
5503000000	1.308996939	3.036872899	-11.13472941	-21.434233	-15.26381463	-15.84055038	0.2775003	0.084779	0.172508	0.1614256	-9.165757
5503000000	1.308996939	3.089232776	-14.83132051	-24.73931129	-21.60594296	-18.6612471	0.1813151	0.0579475	0.0831195	0.1166642	-13.17039
5503000000	1.308996939	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.361356817	-3.141592654	-24.03857029	-21.42039322	-18.06654227	-21.99383264	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.361356817	-3.089232776	-24.59711834	-19.00773361	-14.54901894	-26.70172109	0.0589039	0.112102	0.1873049	0.0462289	-13.88138
5503000000	1.361356817	-3.036872899	-19.17256711	-16.13451444	-14.13108161	-25.44795915	0.1099947	0.1560538	0.1965377	0.0534075	-11.76771
5503000000	1.361356817	-2.984513021	-15.64196669	-13.30155675	-15.27973291	-22.94733353	0.1651588	0.2162331	0.1721922	0.0712251	-10.10565
5503000000	1.361356817	-2.932153143	-13.62731878	-11.31797564	-17.93780669	-19.59359391	0.2082735	0.2177072	0.1267972	0.1047901	-8.976271
5503000000	1.361356817	-2.879793266	-14.63894963	-10.35242454	-25.05096096	-14.46915685	0.1853756	0.3036538	0.0559052	0.189035	-8.707039
5503000000	1.361356817	-2.827433388	-19.98153773	-10.24541934	-23.42067476	-10.61449384	0.1002128	0.3074178	0.0674476	0.2946289	-8.294091
5503000000	1.361356817	-2.775073511	-17.12063033	-10.75515836	-16.17303681	-8.471199084	0.1393056	0.2898959	0.1553632	0.3770857	-6.360256
5503000000	1.361356817	-2.722713633	-11.41275697	-11.70952371	-12.92111365	-7.78412435	0.2687585	0.259731	0.2259146	0.4081255	-4.712519
5503000000	1.361356817	-2.670353756	-9.105357015	-12.74916883	-10.69587492	-8.340029479	0.3505356	0.2304313	0.2918813	0.3828234	-4.043078
5503000000	1.361356817	-2.617993878	-8.612740456	-12.879388	-8.807941245						

5503000000	1.361356817	0.104719755	1.860093954	1.268399004	0.711762601	2.541053821	1.23881	1.1572307	1.0853958	1.3398392	7.6426395
5503000000	1.361356817	0.157079633	1.534147379	1.206227292	0.197840262	2.576468763	1.1931839	1.1489771	1.0230386	1.3453133	7.4407639
5503000000	1.361356817	0.20943951	0.414639735	1.323688	0.121570581	2.588861806	1.0488949	1.1646204	1.0140947	1.3472342	7.1869264
5503000000	1.361356817	0.261799388	-0.644401955	1.655917735	0.193523487	2.561666361	0.9284957	1.2100293	1.0225303	1.3430226	7.0515179
5503000000	1.361356817	0.314159265	-0.536931936	1.200990179	-0.204586537	2.5228766	0.9400553	1.2736483	0.9767213	1.3370382	7.0964866
5503000000	1.361356817	0.366519143	0.19804127	2.492632317	-1.348803336	2.479822196	1.0230623	1.3323908	0.856167	1.3304272	7.1244433
5503000000	1.361356817	0.41887902	0.591620287	1.371591618	2.268994919	2.403129769	1.0704861	1.3669719	0.7270265	1.3187318	7.0111939
5503000000	1.361356817	0.471238898	0.514621183	2.745363667	-3.076332228	2.270685188	1.0610383	1.3717286	0.7017516	1.298776	6.9139316
5503000000	1.361356817	0.523598776	0.197270617	2.003172505	-2.147064709	2.100891985	1.0229715	1.353657	0.7809923	1.2736339	6.9099343
5503000000	1.361356817	0.575958653	-0.206212645	2.445097126	-1.441396786	1.935725451	0.9765385	1.3251889	0.8470912	1.2496439	6.8452797
5503000000	1.361356817	0.628318531	-0.554955571	2.257838755	-1.685435111	1.796112844	0.9381067	1.2968565	0.8236226	1.2297183	6.6251116
5503000000	1.361356817	0.680678408	-0.627848799	2.114501123	-2.955973221	1.662628084	0.9302669	1.275631	0.7115433	1.2109645	6.2950473
5503000000	1.361356817	0.733038286	-0.516043395	2.048478448	-5.007880192	1.503813657	0.9423187	1.2659715	0.5618314	1.1890242	5.9314299
5503000000	1.361356817	0.785398163	-0.636569197	2.082155835	-7.254046681	1.312043068	0.9293334	1.2708895	0.4338081	1.1630601	5.5684204
5503000000	1.361356817	0.837758041	-1.138819683	2.200114234	-9.141534409	1.104270054	0.87712	1.2882665	0.3490786	1.1355689	5.2253385
5503000000	1.361356817	0.890117919	-1.561706245	2.330930778	-10.80979777	0.894287391	0.8354389	1.3078157	0.288078	1.1084456	4.958921
5503000000	1.361356817	0.942477796	-1.262555522	2.377411648	-12.08048619	0.670631305	0.8647135	1.314833	0.2488718	1.10802681	4.8822911
5503000000	1.361356817	0.994837654	-0.463595423	2.265862983	-11.23643173	0.403229902	0.948026	1.2980552	0.2742701	1.1047518	5.0257856
5503000000	1.361356817	1.047197551	0.169544484	1.295236901	-8.637428341	0.0749822	1.0197113	1.2549079	0.3699377	1.100867	5.2329329
5503000000	1.361356817	1.099554729	0.412753219	1.522749681	-6.35103453	-0.129884112	1.0486671	1.1916192	0.4813359	0.966954	5.3165753
5503000000	1.361356817	1.151917306	0.45322237	0.97589783	-5.085987731	-0.647318358	1.0535645	1.1818093	0.5568018	0.928184	5.2429908
5503000000	1.361356817	1.204277184	0.553687785	0.387752493	-4.999933678	-0.95500977	1.0658213	1.0456331	0.5623456	0.8958793	5.0320328
5503000000	1.361356817	1.256637061	0.743361074	-0.216496226	-6.238228642	-1.217881231	1.0893515	0.975383	0.4876279	0.89691724	4.6638196
5503000000	1.361356817	1.308996039	0.846417341	-0.835713216	-8.968524177	-1.468509016	1.1023535	0.9082687	0.3561015	0.8444512	4.1126791
5503000000	1.361356817	1.361356817	0.735885683	-1.471034499	-12.21253007	-1.739599605	1.0884144	0.8442057	0.245117	0.8185025	3.510931
5503000000	1.361356817	1.413716694	0.443695767	-2.131351639	-11.61001542	-2.020441954	1.0524096	0.7824064	0.2627237	0.792461	3.1973591
5503000000	1.361356817	1.466076572	0.104085032	-2.858231136	-9.322029209	-2.29420397	1.0120553	0.7189595	0.3418996	0.7736223	3.0676763
5503000000	1.361356817	1.518436449	-0.168951167	-3.730478361	-11.81209998	-2.267561862	0.9807367	0.6508428	0.3930425	0.7702326	2.9065845
5503000000	1.361356817	1.570796327	-0.384872666	-4.828196332	-7.457374673	-2.131026869	0.9566572	0.573575	0.423771	0.7824357	2.7231153
5503000000	1.361356817	1.623156204	-0.671638552	-6.145672432	-6.578122721	-1.936551314	0.9255888	0.4928518	0.4689147	0.8001519	2.5663928
5503000000	1.361356817	1.675516082	-1.160352126	-7.452853258	-5.550995896	-1.832547073	0.8749483	0.4239917	0.5277767	0.8097904	2.3999791
5503000000	1.361356817	1.72787596	-1.84942783	-8.275148955	-4.902780658	-1.919394995	0.8082182	0.3856937	0.5686709	0.8017339	2.1588331
5503000000	1.361356817	1.780235837	-2.534285367	-8.344085776	-4.951028282	-2.221653602	0.74694	0.3826447	0.5655208	0.7743144	1.831299
5503000000	1.361356817	1.832595715	-2.93852771	-7.947292581	-5.804601182	-2.68206761	0.7129739	0.4050303	0.5125898	0.734339	1.4392336
5503000000	1.361356817	1.884955592	-3.069942584	-7.477627042	-7.402220895	-3.178466673	0.702268	0.4227842	0.4264705	0.6935482	1.0040008
5503000000	1.361356817	1.93731547	-3.307411997	-7.137716217	-9.211844186	-3.599193347	0.6833283	0.3967757	0.3462644	0.6607548	0.5470111
5503000000	1.361356817	1.989675347	-4.074340534	-7.046259644	-9.444252322	-3.955961658	0.6255802	0.444311	0.3182639	0.6341665	0.0963955
5503000000	1.361356817	2.042035225	-5.468003811	-7.305793403	-9.291943002	-4.397608113	0.5328437	0.4312314	0.3430859	0.6027255	-0.400449
5503000000	1.361356817	2.094395102	-6.573757821	-7.918534724	-8.444364492	-5.053737495	0.4691504	0.4018586	0.3782525	0.558873	-0.875985
5503000000	1.361356817	2.14675498	-5.889488092	-8.635019753	-8.146517696	-5.792044306	0.5076047	0.3700403	0.391448	0.5133313	-1.000378
5503000000	1.361356817	2.199114858	-4.510576823	-8.99774665	-8.796477382	-6.130683685	0.5949372	0.3549504	0.3632253	0.4937031	-0.882537
5503000000	1.361356817	2.251474735	-4.040920971	-8.907077729	-10.47292929	-5.862848014	0.6279918	0.3586296	0.2994701	0.5901639	-0.938075
5503000000	1.361356817	2.303834613	-4.966763935	-8.840166103	-11.59489828	-5.573980096	0.5644972	0.361403	0.2631813	0.526382	-1.33297
5503000000	1.361356817	2.35619449	-7.229352269	-9.190459512	-10.5525616	-5.848754005	0.4350432	0.3471179	0.2967371	0.5099098	-1.998729
5503000000	1.361356817	2.408554368	-9.510528646	-9.911319139	-9.74554452	-6.602000419	0.3345597	0.3194729	0.3256288	0.4676274	-2.809496
5503000000	1.361356817	2.460914245	-9.440963469	-10.77401018	-10.22868956	-6.976669076	0.3372499	0.2892674	0.3080105	0.447885	-3.207845
5503000000	1.361356817	2.5153274123	-8.409875624	-11.84214985	-11.00356822	-6.436782484	0.3797574	0.2557953	0.2817225	0.4766075	-3.136075
5503000000	1.361356817	2.565634	-7.604862418	-13.02619489	-11.2202057	-5.71858532	0.4166361	0.223198	0.2747829	0.5176911	-2.899871
5503000000	1.361356817	2.617993878	-6.831719698	-12.91224923	-12.12487	-5.519203633	0.455442	0.2261453	0.2476033	0.529712	-2.740193
5503000000	1.361356817	2.670353756	-6.545091132	-11.24353187	-14.74586833	-6.029893054	0.4707013	0.274046	0.1831077	0.4994653	-2.930171
5503000000	1.361356817	2.722713633	-7.285028866	-9.88666533	-16.90550576	-7.185563666	0.4322635	0.3203809	0.1427989	0.4372419	-3.526048
5503000000	1.361356817	2.775073511	-8.706142643	-9.496082535	-15.89082307	-8.580836452	0.3670227	0.3351165	0.160494	0.3723558	-4.187338
5503000000	1.361356817	2.827433388	-9.629977548	-9.87201253	-15.43013069	-9.517519451	0.3299903	0.3202919	0.1692363	0.3342905	-4.773181
5503000000	1.361356817	2.879793266	-9.814537637	-10.83888337	-14.74500399	-10.08059653	0.3230525	0.287115	0.1831259	0.3133071	-5.140783
5503000000	1.361356817	2.932153143	-9.78267351	-12.67309262	-12.83582224	-11.18508115	0.3242398	0.3234858	0.2281439	0.2758963	-5.508433
5503000000	1.361356817	2.984513021	-9.84456403	-16.01773859	-12.35443728	-13.30176317	0.3219377	0.158166	0.2411477	0.216128	-6.581366
5503000000	1.361356817	3.036872899	-11.01772431	-21.31339982	-14.95416044	-16.0132617	0.2812638	0.0859667	0.1787689	0.1582475	-9.066102
5503000000	1.361356817	3.089327776	-14.79696653	-23.97936452	-21.31005407	-18.61735991	0.1820336	0.0632458	0.0859998	0.1712552	-12.98468
5503000000	1.361356817	3.141592654	-24.03857029	-21.42039322	-18.06654227	-21.99383264	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.413716694	-3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.413716694	-3.089232776	-24.57856812	-19.34301974	-14.46749857	-26.26533907	0.0590298	0.1078572	0.1890711	0.0486108	-13.88075
5503000000	1.413716694	-3.036872899	-18.98693864	-16.54473726	-13.98706351	-24.3767349	0.1123707	0.1488549	0.1998236	0.0579584	-11.71731
5503000000	1.413716694	-2.984513021	-15.33219009	-13.60982617	-14.91581397	-22.60460403	0.1711554	0.2086934	0.1795599	0.0740917	-9.985663
5503000000	1.413716694	-2.932153143	-13.3692784	-11.50360301	-18.87941476	-21.045537	0.2145537	0.2659622	0.1398935	0.1137704	-8.704552
5503000000	1.413716694	-2.879793266	-14.53026877	-10.46050633	-22.59904019	-13.53507289	0.1877096	0.2998898	0.0741361	0.2104972	-8.265534
5503000000	1.413716694	-2.827433388	-20.65041225	-10.36333056	-23.04241539	-9.750904107	0.0927853	0.3032728	0.0704497	0.3254279	-9.046801
5503000000	1.413716694	-2.775073511	-17.58570515	-10.98802428	-16.29513504	-7.741784445	0.1320428	0.2822271	0.1531945	0.4101198	-6.235345
5503000000	1.413716694	-2.722713633	-11.63696859	-12.065							

5503000000	1.413716694	-4.44E-16	0.959000815	1.507444554	1.327627438	2.623027024	1.1167348	1.1895213	1.1651487	1.3525438	7.6474537
5503000000	1.413716694	0.052359878	1.421140238	1.378837325	1.246698881	2.536331432	1.1777606	1.1720385	1.1543432	1.339111	7.6821436
5503000000	1.413716694	0.104719755	1.877055812	1.230015275	1.0718505313	2.504400901	1.2412315	1.1521281	1.0862387	1.3341973	7.6291529
5503000000	1.413716694	0.157079633	1.543048475	1.14231043	1.0718851713	2.518820061	1.1944072	1.1405531	1.0208045	1.336414	7.4068912
5503000000	1.413716694	0.20943951	0.41909082	1.233280414	0.084467228	2.520278515	1.0494326	1.1525613	1.0097721	1.3366384	7.1365813
5503000000	1.413716694	0.261799388	-0.617196619	1.556863063	0.183283203	2.496591713	0.9314084	1.1975486	1.0213255	1.3330535	7.0114259
5503000000	1.413716694	0.314159265	-0.469477117	2.056627401	-0.168837581	2.483766155	0.9473842	1.2671598	0.9807496	1.3310314	7.0943147
5503000000	1.413716694	0.366519143	0.271388049	2.5267771369	-1.305351809	2.493526728	1.0317379	1.3376399	0.8604634	1.332528	7.1632049
5503000000	1.413716694	0.41887902	0.62547644	2.83287938	-2.79588713	2.488049702	1.0746668	1.3856194	0.7247791	1.331688	7.0759275
5503000000	1.413716694	0.471238898	0.472423398	2.925180735	-3.106251512	2.473117745	1.0558961	1.4004224	0.6993385	1.3208877	6.9982584
5503000000	1.413716694	0.523598776	0.07575076	2.829686711	-2.06778865	2.265328172	1.0087593	1.3851102	0.7937085	1.2979752	7.0157205
5503000000	1.413716694	0.575958653	-0.365254889	2.610074399	-1.147041538	2.058286615	0.9588204	1.3505284	0.8762901	1.2674018	6.9525335
5503000000	1.413716694	0.628318531	-0.690238212	2.336506809	-1.337119669	1.837421434	0.9236089	1.3086555	0.8573221	1.2355806	6.6994578
5503000000	1.413716694	0.680678408	-0.681138421	2.069296688	-2.7081924	1.625969816	0.924577	1.2690094	0.7321337	1.2058644	6.3017329
5503000000	1.413716694	0.733038286	-0.459452859	1.859740212	-5.07524714	1.426781028	0.9484782	1.2387595	0.5574907	1.1785257	5.8523289
5503000000	1.413716694	0.785398163	-0.487734517	1.752582866	-7.54781238	1.246146401	0.9453949	1.2235709	0.4193816	1.1542698	5.4429083
5503000000	1.413716694	0.837758041	-0.958243784	1.762989494	-8.597841083	1.100875552	0.8955458	1.2250378	0.3716276	1.1351252	5.1711568
5503000000	1.413716694	0.890117919	-1.4522113913	1.844146283	-8.588765956	0.995096683	0.8460466	1.2365376	0.3720161	1.1213852	5.0473151
5503000000	1.413716694	0.942477796	-1.291184006	1.898680959	-8.910161099	0.896780613	0.8618681	1.2443256	0.3585023	1.1087638	5.0411781
5503000000	1.413716694	0.994837674	-0.589072893	1.82975741	-9.934097056	0.743225357	0.9344291	1.2344908	0.3186362	1.0893345	5.0495134
5503000000	1.413716694	1.047197551	0.009570789	1.580440496	-11.02403669	0.487501551	1.0011025	1.1995400	0.2811776	1.0566352	4.9557198
5503000000	1.413716694	1.099557429	0.258259587	1.143692735	-10.84353321	0.096226365	1.0301797	1.1407347	0.2869613	1.0114401	4.7835524
5503000000	1.413716694	1.151917306	0.333796934	0.551217392	-9.73389877	-0.353552422	1.0391778	1.0565182	0.3260657	0.9601131	4.5856349
5503000000	1.413716694	1.204277184	0.490564508	-0.15393839	-9.210101472	-0.806470862	1.0581037	0.9824333	0.3463338	0.9113317	4.3449644
5503000000	1.413716694	1.256637061	0.728725405	-0.941895969	-9.816084663	-1.230113454	1.0875175	0.8972329	0.3211131	0.8679492	4.0110261
5503000000	1.413716694	1.308996393	0.837519321	-1.7859123	-11.00614609	-1.619538351	1.1012248	0.8141499	0.2816389	0.8279849	3.5993859
5503000000	1.413716694	1.361356817	0.690131734	-2.630732486	-10.38890696	-1.951332683	1.0826961	0.7348692	0.3023811	0.7879714	3.2946705
5503000000	1.413716694	1.413716694	0.360898505	-3.40425455	-8.182002221	-2.15183515	1.0424253	0.6757519	0.3799396	0.7805635	3.1616211
5503000000	1.413716694	1.466076572	0.03141169	-4.093920261	-7.192972119	-2.138581412	1.003623	0.6241716	0.4368692	0.7817555	3.0653772
5503000000	1.413716694	1.518436449	-0.183644973	-4.801121141	-7.181049319	-1.925144034	0.979079	0.5734657	0.4374693	0.8012034	2.9011838
5503000000	1.413716694	1.570796327	-0.347404242	-5.688853354	-7.961672097	-1.648086461	0.9607929	0.5193662	0.3998678	0.8271717	2.6301234
5503000000	1.413716694	1.623156204	-0.642578243	-6.85067663	-8.466176579	-1.468886976	0.9286907	0.4544291	0.3773038	0.8444144	2.2950146
5503000000	1.413716694	1.675516082	-1.197266249	-8.151030386	-8.022540795	-1.48916897	0.8712378	0.3912447	0.3970754	0.842445	1.945156
5503000000	1.413716694	1.72787596	-1.942283056	-9.141448494	-7.381247799	-1.735151945	0.799624	0.3490821	0.4275015	0.8189217	1.5659796
5503000000	1.413716694	1.780235837	-2.611467649	-9.410907209	-7.331558941	-2.158871939	0.7403322	0.3384189	0.4299541	0.7799314	1.1709366
5503000000	1.413716694	1.832595715	-2.975880991	-9.081242468	-8.128148082	-2.636205774	0.7099143	0.3515102	0.3922768	0.7832266	0.7959254
5503000000	1.413716694	1.884955592	-3.12698229	-8.467777381	-9.604661848	-3.016942226	0.6976173	0.3772343	0.3309534	0.7065662	0.4750273
5503000000	1.413716694	1.93731547	-3.386800939	-7.723772468	-10.75594912	-3.264410835	0.6771111	0.4109712	0.2898698	0.6867196	0.2764202
5503000000	1.413716694	1.98675347	-4.01598146	-7.019022472	-10.31740322	-3.531925814	0.6297975	0.4457064	0.3048806	0.6658919	0.198686
5503000000	1.413716694	2.042035225	-4.985955889	-6.623295213	-9.160164927	-4.02328104	0.5632513	0.4664824	0.3483307	0.6296864	0.0317878
5503000000	1.413716694	2.094395102	-5.6596773	-6.75348913	-8.408977041	-4.761146223	0.5212141	0.4595424	0.3797967	0.5780198	-0.270957
5503000000	1.413716694	2.14675498	-5.183692399	-7.43128603	-8.202925898	-5.416955512	0.5005736	0.4250458	0.3889141	0.5359845	-0.44316
5503000000	1.413716694	2.199114858	-4.127195377	-8.408617242	-8.460989861	-5.527661232	0.621785	0.3798124	0.3775292	0.5291965	-0.407562
5503000000	1.413716694	2.251474735	-3.675400528	-9.299014838	-8.936621805	-5.232661091	0.6549829	0.3482067	0.3574118	0.5474783	-0.433286
5503000000	1.413716694	2.303834613	-4.419420068	-10.05542027	-8.886216514	-5.173508142	0.6012139	0.3142165	0.359492	0.5512195	-0.78991
5503000000	1.413716694	2.35619449	-6.46888246	-11.00240199	-8.322148078	-5.683740678	0.4748494	0.2817604	0.3836107	0.5197721	-1.618477
5503000000	1.413716694	2.408554368	-8.819422851	-12.162393024	-8.380840763	-6.410762124	0.3622671	0.2465208	0.3810289	0.4780374	-2.686942
5503000000	1.413716694	2.460914245	-8.975230512	-13.08298402	-9.508661628	-6.498858284	0.3558267	0.2217434	0.3346316	0.4732135	-3.189001
5503000000	1.413716694	2.513274123	-8.018007712	-13.62047986	-10.68028788	-5.88920157	0.3978227	0.2084376	0.2924055	0.5076214	-3.062455
5503000000	1.413716694	2.565634	-7.599148987	-13.69485448	-10.8617881	-5.415823108	0.4169102	0.2664604	0.2863588	0.5305644	-2.817331
5503000000	1.413716694	2.617993878	-7.277507822	-12.53081468	-11.57495367	-5.575217144	0.4326379	0.2362976	0.2637863	0.526307	-2.739322
5503000000	1.413716694	2.670353756	-6.941494677	-10.7324419	-14.20803839	-6.431311144	0.4497025	0.2096551	0.1948041	0.4769078	-0.023479
5503000000	1.413716694	2.722713633	-7.31719986	-9.636783712	-16.88516085	-7.796247629	0.4306654	0.3297318	0.1431337	0.4075563	-3.667968
5503000000	1.413716694	2.775073511	-8.629154529	-9.612868416	-15.55725424	-9.154942385	0.3702902	0.3306409	0.1667774	0.3485402	-4.320151
5503000000	1.413716694	2.827433388	-10.05305929	-10.41565821	-14.69067368	-9.970206227	0.3143019	0.3014515	0.184275	0.3173143	-5.056874
5503000000	1.413716694	2.879793266	-10.44402539	-11.69767532	-14.34252088	-10.58407946	0.3004683	0.2600856	0.1918112	0.2956624	-5.613147
5503000000	1.413716694	2.932153143	-9.977470905	-13.55561113	-12.80873079	-11.78088439	0.317049	0.2100001	0.2288566	0.2576059	-5.904025
5503000000	1.413716694	2.984513021	-9.7425979	-16.60154771	-12.26670526	-13.80550599	0.3257393	0.1478845	0.243593	0.2040444	-6.732945
5503000000	1.413716694	3.036872899	-10.9173641	-21.08702974	-14.70299762	-16.18560277	0.2845324	0.0882365	0.1840137	0.1551386	-8.97196
5503000000	1.413716694	3.089327776	-14.77785985	-23.27530864	-21.03534658	-17.57136347	0.1824345	0.0685859	0.0887631	0.1178777	-12.80972
5503000000	1.413716694	3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.413716694	3.141592654	-24.03857039	-21.42039355	-18.06654232	-21.9938326	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.466076572	-3.089232776	-24.56732094	-19.70038921	-14.38918749	-25.83022462	0.0591063	0.1035096	0.1907834	0.051108	-13.88207
5503000000	1.466076572	-3.036872899	-18.81478704	-16.99767927	-13.83359162	-23.95416004	0.1146201	0.1412915	0.2033857	0.0634296	-11.6551
5503000000	1.466076572	-2.984513021	-15.0740921	-13.96209065	-14.53084166	-21.64862159	0.1763175	0.200399	0.1876973	0.0827121	-9.800826
5503000000	1.466076572	-2.932153143	-13.17612435	-11.7347595	-16.23267056	-17.51917359	0.2193784	0.0258989	0.1543011	0.1330581	-8.339127
5503000000	1.466076572	-2.879793266	-14.44932209	-10.61138298	-20.46974941	-12.40419702	0.1894671	0.2947344	0.0947355	0.2397467	-7.758057
5503000000	1.466076572	-2.827433388	-21.041017								

5503000000	1.466076572	-0.104719755	2.321925572	1.739787715	0.957229413	2.527372939	1.3064605	1.2217698	1.1165071	1.3377306	7.9282903
5503000000	1.466076572	-0.052359878	1.419462216	1.621971821	1.041607069	2.666106098	1.1775331	1.2053095	1.127406	1.3592687	7.7291183
5503000000	1.466076572	-4.44E-16	0.959000575	1.507444245	1.37627839	2.623026887	1.1167347	1.1895213	1.1651488	1.3525438	7.6474536
5503000000	1.466076572	0.052359878	1.434086601	1.358775221	1.255610435	2.521815082	1.1795173	1.1693345	1.1555281	1.3368749	7.6785589
5503000000	1.466076572	0.104719755	1.894561117	1.192639558	0.725942518	2.466300606	1.2437356	1.1471811	1.0871692	1.3283577	7.6158769
5503000000	1.466076572	0.157079633	1.562060953	1.084199892	0.157097937	2.459463441	1.1970245	1.132948	1.0182511	1.32734	7.3760796
5503000000	1.466076572	0.20943951	0.445719665	1.155414161	0.039888909	2.451581283	1.0526548	1.1422751	1.0046029	1.3261085	7.0930028
5503000000	1.466076572	0.261799388	-0.573720917	1.491634328	0.169722539	2.431973616	0.9360821	1.1873581	1.0197322	1.3231183	6.9783399
5503000000	1.466076572	0.314159265	-0.414150326	2.025639086	-0.122132748	2.46826159	0.9534381	1.262647	0.9861509	1.321321	7.0943973
5503000000	1.466076572	0.366519143	0.319419532	2.568854012	-1.225117542	2.491797378	1.0374591	1.3441344	0.8684486	1.3322627	7.2010796
5503000000	1.466076572	0.41887902	0.636122795	2.956263022	-2.777570471	2.555256318	1.0759848	1.4054427	0.7263091	1.3420318	7.139186
5503000000	1.466076572	0.471238898	0.399692118	3.119682208	-3.168919461	2.565390726	1.0470914	1.4321355	0.694311	1.3435986	7.0766643
5503000000	1.466076572	0.523598776	-0.113748007	3.070710255	-2.000164277	2.480490309	0.9869897	1.4240837	0.7943132	1.3305295	7.1127003
5503000000	1.466076572	0.575958653	-0.652134111	2.86049321	-1.049554545	2.304099657	0.9276695	1.3900316	0.8861807	1.330782	7.0584304
5503000000	1.466076572	0.628318531	-1.005828274	2.550159728	-1.217595535	2.073942724	0.8906531	1.3412446	0.869201	1.2696884	6.7905931
5503000000	1.466076572	0.680678408	-0.937089347	2.19726882	-2.677931103	1.830081273	0.8977296	1.2878445	0.7346888	1.2345369	6.3504022
5503000000	1.466076572	0.733038286	-0.602409131	1.85732908	-5.252810645	1.594049646	0.9329955	1.2384157	0.5462098	1.2014411	5.8430429
5503000000	1.466076572	0.785398163	-0.529056566	1.950082312	-7.607228174	1.376219891	0.940908	1.2008795	0.4165226	1.1716853	5.4153964
5503000000	1.466076572	0.837758041	-0.966554087	1.443444054	-7.998218171	1.18821392	0.8946894	1.1807751	0.4169259	1.1465967	5.1990107
5503000000	1.466076572	0.890117919	-1.555022582	1.410796024	-6.646216415	1.038028656	0.836082	1.1763588	0.465253	1.1269417	5.116627
5503000000	1.466076572	0.942477796	-1.585288472	1.4166907	-6.431765933	0.913612704	0.8331737	1.171574	0.4768833	1.1109145	5.1009346
5503000000	1.466076572	0.994837674	-1.028151297	1.356467232	-7.220726862	0.772610225	0.888367	1.1690208	0.4354754	1.093026	5.071345
5503000000	1.466076572	1.047197551	-0.493048435	1.147642737	-8.865546062	0.562212673	0.9448167	1.1412535	0.3603485	1.0668679	4.8936717
5503000000	1.466076572	1.099557429	-0.2500913	0.752458905	-10.59083249	0.268194935	0.9710678	1.0904932	0.2954326	1.0313587	4.5791711
5503000000	1.466076572	1.151917306	-0.143438632	0.173741651	-10.65778529	-0.057667751	0.9836216	1.0204001	0.2931641	0.9933827	4.3243016
5503000000	1.466076572	1.204277184	0.09472143	-0.567446285	-9.301104438	-0.335829614	1.0109649	0.9367586	0.3427242	0.9620741	4.2238043
5503000000	1.466076572	1.256637061	0.423811583	-1.453543468	-8.058714919	-0.572941311	1.0500031	0.8459074	0.3954251	0.9410288	4.1698065
5503000000	1.466076572	1.308996939	0.581301642	-2.456232878	-7.084865538	-0.650654595	1.0692151	0.7536824	0.4423405	0.9278276	4.0635568
5503000000	1.466076572	1.361356817	0.42515278	-3.482690364	-6.108006723	-0.772978851	1.0501652	0.6966772	0.4949937	0.920134	3.9046029
5503000000	1.466076572	1.413716694	0.066709544	-3.488909112	-5.34126558	-0.726235017	1.0077008	0.6054329	0.5406755	0.9197891	3.7323422
5503000000	1.466076572	1.466076572	-0.25113569	-4.950450165	-5.268420997	-0.636825597	0.9715009	0.5655584	0.545229	0.929306	3.5553295
5503000000	1.466076572	1.518436449	-0.391364513	-5.327882173	-6.266852573	-0.49753687	0.9559425	0.5415093	0.4860236	0.9443286	3.3102401
5503000000	1.466076572	1.570796327	-0.463019206	-5.706926509	-8.587398407	-0.426202621	0.9408809	0.5183865	0.3720746	0.952116	2.8935573
5503000000	1.466076572	1.623156204	-0.710717349	-6.223584104	-12.07570936	-0.547360206	0.9214338	0.4884508	0.2490087	0.9389273	2.2715832
5503000000	1.466076572	1.675516082	-1.272688783	-6.79827378	-14.313128701	-0.928036352	0.8637053	0.4537191	0.1965331	0.8986657	1.6416376
5503000000	1.466076572	1.72787596	-2.015973686	-7.203713872	-12.67417549	-1.544156633	0.7928688	0.4363292	0.2324295	0.8731286	1.2092579
5503000000	1.466076572	1.780235837	-2.604489456	-7.325611983	-11.26966448	-2.252941672	0.7409272	0.4302485	0.2732227	0.7715302	0.8905153
5503000000	1.466076572	1.832595715	-2.873199322	-7.255184159	-10.95148393	-3.404029663	0.7183565	0.4337513	0.2834169	0.7232668	0.6636142
5503000000	1.466076572	1.884955592	-3.037170812	-7.020980018	-11.19128934	-3.079781286	0.7049226	0.445606	0.2756992	0.701473	0.5376112
5503000000	1.466076572	1.93731547	-3.383884945	-6.485785254	-10.89660479	-3.210948267	0.6773385	0.4793262	0.2852133	0.6905955	0.5365362
5503000000	1.466076572	1.989675347	-3.986229833	-5.681331576	-9.177161615	-3.544968423	0.6319584	0.5199163	0.3266946	0.6648927	0.6017159
5503000000	1.466076572	2.042035225	-4.663584065	-4.972015689	-8.544206447	-4.280733788	0.5845488	0.564156	0.3739295	0.6108904	0.5613536
5503000000	1.466076572	2.094395102	-5.023989189	-4.74496454	-7.886211322	-5.244882815	0.5607904	0.5790976	0.4033568	0.5467085	0.382132
5503000000	1.466076572	2.14675498	-4.70244169	-5.192591629	-7.643126217	-5.813118952	0.5819396	0.5500908	0.4148047	0.5120874	0.2518582
5503000000	1.466076572	2.199114858	-3.951470747	-6.311946802	-7.655789799	-5.596995574	0.6344925	0.4835069	0.4142004	0.524989	0.2448829
5503000000	1.466076572	2.251474735	-3.54691602	-7.958645612	-7.78047078	-5.163918703	0.6647437	0.4000071	0.4082973	0.5518284	0.1073707
5503000000	1.466076572	2.303834613	-4.12523664	-9.981178224	-7.697076289	-5.182844818	0.6219252	0.3169138	0.4122363	0.5506273	-0.437748
5503000000	1.466076572	2.35619449	-5.962371262	-12.37353811	-7.538502545	-5.79658516	0.5033632	0.2406152	0.4198314	0.5170316	-1.510066
5503000000	1.466076572	2.408554368	-8.349140398	-14.90706045	-8.096784571	-6.217863569	0.3824221	0.1797409	0.3936958	0.4887726	-2.825459
5503000000	1.466076572	2.460914245	-8.736700551	-16.27747423	-9.762179794	-5.99327824	0.3657337	0.1535063	0.3250057	0.5015752	-3.440854
5503000000	1.466076572	2.513274123	-7.767194802	-15.84149141	-11.29222855	-5.422342666	0.4089218	0.1614081	0.2725138	0.5356522	-3.23249
5503000000	1.466076572	2.565364	-7.543279032	-14.54174848	-11.06490895	-5.258542143	0.4196005	0.1894201	0.278404	0.5458495	-2.894015
5503000000	1.466076572	2.617993878	-7.644550572	-12.35955399	-11.30635968	-5.814222719	0.4147367	0.2410029	0.2720709	0.5120223	-2.854359
5503000000	1.466076572	2.670353756	-7.353827137	-10.4092533	-13.61760477	-7.032962754	0.4288532	0.3016736	0.2085066	0.4449917	-3.197721
5503000000	1.466076572	2.722713633	-7.441135586	-9.445075506	-16.56046259	-8.555103007	0.4245641	0.3370903	0.1485857	0.3734607	-8.531235
5503000000	1.466076572	2.775073511	-8.672031527	-9.681784887	-15.26941436	-9.770995049	0.3684669	0.3280279	0.1723963	0.324676	-4.483646
5503000000	1.466076572	2.827433388	-10.56380597	-10.89685805	-14.11626894	-10.46700575	0.2963533	0.285205	0.1968732	0.2996744	-5.367372
5503000000	1.466076572	2.879793266	-11.13980412	-12.59008552	-13.986243	-11.20543587	0.2773383	0.2346906	0.1998425	0.2752506	-6.133184
5503000000	1.466076572	2.932513143	-10.16140501	-14.51181336	-12.81358196	-12.51567458	0.3104057	0.1881089	0.2287288	0.2367098	-6.33948
5503000000	1.466076572	2.984513021	-9.649404371	-17.15055156	-12.22970858	-14.37358717	0.329253	0.1388265	0.2446327	0.1911264	-6.898782
5503000000	1.466076572	3.036872899	-10.83514819	-20.74999335	-14.50904269	-16.3478575	0.2872385	0.0917277	0.1881689	0.1522675	-8.881161
5503000000	1.466076572	3.089323776	-14.77473789	-22.621932	-20.78642529	-18.52343094	0.1825001	0.0739441	0.0913437	0.11853	-12.646396
5503000000	1.466076572	3.141592654	-24.03857039	-21.42039355	-18.06654232	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.466076572	3.141592654	-24.03857017	-21.4203934	-18.06654232	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.466076572	3.089323776	-24.56322837	-20.07900661	-14.31409902	-25.40239923	0.0591342	0.0990495	0.1924399	0.0536883	-13.8853
5503000000	1.466076572	3.036872899	-18.66187972	-17.48597865	-17.37286491	-23.1586879	0.1166557	0.1335676	0.2071843	0.0695129	-11.5857
5503000000	1.466076572	2.984513021	-14.86849492	-14.34330083	-14.13907474	-20.4665132	0.1805408	0.191794	0.1963569	0.0947708	-9.584273
5503000000	1.466076572	2.932513143	-13.04191378								

5503000000	1.518436449	-0.20943951	2.134003507	2.181149026	1.828519924	1.722980063	1.2784984	1.2854567	1.234315	1.2194079	7.9894557
5503000000	1.518436449	-0.157079633	2.639540092	1.943724995	1.355332311	2.183776564	1.3551177	1.2507953	1.1688711	1.2858456	8.0634913
5503000000	1.518436449	-0.104719755	2.308990595	1.772759763	0.952682724	2.53372742	1.3045164	1.2624165	1.1159228	1.3387096	7.9336881
5503000000	1.518436449	-0.052359878	1.409348231	1.643523544	1.040085795	2.670366321	1.1761627	1.2083039	1.1272086	1.3599353	7.7328517
5503000000	1.518436449	-4.44E-16	0.959000772	1.507444136	1.327627778	2.623026815	1.1167348	1.1895213	1.1651488	1.3525438	7.6474536
5503000000	1.518436449	0.052359878	1.445418205	1.338724756	1.264811732	2.507014414	1.180571	1.1666383	1.1567529	1.3345988	7.6745971
5503000000	1.518436449	0.104719755	1.912632884	1.156797467	1.073437189	2.427304078	1.246326	1.142457	1.088225	1.3224072	7.6031666
5503000000	1.518436449	0.157079633	1.590984311	1.033950369	0.134074857	2.40052997	1.2010172	1.1264126	1.0155557	1.3183372	7.3495834
5503000000	1.518436449	0.20943951	0.493201218	1.095005865	-0.009283278	2.386606225	1.0584249	1.1343584	0.9989318	1.3162255	7.0589639
5503000000	1.518436449	0.261799388	-0.517729562	1.440415648	1.517266762	2.374023276	0.9421358	1.1803771	1.0182709	1.3143201	6.965557
5503000000	1.518436449	0.314159265	-0.375798667	2.013958652	-0.054946558	2.397094104	0.9576572	1.2609502	0.993694	1.3178158	7.1015888
5503000000	1.518436449	0.366519143	0.339220799	2.619087658	-1.098704459	2.480851165	1.0398269	1.3519306	0.8811803	1.3305848	7.2412055
5503000000	1.518436449	0.41887902	0.626559626	3.075169659	-2.700489089	2.597705757	1.0748008	1.424815	0.7327833	1.3486066	7.1986167
5503000000	1.518436449	0.471238898	0.310661999	3.302692246	-3.285840324	2.683737333	1.0364136	1.4626305	0.6871839	1.3620306	7.136303
5503000000	1.518436449	0.523598776	-0.346597274	3.305423731	-2.120354049	2.684087344	0.9608822	1.4630905	0.7833977	1.3620855	7.1766898
5503000000	1.518436449	0.575958653	-1.041636187	3.125681435	-1.11441513	2.584397014	0.8869889	1.433125	0.8795879	1.3465418	7.1324542
5503000000	1.518436449	0.628318531	-1.477489216	2.813940019	-1.25247943	2.411685894	0.8435786	1.3826014	0.8657172	1.3200315	6.8719697
5503000000	1.518436449	0.680678408	-1.36354129	2.418376389	-2.731783362	2.207102265	0.8547182	1.3210487	0.7301479	1.2893034	6.4344909
5503000000	1.518436449	0.733038286	-0.905482162	1.988656929	-5.301598452	1.993891489	0.9010023	1.2572824	0.5431504	1.2580404	5.9321532
5503000000	1.518436449	0.785398163	-0.719683783	1.584018306	-7.221054604	1.768801929	0.9204831	1.2000543	0.435459	1.2258578	5.5334958
5503000000	1.518436449	0.837758041	-1.118632066	1.265337643	-6.530905225	1.518210662	0.879161	1.1568229	0.4714707	1.1909966	5.339798
5503000000	1.518436449	0.890117919	-1.811191074	1.059328441	-5.270696972	1.24084379	0.8117839	1.1297086	0.5450692	1.1535653	5.2017308
5503000000	1.518436449	0.942477796	-2.076416259	0.928949257	-4.738401166	0.957217799	0.7873706	1.1128778	0.5795354	1.1165056	5.0964924
5503000000	1.518436449	0.994837674	-1.716777057	0.79136133	-4.878949171	0.690857487	0.820656	1.0954223	0.5702332	1.0827866	5.0305968
5503000000	1.518436449	1.047197551	-1.275619142	0.564403453	-5.413014835	0.445904753	0.8634139	1.067137	0.5362277	1.0526773	4.9089106
5503000000	1.518436449	1.099557429	-1.059024296	0.193711893	-5.95357459	0.227986763	0.885215	1.0225525	0.5038732	1.0265955	4.7061142
5503000000	1.518436449	1.151917306	-0.903456325	-0.339603165	-5.920302612	0.081757034	0.9012125	0.9616562	0.505807	1.0094571	4.5529344
5503000000	1.518436449	1.204277184	-0.557001087	-1.034225996	-5.163314555	0.068003688	0.9378858	0.8877463	0.5518668	1.0078599	4.5174942
5503000000	1.518436449	1.256637061	-0.100969305	-1.884113277	-4.23836822	0.12044293	0.9884428	0.8409971	0.6145845	1.0223562	4.6862461
5503000000	1.518436449	1.308996939	0.139811662	-2.858600264	-3.50120372	0.385651478	1.0162267	0.7195649	0.6681052	1.0454005	4.7340127
5503000000	1.518436449	1.361356817	0.002138119	-3.830795338	-3.045405273	0.566903521	1.0002462	0.6433692	0.7042547	1.0674442	4.6480134
5503000000	1.518436449	1.413716694	-0.368454814	-4.54238202	-2.916613448	0.694597373	0.9584672	0.5927627	0.714775	1.0832529	4.4783717
5503000000	1.518436449	1.466076572	-0.659478139	-4.784897931	-3.308677087	0.761743659	0.9268855	0.5764431	0.6832288	1.0916595	4.2921489
5503000000	1.518436449	-0.698255932	-4.663912273	-4.48376719	-2.748028704	0.748028704	0.9227567	0.5845267	0.5967764	1.0899371	4.06609
5503000000	1.518436449	1.50796327	-0.637626853	-4.480459097	-6.738809563	0.589959949	0.9292202	0.5970037	0.4603197	1.0702814	3.6848118
5503000000	1.518436449	1.623156204	-0.787226539	-4.424846658	-10.36234169	0.20171242	0.913353	0.6008633	0.3033073	1.0234968	3.048881
5503000000	1.518436449	1.675516082	-1.300668498	-4.490678566	-14.51222287	-0.472157326	0.8609275	0.5963017	0.1881	0.9470919	2.2535313
5503000000	1.518436449	1.72787596	-1.992677024	-4.584771969	-14.30041141	-1.38976085	0.7949982	0.5898769	0.1927434	0.852142	1.6906693
5503000000	1.518436449	1.780235837	-2.470118371	-4.677188015	-11.90711313	-2.33913661	0.7524785	0.583634	0.2538893	0.7639117	1.41521
5503000000	1.518436449	1.832595715	-2.635478265	-4.830060304	-10.56187615	-2.987289657	0.7382885	0.5734519	0.2964191	0.7089825	1.2784529
5503000000	1.518436449	1.884955592	-2.820241677	-5.034452098	-10.03875621	-3.235362066	0.7227497	0.5601152	0.3148199	0.6890201	1.1636028
5503000000	1.518436449	1.93731547	-3.299251054	-5.057852324	-9.671133178	-3.432924579	0.6839706	0.5580803	0.3284304	0.6735251	1.0019254
5503000000	1.518436449	1.989675347	-3.979204196	-4.649348909	-9.057132457	-4.011263207	0.6324698	0.5855076	0.3524872	0.6301397	0.8302394
5503000000	1.518436449	2.042035225	-4.507920515	-3.990985089	-8.35881114	-5.091233494	0.5951192	0.6316125	0.3822574	0.5564656	0.6903825
5503000000	1.518436449	2.094395102	-4.684936027	-3.565733449	-7.787528145	-6.21098919	0.5831136	0.6633051	0.4079656	0.4891596	0.6020478
5503000000	1.518436449	2.14675498	-4.514593551	-3.721957308	-7.397299813	-6.445343078	0.5946622	0.6514816	0.4269087	0.476138	0.6248982
5503000000	1.518436449	2.199114858	-4.050529652	-4.587274985	-7.25189174	-5.814445484	0.6272974	0.589707	0.4339158	0.5120092	0.6802467
5503000000	1.518436449	2.251474735	-3.691512226	-6.15535741	-5.294762263	-5.844554616	0.6537691	0.4922925	0.426663	0.543578	0.4909554
5503000000	1.518436449	2.303834613	-4.088215989	-8.373661289	-7.558302567	-5.38846667	0.6245816	0.381344	0.4188754	0.5377454	-0.164201
5503000000	1.518436449	2.35619449	-5.697274387	-11.1930835	-5.894554616	-5.1896269	0.5189629	0.2756423	0.4113485	0.5073087	-1.344123
5503000000	1.518436449	2.408554368	-8.099130277	-14.37201243	-8.603797338	-6.107764283	0.3935895	0.191161	0.3713728	0.4950075	-2.786468
5503000000	1.518436449	2.460914245	-8.741387192	-16.71803379	-5.685948587	-6.107764283	0.3655364	0.1459145	0.2872332	0.51964	-3.620157
5503000000	1.518436449	2.513274123	-7.694442722	-16.74816286	-12.9180304	-5.229753771	0.4123613	0.1454092	0.2259948	0.5476616	-3.534253
5503000000	1.518436449	2.565634	-7.480150526	-13.93184199	-11.98437773	-5.364995282	0.4226613	0.1792288	0.2516408	0.5392004	-3.143253
5503000000	1.518436449	2.617993878	-7.883286559	-12.37032771	-11.36041222	-6.288990986	0.4034927	0.2407402	0.270383	0.4847864	-3.101972
5503000000	1.518436449	2.670353756	-7.71944503	-10.25815337	-13.12575719	-7.829342899	0.411176	0.3069675	0.2206542	0.4006064	-3.44742
5503000000	1.518436449	2.722713633	-7.626840797	-9.286559269	-16.03557069	-9.390461293	0.4155832	0.3432986	0.1578416	0.3392165	-4.041223
5503000000	1.518436449	2.775073511	-8.828794645	-9.629084004	-15.01938165	-10.34939034	0.3618764	0.3002426	0.1774316	0.3037599	-4.633958
5503000000	1.518436449	2.827433388	-11.17010651	-11.14813015	-13.70222006	-10.9847213	0.2763724	0.2770725	0.2064852	0.2823345	-5.66104
5503000000	1.518436449	2.879793266	-11.87370424	-13.30922815	-13.71806155	-11.95488038	0.2548677	0.2160222	0.206109	0.2524969	-6.655465
5503000000	1.518436449	2.932153143	-10.31445966	-15.39284507	-12.86994321	-13.40119433	0.304984	0.1699643	0.2272494	0.2137668	-6.783027
5503000000	1.518436449	2.984513021	-9.563955309	-17.56579915	-12.24751913	-14.98675295	0.3325081	0.1323458	0.2441316	0.1780994	-7.061297
5503000000	1.518436449	3.036872899	-10.77250872	-20.31306842	-17.34076444	-16.48882482	0.2893174	0.0964598	0.1911951	0.1498162	-8.792438
5503000000	1.518436449	3.089232776	-14.78834331	-22.01501858	-20.56579827	-18.47386359	0.1822145	0.0792956	0.0936917	0.1192084	-12.49752
5503000000	1.518436449	3.141592654	-24.03857017	-21.4203934	-18.06654234	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.518436449	3.141592654	-24.03857058	-21.4203936	-18.06654234	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.518436449	3.089232776	-24.56605737	-20.47753952	-14.24231873	-24.986214	0.0591149	0.0946505	0.1940368	0.0563235	-13.89027
5503000000	1.518436449	3.036872899	-18.53290313	-17.							

5503000000	1.570796327	-0.314159265	1.221388928	2.69384056	1.742212077	1.060646033	1.1509844	1.3636158	1.2221109	1.1298799	7.7238971
5503000000	1.570796327	-0.261799388	1.289990825	2.419638908	1.894435955	1.273077043	1.160111	1.3212407	1.2437177	1.1578541	7.7529985
5503000000	1.570796327	-0.20943951	2.100989602	2.169897577	1.762874208	1.703732121	1.2736482	1.2837926	1.2250215	1.2167087	7.9573599
5503000000	1.570796327	-0.157079633	2.616126831	1.963566729	1.322690467	2.184323988	1.3514698	1.2536559	1.1644867	1.2859267	8.0547487
5503000000	1.570796327	-0.104719755	2.289383938	1.803500179	0.946803173	2.536437445	1.301575	1.2307646	1.1151676	1.3391273	7.935551
5503000000	1.570796327	-0.052359878	1.396253794	1.664028366	1.039135541	2.6736046	1.1743909	1.2111597	1.1270853	1.3604426	7.7354683
5503000000	1.570796327	-4.44E-16	0.959000721	1.507444156	1.372627766	2.62302696	1.1167348	1.1895213	1.1651488	1.3525438	6.6474536
5503000000	1.570796327	0.052359878	1.45512186	1.31876401	1.274270631	2.492050265	1.1823773	1.1639604	1.1580133	1.3323015	7.6702977
5503000000	1.570796327	0.104719755	1.931184369	1.122902896	0.744143013	2.387944006	1.2489907	1.1369066	1.0894496	1.3164283	7.5913243
5503000000	1.570796327	0.157079633	1.629299672	0.99310383	0.111554282	2.342862953	1.2063268	1.121128	1.012926	1.3096135	7.3284485
5503000000	1.570796327	0.20943951	0.560052537	1.05641315	-0.059765111	2.32849837	1.0666026	1.1292291	0.9931429	1.3074495	7.0367454
5503000000	1.570796327	0.261799388	-0.451114861	1.416955704	0.149957217	2.329258271	0.9493891	1.1771933	1.0174144	1.3075639	6.949646
5503000000	1.570796327	0.314159265	-0.355794483	2.023919841	0.033696879	2.368188424	0.9598653	1.2623971	1.003887	1.3134375	7.1197268
5503000000	1.570796327	0.366519143	0.330612751	2.673013139	-0.922432478	2.468201595	1.0387969	1.36035	0.8992457	1.3286484	7.2854671
5503000000	1.570796327	0.41887902	0.602090969	3.173826431	-2.552999754	2.611914061	1.0717773	1.4410907	0.7453324	1.3508145	7.2515623
5503000000	1.570796327	0.471238898	0.224799103	3.441268229	-3.347496676	2.745414799	1.0262188	1.4861526	0.680182	1.3717366	7.1668649
5503000000	1.570796327	0.523598776	-0.582583349	3.473933381	-2.331834692	2.813221568	0.9351275	1.4921747	0.7645542	1.3824871	7.1859755
5503000000	1.570796327	0.575958653	-1.480639564	3.371451972	-1.284059893	2.791796746	0.8432727	1.465118	0.8625753	1.3790812	7.139718
5503000000	1.570796327	0.628318531	-2.047755778	3.008193783	-1.352094497	2.700074743	0.7899729	1.4138707	0.8558453	1.3645949	6.8962596
5503000000	1.570796327	0.680678408	-1.894397465	2.59007569	-2.730315312	2.5783364	0.8004466	1.3474225	0.7302713	1.3456026	6.5007456
5503000000	1.570796327	0.730382826	-1.29748555	2.107220721	-5.024075013	2.448747867	0.861243	1.2745622	0.560785	1.325676	6.0688164
5503000000	1.570796327	0.785398163	-0.988514599	1.611312448	-6.4159915	2.292469293	0.8923402	1.2038313	0.4777497	1.3020374	5.7471844
5503000000	1.570796327	0.837516204	-1.336812819	1.155673554	-6.65296852	2.06577904	0.8573524	1.1423092	0.5230403	1.2684956	5.5549282
5503000000	1.570796327	0.890117919	-2.119674057	0.779325129	-4.886164141	1.741556078	0.783459	1.0931915	0.5966117	1.2220186	5.3323492
5503000000	1.570796327	0.942477796	-2.639510265	0.460923228	-3.818781587	1.341794099	0.7379458	1.054499	0.6442596	1.1670507	5.1145055
5503000000	1.570796327	0.994836764	-2.532408027	0.179561261	-3.436685247	0.930321689	0.7471015	1.0208826	0.6732335	1.130536	4.9944115
5503000000	1.570796327	1.047197551	-2.226029948	-0.11733159	-3.173824743	0.50745312	0.773924	0.9865285	0.693919	1.0678832	4.9159493
5503000000	1.570796327	1.099557429	-2.0469182	-0.471743096	-2.99775274	0.203028406	0.7900491	0.9471371	0.7083112	1.0353839	4.8127353
5503000000	1.570796327	1.151917306	-1.843932231	-0.913884255	-2.750436421	0.162242572	0.8087297	0.9001331	0.7285816	1.0188544	4.7516207
5503000000	1.570796327	1.204277184	-1.372849434	-1.460140162	-2.7796367	0.190896184	0.8538027	0.8452652	0.7691602	1.022221	4.8370264
5503000000	1.570796327	1.256637061	-0.770486939	-2.11305174	-2.727175991	0.38491126	0.915115	0.7840566	0.8196741	1.0453111	5.018536
5503000000	1.570796327	1.308996939	-0.427191815	-2.835253786	-1.335387964	0.669617142	0.9520076	0.7215016	0.857493	1.080142	5.1322968
5503000000	1.570796327	1.361356817	-0.525469129	-3.485509626	-1.212481749	0.939562185	0.9412967	0.6694598	0.8697129	1.1142384	5.092672
5503000000	1.570796327	1.413716694	-0.885746714	-3.817776164	-1.39541268	1.119330431	0.9030518	0.6443342	0.8515877	1.175396	4.950906
5503000000	1.570796327	1.466076572	-1.125276858	-3.693457314	-1.962577867	1.180295441	0.8784887	0.6536227	0.7977579	1.1455519	4.7995489
5503000000	1.570796327	1.518436449	-1.037072351	-3.279221306	-3.057845871	1.110416218	0.8874551	0.6855497	0.7032467	1.1363728	4.6411695
5503000000	1.570796327	1.570796327	-0.821878281	-2.87011601	-4.848198892	0.877163805	0.9097165	0.7186116	0.5722556	1.1066265	4.36768
5503000000	1.570796327	1.623156204	-0.849406691	-2.638898499	-7.373615742	0.424611318	0.9068379	0.7379978	0.4278773	1.0500998	3.870319
5503000000	1.570796327	1.675516082	-1.284774572	-2.59509576	-9.959896596	-0.28354762	0.8625043	0.7417289	0.3176912	0.9678825	3.1967765
5503000000	1.570796327	1.72787596	-1.904717313	-2.668143968	-10.7139641	-1.1874003	0.8030898	0.7355571	0.2912741	0.8722279	2.6134572
5503000000	1.570796327	1.780235837	-2.280772593	-2.820576888	-9.756545305	-2.066117396	0.769602	0.7227218	0.3252166	0.7830407	2.2965721
5503000000	1.570796327	1.832595715	-2.369833259	-3.10364031	-8.887806254	-2.645840839	0.7612168	0.6995487	0.3594262	0.7374082	2.1360521
5503000000	1.570796327	1.884955592	-2.586053811	-3.576027634	-8.584841266	-2.943296505	0.7425015	0.6625194	0.3721842	0.7125825	1.9026462
5503000000	1.570796327	1.93731547	-3.209957935	-4.119209291	-8.611988836	-3.326206106	0.6910383	0.6253569	0.3710228	0.6818513	1.46066834
5503000000	1.570796327	1.989675347	-4.035435242	-4.354194841	-8.59226371	-4.122399336	0.6283885	0.6057456	0.3718663	0.6221284	0.9382059
5503000000	1.570796327	2.042035225	-4.538742349	-4.045514981	-8.296638935	-5.264741014	0.5930112	0.6276597	0.3847406	0.5454601	0.6316897
5503000000	1.570796327	2.094395102	-4.641160554	-3.549229585	-7.737336346	-6.091247996	0.5860599	0.6645666	0.4103299	0.4959497	0.6560247
5503000000	1.570796327	2.14675498	-4.634643904	-3.398125974	-7.147920134	-5.970896766	0.5864997	0.6762289	0.439141	0.5028693	0.8465435
5503000000	1.570796327	2.199114858	-4.441995593	-3.878606889	-6.907235087	-5.410310742	0.5996533	0.6398374	0.4514797	0.5363497	0.9352284
5503000000	1.570796327	2.251474735	-4.103378542	-5.051723454	-7.128258562	-5.201370188	0.6234923	0.5950026	0.4373783	0.5495452	0.7059019
5503000000	1.570796327	2.303836443	-4.279527298	-6.839158716	-7.650232323	-5.56612799	0.6109753	0.4550321	0.4144655	0.5274355	0.034278
5503000000	1.570796327	2.35619499	-5.640876397	-9.044405122	-8.05981708	-6.108473439	0.5223435	0.43530041	0.3953749	0.4949671	-1.082313
5503000000	1.570796327	2.408554368	-8.052562466	-11.37295874	-9.112312294	-6.184314085	0.3957053	0.2699277	0.350255	0.4906641	-2.460542
5503000000	1.570796327	2.460914245	-8.986779158	-13.54225423	-11.83890466	-5.726725575	0.3535359	0.2103233	0.255906	0.5172062	-3.486355
5503000000	1.570796327	2.516374123	-7.805027289	-15.15514613	-15.3922286	-5.420244933	0.4071446	0.1747523	0.1750003	0.5357815	-3.790788
5503000000	1.570796327	2.565634	-7.442318331	-14.88293267	-13.40277863	-5.801689304	0.4245062	0.1882409	0.2137278	0.5127616	-3.535495
5503000000	1.570796327	2.617993878	-7.980022576	-12.5365063	-11.721777487	-7.013438016	0.3990239	0.2361428	0.2593649	0.4459931	-3.475104
5503000000	1.570796327	2.670353756	-7.990673555	-10.25371021	-12.80323441	-8.395382703	0.3985349	0.3071245	0.2290015	0.3650122	-3.743918
5503000000	1.570796327	2.722713633	-7.849974777	-9.136709154	-14.8666059	-10.15479993	0.4050431	0.3492726	0.1694598	0.3106419	-4.191359
5503000000	1.570796327	2.775073511	-9.091593055	-9.411139525	-14.76610234	-10.79199402	0.3510915	0.3384099	0.1826835	0.2886691	-4.725048
5503000000	1.570796327	2.827433388	-11.87273582	-11.03680893	-13.41501725	-11.49479687	0.2548961	0.2806465	0.2134629	0.2662319	-5.889556
5503000000	1.570796327	2.879793266	-12.59599314	-13.58734367	-13.54887866	-12.83421022	0.234531	0.2092343	0.2101629	0.2281863	-7.110101
5503000000	1.570796327	2.932153143	-10.41876833	-15.96336735	-12.99011598	-14.43544898	0.3013433	0.1591592	0.224127	0.18977	-7.186402
5503000000	1.570796327	2.984513021	-9.486154144	-17.7448341	-12.3226796	-15.60726101	0.3354998	0.1262458	0.2420397	0.16582	-7.200262
5503000000	1.570796327	3.036872899	-17.70386427	-19.79948489	-14.28504948	-16.59691516	0.2907079	0.1023354	0.1930846	0.1479634	-8.7056
5503000000	1.570796327	3.089232776	-14.81942945	-21.45110892	-20.37530434	-18.42311657	0.1815635	0.0846145	0.0957712	0.1199069	-12.36225
5503000000	1.570796327	3.141592654	-24.03857058	-21.4203936	-18.06654247	-21.99383259	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	1.570796327	3.141592654	-24.03857033	-21.420393							

5503000000	1.623156204	-0.41887902	1.874637067	3.129413009	1.078901729	0.990176637	1.2408859	1.4337408	1.1322572	1.1207502	7.8321692
5503000000	1.623156204	-0.366519143	1.695132813	2.900550482	1.444394538	0.859309463	1.2155047	1.3964659	1.180918	1.1039908	7.7777722
5503000000	1.623156204	-0.314159265	1.161249938	2.632787958	1.684283901	0.911381773	1.1430428	1.3540646	1.2139874	1.1106292	7.6443472
5503000000	1.623156204	-0.261799388	1.266302731	2.378653367	1.812620879	1.207652464	1.1569515	1.3150209	1.2320577	1.1491656	7.6999952
5503000000	1.623156204	-0.20943951	2.081225085	2.160893647	1.691356063	1.684679554	1.2707533	1.2824625	1.2149763	1.2140427	7.9278884
5503000000	1.623156204	-0.15079633	2.590443809	1.982159235	1.285174064	2.179749196	1.3474796	1.2563422	1.1594678	1.2852495	8.0427147
5503000000	1.623156204	-0.104719755	2.263141077	1.831870791	0.939877945	2.535723488	1.2976485	1.2347912	1.1142789	1.3390173	7.9339854
5503000000	1.623156204	-0.052359878	1.380206728	1.683413577	1.038747441	2.675847676	1.1722233	1.2138658	1.1270349	1.360794	7.7369644
5503000000	1.623156204	-4.44E-16	0.959000814	1.5074443	1.327627621	1.1673248	1.1167348	1.1895231	1.1651488	1.3525439	7.6474537
5503000000	1.623156204	0.052359878	1.463178608	1.98964455	1.283951846	2.477044121	1.1834746	1.1613012	1.1593047	1.3300017	7.6656968
5503000000	1.623156204	0.104719755	1.091243083	1.2991243083	0.755611461	2.348716163	1.2517031	1.1338671	1.090889	1.3104963	7.5805881
5503000000	1.623156204	0.15079633	1.676204049	0.96254491	0.091490018	2.287736853	1.2128587	1.1171905	1.0105888	1.3013282	7.3134397
5503000000	1.623156204	0.20943951	0.64472818	1.03903848	-0.108143383	2.2793557	1.0770513	1.1270727	0.9876267	1.3000731	7.0278545
5503000000	1.623156204	0.261799388	-0.373899831	1.422684228	0.150668377	2.301691264	0.9578666	1.1779699	1.0174977	1.3034205	6.9597747
5503000000	1.623156204	0.314159265	-0.352167148	2.053910979	0.14489166	2.358725578	0.9602662	1.2667635	1.0168212	1.3120074	7.1508042
5503000000	1.623156204	0.366519143	0.295674461	2.723078502	-0.699773442	2.461933707	1.0346268	1.3682137	0.9225955	1.32769	7.3342963
5503000000	1.623156204	0.41887902	0.568522392	3.23590367	-0.328800273	2.600700824	1.0676432	1.451427	0.7648213	1.3490717	7.296577
5503000000	1.623156204	0.471238898	0.161476299	3.506440945	-0.392078233	2.737016408	1.0187645	1.4973456	0.6766999	1.370411	7.16483
5503000000	1.623156204	0.523598776	-0.77450968	3.536868776	-2.581617214	2.858881686	0.9146912	1.5026062	0.7428803	1.3845036	7.1294583
5503000000	1.623156204	0.575958653	-1.893466009	3.36629725	-1.499445502	2.844716946	0.8041308	1.4738303	0.8414489	1.3875091	7.056128
5503000000	1.623156204	0.628318531	-2.629032166	3.038389093	-1.447385102	2.810935821	0.7388366	1.4817944	0.8465074	1.3821233	6.8212907
5503000000	1.623156204	0.680678408	-2.439422963	2.595675772	-2.600625515	2.7680599	0.7551424	1.3482915	0.7412569	1.3753176	6.6856662
5503000000	1.623156204	0.730382826	-1.693382582	2.084225163	-4.244493577	2.741719966	0.8228693	1.2711923	0.6008628	1.3711533	6.1629136
5503000000	1.623156204	0.785398163	-1.256501474	1.551265129	-5.396091252	2.705662661	0.8653164	1.1955376	0.5372735	1.3654731	5.9149178
5503000000	1.623156204	0.837558041	-1.53670423	1.03831285	-4.913658494	2.598318417	0.8378471	1.1023498	0.5679591	1.3487017	5.7580554
5503000000	1.623156204	0.890117919	-2.36597554	0.548571964	-4.187643036	2.37373772	0.7615549	1.0651397	0.6174728	1.3142769	5.4796875
5503000000	1.623156204	0.942477796	-3.108255735	0.096157443	-5.383207743	2.036983672	0.6991771	1.011132	0.661972	1.2642972	5.1932591
5503000000	1.623156204	0.994836764	-3.28460537	-0.322000113	-2.842173669	1.636542662	0.6851249	0.9636071	0.720927	1.2073332	5.0497599
5503000000	1.623156204	1.047197551	-3.161790703	-0.69972716	-2.045718987	1.227089376	0.694881	0.9225743	0.7901582	1.15174	5.0068228
5503000000	1.623156204	1.099557429	-3.05273061	-1.046671613	-1.452715792	0.846413561	0.703661	0.8864749	0.848988	1.102353	4.9557272
5503000000	1.623156204	1.151917306	-2.823419245	-1.394216165	-1.062083264	0.530119783	0.724853	0.8517052	0.8849033	1.0629332	4.9152541
5503000000	1.623156204	1.204277184	-2.245699355	-1.778468305	-0.720538179	0.329361728	0.7721737	0.814848	0.9203925	1.0386473	4.9734254
5503000000	1.623156204	1.256637061	-1.512717894	-2.217472905	-0.415119032	0.287387855	0.8401641	0.7746872	0.9533317	1.0336402	5.1098478
5503000000	1.623156204	1.308996939	-1.07550996	-2.68589185	-0.274353053	0.3906263097	0.8835365	0.7340158	0.9680976	1.0459554	5.1833099
5503000000	1.623156204	1.361356687	-1.132487627	-3.069413358	-0.39476564	0.55893332	0.8777597	0.7023108	0.9555683	1.0646451	5.1105247
5503000000	1.623156204	1.413716694	-1.471626944	-3.176723053	-0.80244862	0.701408644	0.8441478	0.6936875	0.9117538	1.0841027	4.9439735
5503000000	1.623156204	1.466076572	-1.646501059	-2.913206698	-1.52084562	0.760493148	0.8273227	0.7150554	0.8939783	1.0915023	4.7941426
5503000000	1.623156204	1.518436449	-1.428040704	-2.425851898	-2.627178563	0.71060852	0.8483947	0.7563232	0.7389943	1.0852516	4.682658
5503000000	1.623156204	1.570796327	-1.069466013	-1.967119704	-4.246270271	0.526254797	0.8841515	0.7973409	0.6133191	1.0624604	4.4991302
5503000000	1.623156204	1.623156204	-0.988198747	-1.698291891	-6.427571932	0.171395431	0.8924627	0.8224044	0.4771132	1.0199286	4.1146642
5503000000	1.623156204	1.675516082	-1.351146686	-1.64095584	-8.723470306	-0.364155945	0.8559387	0.8278511	0.3662912	0.9589417	3.5479093
5503000000	1.623156204	1.72787596	-1.903531392	-1.725619437	-9.768803457	-1.002206858	0.8031995	0.819821	0.324758	0.9810245	3.0421051
5503000000	1.623156204	1.780235837	-2.193826431	-1.885744539	-9.259324186	-1.566862425	0.776799	0.804846	0.3443767	0.8349431	2.8006176
5503000000	1.623156204	1.832595715	-2.22150044	-2.149210726	-8.56899769	-1.932441207	0.774328	0.7807994	0.3728637	0.8005306	2.6979484
5503000000	1.623156204	1.884955592	-2.46029461	-2.629613083	-8.291592034	-2.211238522	0.75333	0.7387872	0.3849642	0.7752434	2.4519343
5503000000	1.623156204	1.93731547	-3.381015106	-8.263530791	-2.663510805	-3.414218725	0.6910765	0.6775623	0.38621	0.7359096	1.9606039
5503000000	1.623156204	1.989675347	-4.205761731	-4.184752919	-8.13675684	-3.414218725	0.6161861	0.6176783	0.3918882	0.6749771	1.2167123
5503000000	1.623156204	2.042035225	-4.775824849	-4.535248877	-7.706779447	-4.253511695	0.5770438	0.592497	0.411776	0.612808	0.8076058
5503000000	1.623156204	2.094395102	-4.888977167	-4.2712805	-7.040400124	-4.731513074	0.5695753	0.6115556	0.4446108	0.5799951	0.850474
5503000000	1.623156204	2.14675498	-5.05587974	-3.920051821	-6.429913954	-4.742474703	0.5587352	0.6367917	0.4769845	0.5792636	1.0299002
5503000000	1.623156204	2.199114858	-5.103905822	-4.012392823	-5.268088886	-4.723525359	0.5556543	0.6300578	0.4869177	0.5805287	1.0352351
5503000000	1.623156204	2.251474735	-4.728248024	-4.730232584	-6.656578729	-5.073854274	0.5802132	0.5800806	0.4646983	0.5575801	0.7587726
5503000000	1.623156204	2.303834613	-4.634018056	-5.97896727	-7.297591099	-5.812089669	0.586542	0.5023486	0.4316388	0.5121428	0.140769
5503000000	1.623156204	2.35619449	-5.745189589	-7.497256157	-7.772019164	-5.511394755	0.5161079	0.4218297	0.4086947	0.472531	-0.823166
5503000000	1.623156204	2.408554368	-8.190852822	-9.082687535	-6.687196267	-6.603570236	0.3894551	0.3514517	0.3678241	0.4675429	-0.267967
5503000000	1.623156204	2.460914245	-9.469034447	-10.87707161	-6.12676665	-6.216030265	0.3361617	0.2858554	0.2736287	0.4888757	-3.194605
5503000000	1.623156204	2.513274123	-8.082662898	-13.07083651	-15.66983773	-6.042309153	0.3943364	0.2220538	0.1646297	0.4987519	-3.87795
5503000000	1.623156204	2.565634	-7.442421999	-14.47130177	-14.90706566	-6.577191768	0.4245012	0.1889883	0.1797408	0.468965	-3.998609
5503000000	1.623156204	2.617993878	-7.954706107	-12.85272977	-12.31287331	-7.932023585	0.4001886	0.2277003	0.2423016	0.401235	-3.934782
5503000000	1.623156204	2.670353756	-8.148295227	-10.36967642	-12.64350362	-9.639498799	0.3913679	0.3030513	0.2325217	0.3296287	-0.031824
5503000000	1.623156204	2.722713633	-8.094727146	-8.97989772	-17.7388221	-10.64918608	0.3937891	0.3535635	0.1825181	0.2934544	-4.255063
5503000000	1.623156204	2.775073511	-9.452927877	-9.035961552	-14.46731161	-11.02618623	0.3367857	0.3533474	0.1890751	0.2809899	-4.729957
5503000000	1.623156204	2.827433388	-12.66141499	-10.56079886	-13.21583016	-11.96717041	0.2327712	0.2964559	0.2183778	0.2521396	-6.022818
5503000000	1.623156204	2.879793266	-13.23064101	-13.2815328	-13.82201692	-12.82001692	0.2180058	0.2167322	0.2120073	0.2036569	-7.428113
5503000000	1.623156204	2.932153143	-10.46195707	-16.00665629	-13.17974102	-15.57800231	0.2998487	0.1583679	0.219287	0.1663795	-7.494954
5503000000	1.623156204	2.984513021	-9.416974442	-12.67981274	-12.45410737	-16.17267447	0.3381826	0.131374	0.2383936	0.1553697	-7.297165
5503000000	1.623156204	3.036872899	-10.71166142	-19.23842332	-14.25028099	-16.66172818	0.2913513	0.1091368	0.193859	0.1468634	-8.621452
5503000000	1.623156204	3.089232776	-14.86875468	-20.92731501</							

5503000000	1.675516082	-0.523598776	0.66448151	3.072151683	0.327459714	1.122701358	1.0795036	1.42432	1.0384199	1.1379811	7.384734
5503000000	1.675516082	-0.471238898	1.235646545	3.134986293	0.639418357	0.958114424	1.1528753	1.4346611	1.0763931	1.1166208	7.568979
5503000000	1.675516082	-0.41887902	1.721153447	3.304741995	1.108973159	0.790506688	1.2191515	1.4181988	1.136184	1.0952804	7.7278649
5503000000	1.675516082	-0.366519143	1.582023057	2.823624256	1.445935916	0.712771801	1.1997787	1.3841438	1.1811275	1.0855219	7.6952591
5503000000	1.675516082	-0.314159265	1.123091753	2.574068099	1.638274543	0.825733656	1.1380323	1.3449415	1.2075739	1.0997315	7.5866168
5503000000	1.675516082	-0.261799388	1.272898957	2.34941482	1.733003232	1.169535768	1.1578425	1.3097761	1.2208159	1.1441337	7.66296
5503000000	1.675516082	-0.20943951	2.074399249	2.154647054	1.615941611	1.2697551	1.2697551	1.2815406	1.204473	1.2118686	7.9023977
5503000000	1.675516082	-0.157079633	2.562417461	1.999282697	1.243975101	2.171165817	1.3431387	1.2588215	1.1539813	1.2839801	8.0287756
5503000000	1.675516082	-0.104719755	2.230286199	1.857679415	0.932249016	2.53185766	1.2927493	1.2384657	1.1133006	1.13384214	7.929108
5503000000	1.675516082	-0.052359878	1.361266206	1.701610542	1.038914984	2.677135875	1.1696699	1.2164151	1.1270567	1.3609598	7.7373492
5503000000	1.675516082	-4.444-16	0.95900086	1.507444337	1.276274276	2.623027005	1.1167348	1.1895213	1.1651487	1.3525438	7.6474536
5503000000	1.675516082	0.052359878	1.469572736	1.279391877	1.293814052	2.462117745	1.1834361	1.1586962	1.1606217	1.3277181	7.660828
5503000000	1.675516082	0.104719755	1.968874933	1.061961218	0.769138751	2.310075188	1.2544222	1.130051	1.0925893	1.3046793	7.5711226
5503000000	1.675516082	0.157079633	1.730643714	0.942403433	0.075910805	2.235908816	1.2204843	1.1146029	1.0087779	1.2935864	7.3049876
5503000000	1.675516082	0.20943951	0.745636673	1.044769132	-0.151134704	2.23998778	1.089637	1.1278165	0.9827505	1.294194	7.0328307
5503000000	1.675516082	0.261799388	-0.284521638	1.455439287	0.160544797	2.292436755	0.9677739	1.1824205	0.1086553	1.3020325	6.9872648
5503000000	1.675516082	0.314159265	-0.359825825	2.098916771	0.274315847	2.371782984	0.9594199	1.2733443	1.0320858	1.3139812	7.1944926
5503000000	1.675516082	0.366519143	0.238393771	2.76085639	-0.441312635	2.469178696	1.0278622	1.3741775	0.9504611	1.3287799	7.3866604
5503000000	1.675516082	0.41887902	0.530563537	3.249005397	-0.203521114	2.540582528	1.0629875	1.4536179	0.7915401	1.34494	7.3342208
5503000000	1.675516082	0.471238898	0.134211738	3.480486816	-3.444406778	2.664589692	1.0155717	1.4928781	0.6804241	1.3590314	7.1356282
5503000000	1.675516082	0.523598776	-0.882133637	3.173899482	-2.810328253	2.713899482	0.9034275	1.4896277	0.7325705	1.3667685	7.0115387
5503000000	1.675516082	0.575958653	-2.199179366	3.237205558	-1.719988301	2.71084348	0.7763205	1.5416445	0.8203526	1.3662877	6.8772738
5503000000	1.675516082	0.628318531	-3.119928181	2.859350911	-1.522342747	2.680118844	0.6982382	1.3898488	0.8392336	1.3614633	6.6260833
5503000000	1.675516082	0.680678408	-2.909514911	2.382179914	-2.383695961	2.674344967	0.7153593	1.315555	0.7600028	1.3605586	6.3434501
5503000000	1.675516082	0.730338286	-2.02678847	1.863650054	-3.696298124	2.762955463	0.7918822	1.2393173	0.653409	1.3688245	6.13586
5503000000	1.675516082	0.785398163	-1.471862395	1.531330014	-4.365299603	2.809796602	0.8441252	1.1683327	0.6049716	1.381942	6.0192352
5503000000	1.675516082	0.837758041	-1.669005516	0.861490019	-0.282262709	2.855203432	0.825182	1.104268	0.6107829	1.3867874	5.8648445
5503000000	1.675516082	0.890117919	-2.481585409	0.37900232	-4.15627233	2.79717593	0.7514857	1.0446602	0.619707	1.3799355	5.5653028
5503000000	1.675516082	0.942477796	-3.352577686	-0.11395398	-3.855193474	2.631690121	0.6797843	0.9896662	0.6415645	1.3538935	5.254926
5503000000	1.675516082	0.994836764	-3.773727254	-0.605281223	-2.935342219	2.368890195	0.6476101	0.932687	0.7132354	1.3135437	5.1225065
5503000000	1.675516082	1.047197551	-3.85661185	-1.056225311	-1.776104695	2.023578249	0.6414597	0.8855003	0.8150697	1.2623475	5.116005
5503000000	1.675516082	1.099557429	-3.856955732	-1.445963492	0.92600013	1.61155089	0.6414343	0.8466459	0.8988764	1.2038643	5.0832753
5503000000	1.675516082	1.151917306	-3.656129112	-1.797352019	-0.464715078	1.167940598	0.6564377	0.8130784	0.9479038	1.1439236	5.0116773
5503000000	1.675516082	1.204277184	-3.043321567	-2.149087069	-0.224036879	0.7550131	0.7044236	0.7808105	0.9745366	1.0981039	4.9853974
5503000000	1.675516082	1.256637061	-2.24676778	-2.556266029	-0.103776738	0.444014538	0.7720788	0.7476818	0.9881234	1.0524482	5.0092103
5503000000	1.675516082	1.308996939	-1.763167329	-2.921647429	-0.152932613	0.277059631	0.8162847	0.7143608	0.9825471	1.0324119	4.9732057
5503000000	1.675516082	1.361356817	-1.80797797	-3.259021138	-0.447627192	0.238630244	0.8120843	0.6871459	0.9497704	1.0278542	4.8031311
5503000000	1.675516082	1.413716694	-2.143547813	-3.367845493	-1.007165515	0.269656018	0.7813086	0.6785904	0.890516	1.0315322	4.5627367
5503000000	1.675516082	1.466076572	-2.268286533	-3.119392804	-1.825689091	0.306060619	0.7701684	0.6982812	0.8104292	1.0358647	4.3883986
5503000000	1.675516082	1.518436495	-1.942469049	-2.60571214	-2.942491315	0.296007146	0.7996069	0.7408229	0.7126545	1.0346664	4.3173778
5503000000	1.675516082	1.57096327	-1.474322305	-2.07321529	-4.470511897	0.194085413	0.8438862	0.7876608	0.5976878	1.0225964	4.2219601
5503000000	1.675516082	1.623156204	-1.317796223	-1.719367535	-6.511375874	-0.033873546	0.8592315	0.8204113	0.472532	0.9961078	3.940874
5503000000	1.675516082	1.675516082	-1.631204215	-1.601321601	-8.779517238	-0.378960987	0.828781	0.8316372	0.3639353	0.9573086	3.6458685
5503000000	1.675516082	1.72787596	-2.123161829	-1.651048296	-10.0476504	-0.759939984	0.7831445	0.8268897	0.3144977	1.0627268	3.0480871
5503000000	1.675516082	1.780235837	-2.321502009	-1.755714723	-9.72330644	-1.065351667	0.7654642	0.8169853	0.3264626	0.8845704	2.9023196
5503000000	1.675516082	1.832595715	-2.273486445	-1.886574894	-9.058995449	-1.28091746	0.7697074	0.804769	0.3524155	0.8628874	2.8907972
5503000000	1.675516082	1.884955542	-2.507983152	-2.162241699	-8.632960751	-1.544225691	0.7492053	0.7796289	0.370128	0.8731219	2.721899
5503000000	1.675516082	1.93731547	-3.347042037	-2.744193461	-8.167397355	-2.014336491	0.6802177	0.7291054	0.3905082	0.7930182	2.2549462
5503000000	1.675516082	1.989675347	-4.513029784	-3.623225795	-7.441857841	-2.697313169	0.5947693	0.6582467	0.4245288	0.7330513	1.6218887
5503000000	1.675516082	2.042035225	-5.2224311	-4.476772009	-6.633179846	-3.392512652	0.5481235	0.5972572	0.4659518	0.676666	1.1685151
5503000000	1.675516082	2.094395102	-5.419738637	-4.765137519	-5.985784575	-3.882351744	0.5358128	0.5777542	0.5020082	0.6395616	1.0428579
5503000000	1.675516082	2.14675498	-5.754577018	-4.569222489	-5.632310039	-4.233375489	0.5155504	0.5909339	0.5228589	0.6142303	0.998206
5503000000	1.675516082	2.199114858	-5.963153014	-4.481725172	-5.701945462	-4.728250508	0.5033179	0.5961967	0.5186839	0.580213	0.8242439
5503000000	1.675516082	2.251474735	-5.447108364	-4.863952931	-6.285260655	-5.548239958	0.5341271	0.5712186	0.4881741	0.5279442	0.5121133
5503000000	1.675516082	2.303834613	-5.052416421	-5.674086386	-6.837992308	-6.588584959	0.558958	0.5203501	0.4550932	0.4683502	0.011942
5503000000	1.675516082	2.35619449	-5.958921358	-6.662329202	-7.110974224	-7.401153137	0.5035631	0.4643907	0.4410129	0.4265229	-0.745561
5503000000	1.675516082	2.408554368	-8.51021218	-7.751135091	-7.636213984	-7.536070946	0.3753958	0.4096786	0.415135	0.4199489	-1.829451
5503000000	1.675516082	2.460914245	-10.19831222	-9.261153407	-9.552177931	-7.211066648	0.3908096	0.3443042	0.3329593	0.433596	-2.2010666
5503000000	1.675516082	2.513274123	-8.492762782	-11.58427503	-13.53340471	-7.079955628	0.3761507	0.2635034	0.2105376	0.4425906	-3.790091
5503000000	1.675516082	2.565634	-7.472479126	-14.04628204	-15.51589273	-7.614162628	0.4230347	0.1984659	0.1675735	0.461902	-4.398954
5503000000	1.675516082	2.617993878	-7.84534674	-13.32928935	-12.9786304	-8.880396609	0.405259	0.2155438	0.2244236	0.3597329	-4.401153
5503000000	1.675516082	2.670353756	-8.206045592	-10.5823163	-12.57682158	-10.23690044	0.3887745	0.2957224	0.2350493	0.3077195	-4.241829
5503000000	1.675516082	2.722713633	-8.356582447	-8.814927951	-14.12195904	-10.74940728	0.3820946	0.3624546	0.1967442	0.2900879	-4.212749
5503000000	1.675516082	2.775073511	-9.907582307	-8.557901867	-11.0536007	-12.76063634	0.3196104	0.3733403	0.1970831	0.2801044	-4.655856
5503000000	1.675516082	2.827433388	-13.50757291	-9.848343462	-13.07460763	-12.37273402	0.2111647	0.3217976	0.2219574	0.2406375	-6.059275
5503000000	1.675516082	2.879793266	-13.68274869	-12.51898551	-13.47796223	-14.84064703	0.2669486	0.2361996	0.2118858	0.1811205	-7.570507
5503000000	1.675516082	2.932153143	-10.43981663	-15.51266976	-13.43851578	-16.69782301	0.300614	0.1676357	0.2128503	0.1462544	-7.666769
5503000000	1.675516082	2.984513021	-9.358462264								

5503000000	1.72787596	-0.628318531	0.389474998	2.103604976	0.342215801	0.738422551	1.0458605	1.2740317	1.0401855	1.0887324	6.9442774
5503000000	1.72787596	-0.575958653	0.501392919	2.523005298	0.449229058	0.788537168	1.0594236	1.3370581	1.0530802	1.0950321	1.7293019
5503000000	1.72787596	-0.523598776	0.605262433	2.830865638	0.403575514	0.78691389	1.0721687	1.2582982	1.0475597	1.0948275	7.2342812
5503000000	1.72787596	-0.471238898	1.109114651	2.961213068	0.682593405	0.735899196	1.1362025	1.4062349	1.0817569	1.0884161	7.4446474
5503000000	1.72787596	-0.41887902	1.559993365	2.915077563	1.148013155	0.666946991	1.1967396	1.3987944	1.1413022	1.07981	7.6342951
5503000000	1.72787596	-0.366519143	1.470035775	2.74327677	1.146776789	0.657725183	1.1844092	1.371399	1.1832824	1.0786642	7.636294
5503000000	1.72787596	-0.314159265	1.109033667	5.222121711	1.604087116	0.807320394	1.1361919	1.336922	1.2028303	1.0974027	7.5558601
5503000000	1.72787596	-0.261799388	1.30826949	2.316231856	1.65708538	1.161968793	1.1625549	1.3056044	1.210192	1.1431374	7.6430231
5503000000	1.72787596	-0.20943951	2.079238052	2.150545361	1.538452862	1.2704627	1.2704627	1.2809355	1.1937754	1.1204883	7.8814335
5503000000	1.72787596	-0.157079633	2.531700746	2.014350428	1.200355959	2.159586402	1.3383973	1.2610071	1.1482007	1.2822695	8.0105431
5503000000	1.72787596	-0.104719755	2.190835509	1.880685074	0.924293722	2.525149036	1.286891	1.2417502	1.1122814	1.3373881	7.9210401
5503000000	1.72787596	-0.052359878	1.339522775	1.718559111	1.039631302	2.677520922	1.1667455	1.2187874	1.1271496	1.3610562	7.7366449
5503000000	1.72787596	-4.44E-16	0.959000721	1.507444425	1.327627711	2.63202696	1.1167348	1.1895213	1.1651488	1.3525438	7.6474537
5503000000	1.72787596	0.052359878	1.474282763	1.260102333	1.3081023	2.447388188	1.1849885	1.1561259	1.1619582	1.3254685	7.6557187
5503000000	1.72787596	0.104719755	1.987359566	1.035052265	0.785051397	2.272423827	1.2570947	1.1265556	1.0945928	1.299036	7.5630122
5503000000	1.72787596	0.157079633	1.791349014	0.932040495	0.066805447	2.18778885	1.2290441	1.1132739	1.0077209	1.2864397	7.3031653
5503000000	1.72787596	0.20943951	0.861097957	1.070285194	-0.185793266	2.209864915	1.1042182	1.1311345	0.9788369	1.2897135	7.0511809
5503000000	1.72787596	0.261799388	-0.180359768	1.509859469	0.178814853	2.299441809	0.9794944	1.1898521	1.0208006	1.303083	7.0304864
5503000000	1.72787596	0.314159265	-0.37089768	2.151648217	0.413643888	2.405704593	0.9581977	1.2810982	1.0487747	1.3191228	7.2481288
5503000000	1.72787596	0.366519143	0.164526579	2.778987138	-0.163356346	2.493918285	1.0191224	1.3770489	0.9813687	1.332588	7.4400542
5503000000	1.72787596	0.41887902	0.49095363	3.207261389	-1.671688472	2.546911292	1.0581511	1.4466487	0.8249271	1.3407431	7.3666117
5503000000	1.72787596	0.471238898	0.146867008	3.359921655	-3.168235221	2.554273266	1.0170525	1.4752296	0.6943662	1.3418799	7.0929154
5503000000	1.72787596	0.523598776	-0.885830214	3.249649055	-2.960815948	2.508593297	0.9030431	1.4372756	0.7111467	1.3348414	6.8538941
5503000000	1.72787596	0.575958653	-2.339189897	2.932428992	-1.29499516	2.41788194	0.763907	1.4015915	0.8008018	1.3209735	6.6230244
5503000000	1.72787596	0.628318531	-3.436676416	2.780275066	-1.614005066	2.323668962	0.6732342	1.3301523	0.8304237	1.3067227	6.3205251
5503000000	1.72787596	0.680678408	-3.248856882	1.964065912	-2.19736035	2.294226093	0.6879504	1.2537079	0.7764587	1.3023008	6.0648671
5503000000	1.72787596	0.730382826	-2.278083688	1.467486611	-3.057902879	2.373103723	0.7693001	1.1846216	0.7032421	1.314181	5.9569274
5503000000	1.72787596	0.785398161	-1.63513819	1.031686832	-3.46512209	2.530503222	0.8284057	1.1261191	0.671033	1.3382127	5.9415704
5503000000	1.72787596	0.837758041	-1.748552324	0.63938195	-3.64294655	2.68702236	0.8176593	1.0763886	0.6574348	1.3625458	5.8318798
5503000000	1.72787596	0.890117919	-2.492808966	0.233375021	-4.086419997	2.77655648	0.7505135	1.0272325	0.6247108	1.3766636	5.5272187
5503000000	1.72787596	0.942477796	-3.379911562	-0.230478512	-4.292163021	2.767632132	0.6776484	0.9738141	0.6100871	1.3752499	5.1937873
5503000000	1.72787596	0.984837674	-3.936969369	-0.745646969	-3.419558524	2.642009152	0.6355526	0.9177358	0.6745623	1.3555029	5.0651935
5503000000	1.72787596	1.047197551	-4.179644205	-1.264438643	-2.06129319	2.384176675	0.6180417	0.864526	0.7887427	1.3158574	5.074434
5503000000	1.72787596	1.099557429	-4.292959449	-1.747823599	-1.089667621	2.001758958	0.6100312	0.8177279	0.8820976	1.2591804	5.0304211
5503000000	1.72787596	1.151917306	-4.171632569	-2.193985312	-0.56895752	1.545414035	0.618612	0.7767848	0.9269411	1.1946088	4.9027159
5503000000	1.72787596	1.204277184	-3.619338371	-2.61489639	-0.580660196	1.091172377	0.6592241	0.74004	0.9353346	1.1338579	4.7821252
5503000000	1.72787596	1.256637061	-2.859815374	-3.023054573	-0.680207137	1.073946418	0.7194643	0.7060692	0.9246761	1.0856867	4.7001556
5503000000	1.72787596	1.308996939	-2.405794796	-3.438774138	-0.931459068	0.453226436	0.7580717	0.6730716	0.8983117	1.053565	4.5654913
5503000000	1.72787596	1.361356817	-2.490431345	-3.838906348	-1.37260122	0.315815718	0.7507208	0.6427686	0.8538271	1.0370287	4.3083762
5503000000	1.72787596	1.413716694	-2.860708429	-4.074319894	-1.989089718	0.282183847	0.7193903	0.6255817	0.7953266	1.0320211	4.0096766
5503000000	1.72787596	1.466076572	-2.968891463	-3.935597365	-2.733777212	0.307376765	0.7104858	0.635653	0.7299803	1.0360721	3.840585
5503000000	1.72787596	1.518436449	-2.572771807	-3.407064745	-3.831093864	0.22216137	0.7346377	0.6755333	0.6583325	1.0377932	3.8493884
5503000000	1.72787596	1.570796327	-2.037205866	-2.741971489	-4.813968876	0.252688171	0.7909393	0.729292	0.5745152	1.0295191	3.8743416
5503000000	1.72787596	1.623156204	-1.844633947	-2.226085081	-6.40131784	0.056199642	0.8086644	0.7739194	0.4785575	1.0064912	3.7154666
5503000000	1.72787596	1.675516082	-2.134306563	-1.991200032	-8.136358098	-0.246113362	0.7821403	0.7951334	0.3919062	0.9720628	3.5000173
5503000000	1.72787596	1.72787596	-2.567318847	-1.991639958	-9.0861515	-0.57135832	0.7441047	0.7990301	0.3512119	0.9363368	3.0051375
5503000000	1.72787596	1.780235837	-2.655225678	-2.069005565	-8.940865928	-0.844387607	0.7366119	0.7880426	0.3572372	0.9073621	2.8891608
5503000000	1.72787596	1.832595715	-2.512689173	-2.102423584	-8.5964977	-1.097411076	0.7487995	0.7805166	0.3716851	0.8831115	2.8815555
5503000000	1.72787596	1.884955592	-2.722945152	-2.15590909	-8.335546473	-1.467638846	0.7308912	0.7801982	0.3830211	0.8445358	2.730119
5503000000	1.72787596	1.93731547	-3.624281151	-2.427382702	-7.710814929	-2.069910443	0.6588491	0.7561899	0.4115847	0.7879606	2.3274529
5503000000	1.72787596	1.989675347	-4.952417011	-3.040767807	-6.685603368	-2.875237395	0.5654304	0.7046308	0.4631455	0.718188	1.7766649
5503000000	1.72787596	2.042035325	-5.862121545	-3.861344169	-5.792003046	-3.71127358	0.5920605	0.6411104	0.5133337	0.6522834	1.2739235
5503000000	1.72787596	2.094395102	-6.205093459	-4.486758769	-5.377889356	-4.444224577	0.4894917	0.5965709	0.5383384	0.5994994	0.9217066
5503000000	1.72787596	2.146759498	-6.66135767	-4.680545102	-5.459123282	-5.158955494	0.4644427	0.5834085	0.5333845	0.5521438	0.5607624
5503000000	1.72787596	2.199114858	-6.852717947	-4.742718359	-5.936610285	-6.044908464	0.4543224	0.5792474	0.5048583	0.4986026	0.1593514
5503000000	1.72787596	2.251474735	-6.066864308	-5.0526135	-6.652827737	-7.158325585	0.4973439	0.5589453	0.4648966	0.4386139	-0.176366
5503000000	1.72787596	2.303834613	-5.423058496	-5.641844467	-7.109637169	-8.298377629	0.535608	0.5222853	0.4410808	0.3846366	-0.520652
5503000000	1.72787596	2.35619449	-6.247777078	-6.318293337	-6.932381367	-9.035995201	0.4870922	0.4831537	0.4501745	0.353346	-1.042671
5503000000	1.72787596	2.408554368	-0.939672768	-7.104620428	-6.904510416	-9.073786057	0.3531965	0.4413356	0.4516214	0.351812	-1.949522
5503000000	1.72787596	2.460914245	-11.20794563	-8.410863137	-8.138928573	-8.663636748	0.275171	0.3797142	0.3917902	0.3688231	-3.002411
5503000000	1.72787596	2.513274123	-8.9734165	-10.71722875	-1.31853539	-8.387549023	0.355901	0.2911646	0.2716897	0.3807348	-3.745141
5503000000	1.72787596	2.565634	-7.505422317	-13.79086545	-14.82461296	-8.698424171	0.4214333	0.2043886	0.1814552	0.3673489	-4.622607
5503000000	1.72787596	2.617993878	-7.689987668	-13.96145896	-13.48774843	-9.599987504	0.4125728	0.2004135	0.2116497	0.3311316	-4.763189
5503000000	1.72787596	2.670353756	-8.20174111	-10.86917184	-12.48958869	-10.38716211	0.3889672	0.2861155	0.2374218	0.3024419	-4.329458
5503000000	1.72787596	2.722713633	-8.643351657	-8.654731165	-13.46605019	-10.53078126	0.3696855	0.3692015	0.2121766	0.2974822	-4.092511
5503000000	1.72787596	2.775073511	-10.45378626	-8.050439593	-13.70730879	-10.95179999	0.3001309	0.359802	0.2063707	0.2834066	-4.541028
5503000000	1.72787596	2.827433388	-14.35205271	-9.061728308	-12.68111819	-12.68111819	0.1916008	0.3523008	0.2244119	0.2322438	-6.015761
5503000000	1.72787596	2.877979326	-13.86809343	-11.56352847	-13.55101772	-15.70320262	0.2025794				

5503000000	1.780235837	-0.733038286	-2.077792908	1.228938044	-1.05919647	0.040480048	0.7872458	1.1519852	0.8851975	1.0046713	5.6413338
5503000000	1.780235837	-0.680678408	-0.760059678	1.295393217	-0.026539319	0.0526502	0.9162142	1.1608328	0.9969492	1.00608	6.1927565
5503000000	1.780235837	-0.628318531	0.196105212	1.67028597	0.569744728	0.106544586	1.0228342	1.2128342	1.0677934	1.0123419	6.6806339
5503000000	1.780235837	-0.575958653	0.500773928	2.161770635	0.589791806	0.234307804	1.0593481	1.282592	1.0702607	1.0273428	6.9261667
5503000000	1.780235837	-0.523598776	0.611668551	2.559760173	0.473066435	0.393773089	1.0729597	1.3427279	1.055974	1.0463781	7.078401
5503000000	1.780235837	-0.471238898	1.001601111	2.737882162	0.728720432	0.523571263	1.1222253	1.3762398	1.0875169	1.0621322	7.3249538
5503000000	1.780235837	-0.41887902	1.398403064	2.793975732	1.195677411	0.601858929	1.1746816	1.3794277	1.1475824	1.0717487	7.5560291
5503000000	1.780235837	-0.366519143	1.366377891	2.668989401	1.488880417	0.676927406	1.1703584	1.35972	1.1869817	1.10810515	7.6008609
5503000000	1.780235837	-0.314159265	1.120631781	2.737893171	1.579771873	0.847042026	1.1377102	1.3302083	1.1994678	1.1024327	7.5494382
5503000000	1.780235837	-0.261799388	1.368828069	2.293895658	1.585361666	1.183140462	1.1706886	1.3022512	1.20024	1.1459272	7.6387315
5503000000	1.780235837	-0.20943951	2.093622369	2.146821316	1.46051414	1.655879995	1.2725684	1.2803864	1.1831116	1.210024	7.8646411
5503000000	1.780235837	-0.157079633	2.497698629	2.026431766	1.155623032	2.145858991	1.3331682	1.2627622	1.1423026	1.2802446	7.9908398
5503000000	1.780235837	-0.104719755	2.14480404	1.90061059	0.916412965	2.51593329	1.2800891	1.2446021	1.1112727	1.3359699	7.9098068
5503000000	1.780235837	-0.052359878	1.315098487	1.734201716	1.040889285	2.677065575	1.1634693	1.2209843	1.1273129	1.3609848	7.734885
5503000000	1.780235837	-4.44E-16	0.959000806	1.507444572	1.327627588	2.623026866	1.1167348	1.1895213	1.1651488	1.3525438	7.6474537
5503000000	1.780235837	0.052359878	1.47729259	1.24114664	1.313886429	2.43297125	1.1853992	1.1536055	1.1633069	1.3232703	7.6503934
5503000000	1.780235837	0.104719755	2.005040611	1.01036843	0.803620797	2.236114164	1.2596562	1.1233586	1.0969354	1.293617	7.5562609
5503000000	1.780235837	0.157079633	1.856869509	0.930101637	0.066005832	2.143469482	1.2383502	1.1130254	1.0076281	1.2798924	7.3076932
5503000000	1.780235837	0.20943951	0.989262293	1.111264158	-0.09631543	2.187276043	1.1206322	1.1364837	0.9761542	1.2836368	7.0814652
5503000000	1.780235837	0.261799388	-0.058435901	1.578299338	0.203071385	2.317819487	0.9932949	1.1992645	1.0236549	1.305843	7.0861213
5503000000	1.780235837	0.314159265	-0.375278841	2.203834391	0.551769238	2.45404438	0.9577145	1.288184	1.0655859	1.3264846	7.3071149
5503000000	1.780235837	0.366519143	0.081673031	2.772955799	0.114305013	2.534825344	1.0094473	1.3798884	1.0132468	1.3388788	7.4904997
5503000000	1.780235837	0.41887902	0.450608306	3.111830448	-0.27515565	2.535326757	1.0532474	1.3038415	0.8634242	1.3386787	7.3958012
5503000000	1.780235837	0.471238898	0.193613353	3.155258277	-2.853057	2.445195475	1.0225409	1.4380133	0.7200243	1.3251339	7.0546695
5503000000	1.780235837	0.523598776	-0.791483479	2.924098047	-2.981792338	2.276864179	0.9129055	1.4002478	0.7094314	1.2997003	6.693668
5503000000	1.780235837	0.575958653	-2.298365733	2.490731184	-2.119290806	2.056691422	0.7675059	1.3320993	0.7834936	1.2671691	6.3409292
5503000000	1.780235837	0.628318531	-3.540486303	1.952861673	-1.774114386	1.58967531	0.6652359	1.2521117	0.8152565	1.2373096	5.9550215
5503000000	1.780235837	0.680678408	-3.444333502	1.420817444	-1.257297546	1.74892682	0.672641	1.1777168	0.7800728	1.224881	5.6951699
5503000000	1.780235837	0.733038286	-2.467799241	0.986068606	-2.649866754	1.75865787	0.7527227	1.1202203	0.7370665	1.2296833	5.6653298
5503000000	1.780235837	0.785398163	-1.78519939	0.66561226	-2.784657598	1.967120184	0.8142167	1.0796441	0.7257167	1.2541688	5.7402238
5503000000	1.780235837	0.837758041	-1.8352822	0.389253181	-3.007368386	2.168076366	0.8095312	1.0488338	0.7073455	1.2835231	5.680113
5503000000	1.780235837	0.890117919	-2.494551901	0.060082729	-3.07965175	2.32331909	0.7503647	1.0069413	0.6480399	1.3066701	5.3157968
5503000000	1.780235837	0.942477796	-3.321964528	-0.377856419	-4.442793751	2.388633208	0.6821844	0.9574303	0.5995982	1.3165327	4.9980138
5503000000	1.780235837	0.994837674	-3.899501648	-0.914377587	-3.809116822	2.326484224	0.6383001	0.90008	0.6455118	1.3071463	4.8384922
5503000000	1.780235837	1.047197551	-4.207495594	-1.49142618	-2.21343416	2.106241038	0.6160631	0.8422261	0.7574131	1.2744185	4.6832091
5503000000	1.780235837	1.099557429	-4.380058408	-2.046664433	-1.434781726	1.737487517	0.6039446	0.7900272	0.8477366	1.2214463	4.7689506
5503000000	1.780235837	1.151917306	-4.327728988	-2.536739883	-1.124200717	1.288142037	0.6075941	0.746729	0.8785976	1.1598641	4.9505262
5503000000	1.780235837	1.204277184	-3.875832981	-2.929456315	-1.307380116	0.853282356	0.6400418	0.7137189	0.8606265	1.1032251	4.3949596
5503000000	1.780235837	1.256637061	-3.222454216	-3.226673338	-1.769108083	0.499712482	0.6900448	0.6897097	0.8157265	1.0592187	4.2296186
5503000000	1.780235837	1.308996939	-2.860214988	-3.493833908	-2.413258908	0.247202281	0.7194312	0.6688185	0.7574205	1.0288691	4.0130142
5503000000	1.780235837	1.361356817	-3.025757964	-3.788509686	-3.193704359	0.09671793	0.7058495	0.6465089	0.6923236	1.0111973	3.6821496
5503000000	1.780235837	1.413716694	-3.45653432	-4.034350707	-3.943224656	0.047445786	0.6716968	0.628487	0.6350951	1.0054773	3.3485216
5503000000	1.780235837	1.466076572	-3.576164068	-4.012395663	-4.454042335	0.070432953	0.662509	0.6300575	0.5988222	1.0081419	3.2259541
5503000000	1.780235837	1.518436449	-3.154087499	-3.583177598	-4.789871278	0.08619258	0.6954976	0.6619743	0.5761114	1.0099727	3.3568459
5503000000	1.780235837	1.57096327	-2.605171527	-2.910894599	-5.26195031	-0.001666904	0.740869	0.7152457	0.5456353	0.9998081	3.5263354
5503000000	1.780235837	1.623156204	-2.425155036	-2.318261864	-6.054199038	-0.243468054	0.7563839	0.7657498	0.4980696	0.9723589	3.5002638
5503000000	1.780235837	1.675516082	-2.722781657	-2.017047728	-6.900875675	-0.607845311	0.730905	0.7927707	0.4518104	0.9324117	3.250983
5503000000	1.780235837	1.72787596	-3.105552722	-2.022465609	-7.221794789	-1.004377902	0.6993947	0.7922764	0.4354219	0.9890818	2.9778589
5503000000	1.780235837	1.780235837	-3.084215771	-2.189543627	-7.077181336	-1.371896669	0.7011149	0.7771822	0.4430057	0.8538964	2.8452832
5503000000	1.780235837	1.832595715	-2.859192701	-2.326957899	-7.062622095	-1.767560384	0.7195158	0.7698936	0.4434747	0.8158719	2.746595
5503000000	1.780235837	1.884955592	-3.056660493	-2.380569571	-7.256537492	-2.340803633	0.7033427	0.7602764	0.4336837	0.7637651	2.4805194
5503000000	1.780235837	1.93731547	-4.017538663	-2.498495679	-7.069475299	-3.205193514	0.6296846	0.7500241	0.443125	0.6914174	1.9875731
5503000000	1.780235837	1.989675347	-5.502428937	-2.859700285	-6.318131063	-4.32798269	0.530736	0.7194738	0.4831628	0.6057564	1.3672388
5503000000	1.780235837	2.042035225	-6.645663506	-3.466343914	-5.640694744	-5.531386668	0.4652826	0.6709386	0.5223544	0.5286995	0.7785408
5503000000	1.780235837	2.094395102	-7.149225986	-4.08864455	-5.564210033	-6.665450968	0.439075	0.6245508	0.5269744	0.4642239	0.2348928
5503000000	1.780235837	2.14675498	-7.580626146	-4.490595133	-6.176893625	-7.773853986	0.4178002	0.5963075	0.4910835	0.4068084	-0.382671
5503000000	1.780235837	2.199114858	-7.466049337	-4.756976024	-7.29875718	-8.959581496	0.423348	0.5782973	0.4315808	0.3564683	-0.965022
5503000000	1.780235837	2.251474735	-6.372066967	-5.143040107	-8.489198536	-10.14627942	0.4801718	0.5531565	0.3763051	0.3109468	-1.307102
5503000000	1.780235837	2.303834613	-5.670762923	-5.690866745	-8.552026228	-11.04565824	0.5205493	0.5193458	0.3649555	0.2803607	-1.487513
5503000000	1.780235837	2.35619449	-6.617372173	-6.249096876	-7.757127116	-11.35129094	0.4668006	0.4870182	0.409396	0.2706671	-1.756187
5503000000	1.780235837	2.408545368	-9.860236735	-6.886614163	-6.929724453	-10.98631064	0.3213573	0.4525528	0.4503123	0.2822828	-2.461187
5503000000	1.780235837	2.460914245	-12.53937393	-8.050053551	-7.465023711	-10.21857526	0.2360648	0.3958196	0.423398	0.3083694	-3.32653
5503000000	1.780235837	2.513274123	-9.412716959	-10.27283027	-9.927936163	-9.57777495	0.3383484	0.3064492	0.3188623	0.3319814	-3.770904
5503000000	1.780235837	2.565634	-7.497715135	-13.66300894	-9.498429627	-9.498429627	0.4218074	0.2074195	0.2075098	0.335026	-4.643807
5503000000	1.780235837	2.617993878	-7.5157477	-14.68017601	-13.61176645	-9.916033006	0.4209327	0.1844478	0.2086468	0.3192996	-4.933113
5503000000	1.780235837	2.670353756	-8.181579708	-11.20522603	-12.26669711	-10.20463899	0.3898711	0.2752572	0.2435932	0.3088645	-4.310607
5503000000	1.780235837	2.722713633	-8.973554553	-8.520828824	-12.81709521	-10.20798893	0.3558953	0.3749372	0.2286363	0.3087454	-3.956747
5503000000	1.780235837	2.775073511	-11.09235465</								

5503000000	1.832595715	-0.837758041	-3.828004222	2.017435268	-2.471565758	-0.427128468	0.6435759	1.261455	0.757045	0.9520145	5.1393805
5503000000	1.832595715	-0.785398163	-3.842022273	1.526036761	-1.609306556	-0.293842818	0.6425381	1.1920702	0.830873	0.9667359	5.1828365
5503000000	1.832595715	-0.733038286	-2.777650234	1.132025939	-0.667547656	-0.38871942	0.7263024	1.1392035	0.9260248	0.9562337	5.4548456
5503000000	1.832595715	-0.680678408	-1.021193615	1.067297371	0.265043009	-0.526343514	0.8890032	1.1307455	1.0309845	0.941202	6.0030697
5503000000	1.832595715	-0.628318531	0.193409637	1.381411314	0.761873803	-0.530655124	1.0225169	1.1723858	1.0916758	0.9407349	6.500869
5503000000	1.832595715	-0.575958653	0.609588303	1.883297921	0.703209713	-0.334769755	1.0727028	1.2421328	1.0843275	0.9621915	6.7718103
5503000000	1.832595715	-0.523598776	0.670541043	2.338678821	0.537674837	-0.00789414	1.0802569	1.3089828	1.0638582	0.9990916	6.9508728
5503000000	1.832595715	-0.471238898	0.914201587	2.616007323	0.784074987	0.322595816	1.1109898	1.3514512	1.0944697	1.0378385	7.2246364
5503000000	1.832595715	-0.41887902	1.245080717	2.689888083	1.252919953	0.569973642	1.1541282	1.3629954	1.1551697	1.0678216	7.4951774
5503000000	1.832595715	-0.366519143	1.279303186	2.604641948	1.523441174	0.74109404	1.1586844	1.349684	1.191714	1.0890673	7.5845683
5503000000	1.832595715	-0.314159265	1.158598934	2.440080712	1.561899269	0.926650792	1.142694	1.3243538	1.1970022	1.1125833	7.5618383
5503000000	1.832595715	-0.261799388	1.45015268	2.272851854	1.517447708	1.226962614	1.1817011	1.2991	1.190892	1.1517232	7.6464952
5503000000	1.832595715	-0.20943951	2.114770476	2.140671961	1.383560159	1.658738224	1.2756705	1.2794803	1.1726759	1.2104223	7.8508598
5503000000	1.832595715	-0.157079633	2.459609565	2.034322157	1.111090019	1.236027976	1.3273348	1.2639099	1.1364609	1.2780016	7.9687089
5503000000	1.832595715	-0.104719755	2.092213402	1.917152573	0.909008638	2.504558002	1.2723619	1.2469747	1.1103258	1.3342214	7.8958322
5503000000	1.832595715	-0.052359878	1.288146978	1.748493027	1.042680199	2.675841877	1.1598647	1.2229949	1.1275453	1.3607931	7.7321159
5503000000	1.832595715	-4.44E-16	0.959000799	1.507444528	1.327627545	2.62302702	1.1167348	1.1895213	1.1651488	1.3525438	7.6474537
5503000000	1.832595715	0.052359878	1.478585395	1.222568575	1.323981006	2.418973511	1.1855756	1.1511408	1.1646597	1.3211395	7.6448729
5503000000	1.832595715	0.104719755	2.021419133	0.987634915	0.825036638	2.201447302	1.2620337	1.1204223	0.996433	1.2884642	7.5507938
5503000000	1.832595715	0.157079633	1.925606576	0.93465171	0.075074762	2.10279631	1.2481889	1.1136086	1.0086808	1.2739131	7.3179764
5503000000	1.832595715	0.20943951	1.12802292	1.162164803	-0.220646687	2.169672196	1.1386786	1.1431632	0.974917	1.2837593	7.1215084
5503000000	1.832595715	0.261799388	0.083801007	1.651967626	0.229095511	2.340728205	1.0096946	1.2094791	1.0268227	1.3092917	7.1497173
5503000000	1.832595715	0.314159265	-0.361540449	2.24732769	0.67655088	2.506583003	0.9592305	1.2952881	1.080999	1.3345325	7.3658309
5503000000	1.832595715	0.366519143	-0.000553549	2.738000837	0.370850435	2.584198046	0.9999363	1.3705663	1.0436203	1.346511	7.5326957
5503000000	1.832595715	0.41887902	0.409690034	2.969711267	-0.871744065	2.540395607	1.0482974	1.4076204	0.9045088	1.3397377	7.4216609
5503000000	1.832595715	0.471238898	0.262335967	2.888364088	-2.419225862	2.373648837	1.0306633	1.394499	0.7569004	1.3142635	7.3065561
5503000000	1.832595715	0.523598776	-0.623837647	2.528010234	-2.833916213	2.09908047	0.9306966	1.3782827	0.7216127	1.2733683	6.5747383
5503000000	1.832595715	0.575958653	-2.102560916	1.983615829	-2.258870717	1.75951494	0.7850042	1.2565529	0.7710037	1.2245477	6.1008806
5503000000	1.832595715	0.628318531	-3.437196258	1.388776163	-2.018658465	1.442815424	0.6731939	1.1733803	0.7926237	1.1807033	5.6204429
5503000000	1.832595715	0.680678408	-3.499117736	0.884607768	-2.31805129	1.260461411	0.6684118	1.107211	0.7657684	1.1561737	5.3377161
5503000000	1.832595715	0.733038286	-2.612098707	0.550951733	-2.523867144	1.271158796	0.7402784	1.0654855	0.7478365	1.1575985	5.3696845
5503000000	1.832595715	0.785398163	-1.952846619	0.344645412	-2.365704321	1.427155439	0.7986522	1.0404765	0.7615787	1.1785765	5.5275903
5503000000	1.832595715	0.837758041	-1.978784201	0.138548007	-2.46532911	1.622738646	0.7962708	1.0160788	0.7528935	1.2054159	5.5077454
5503000000	1.832595715	0.890117919	-2.568064039	-0.178644445	-0.1786437408	1.773341469	0.7440409	0.9796249	0.6866859	1.2249686	5.1939515
5503000000	1.832595715	0.942477796	-3.303979285	-0.646669401	-4.155105539	1.829675469	0.6835984	0.9282534	0.6197902	1.2344792	4.7762749
5503000000	1.832595715	0.994837674	-3.817489766	-1.232166188	-3.751497073	1.752140117	0.6443555	0.8677441	0.6492697	1.2235085	4.5702601
5503000000	1.832595715	1.047197551	-4.093387651	-1.851247317	-2.425537109	1.512791546	0.6242098	0.8080489	0.7563506	1.1920538	4.554812
5503000000	1.832595715	1.099557429	-4.242537565	-2.402178889	-1.456859557	1.128493655	0.6135827	0.7583873	0.8455845	1.1387403	4.4966022
5503000000	1.832595715	1.151917306	-4.189693647	-2.791231628	-1.208681477	0.67368662	0.6173271	0.7251066	0.8700935	1.0806482	4.3185882
5503000000	1.832595715	1.204277184	-3.791510999	-2.961990559	-1.563318396	0.239976943	0.6462856	0.7110505	0.8352838	1.0280136	4.1382262
5503000000	1.832595715	1.256637061	-3.234232809	-2.95326244	-2.350556022	-0.122216971	0.6891097	0.7117654	0.7629081	0.9860728	3.9450898
5503000000	1.832595715	1.308996939	-2.968952381	-2.899770062	-3.524369086	-0.409920602	0.7104809	0.7161624	0.6664714	0.9539025	3.656898
5503000000	1.832595715	1.361356817	-3.206802025	-2.917116531	-5.071673098	-0.623167339	0.6912894	0.7147336	0.5577202	0.9307684	3.2109058
5503000000	1.832595715	1.413716694	-3.674411619	-2.992061815	-6.584741911	-0.747211138	0.6550575	0.7085931	0.4685575	0.9175705	2.7653546
5503000000	1.832595715	1.464607572	-3.804939102	-2.976546447	-7.135273934	-0.796508125	0.6452872	0.70986	0.4397808	0.9123776	2.6301455
5503000000	1.832595715	1.586346449	-3.407398075	-2.713165495	-6.680993768	-0.852299491	0.6575074	0.7317146	0.4633939	0.9065359	2.8513925
5503000000	1.832595715	1.570796327	-2.917300318	-2.227515455	-6.20131712	-1.019291866	0.7147184	0.737792	0.4897046	0.8892736	3.1294341
5503000000	1.832595715	1.623156204	-2.810508147	-1.738699477	-6.143068461	-1.342597826	0.7235601	0.8185873	0.4929996	0.8567816	3.2031514
5503000000	1.832595715	1.675516082	-3.155776543	-1.464559104	-6.239925258	-1.771152175	0.6953624	0.8448353	0.4875327	0.8155346	3.0557466
5503000000	1.832595715	1.72787596	-3.518663224	-1.487594181	-6.073932136	-2.20649704	0.6669094	0.8426028	0.4969394	0.7576667	2.8669119
5503000000	1.832595715	1.780235837	-3.43610305	-1.747515492	-5.96661223	-2.617474801	0.6732787	0.8177569	0.5130586	0.7398203	2.7468115
5503000000	1.832595715	1.832595715	-3.190342135	-2.094929403	-5.8791077	-3.1126	0.6926006	0.7985492	0.508208	0.6988275	2.5593543
5503000000	1.832595715	1.884955592	-3.424186659	-2.399636817	-6.371851019	-3.877364555	0.674203	0.7586093	0.4801837	0.639929	2.1201612
5503000000	1.832595715	1.93731547	-4.466428589	-2.671942041	-6.720390104	-5.042430718	0.5979689	0.7351956	0.4612682	0.559601	1.4156331
5503000000	1.832595715	1.989675347	-6.095121702	-3.037916771	-6.45935785	-6.578943834	0.4957285	0.7048621	0.4753704	0.4688704	0.6072632
5503000000	1.832595715	2.042035225	-7.435256929	-3.563787989	-6.043333751	-8.275480674	0.4248515	0.6634352	0.498693	0.385679	-0.119479
5503000000	1.832595715	2.094395125	-7.994218155	-4.13781649	-6.172520209	-9.889575925	0.3983723	0.6210251	0.4913308	0.3202736	-0.766824
5503000000	1.832595715	2.14675498	-8.111725935	-4.581857123	-7.177410852	-11.34429976	0.3930191	0.5900409	0.4376525	0.270885	-1.454484
5503000000	1.832595715	2.199114858	-7.469188727	-4.909543275	-12.32130636	-12.59754112	0.423195	0.5682283	0.349892	0.2344893	-2.070553
5503000000	1.832595715	2.251474735	-6.268030123	-5.302960948	-11.63416619	-13.4449042	0.4859577	0.5430652	0.2619944	0.2126938	-2.477312
5503000000	1.832595715	2.303834613	-5.806299324	-5.814739134	-12.22774893	-13.67063847	0.5124896	0.5119918	0.2446879	0.2072374	-2.63648
5503000000	1.832595715	2.35619449	-7.127952319	-6.325841083	-9.751424031	-13.22929322	0.4401517	0.4827341	0.3254084	0.2180396	-2.695943
5503000000	1.832595715	2.408554368	-11.13153414	-6.895441594	-7.736083452	-12.2445237	0.2776024	0.4520931	0.4103891	0.2442158	-3.195992
5503000000	1.832595715	2.460914245	-7.943619347	-7.486275375	-11.04799074	-12.710799074	0.1965955	0.4006997	0.4223634	0.2802854	-3.742107
5503000000	1.832595715	2.513274123	-9.632293527	-10.02067708	-9.287168028	-10.13073751	0.3299023	0.3154759	0.3432745	0.3115036	-3.740688
5503000000	1.832595715	2.565634	-7.398309342	-13.47682734	-12.67563762	-9.816350492	0.4266626	0.2119135	0.2323904	0.3229851	-4.480866
5503000000	1.832595715	2.617993878	-7.337760828	-15.30500021	-13.28105245	-9.939769795	0.4296472	0.171692	0.2167441	0.3184282	-4.909123
5503000000	1.832595715	2.670353756	-8								

5503000000	1.884955592	-0.942477796	-4.94926687	2.501130189	-3.632754763	-2.276805459	0.5656355	1.333695	0.6582066	0.7694134	4.4203268
5503000000	1.884955592	-0.890117919	-4.502920687	2.512903335	-2.916449389	-1.37161333	0.5954619	1.3355039	0.7147885	0.8539242	4.859693
5503000000	1.884955592	-0.837758041	-4.542255326	2.290050982	-2.1958364755	-0.814393497	0.5927714	1.301675	0.7981449	0.9105008	5.1129073
5503000000	1.884955592	-0.785398163	-4.524612679	1.873241088	-1.115584834	-0.640365572	0.5939766	1.2406685	0.8798746	0.9289273	5.2096921
5503000000	1.884955592	-0.733038286	-3.053097982	1.426480124	-0.267997689	-0.743645216	0.7036312	1.1748489	0.9696168	0.9179473	5.5054901
5503000000	1.884955592	-0.680678408	-0.995754389	1.207487545	0.517977819	-0.933526807	0.8916867	1.1491438	1.0614484	0.8980979	6.021418
5503000000	1.884955592	-0.628318531	0.347658105	1.367445342	0.90938562	-0.7095213577	1.0408374	1.1750523	1.1096647	0.8917422	6.4707065
5503000000	1.884955592	-0.575958653	0.790896194	1.786746415	0.786588784	-0.793954181	1.0953296	1.228393	1.0947865	0.9126459	6.7114744
5503000000	1.884955592	-0.523598776	0.763166253	2.22424386	0.06085174	-0.363357015	1.0918383	1.2515797	1.0722703	0.9590299	6.8774597
5503000000	1.884955592	-0.471238898	0.848457379	2.511285672	0.85766183	0.13460769	1.1026124	1.3352552	1.1037815	1.015618	7.1534897
5503000000	1.884955592	-0.41887902	1.110846272	2.607748578	1.230794115	0.544823984	1.136429	1.3501668	1.1642325	1.0647342	7.4500702
5503000000	1.884955592	-0.366519143	1.217625619	2.545729845	1.560888903	0.818302061	1.1504858	1.3405607	1.196863	1.098791	7.5801254
5503000000	1.884955592	-0.314159265	1.222540224	2.399813329	1.546072067	1.024209609	1.151137	1.3182284	1.1948231	1.1251501	7.584911
5503000000	1.884955592	-0.261799388	1.546918299	2.246882324	1.45237483	1.284635217	1.1949395	1.2952217	1.1819998	1.1539359	7.661142
5503000000	1.884955592	-0.20943951	2.139441391	2.128507938	1.308791747	1.666332771	1.279299	1.2776897	1.1626365	1.2114811	7.8382874
5503000000	1.884955592	-0.157079633	2.416478518	2.036628781	1.06804929	2.114324846	1.3207601	1.2642456	1.1308434	1.2756051	7.9439417
5503000000	1.884955592	-0.104719755	2.033109753	1.930003699	0.902469292	2.491371174	1.2673375	1.248821	1.1094902	1.3321973	7.8789444
5503000000	1.884955592	-0.052359878	1.25885493	1.761393042	1.104499198	2.673929412	1.1559598	1.2848126	1.1278455	1.3604935	7.7283944
5503000000	1.884955592	-4.44E-16	0.959000635	1.507444428	1.327627403	2.623027097	1.1167348	1.1895213	1.1651487	1.3525439	7.6474536
5503000000	1.884955592	0.052359878	1.478149224	1.204407121	1.334023519	2.405498635	1.1855161	1.1487363	1.166007	1.3190915	7.6391173
5503000000	1.884955592	0.04719755	2.035954255	0.966472436	0.849389063	2.168678903	1.2641474	1.1176958	1.1027307	1.2836125	7.5464646
5503000000	1.884955592	0.157079633	1.995847531	0.943348371	0.095206166	2.065463601	1.2583237	1.1147242	1.0110213	1.2684495	7.3331266
5503000000	1.884955592	0.20943951	1.274948986	1.216873205	-0.1271266689	2.154128283	1.1581037	1.1053862	0.9752965	1.281464	7.1686922
5503000000	1.884955592	0.261799388	0.24773152	1.722020875	0.25589676	2.360564339	1.0289318	1.2192732	1.0298995	1.3122852	7.2163911
5503000000	1.884955592	0.314159265	-0.318286689	2.274862092	0.551149867	2.2551149867	0.9640192	1.2994207	1.0935038	1.3413975	7.4182542
5503000000	1.884955592	0.366519143	-0.070513473	2.675280179	0.586640704	2.628780245	0.9919147	1.3607051	1.0698725	1.35344	7.5605634
5503000000	1.884955592	0.366519143	0.369144285	2.587594306	-1.912220098	2.354260485	1.0434153	1.3790269	0.9449019	1.3429683	7.4403943
5503000000	1.884955592	0.471238898	0.339330109	2.587594306	-1.912220098	2.354260485	1.03984	1.3470376	0.8023964	1.3113331	7.044822
5503000000	1.884955592	0.523598776	-0.414579121	2.116105173	-2.503565237	2.027801171	0.953391	1.2758607	0.7495865	1.2629613	6.5304149
5503000000	1.884955592	0.575958653	-1.798309216	1.500502976	-2.281243687	1.631157977	0.8129888	1.1885711	0.7690203	1.2065849	5.9708724
5503000000	1.884955592	0.628318531	-3.156872256	0.909520639	-2.290111546	1.266768427	0.6952746	1.1103913	0.7682356	1.1570135	5.4157071
5503000000	1.884955592	0.680678408	-3.402153199	0.491153723	-2.648714917	1.06246513	0.6759154	1.0581755	0.7371642	1.1301166	5.108759
5503000000	1.884955592	0.733038286	-2.688445679	0.270333163	-2.654292694	1.078832617	0.733398	1.0316126	0.736691	1.1322482	5.1873995
5503000000	1.884955592	0.785398163	-2.118127349	0.12692627	-2.199053684	1.254737299	0.7855986	1.0147202	0.7763317	1.155412	5.4137221
5503000000	1.884955592	0.837758041	-2.168568359	-0.096344822	-2.088723415	1.468899555	0.7790612	0.9889692	0.7862557	1.1842545	5.4334418
5503000000	1.884955592	0.890117919	-2.716038839	-0.489556248	-2.772406689	1.624928985	0.7314726	0.9451967	0.726741	1.20572	5.1274512
5503000000	1.884955592	0.942477796	-3.343927976	-1.053046589	-3.695370469	1.670123453	0.6804616	0.8858245	0.6534788	1.2120099	4.6897755
5503000000	1.884955592	0.994837674	-3.722213025	-1.716077163	-3.485507169	1.577144508	0.6514624	0.8207221	0.66946	1.199105	4.4562785
5503000000	1.884955592	1.047197551	-3.873683996	-2.358534066	-2.259875314	1.341885987	0.6402002	0.7622076	0.7709145	1.167063	4.4553315
5503000000	1.884955592	1.099557429	-3.91621643	-2.837671366	-2.1268974972	0.997844193	0.637073	0.7213008	0.8640746	1.12174	4.4652149
5503000000	1.884955592	1.151917306	-3.785639905	-3.034946214	-0.949996326	0.609476644	0.6467226	0.7051302	0.8963966	1.072689	4.4045457
5503000000	1.884955592	1.204277184	-3.368442314	-2.927847729	-2.1217418089	0.231541936	0.6785438	0.7103851	0.8692188	1.0270157	4.3196987
5503000000	1.884955592	1.256637061	-2.853185244	-2.631260617	-1.9275575749	-0.122757389	0.7200137	0.7386471	0.8009792	0.9859664	4.2053168
5503000000	1.884955592	1.308996939	-2.640000302	-3.23988505	-3.101019828	-0.463993566	0.7379042	0.7652451	0.6997598	0.9479825	3.9480695
5503000000	1.884955592	1.361356817	-2.889373304	-2.125138663	-4.897602116	-0.787334248	0.7170201	0.7829663	0.56901	0.9133417	3.7405376
5503000000	1.884955592	1.413716694	-3.322607828	-2.040194817	-1.068321271	-1.068321271	0.6821339	0.7906609	0.4359732	0.8842681	2.9009309
5503000000	1.884955592	1.466076572	-3.440482026	-1.977912689	-8.76927893	-1.30478863	0.6729393	0.7963507	0.3643645	0.8605192	2.587912
5503000000	1.884955592	1.518436449	-3.119119405	-1.813496616	-8.270616174	-1.548050734	0.6983032	0.8115685	0.385895	0.8637534	2.7106673
5503000000	1.884955592	1.570796327	-2.762123111	-1.500386784	-1.771304289	-1.862539353	0.7276019	0.8413577	0.4379603	0.8069991	2.965632
5503000000	1.884955592	1.623156204	-2.781362453	-1.137443588	-6.544793544	-2.250094688	0.7259921	0.837259	0.4705472	0.7717831	3.0628203
5503000000	1.884955592	1.675516082	-3.203617514	-0.889538081	-6.2145495	-2.635908979	0.6915429	0.9026577	0.4889591	0.7382519	2.9887289
5503000000	1.884955592	1.72787596	-3.589100902	-0.869384296	-5.770185649	-2.958683465	0.661523	0.9047546	0.5146248	0.7113213	2.8984043
5503000000	1.884955592	1.780235837	-3.533798681	-1.098616522	-5.338742116	-3.27881483	0.6657483	0.8811892	0.5408326	0.6855818	2.8394997
5503000000	1.884955592	1.832595715	-3.365566482	-1.523007462	-5.34389571	-3.770497571	0.6787685	0.8391694	0.5405119	0.647851	2.6269212
5503000000	1.884955592	1.884955592	-3.705987173	-2.047521634	-5.890590002	-4.619172206	0.6526805	0.7899942	0.5075403	0.5875453	2.0684122
5503000000	1.884955592	1.93731547	-4.857107819	-2.601572178	-6.529790348	-5.924834068	0.571669	0.7411761	0.4715313	0.5055432	1.1758044
5503000000	1.884955592	1.989675347	-6.584354427	-3.193907474	-6.602979043	-7.627183133	0.4685784	0.6923164	0.4675747	0.4155668	0.8191725
5503000000	1.884955592	2.042035225	-7.968350639	-3.86008403	-6.221638846	-9.47316636	0.3995604	0.6412034	0.4885602	0.3360019	-0.605506
5503000000	1.884955592	2.094395102	-8.322001305	-4.53904448	-6.124948994	-11.14534652	0.3836188	0.5929906	0.4940291	0.2771614	-1.170766
5503000000	1.884955592	2.14675498	-7.87326091	-5.074018683	-6.848295666	-12.47914134	0.4039587	0.5575696	0.4545537	0.2377075	-1.650995
5503000000	1.884955592	2.199114858	-6.840849905	-5.418711154	-6.698160689	-13.43313728	0.4549435	0.5358762	0.3673601	0.2129821	-2.096181
5503000000	1.884955592	2.251474735	-5.876824342	-5.723183958	-11.97418233	-13.94766062	0.5083453	0.5174717	0.2519364	0.2007322	-2.624579
5503000000	1.884955592	2.303834613	-5.932278567	-6.100351133	-15.15549924	-13.86636899	0.5051101	0.4954302	0.1746727	0.2026196	-3.236671
5503000000	1.884955592	2.35619449	-7.899552679	-6.506850871	-12.30958248	-13.07550143	0.4027378	0.4727782	0.2423934	0.2219346	-3.479515
5503000000	1.884955592	2.408554368	-13.15245555	-6.991481645	-10.645959492	-11.85300411	0.219977	0.4471219	0.3529149	0.2545758	-3.907062
5503000000	1.884955592	2.460914245	-15.37798728	-7.903122947	-8.004789748	-10.69195944	0.1702553	0.4025723	0.3978877	0.290129	-3.994403
5503000000	1.884955592	2.513747123	-9.438935099	-9.763261518	-9.192001315	-9.97299217	0.3373287	0.3249653	0.3470563	0.3172126	-3.566044
5503000000	1.884955592	2.565634	-7.1								

5503000000	1.93731547	-1.047197551	-1.85636215	1.849290216	-3.230337911	-4.624467217	0.8075732	1.2372701	0.6894188	0.5871873	4.4059527
5503000000	1.93731547	-0.994837674	-3.43421389	2.205663021	-3.732785688	-4.078464991	0.6734251	1.2890897	0.6506699	0.6252832	4.1861921
5503000000	1.93731547	-0.942477796	-4.279042227	2.555653697	-3.465605881	-3.060584492	0.6110094	1.3240932	0.6709957	0.703025	4.420778
5503000000	1.93731547	-0.890117919	-4.361869276	2.752488574	-2.43162701	-2.048100462	0.6052106	1.3728542	0.7558205	0.7899416	4.9196914
5503000000	1.93731547	-0.837758041	-4.624650924	2.69888383	-1.380140526	-1.343947334	0.5871749	1.3644078	0.8530863	0.8566484	5.2521477
5503000000	1.93731547	-0.785398163	-4.531652133	2.390027316	-0.586142111	-0.10175618	0.5934954	1.3167441	0.9347444	0.8901152	5.2544288
5503000000	1.93731547	-0.733038286	-2.870416504	1.948760642	-0.100943107	-0.078584532	0.7185867	1.2515207	1.0116893	0.8934511	5.7453895
5503000000	1.93731547	-0.680678408	-0.748702031	1.617460984	0.712045991	-1.105171005	0.917413	1.2046837	1.0854312	0.8805245	6.2097923
5503000000	1.93731547	-0.628318531	0.595033511	1.601215522	0.990034645	-1.199652619	1.0709068	1.2024327	1.1207319	0.8709984	6.577923
5503000000	1.93731547	-0.575958653	1.004841434	1.866965938	0.847346001	-0.167907512	1.122644	1.2397905	1.1024713	0.8843102	6.7476196
5503000000	1.93731547	-0.523598776	0.87464935	2.207646639	0.692323094	-0.638568788	1.1059423	1.2893842	1.0829693	0.921195	6.8630795
5503000000	1.93731547	-0.471238898	0.809673369	2.451241288	0.958090989	-0.043293232	1.0977	1.3260566	1.1166178	0.95050281	7.1117168
5503000000	1.93731547	-0.41887902	1.009067646	2.535280696	1.398914452	0.503701916	1.1231904	1.338949	1.1747507	1.0597053	7.4150631
5503000000	1.93731547	-0.366519143	1.189912387	2.479232145	1.595949125	0.881255282	1.146821	1.3303368	1.2017039	1.1067837	7.5782103
5503000000	1.93731547	-0.314159265	1.310780021	2.346459956	1.527504208	1.119069213	1.162891	1.310156	1.1922716	1.1375054	7.6093334
5503000000	1.93731547	-0.261799388	1.653371994	2.208325512	1.388825812	1.346468597	1.2096747	1.2894849	1.173387	1.1676789	7.6767122
5503000000	1.93731547	-0.20943951	2.164152049	2.106294537	1.237687861	1.676465762	1.2829437	1.2744263	1.1531463	1.2128952	7.8247228
5503000000	1.93731547	-0.15079633	2.367259653	2.031886594	1.027741306	2.09717968	1.3132971	1.2635555	1.1256077	1.2730896	7.9162219
5503000000	1.93731547	-0.104719755	1.967577697	1.938869595	0.897151423	2.476719374	1.2542349	1.2500963	1.1088111	1.329952	7.8593781
5503000000	1.93731547	-0.052559878	1.227440791	1.772872194	1.047808534	2.671415393	1.1517866	1.2264324	1.1282113	1.3600998	7.7727883
5503000000	1.93731547	-0.444-16	0.959000712	1.507444283	1.327627423	2.623027126	1.1167348	1.1895213	1.1651487	1.3525439	7.6474536
5503000000	1.93731547	0.052359878	1.475979033	1.186693316	1.343936391	2.392640267	1.1852199	1.146396	1.1673385	1.3171402	7.6333005
5503000000	1.93731547	0.104719755	2.048080157	0.946425414	0.87668495	2.138023359	1.2659134	1.1151191	1.1061969	1.2799092	7.5430634
5503000000	1.93731547	0.15079633	2.065804055	0.953642636	0.127141381	2.031122569	1.2684992	1.1160461	1.0147453	1.2634440	7.3522148
5503000000	1.93731547	0.20943951	1.427258413	1.269321155	-0.137850584	2.178505084	1.1785905	1.1573536	0.9774326	1.2790647	7.2202726
5503000000	1.93731547	0.261799388	0.432996528	1.78042084	0.278554262	2.370227055	1.051114	1.2274897	1.0325895	1.3137458	7.2815373
5503000000	1.93731547	0.314159265	-0.235899296	2.28048776	0.842430414	2.575793782	0.9732066	1.3002426	1.101848	1.3452088	7.4591711
5503000000	1.93731547	0.366519143	-0.115508329	2.584581496	0.745040873	2.652409327	0.9868408	1.3465704	1.0895622	1.3571269	7.5681404
5503000000	1.93731547	0.41887902	0.33208238	2.588453452	-0.167290013	2.577967141	1.0389727	1.3471708	0.9809243	1.3455454	7.444636
5503000000	1.93731547	0.471238898	0.413139207	2.281119954	-1.389775842	2.370754549	1.0487137	1.3003372	0.8521405	1.3138256	7.0725881
5503000000	1.93731547	0.523598776	-0.193082588	1.739651304	-0.2018930843	2.053993905	0.9780158	1.2217506	0.7925989	1.2627756	6.5658403
5503000000	1.93731547	0.575958653	-1.434451118	1.116664424	-2.109628368	1.671524884	0.8477688	1.1371905	0.7843657	1.2122055	5.984001
5503000000	1.93731547	0.628318531	-2.740656504	0.59813472	-2.452557238	1.323365053	0.7294024	1.0712892	0.7540013	1.1645771	5.3885543
5503000000	1.93731547	0.680678408	-3.132872955	0.297168261	-0.3015902928	1.142362562	0.6971984	1.0348047	0.7665009	1.141056	5.0551532
5503000000	1.93731547	0.733038286	-2.631207419	0.155450409	-2.942445041	1.195091067	0.7386516	1.018058	0.7126524	1.1475049	5.1460506
5503000000	1.93731547	0.785398163	-2.202211984	-0.002962449	-2.28739098	1.42113878	0.7760495	0.999659	0.773663	1.1777604	5.4069417
5503000000	1.93731547	0.837758041	-2.320874511	-0.326419237	-1.884720734	1.692340395	0.7655195	0.963117	0.8049408	1.215114	5.4569397
5503000000	1.93731547	0.890117919	-2.850788928	-0.859957454	-2.389825444	1.899446491	0.7202123	0.905737	0.7594667	1.2444353	5.1771769
5503000000	1.93731547	0.942477796	-3.351529472	-1.551937882	-3.270765398	1.982766282	0.6798663	0.836379	0.6862174	1.25643	4.758142
5503000000	1.93731547	0.994837674	-3.528753299	-2.285550003	-3.737993234	1.927348259	0.6661351	0.7686387	0.6859624	1.2484392	4.5298728
5503000000	1.93731547	1.047197551	-3.480795892	-2.907410346	-2.25273845	1.755551387	0.6698232	0.7155327	0.7715482	1.2239892	4.6500294
5503000000	1.93731547	1.099557429	-3.364826244	-3.264132201	-3.112010281	1.515032508	0.6788263	0.6867417	0.859902	1.1905606	4.6498351
5503000000	1.93731547	1.151917306	-3.12733092	-3.268762362	-0.993634015	1.249425581	0.6976433	0.6863757	0.8974946	1.1547056	4.7010173
5503000000	1.93731547	1.204277184	-2.668737179	-2.967055813	-1.06067713	0.967849347	0.7354669	0.710636	0.8850466	1.117873	4.7333207
5503000000	1.93731547	1.256637061	-2.166916998	-2.571906341	-1.50590819	0.648739345	0.7792093	0.7483499	0.840823	1.0775488	4.7255318
5503000000	1.93731547	1.308996939	-1.961625018	-2.087881607	-2.285389257	0.752165949	0.7978454	0.7863319	0.7686534	1.0321868	4.5706185
5503000000	1.93731547	1.361356817	-2.15872811	-1.771003806	-3.573842747	-0.140368531	0.7799443	0.8155485	0.6626861	0.9383694	4.1960577
5503000000	1.93731547	1.413716694	-2.497456394	-1.581490409	-5.387135474	-0.566286919	0.7501138	0.8335381	0.5378278	0.9368836	3.6891818
5503000000	1.93731547	1.466076572	-2.591412185	-1.473565993	-0.728597062	-0.983452218	0.7420435	0.8439597	0.4452154	0.8929505	3.2994498
5503000000	1.93731547	1.518436449	-2.383180975	-1.360615427	-7.324167734	-1.397554971	0.7600479	0.8550061	0.4303201	0.8513777	3.2176257
5503000000	1.93731547	1.570796327	-2.200460459	-1.166059899	-6.697467105	-1.807148314	0.776206	0.8743735	0.4625159	0.821618	3.3026813
5503000000	1.93731547	1.623156204	-2.361523847	-0.8987881	-6.206328808	-2.168846752	0.7619453	0.9016969	0.4894221	0.7790362	3.3229774
5503000000	1.93731547	1.675516082	-2.854868097	-0.658954363	-5.931993967	-2.434546991	0.7198742	0.9269414	0.5051267	0.7555664	3.2498205
5503000000	1.93731547	1.72787596	-3.27998187	-0.56467617	-5.53023835	-2.642590849	0.6854897	0.9370583	0.5290395	0.7376842	3.1951675
5503000000	1.93731547	1.780235837	-3.323214137	-0.693940741	-5.067426001	-2.936830506	0.6820862	0.9232152	0.5579929	0.7131132	3.1564087
5503000000	1.93731547	1.832595715	-3.314191065	-1.067535653	-4.977170753	-3.490256435	0.6827952	0.884348	0.5638213	0.6690941	2.9227424
5503000000	1.93731547	1.884955592	-3.814075043	-1.64634385	-5.449651929	-4.433592549	0.6446088	0.8273377	0.5339707	0.6002337	2.2993912
5503000000	1.93731547	1.93731547	-5.078849307	-2.352942529	-6.138268139	-5.815340916	0.5572596	0.7626985	0.4932721	0.5119564	1.3085562
5503000000	1.93731547	1.989675347	-6.813447721	-3.130662977	-6.303039504	-7.557794289	0.4563811	0.6937358	0.484003	0.4188999	0.2426489
5503000000	1.93731547	2.042053225	-8.006422278	-3.975287083	-5.767691276	-3.931199489	0.3978129	0.6327551	0.5147726	0.3375515	-0.524091
5503000000	1.93731547	2.094395102	-7.919690389	-4.860837224	-5.254786168	-1.15022266	0.4018051	0.5714236	0.5460856	0.2770058	-0.932926
5503000000	1.93731547	2.14675498	-6.989629934	-5.642270432	-6.28811202	-12.49873801	0.4472172	0.5222597	0.5357466	0.2371718	-1.197666
5503000000	1.93731547	2.199114858	-5.93004422	-6.146342918	-6.559645811	-13.36760392	0.5052401	0.4928138	0.4699133	0.2145951	-1.501177
5503000000	1.93731547	2.251474735	-5.446289785	-6.401712461	-8.834283018	-13.64833673	0.5341774	0.4785357	0.3616478	0.2077702	-2.03575
5503000000	1.93731547	2.303834613	-6.208041574	-6.581946113	-12.04415125	-13.14965903	0.4893256	0.4687084	0.2499151	0.2200478	-2.926055
5503000000	1.93731547	2.35619449	-9.12561763	-6.782578049	-12.85461651	-11.97007429	0.3497189	0.5805099	0.2276508	0.2520556	-8.826119
5503000000	1.93731547	2.40854368	-16.52107633	-7.098199866	-10.21390323	-10.6927402	0.1492609	0.441662	0.3083553	0.2919577	-4.499055
5503000000	1.93731547	2.460914245	-14.8850156	-7.816874303	-8.749462475	-9.822011316	0.18019				

5503000000	1.989675347	-1.151917306	0.08451623	1.331940757	-3.340726381	-3.497725811	1.0097778	1.1657275	0.6807124	0.6685189	4.9219335
5503000000	1.989675347	-1.099557429	-0.292347446	1.425218337	-3.213191448	-4.008505521	0.9669024	1.1783137	0.6907811	0.6303398	4.7768155
5503000000	1.989675347	-1.047197551	-1.38627121	1.62987912	-3.446916134	-4.303853525	0.8524844	1.2064073	0.672441	0.6092665	4.4558877
5503000000	1.989675347	-0.994837674	-2.803247083	2.018616104	-3.59486921	-4.108754601	0.7241652	1.2616265	0.6610838	0.6231065	4.2703704
5503000000	1.989675347	-0.942477796	-3.575226869	2.485782305	-2.943208683	-3.426950047	0.6625805	1.3313404	0.7125897	0.6739885	4.5590168
5503000000	1.989675347	-0.890117919	-3.678479121	2.842577706	-1.776373943	-2.576682084	0.6545708	1.3781674	0.8150445	0.743303	5.1060912
5503000000	1.989675347	-0.837758041	-3.921834422	2.947603794	-0.76837634	-1.850053632	0.636661	1.4040243	0.9153373	0.8081599	5.4928552
5503000000	1.989675347	-0.785398163	-3.832054362	2.76528893	-0.099061603	-1.368033855	0.6432759	1.3748789	0.9886599	0.8542762	5.7136006
5503000000	1.989675347	-0.733038286	-2.337809341	3.289491129	0.402268736	-1.142521436	0.7640285	1.3166628	1.0474021	0.8767463	6.0311026
5503000000	1.989675347	-0.680678408	-0.377830095	2.032598165	0.830520338	-1.127619797	0.9574332	1.263659	1.1009084	0.8782517	6.4449077
5503000000	1.989675347	-0.628318531	0.877685254	1.902122316	1.026393133	-1.206678062	1.1063289	1.2448187	1.125433	0.8702942	6.7429429
5503000000	1.989675347	-0.575958653	1.224945498	2.019733413	0.902649005	-1.172799927	1.1514558	1.2617888	1.1095131	0.8736953	6.8414489
5503000000	1.989675347	-0.523598776	1.000756984	2.235068705	0.811683225	-0.832666758	1.1221162	1.2934613	1.097954	0.9085873	6.8920083
5503000000	1.989675347	-0.471238898	0.808951147	2.398556059	1.08941387	-0.217609976	1.0976087	1.3180376	1.1336841	0.975258	7.0909817
5503000000	1.989675347	-0.41887902	0.954871316	2.446417545	1.484070482	0.43120364	1.116204	1.3253204	1.1863246	1.0508971	7.3819895
5503000000	1.989675347	-0.366519143	1.20319817	2.386261589	1.622752129	0.911055002	1.1485765	1.3161733	1.2054178	1.1105874	7.5693298
5503000000	1.989675347	-0.314159265	1.420242039	2.266832278	1.501651735	1.195040156	1.1776388	1.2982	1.1887283	1.1474982	7.6260303
5503000000	1.989675347	-0.261799388	1.763667511	2.148992665	1.325832001	1.403470336	1.2251334	1.2807066	1.1649079	1.1753671	7.6872743
5503000000	1.989675347	-0.20943951	2.18537734	2.069948476	1.171216045	1.686585607	1.2439074	1.2565231	1.083275	1.2357376	7.8372803
5503000000	1.989675347	-0.157079633	2.310885378	2.018676419	0.991321491	2.079263784	1.304801	1.2616353	1.1208979	1.2704664	7.8851812
5503000000	1.989675347	-0.104719755	1.895760777	1.943494231	0.993362202	2.460936855	1.2439074	1.2565231	1.083275	1.2357376	7.8372803
5503000000	1.989675347	-0.052359878	1.194155642	1.782913801	1.051109725	2.668390575	1.1473813	1.2278511	1.1286401	1.3596262	7.7183762
5503000000	1.989675347	-4.44E-16	0.959000592	1.50744434	1.327627711	2.623027249	1.1167347	1.1895231	1.1651488	1.3525439	7.6474537
5503000000	1.989675347	0.052359878	1.472077739	1.169459325	1.35363341	2.380484242	1.1846877	1.1441237	1.1686425	1.3152982	7.6272698
5503000000	1.989675347	0.104719755	2.057224988	0.926997478	0.963661476	2.190659197	1.2672469	1.1126277	1.1100258	1.2749201	7.540331
5503000000	1.989675347	0.157079633	2.133649134	0.962981988	0.171109958	1.999487179	1.2784462	1.1172467	1.0198951	1.2588511	7.3739902
5503000000	1.989675347	0.20943951	1.58184122	1.31987977	-0.162686845	2.18639806	1.1997536	1.1632005	0.9814443	1.2762389	7.2736618
5503000000	1.989675347	0.261799388	0.637220112	1.820511588	0.297217031	2.364215099	1.0761207	1.2331775	1.0348106	1.3128368	7.3414234
5503000000	1.989675347	0.314159265	-0.108367618	2.259791123	0.86946004	2.570823534	0.9876012	1.2971481	1.1052749	1.3444392	7.4848154
5503000000	1.989675347	0.366519143	-0.120872423	2.46705109	0.833963562	2.639679715	0.9861804	1.3284723	1.100774	1.3551394	7.5507987
5503000000	1.989675347	0.41887902	0.304548899	2.370622391	0.707557372	2.566020626	1.0356844	1.3188056	1.0089691	1.343696	7.4253392
5503000000	1.989675347	0.471238898	0.476751202	1.990212508	-0.909184271	2.384205615	1.0564223	1.2575076	0.9006183	1.3158618	7.1021504
5503000000	1.989675347	0.523598776	0.017653642	1.429441725	-1.449442514	2.114801747	1.0020345	1.1788867	0.8463069	1.2756751	6.6546318
5503000000	1.989675347	0.575958653	-1.054378831	0.858121548	-1.71976515	1.779881666	0.8856886	1.1038399	0.8203737	1.2724225	6.1012737
5503000000	1.989675347	0.628318531	-2.240589243	0.447024493	-2.354715853	1.456125481	0.7726282	1.052813	0.7625428	1.182514	5.5073741
5503000000	1.989675347	0.680678408	-2.697904187	0.243675257	-3.202961613	1.270879641	0.7330014	1.0284514	0.6915951	1.1575613	5.1310096
5503000000	1.989675347	0.733038286	-2.383995073	0.11853026	-3.221432454	1.309090649	0.7599766	1.0137389	0.690126	1.1626648	5.1691712
5503000000	1.989675347	0.785398163	-2.110012264	-0.120815108	-2.367910449	1.534145225	0.784331	0.9861869	0.7613853	1.1931836	5.4021228
5503000000	1.989675347	0.837758041	-2.315931024	-0.589533147	-1.822611742	1.823581178	0.7659553	0.9343796	0.8107172	1.2363133	5.4476607
5503000000	1.989675347	0.890117919	-2.841427017	-1.278525936	-2.216099243	2.056760855	0.720989	0.863125	0.7837816	1.2671792	5.1896671
5503000000	1.989675347	0.942477796	-3.210583268	-2.074005069	-2.853143337	2.164271836	0.6909885	0.7875892	0.7200171	1.2829614	4.8148684
5503000000	1.989675347	0.994837674	-3.167792064	-2.805901137	-2.99233587	2.135783341	0.6944011	0.723944	0.7085707	1.2787604	4.623467
5503000000	1.989675347	1.047197551	-2.91170169	-3.310441189	-2.266913897	2.005732455	0.7151793	0.68309	0.7700241	1.2597565	4.6803248
5503000000	1.989675347	1.099557429	-2.656407778	-3.487600955	-1.539536791	1.820948029	0.7365116	0.6692987	0.8375739	1.2332394	4.8025537
5503000000	1.989675347	1.151917306	-2.355662794	-3.335832174	-1.274007986	1.600788014	0.7625496	0.6810961	0.8635741	1.2023735	4.8843133
5503000000	1.989675347	1.204277184	-1.89956866	-2.949028786	-1.32139374	1.32139374	0.803566	0.7121124	0.8528354	1.1643128	4.9418463
5503000000	1.989675347	1.256637061	-1.428473029	-2.464554062	-1.641267416	0.942066861	0.8483525	0.7529607	0.8278214	1.1145597	4.968525
5503000000	1.989675347	1.308996939	-1.21831294	-1.998062593	-2.04110031	0.446733755	0.8691292	0.7945054	0.7905785	1.0527777	4.8780928
5503000000	1.989675347	1.361356817	-1.336921698	-1.618249347	-2.773069947	-0.138227811	0.8573416	0.830018	0.7266855	0.9842119	4.6045247
5503000000	1.989675347	1.413716694	-1.569611593	-1.357914685	-2.770106309	-0.760251567	0.8346789	0.855272	0.6403976	0.916194	4.2078218
5503000000	1.989675347	1.464607572	-1.651321213	-1.217330325	-5.893895171	-1.369025413	0.8268637	0.8692276	0.5692529	0.8541787	3.8611635
5503000000	1.989675347	1.518346449	-1.568564494	-1.148263455	-4.219340443	-1.921222906	0.8347795	0.8761669	0.5483186	0.8015652	3.6961848
5503000000	1.989675347	1.57096327	-1.559346516	-1.063701326	-5.010277386	-2.359706149	0.8356659	0.8847385	0.5616763	0.7621048	3.6488224
5503000000	1.989675347	1.623156204	-1.840804214	-0.90513719	-4.865762484	-2.67832441	0.809021	0.9010381	0.5710996	0.7398386	3.5798189
5503000000	1.989675347	1.675516082	-2.363996803	-0.706104766	-4.897317552	-2.749422435	0.7617284	0.9219232	0.5690286	0.7286666	3.6476504
5503000000	1.989675347	1.72787596	-2.796142951	-0.574925597	-4.818231878	-2.868063925	0.7247577	0.9359253	0.5742333	0.7187814	3.3868005
5503000000	1.989675347	1.780235837	-2.939324078	-0.629286435	-4.592514045	-3.170353262	0.7129085	0.9301129	0.5893514	0.6941964	3.3065759
5503000000	1.989675347	1.832595715	-3.10661799	-0.943019334	-4.61367081	-3.79733203	0.699309	0.8971169	0.5879176	0.6458526	3.0157305
5503000000	1.989675347	1.884955592	-3.770801614	-1.513256838	-5.15577213	-4.820398334	0.6478283	0.840119	0.5523462	0.5740901	3.2367631
5503000000	1.989675347	1.93731547	-5.117622814	-2.58125954	-5.966420651	-6.242032309	0.5547775	0.7710698	0.5031286	0.4874144	1.275635
5503000000	1.989675347	1.989675347	-6.750132247	-3.077206831	-6.239090048	-7.98677884	0.45972	0.7016809	0.4875796	0.3987136	0.2047015
5503000000	1.989675347	2.042035225	-7.581514842	-3.946002873	-5.583088831	-9.919005833	0.4177575	0.634892	0.5258302	0.3191903	-0.456186
5503000000	1.989675347	2.094395102	-7.060287786	-4.909617093	-4.771369258	-11.90489779	0.4435939	0.5682324	0.5773399	0.253954	-0.709569
5503000000	1.989675347	2.14675498	-5.937888351	-5.927826502	-4.79353299	-13.74902909	0.504784	0.5052691	0.590245	0.2053755	-0.887334
5503000000	1.989675347	2.199114858	-5.108661325	-6.75844519	-5.264144947	-14.91812114	0.5553502	0.4592802	0.5454975	0.1795122	-1.211412
5503000000	1.989675347	2.251474735	-5.208524035	-7.155578924	-6.644824273	-14.66728581	0.5490018	0.438754	0.454858	0.1847718	-1.79079
5503000000	1.989675347	2.303834613	-6.81976673	-7.192007502	-9.22250189	-13.08907246	0.4560492	0.4369177	0.345839	0.2215881	-2.731199
5503000000	1.989675347	2.35614949	-11.136486	-							

5503000000	2.042035225	-1.256637061	-0.597650661	0.969164842	-3.457328379	-1.499298314	0.9335068	1.1180423	0.6716354	0.8414631	5.0197321
5503000000	2.042035225	-1.204277184	-0.103407797	1.203262921	-3.694911757	-1.740275448	0.9881653	1.148585	0.6535133	0.8184388	5.1264216
5503000000	2.042035225	-1.151917306	0.210489949	1.253087304	-3.453198264	-2.145324528	1.0245296	1.1551925	0.6719548	0.7811488	5.1842914
5503000000	2.042035225	-1.099557429	-0.060471662	1.203691035	-3.200696223	-2.646756421	0.9930621	1.1486416	0.6917755	0.7373305	5.0347343
5503000000	2.042035225	-1.047197551	-1.012859937	1.258546066	-3.204627424	-3.112892463	0.8899324	1.1559187	0.6914625	0.698804	4.7007604
5503000000	2.042035225	-0.994837674	-2.13015391	1.576926308	-3.03910737	-3.357725006	0.7825143	1.1990749	0.7047655	0.6793816	4.5210018
5503000000	2.042035225	-0.942477796	-2.533392301	2.091572222	-2.221167282	-3.256099322	0.7470168	1.272268	0.7743577	0.6873771	4.8135295
5503000000	2.042035225	-0.890117919	-2.435277528	2.574157856	-1.105212969	-2.851787918	0.7555029	1.3449554	0.8805203	0.7201295	5.3460354
5503000000	2.042035225	-0.837758041	-2.606078711	2.830635002	-0.22442473	-2.96929156	0.7407916	1.3852615	0.9744931	0.7676328	5.7295314
5503000000	2.042035225	-0.785398163	-2.673414291	2.794193633	0.292340554	-1.748902945	0.735071	1.3794618	1.0342298	0.8176263	5.9473059
5503000000	2.042035225	-0.733038286	-1.609716622	2.536993484	0.611589055	-1.337623744	0.8308338	1.3392131	1.0729499	0.8572723	6.2356474
5503000000	2.042035225	-0.680678408	0.042070744	2.241804862	0.887851447	-1.143889304	1.0048553	1.2944648	1.1076245	0.8766082	6.6154827
5503000000	2.042035225	-0.628318531	1.163350946	2.090349244	0.131572111	-1.149619397	1.1433193	1.2720889	1.1261043	0.8760301	6.883015
5503000000	2.042035225	-0.575958653	1.444471028	2.118588893	0.975789449	-1.181992322	1.1809284	1.2762315	1.1188954	0.8727712	6.9443091
5503000000	2.042035225	-0.523598776	1.149446272	2.225299933	0.974877952	-0.965004814	1.1414905	1.2920074	1.1187779	0.894849	6.9409866
5503000000	2.042035225	-0.471238898	0.861857074	2.304137553	1.250323308	-0.39186901	1.1043147	1.3037877	1.154825	0.955887	7.0798901
5503000000	2.042035225	-0.41887902	0.962312798	2.309817313	1.031572111	-1.169722909	1.1171607	1.3064605	1.1980809	1.0377334	7.3426727
5503000000	2.042035225	-0.366519143	1.261293802	2.24635904	1.635219784	-0.898235389	1.1562845	1.2951437	1.2071493	1.1089495	7.5452632
5503000000	2.042035225	-0.314159265	1.546409025	2.147800847	1.46486384	0.241697761	1.1948694	1.2805308	1.1837042	1.1536787	7.6273261
5503000000	2.042035225	-0.261799388	1.87212301	2.06114976	1.26292496	1.448431945	1.2405268	1.2678197	1.1565016	1.181467	7.6876331
5503000000	2.042035225	-0.20943951	2.199727867	2.015727797	1.10781007	1.694165991	1.2882084	1.2612071	1.1364205	1.2153694	7.7854581
5503000000	2.042035225	-0.157079633	2.246340384	1.995746706	0.959821636	2.060533586	1.2951409	1.2583901	1.1168403	1.2677729	7.8504571
5503000000	2.042035225	-0.104719755	1.817884393	1.9436794	0.891343476	2.444345938	1.2328045	1.2507888	1.1080699	1.3250043	7.812817
5503000000	2.042035225	-0.052359878	1.159282856	1.791511043	1.054867546	2.664949873	1.142784	1.229067	1.1291285	1.3590877	7.7122456
5503000000	2.042035225	-4.44E-16	0.959000795	1.507444323	1.327627474	2.62302722	1.1167348	1.1895221	1.1651488	1.3525439	7.6474537
5503000000	2.042035225	0.052359878	1.466459221	1.152731082	1.363021613	2.369106654	1.1839216	1.1101923	1.1699063	1.3135764	7.6120856
5503000000	2.042035225	0.104719755	2.06282506	0.907685642	0.939138995	-0.978373682	1.2680642	1.1415267	1.1141841	1.2711209	7.5379706
5503000000	2.042035225	0.157079633	2.197556401	0.968985548	0.226791497	1.970416562	1.2878872	1.1180192	1.0265442	1.2564449	7.3973904
5503000000	2.042035225	0.20943951	1.735334918	1.346258503	-0.109878502	2.095246238	1.2211436	1.1676506	0.9874294	1.2728063	7.3266471
5503000000	2.042035225	0.261799388	0.856079515	1.837338395	0.313560111	2.339440045	1.1035804	1.2355688	1.0367595	1.3090975	7.3936034
5503000000	2.042035225	0.314159265	0.06531826	2.210032255	0.857148837	2.530425397	1.0075484	1.2897383	1.1037163	1.3382008	7.4935077
5503000000	2.042035225	0.366519143	-0.076657952	2.324322754	0.847356764	2.579564816	0.9912133	1.3068211	1.1024727	1.3457929	7.5065307
5503000000	2.042035225	0.41887902	0.295344754	2.145221131	0.223416412	2.50366642	1.0345875	1.2801506	1.0260554	1.3340844	7.3748057
5503000000	2.042035225	0.471238898	0.528466343	1.725437829	-0.518752759	2.525492762	1.0627309	1.219753	0.9420249	1.3110663	7.1120472
5503000000	2.042035225	0.523598776	0.202014044	1.187670036	-0.8839993	2.135292739	1.0235303	1.1465249	0.9032397	1.2786881	6.7531441
5503000000	2.042035225	0.575958653	-0.694050332	0.695067358	-1.177393822	1.837184199	0.9232036	1.0833115	0.8732333	1.2355468	6.2674202
5503000000	2.042035225	0.628318531	-1.717356922	0.375829114	-1.951564361	1.496005349	0.8206012	1.0442187	0.7987701	1.1879558	5.6921012
5503000000	2.042035225	0.680678408	-2.154387648	0.215393741	-0.324994925	1.226862388	0.7803342	1.0251082	0.7059115	1.15171	5.2562896
5503000000	2.042035225	0.733038286	-1.958345128	0.04925726	-3.29093695	1.14398917	0.7981467	1.0056871	0.6846231	1.1407736	5.175691
5503000000	2.042035225	0.785398163	-1.804324422	-0.304191065	-2.507262006	1.25637163	0.8124259	0.9655849	0.7492675	1.1556773	5.3033297
5503000000	2.042035225	0.837758041	-2.078043644	-0.921086977	-1.868164051	1.464621335	0.7872231	0.899385	0.8064766	1.1836712	5.2886951
5503000000	2.042035225	0.890117919	-2.599455541	-1.734436172	-1.959879259	1.642843708	0.7413567	0.8189892	0.7980058	1.2082093	5.0243933
5503000000	2.042035225	0.942477796	-2.871345945	-2.558241728	-2.432192319	1.714944331	0.7185098	0.7448827	0.7557713	1.2182803	4.7041113
5503000000	2.042035225	0.994837674	-2.671904423	-3.176389703	-2.464507051	1.670989861	0.7351988	0.6937141	0.7529648	1.2121308	4.5936585
5503000000	2.042035225	1.047197551	-2.284018833	-3.468469058	-1.908742302	1.542560341	0.7687747	0.6707745	0.8027178	1.1943401	4.7019796
5503000000	2.042035225	1.099557429	-1.972709574	-3.449373834	-1.419719348	1.355773341	0.7968279	0.6722508	0.8492079	1.1968904	4.8289796
5503000000	2.042035225	1.151917306	-1.695427786	-3.200353002	-1.59694528	1.09545163	0.8226756	0.6918209	0.8550968	1.1344166	4.8706618
5503000000	2.042035225	1.204277184	-1.314078457	-2.808233477	-1.358941639	0.709903531	0.8595993	0.7237496	0.8327779	1.0851635	4.8639625
5503000000	2.042035225	1.256637061	-0.911492714	-2.347128659	-1.808434586	0.149088672	0.900379	0.7632091	0.8120416	1.0713126	4.8432285
5503000000	2.042035225	1.308996939	-0.7034355	-1.87724807	-1.97272036	-0.597226112	0.9222066	0.8065336	0.7968267	0.9335524	4.7564509
5503000000	2.042035225	1.361356817	-0.742989836	-1.455650968	-2.303245249	-1.486018066	0.9180165	0.8457022	0.7670748	0.8427507	4.5411282
5503000000	2.042035225	1.413716694	-0.884458147	-1.141899126	-2.879610061	-2.435215881	0.9031858	0.7689091	0.7178265	1.0155082	4.2259615
5503000000	2.042035225	1.466076572	-0.97351347	-0.976248903	-3.42665738	-3.338956655	0.8939728	0.8936914	0.6740112	0.6808513	3.9249792
5503000000	2.042035225	1.518436449	-1.016750156	-0.942502692	-3.612807314	-4.0504758	0.8895339	0.8971703	0.65972	0.6273013	3.7327015
5503000000	2.042035225	1.570796327	-1.161784517	-0.957843021	-3.55634162	-4.392894226	0.874804	0.8955871	0.6640227	0.603527	3.6296303
5503000000	2.042035225	1.623156204	-1.522748647	-0.92426828	-3.621175146	-4.315876697	0.8391944	0.890557	0.6590847	0.6048238	3.5384819
5503000000	2.042035225	1.675516082	-2.011082982	-0.816134137	-3.899590797	-4.02385596	0.7933153	0.9103183	0.6382936	0.6292268	3.4739034
5503000000	2.042035225	1.72787596	-2.382880325	-0.716137772	-4.167595855	-3.820489309	0.7600742	0.9020859	0.6188996	0.644133	3.3580551
5503000000	2.042035225	1.780235837	-2.577724763	-0.764749787	-4.316733638	-3.904928659	0.7432138	0.9157196	0.6083637	0.6379014	3.2429165
5503000000	2.042035225	1.832595715	-2.890263794	-1.078527619	-4.647887423	-4.331184153	0.7169466	0.8832296	0.5856061	0.6073525	2.901238
5503000000	2.042035225	1.884955592	-3.687837454	-1.683686219	-5.48291051	-5.051647284	0.6540457	0.8237854	0.53193	0.5590075	2.1739102
5503000000	2.042035225	1.93731547	-5.06470713	-2.484293631	-6.661031053	-5.971651391	0.5581676	0.7512514	0.4644601	0.5028257	1.1255348
5503000000	2.042035225	1.989675347	-6.507402756	-3.31410505	-7.22218596	-7.020060911	0.4727482	0.6828019	0.4354023	0.4456531	0.1575788
5503000000	2.042035225	2.042035225	-6.938893441	-4.098302931	-6.447231897	-8.236048506	0.4498372	0.6328567	0.4760345	0.3874339	-0.277384
5503000000	2.042035225	2.094395102	-6.138591143	-4.946133107	-5.32700552	-9.78755872	0.4932538	0.5658396	0.5415639	0.3240575	-0.333272
5503000000	2.042035225	2.14675498	-5.056956806	-5.983629284	-4.854319152	-11.83764699	0.5586659	0.5021327	0.5718525	0.2559279	-0.497896
5503000000	2.042035225	2.199114858	-4.584199122	-7.075522577	-5.23406492	-14.12569342	0.5899158	0.4428166	0.5473879	0.1966597	-1.027927
5503000000	2.042035225	2.251474735</									

5503000000	2.094395102	-1.361356817	-1.430585784	0.537247235	-2.510777836	-0.435529257	0.8481462	1.0638058	0.7489643	0.9510942	5.1343802
5503000000	2.094395102	-1.308996939	-0.979442494	0.930244357	-2.756647787	-0.401906672	0.8933628	1.1130437	0.7280607	0.954783	5.3181624
5503000000	2.094395102	-1.256637061	-0.532358458	1.246295978	-3.272637262	-0.524657569	0.9405504	1.1524286	0.6860695	0.9413847	5.3956141
5503000000	2.094395102	-1.204277184	0.090922343	1.408548696	-3.445996019	-0.797631139	1.0105228	1.1760545	0.6725122	0.9122596	5.5093348
5503000000	2.094395102	-1.151917306	0.511256342	1.347700342	-3.137362665	-1.207003164	1.0606273	1.1678445	0.6968381	0.8702616	5.5649437
5503000000	2.094395102	-1.099557429	0.340545017	1.105566926	-2.778791097	-1.727672232	1.0399854	1.1357385	0.726207	0.8196272	5.3938694
5503000000	2.094395102	-1.047197551	-0.40552694	0.888732436	-2.619451511	-2.298173199	0.9543851	1.1077369	0.739652	0.7675229	5.0310535
5503000000	2.094395102	-0.994837674	-1.122589175	0.964437448	-2.321363455	-2.809512199	0.8787605	1.1177434	0.7654764	0.723643	4.8242833
5503000000	2.094395102	-0.942477796	-1.152681376	1.385739058	-2.137579488	-3.127418261	0.8757213	1.1729701	0.8379383	0.6976363	5.0674049
5503000000	2.094395102	-0.890117919	-0.920909482	1.921458389	-0.557749483	-3.13471075	0.8994034	1.247593	0.937805	0.6970509	5.5334911
5503000000	2.094395102	-0.837758041	-1.09619106	2.307349602	-0.80803628	-2.795292717	0.8814353	1.3042699	1.0210339	0.7248287	5.8707156
5503000000	2.094395102	-0.785398163	-1.389602965	2.426796233	0.558183352	-2.220104518	0.8521575	1.3223299	1.0663731	0.7744525	6.0537879
5503000000	2.094395102	-0.733038286	-0.818669286	2.326516101	0.726035858	-1.632517438	0.9100527	1.3071511	1.0871808	0.8286557	6.3047931
5503000000	2.094395102	-0.680678408	0.472277384	2.160275656	0.888531613	-1.238431176	1.0558783	1.2823713	1.1077113	0.8671185	6.6751491
5503000000	2.094395102	-0.628318531	1.446549597	2.070539438	1.035220314	-1.117490474	1.1812211	1.269191	1.1265774	0.8792765	6.9588024
5503000000	2.094395102	-0.575958653	1.673366265	2.078795014	1.089036473	-1.155380622	1.2124625	1.2703979	1.1335791	0.8754492	7.0279798
5503000000	2.094395102	-0.523598776	1.336084123	2.115983875	1.182570633	-1.049031552	1.1662837	1.2758488	1.145852	0.886234	6.9937439
5503000000	2.094395102	-0.471238898	0.982763368	2.126174674	1.429074446	-0.558749238	1.1197941	1.2773465	1.1788369	0.937697	7.0700049
5503000000	2.094395102	-0.41887902	1.039708417	2.098209204	1.646593187	0.180755363	1.1271596	1.2732405	1.208731	1.0210283	7.291319
5503000000	2.094395102	-0.366519143	1.363132213	2.04195772	1.627782313	0.842253986	1.1699212	1.2650214	1.2061161	1.1018252	7.50025
5503000000	2.094395102	-0.314159265	1.683401886	1.978350308	1.254383418	-1.153484436	1.2138642	1.2557914	1.176935	1.1535649	7.6077627
5503000000	2.094395102	-0.261799388	1.973409726	1.938423029	1.200636162	1.476473492	1.2550773	1.2500321	1.1482377	1.1852874	7.7638565
5503000000	2.094395102	-0.20943951	2.204075902	1.940598406	1.057816865	1.697017225	1.2888542	1.2503452	1.129512	1.2157684	7.7557664
5503000000	2.094395102	-0.157079633	2.172737603	1.962126618	0.934107182	2.040892577	1.2842125	1.253448	1.1135388	1.2648663	7.8117535
5503000000	2.094395102	-0.104719755	1.734279848	1.939306075	0.891258093	2.047257116	1.2209953	1.2501591	1.108059	1.3224	7.7861814
5503000000	2.094395102	-0.052359878	1.12313661	1.798669574	1.059049431	2.66188945	1.1380382	1.2300803	1.1296723	1.3584995	7.705493
5503000000	2.094395102	-4.44E-16	0.959000768	1.507444502	1.372627631	2.623027135	1.1167348	1.1895213	1.1651488	1.3525439	7.6474537
5503000000	2.094395102	0.052359878	1.45915183	1.136538472	1.372001144	2.358574446	1.182926	1.1397955	1.1711164	1.3119846	7.6147545
5503000000	2.094395102	0.104719755	2.064346793	0.888014383	0.973667172	2.060377856	1.2682864	1.1706453	1.1186221	1.267707	7.5356636
5503000000	2.094395102	0.157079633	2.255745297	0.96959257	0.293311134	1.94396882	1.296544	1.1180974	1.0343453	1.2508306	7.4201196
5503000000	2.094395102	0.20943951	1.884236028	1.362639312	-0.039588182	2.067574969	1.242258	1.1698548	0.9954526	1.2687579	7.3774906
5503000000	2.094395102	0.261799388	1.083680968	1.827792129	0.331636	2.295687353	1.1328804	1.2342116	1.0389193	1.3025199	7.4371089
5503000000	2.094395102	0.314159265	0.280726018	2.130270502	0.81132221	2.453724347	1.0328477	1.277949	1.0979084	1.3264357	7.4680582
5503000000	2.094395102	0.366519143	0.024316186	2.158759696	0.786861104	2.468255956	1.0028034	1.2821475	1.0948208	1.3286567	7.4369197
5503000000	2.094395102	0.41887902	0.314804836	1.917206493	0.260275120	2.379102939	1.036908	1.2469824	1.0304188	1.315089	7.2898909
5503000000	2.094395102	0.471238898	0.57203192	1.487842397	-0.253381735	2.248304159	1.0680746	1.1868398	0.9712497	1.2954338	7.085239
5503000000	2.094395102	0.523598776	0.352311215	0.995484616	-0.403464917	2.066587488	1.0413952	1.1214353	0.9545128	1.2686136	6.8206873
5503000000	2.094395102	0.575958653	-0.379818223	0.57186181	-0.606033732	1.77466879	0.9572141	1.0803037	0.9326062	1.2266861	6.4123963
5503000000	2.094395102	0.628318531	-1.228599337	0.297628849	-1.355652185	1.365394135	0.8681006	1.0348596	0.8554948	1.1702259	5.8643352
5503000000	2.094395102	0.680678408	-1.590235059	0.125687937	-2.48725844	0.8326994	0.8326994	1.0145756	0.7509951	1.1136301	5.3713258
5503000000	2.094395102	0.733038286	-1.437752236	-0.110785633	-3.010649004	0.624643395	0.8474467	0.9873263	0.7070784	1.0745637	5.1449655
5503000000	2.094395102	0.785398163	-1.340798283	-0.57415237	-2.502352962	0.504256065	0.8569591	0.9360356	0.7496912	1.0597729	5.1113805
5503000000	2.094395102	0.837758041	-1.631522354	-1.305237194	-1.949136246	0.520599073	0.8287507	0.8604748	0.7989934	1.0671688	4.9383968
5503000000	2.094395102	0.890117919	-2.131042243	-2.17884152	-1.938539171	0.569319791	0.7824343	0.7781403	0.7999668	1.0677412	4.6809324
5503000000	2.094395102	0.942477796	-2.357657544	-2.94262586	-2.123245414	0.585538808	0.7622846	0.7126378	0.7823259	1.0697368	4.4204173
5503000000	2.094395102	0.994837674	-2.110996421	-3.379764257	-1.879876505	0.563104007	0.7842421	0.6776599	0.8053899	1.0669774	4.4394135
5503000000	2.094395102	1.047197551	-1.708346614	-3.475055379	-1.248156897	0.507580067	0.8214529	0.6702061	0.8661481	1.0601785	4.46549571
5503000000	2.094395102	1.099557429	-1.444686223	-3.350987695	-0.823795894	0.385143855	0.8467704	0.6979987	0.9095157	1.0415393	4.8148128
5503000000	2.094395102	1.151917306	-1.281319867	-3.105430452	-0.859842927	0.123295551	0.8628474	0.6994406	0.905749	1.0142962	4.8167166
5503000000	2.094395102	1.204277184	-1.044691889	-2.772340265	-1.177860613	-0.347447007	0.8866769	0.6727466	0.8731859	0.9607882	4.7292274
5503000000	2.094395102	1.256637061	-0.74736909	-2.361381092	-1.444603048	-1.056355254	0.9175538	0.7619578	0.8467785	0.8854871	4.6390136
5503000000	2.094395102	1.308996939	-0.54869063	-1.897787554	-1.574578551	-1.792669972	0.9387835	0.8037308	0.8342007	0.7962265	4.5395765
5503000000	2.094395102	1.361356817	-0.512003849	-1.443955719	-1.778461858	-3.050447826	0.9427571	0.8468417	0.8148486	0.7038459	4.3714801
5503000000	2.094395102	1.413716694	-0.583286412	-1.086245172	-2.178580315	-4.185643449	0.9350518	0.8824452	0.7781637	0.617615	4.11836
5503000000	2.094395102	1.466076572	-0.705231922	-0.890687889	-2.616973989	-5.250880366	0.9220159	0.9055382	0.739863	0.5463312	3.8366975
5503000000	2.094395102	1.518436449	-0.87977276	-0.860255396	-2.610799455	-5.94781735	0.9036731	0.9025306	0.7185385	0.5402073	3.6143417
5503000000	2.094395102	1.570796327	-1.156674673	-0.922898133	-2.992203801	-5.913361778	0.8753188	0.8991975	0.7085816	0.5062114	3.4908171
5503000000	2.094395102	1.623156204	-1.540263566	-0.970334468	-3.232610797	-5.226536607	0.8375039	0.8943001	0.6892384	0.5478647	3.4313321
5503000000	2.094395102	1.677516082	-1.911488332	-0.942356326	-3.690122921	-4.393962135	0.802464	0.8971854	0.6538737	0.6029786	3.3949627
5503000000	2.094395102	1.72787596	-2.155669764	-0.892512876	-4.192730428	-3.802491563	0.780219	0.9023486	0.6171113	0.645469	3.3615423
5503000000	2.094395102	1.780235837	-2.362812248	-0.967214284	-4.604514218	-3.563163136	0.7618323	0.8946214	0.5885377	0.6635014	3.25276
5503000000	2.094395102	1.832595715	-2.792933654	-1.317842143	-5.157662517	-3.614036959	0.7250256	0.859227	0.552226	0.6596266	2.91047
5503000000	2.094395102	1.884955592	-3.691659194	-2.00709087	-6.190702251	-3.829903493	0.653758	0.79368	0.4903034	0.6434352	2.215747
5503000000	2.094395102	1.93731547	-5.045316782	-2.938775513	-7.634023713	-4.125573744	0.5594151	0.7129535	0.4152396	0.6219011	1.2497945
5503000000	2.094395102	1.989675347	-6.227406736	-3.864669054	-7.686023088	-4.533812188	0.4882358	0.604865	0.3772236	0.593391	0.4226087
5503000000	2.094395102	2.042035225	-6.276835038	-4.590818705	-8.450910399	-5.201724888	0.4854654	0.5894664	0.4144336	0.5494318	0.1668803
5503000000	2.094395102	2.094395102	-5.346887891	-5.234702743	-6.340980584	-6.333756289	0.5403257	0.5473497	0.4818974	0.4822944	0.2223846
5503000000	2.094395102	2.14675498									

5503000000	2.14675498	-1.466076572	-3.4358926	-0.674861259	-3.38263661	-0.489944211	0.673295	0.9252454	0.6774358	0.9451545	4.139567
5503000000	2.14675498	-1.413716694	-1.957454971	0.086753684	-2.537864786	-0.315976284	0.7982285	1.0100379	0.7466323	0.9642756	4.9082158
5503000000	2.14675498	-1.361356817	-1.208913439	0.639169934	-2.106316899	-0.267341104	0.8700703	1.0763623	0.7846648	0.9696901	5.3452829
5503000000	2.14675498	-1.308996939	-0.854485037	1.071140969	-2.291910539	-0.367672707	0.9063079	1.131246	0.7680765	0.9585535	5.4928166
5503000000	2.14675498	-1.256637061	-0.326929145	1.412834807	-2.740826173	-0.600706285	0.9630604	1.1766349	0.7293881	0.9331784	5.5802407
5503000000	2.14675498	-1.204277184	0.435294669	1.599171936	-2.879106907	-0.934976421	1.0513922	1.2021498	0.7178681	0.887948	5.7321785
5503000000	2.14675498	-1.151917306	0.964173388	1.534757376	-2.560766686	-1.359525417	1.1174	1.1932677	0.7446662	0.8551134	5.8239289
5503000000	2.14675498	-1.099557429	0.920025773	1.201254194	-2.175096349	-1.874948279	1.111735	1.1483194	0.7784759	0.805847	5.6759203
5503000000	2.14675498	-1.047197551	0.418708661	0.746592383	-1.972643556	-2.458413833	1.0493864	1.0897569	0.7968339	0.7534931	5.3186806
5503000000	2.14675498	-0.994837774	0.055532918	0.479742748	-1.694090442	-3.044116067	1.0064139	1.0567862	0.8228023	0.7034592	5.082164
5503000000	2.14675498	-0.942477796	0.242538727	0.628877536	-1.351130943	-3.51130943	1.0283168	1.0750877	0.8880752	0.6674743	5.2465391
5503000000	2.14675498	-0.890117919	0.495402948	1.073090838	-0.19570249	-3.683117127	1.0586933	1.1315	0.9777208	0.6544013	5.6259304
5503000000	2.14675498	-0.837758041	0.269951679	1.508484519	0.429648929	-3.415239661	1.0315673	1.1896637	1.0507133	0.6748978	5.9043954
5503000000	2.14675498	-0.785398163	-0.21286659	1.752112617	0.705529724	-2.763671013	0.9757907	1.2235047	1.0846172	0.7274723	6.0452867
5503000000	2.14675498	-0.733038286	-0.051984465	1.813294942	0.768797612	-1.993866369	0.9940329	1.2321533	1.0925464	0.7948894	6.2638877
5503000000	2.14675498	-0.680678408	0.902177602	1.810956018	0.871822667	-1.392355342	1.1094529	1.2318216	1.1055824	0.8518875	6.6462326
5503000000	2.14675498	-0.628318531	1.738758013	1.836399586	1.071026332	-1.112449632	1.221625	1.2354352	1.131231	0.879787	6.9818154
5503000000	2.14675498	-0.575958653	1.928080855	1.877065122	1.254671773	-1.102233114	1.2485445	1.2412328	1.1554033	0.8808224	7.0936969
5503000000	2.14675498	-0.523598776	1.573457428	1.881138005	1.423109014	-1.074616715	1.1985961	1.241815	1.1780276	0.8834343	7.0472841
5503000000	2.14675498	-0.471238898	1.176564564	1.843132487	1.609553569	-0.698666705	1.1450601	1.2363932	1.2035875	0.9229043	7.0589725
5503000000	2.14675498	-0.41887902	1.18501934	1.795744612	1.704250556	-0.244999291	1.1461751	1.2296662	1.2167813	1.0028246	7.2259556
5503000000	2.14675498	-0.366519143	1.501898174	1.762124376	1.596390453	0.750163928	1.188762	1.2249157	1.2017649	1.0902051	7.4317883
5503000000	2.14675498	-0.314159265	1.824230163	1.751339398	1.352307644	1.233494698	1.237055	1.2233958	1.1684641	1.1525897	7.5646049
5503000000	2.14675498	-0.261799388	2.062692607	1.776572139	1.140697432	1.485156555	1.2680449	1.2269549	1.1403413	1.1864729	7.6436093
5503000000	2.14675498	-0.20943951	2.195726507	1.842543091	1.013845533	1.693508195	1.287615	1.2363094	1.1238084	1.1522774	7.7175051
5503000000	2.14675498	-0.15079633	2.089394498	1.917222102	0.914829728	2.020245315	1.2719491	1.2469846	1.1110702	1.2618632	7.768893
5503000000	2.14675498	-0.104719755	1.645405058	1.930348488	0.89318202	-1.993866099	1.2085657	1.2488705	1.1083045	1.3197702	7.7575998
5503000000	2.14675498	-0.052359878	1.086060806	1.804407575	1.063614809	2.657207853	1.1331908	1.2308932	1.1302662	1.3578769	7.6982225
5503000000	2.14675498	-4.44E-16	0.95900087	1.507444519	1.071026332	1.262302711	1.1167348	1.1895231	1.1651488	1.3525439	7.6474537
5503000000	2.14675498	0.052359878	1.450199453	1.120910822	1.380467007	2.348944204	1.1817074	1.1377466	1.1722584	1.3105307	7.608283
5503000000	2.14675498	0.104719755	2.061301391	0.867566612	1.009713949	2.039676606	1.2678418	1.1050408	1.123274	1.2646893	7.5330826
5503000000	2.14675498	0.15079633	2.306520152	0.96316726	0.669261025	1.920410951	1.3041454	1.1172706	1.0434294	1.2474425	7.4440363
5503000000	2.14675498	0.20943951	2.025037046	1.360861184	0.478189165	2.036720916	1.2625595	1.1696153	1.0055206	1.264259	7.4249684
5503000000	2.14675498	0.261799388	1.313154106	1.790638431	0.357315987	2.235709908	1.1632089	1.2289435	1.0419954	1.2935568	7.4724067
5503000000	2.14675498	0.314159265	0.528682902	2.021519854	0.743655038	2.345210101	1.0627574	1.2620483	1.0893884	1.3099675	7.465895
5503000000	2.14675498	0.366519143	0.182238374	1.974008784	0.653636278	2.310793969	1.0212026	1.2551639	1.0793985	1.3047872	7.3481477
5503000000	2.14675498	0.41887902	0.372666529	1.690824088	0.189657521	2.195806554	1.0438385	1.2149019	1.0220753	1.287521	7.1745622
5503000000	2.14675498	0.471238898	0.61618494	1.274265212	-0.132055208	2.068829144	1.0735178	1.1580127	1.0949119	1.2689411	7.0153917
5503000000	2.14675498	0.523598776	0.469731912	0.830171237	-0.069798883	1.901483149	1.055689	1.1002935	0.9919963	1.2447721	6.8338054
5503000000	2.14675498	0.575958653	-0.124888033	0.444857321	-0.125872742	1.591726134	0.9857246	1.0525503	0.9856129	1.2011197	6.4959499
5503000000	2.14675498	0.628318531	-0.814657506	0.168302778	-0.750325919	1.091532247	0.9104731	1.0195655	0.9172415	1.1339048	5.9967473
5503000000	2.14675498	0.680678408	-1.08431179	-0.043142242	-1.78097898	0.474262846	0.8826416	0.9950454	0.8146125	1.0561197	5.4563631
5503000000	2.14675498	0.733038286	-0.925781408	-0.338874008	-2.405535644	-0.103342903	0.8989891	0.9617309	0.7580943	0.9881727	5.1220893
5503000000	2.14675498	0.785398163	-0.826578596	-0.865005036	-2.201246188	-0.512262399	0.9092244	0.9052108	0.7761358	0.942729	4.9430104
5503000000	2.14675498	0.837758041	-1.075221271	-1.635715595	-1.883621278	-0.727164756	0.8835659	0.8283507	0.8050435	0.9196906	4.7021079
5503000000	2.14675498	0.890117919	-1.514745551	-2.479842346	-1.933303742	-0.780404688	0.839968	0.7516365	0.8004511	0.9140707	4.3657888
5503000000	2.14675498	0.942477796	-1.718550686	-3.120845131	-1.974296964	-0.686652006	0.8204884	0.6981645	0.7966823	0.9239903	4.1884918
5503000000	2.14675498	0.994837674	-1.510771136	-3.412471436	-1.463868868	-0.464480016	0.8403524	0.6751129	0.8449024	0.9479294	4.3714904
5503000000	2.14675498	1.047197551	-1.195755546	-3.453971805	-0.67397891	-0.204519416	0.8713893	0.671895	0.9253394	0.9767289	4.7240735
5503000000	2.14675498	1.099557429	-1.06730041	-3.400137759	-0.188321252	-0.050377658	0.884372	0.6760723	0.9773698	0.9939078	4.9391301
5503000000	2.14675498	1.151917306	-1.086713826	-3.296817708	-0.272392919	-0.127212007	0.8823976	0.6841623	0.9741601	0.9854609	4.9254918
5503000000	2.14675498	1.204277184	-1.043400714	-3.104626021	-0.564806354	-0.463338561	0.8868087	0.6994694	0.9370433	0.948054	4.7894318
5503000000	2.14675498	1.256637061	-0.87165473	-2.78217603	-0.888978214	-1.023938957	0.9045181	0.7259241	0.9027159	0.888798	4.6468886
5503000000	2.14675498	1.308996939	-0.679550174	-2.344025666	-1.103930546	-1.740317056	0.9247461	0.7634818	0.8806503	0.8184349	4.5765069
5503000000	2.14675498	1.361356817	-0.572037679	-1.873382014	-1.399447841	-2.569655179	0.9362635	0.8059923	0.8511921	0.7439046	4.447442
5503000000	2.14675498	1.413716694	-0.607882677	-1.4815864	-1.919748788	-3.513992016	0.9324077	0.8431807	0.8017012	0.6672682	4.2025106
5503000000	2.14675498	1.466076572	-0.803100626	-1.247959065	-2.566970799	-4.526507501	0.9116853	0.8661678	0.7441345	0.5938471	3.8508885
5503000000	2.14675498	1.518436449	-1.120639057	-1.182640319	-5.32987718	-0.52987718	0.8789578	0.8727061	0.6978067	0.5413849	3.4953087
5503000000	2.14675498	1.570796327	-1.493379435	-1.222672013	-3.548623786	-5.47671791	0.8420367	0.8686932	0.664613	0.5323097	3.2502053
5503000000	2.14675498	1.623156204	-1.815291685	-1.265525966	-4.015186889	-4.932145532	0.8114008	0.8644718	0.6298551	0.5667516	3.1443748
5503000000	2.14675498	1.675516082	-1.988514541	-1.241178776	-4.622498166	-4.177255689	0.7953793	0.8668442	0.5873204	0.6182117	3.1302428
5503000000	2.14675498	1.72787596	-2.088733841	-1.183976555	-5.175103337	-3.60246852	0.7862548	0.8725718	0.5511182	0.6065057	3.1384013
5503000000	2.14675498	1.780235837	-2.328513851	-1.237258933	-5.571074778	-3.298351931	0.7648465	0.8672356	0.5324039	0.6804014	3.0718083
5503000000	2.14675498	1.832595715	-2.887207057	-1.576656085	-5.731028493	-3.176028493	0.717199	0.8340022	0.5169468	0.6937429	2.8035305
5503000000	2.14675498	1.884955592	-3.868046325	-2.306324442	-6.269737646	-3.115867915	0.6406159	0.766803	0.4858622	0.6985646	2.2515828
5503000000	2.14675498	1.93731547	-5.129845561	-3.364536592	-7.050643494	-3.091939618	0.5539974	0.768849	0.4440868	0.7004917	1.5015361
5503000000	2.14675498	1.989675347	-5.950001438	-4.463386969	-7.458168256	-3.209540598	0.5040805	0.5981783	0.4237323	0.6910715	0.8949593
5503000000	2.14675498	2.042035225	-5.625482421	-5.243600473	-6.942379037	-3.56					

5503000000	2.199114858	-1.570796327	-4.253640416	-3.962273857	-2.81456498	-1.698258819	0.6127989	0.6337038	0.7232222	0.8224075	2.8981202
5503000000	2.199114858	-1.518436449	-4.059924653	-2.674691991	-3.130780481	-1.492493432	0.6266193	0.7349629	0.6973663	0.8421226	3.2305676
5503000000	2.199114858	-1.466076572	-2.734416318	-1.4712299	-2.693704411	-1.356970411	0.7299266	0.8441867	0.7335359	0.855365	3.9809285
5503000000	2.199114858	-1.413716694	-1.58696388	-0.523736977	-1.927935979	-1.293368221	0.8303131	0.9414804	0.8009459	0.8616514	4.7032303
5503000000	2.199114858	-1.361356817	-1.04075022	0.183126059	-1.5096076	-1.355014742	0.8870794	1.021307	0.840465	0.8555576	5.1160813
5503000000	2.199114858	-1.308996939	-0.702904847	0.74971429	-1.66017582	-1.570588892	0.9222629	1.0901486	0.8260212	0.834585	5.2798607
5503000000	2.199114858	-1.256637061	-0.045288445	1.229926448	-2.073719512	-1.900996244	0.9947995	1.1521163	0.7876151	0.803434	5.4321004
5503000000	2.199114858	-1.204277184	0.846038272	1.564587046	-2.22366435	-2.283400075	1.1023053	1.1973727	0.7741351	0.7688294	5.672
5503000000	2.199114858	-1.151917306	1.461008055	1.636854542	-1.954451433	-2.69323502	1.1831789	1.2073765	0.7985046	0.733955	5.8505606
5503000000	2.199114858	-1.099557429	1.531118148	1.382247959	-1.611042492	-3.138426169	1.1927678	1.1724988	0.830707	0.6967528	5.7844776
5503000000	2.199114858	-1.047197551	1.237841987	0.87906943	-1.44743914	-3.614657183	1.1531667	1.1065502	0.8465021	0.695795	5.496438
5503000000	2.199114858	-0.994837674	1.111177979	0.385790058	-1.255585242	-4.07325342	1.1364727	1.0454169	0.8654077	0.6256585	5.2797138
5503000000	2.199114858	-0.942477796	1.391001945	0.209081201	-0.724470308	-4.394316689	1.1736811	1.0243634	0.919976	0.602954	5.3925338
5503000000	2.199114858	-0.890117919	1.620274908	0.40020473	0.002791026	-4.40244773	1.2050741	1.0471532	1.0003214	0.6023898	5.6997492
5503000000	2.199114858	-0.837758041	1.354496642	0.72809651	0.559376228	-3.980627445	1.1687586	1.0874279	1.0665195	0.6323662	5.9224885
5503000000	2.199114858	-0.785398163	0.763755744	0.986301127	0.777669606	-3.192709586	1.0919124	1.1202503	1.0936629	0.6924119	6.0167177
5503000000	2.199114858	-0.733038286	0.650422224	1.151415597	0.785825748	-2.274331679	1.0775756	1.1417494	1.0946903	0.7696325	6.2007529
5503000000	2.199114858	-0.680678408	1.335138918	1.299286597	0.88122241	-1.50553434	1.1661568	1.1613572	1.1067795	0.8408592	6.5984247
5503000000	2.199114858	-0.628318531	2.053195496	1.452905621	1.64912235	-1.076148838	1.2666592	1.1802537	1.1435249	0.8834715	6.9966801
5503000000	2.199114858	-0.575958653	2.217914416	1.547475476	1.468737664	-0.99444696	1.2909039	1.1950161	1.1842322	0.8918209	7.1264649
5503000000	2.199114858	-0.523598756	1.860985423	1.535895436	1.674981931	-1.02443328	1.2389371	1.193424	1.212688	0.887668	7.1086779
5503000000	2.199114858	-0.471238898	1.432405345	1.460323347	1.77283641	-0.776755428	1.19792891	1.1830856	1.2264273	0.9144548	7.0499343
5503000000	2.199114858	-0.41887902	1.384038719	1.40301226	1.733039665	-0.123526804	1.1727405	1.1753051	1.2208589	0.958791	7.1487551
5503000000	2.199114858	-0.366519143	1.6655371	1.405550747	1.539699834	0.634650948	1.2113701	1.1756427	1.1939468	0.9758025	7.3140812
5503000000	2.199114858	-0.314159265	1.961254306	1.464951972	1.649344135	1.183435405	1.2533222	1.1837162	1.1587019	1.1459661	7.4980932
5503000000	2.199114858	-0.261799388	2.135755565	1.574127596	1.086071594	1.474285667	1.2787563	1.1968886	1.1331922	1.1849889	7.5963602
5503000000	2.199114858	-0.20943951	2.172470446	1.720811587	0.980371656	1.682680915	1.284173	1.2191035	1.1194858	1.2137634	7.67007
5503000000	2.199114858	-0.15079633	1.995912635	1.860895967	0.902376766	1.998547858	1.2583331	1.2389424	1.1094784	1.258715	7.7128619
5503000000	2.199114858	-0.104719755	1.551872926	1.916892807	0.879092302	1.932759868	1.1956213	1.2469374	1.1088036	1.3171584	7.7273403
5503000000	2.199114858	-0.052359878	1.04842597	1.808757619	1.068517203	2.653100454	1.1282915	1.231509	1.1309043	1.3572349	7.6905457
5503000000	2.199114858	-4.44E-16	0.959000564	1.50744439	1.327623706	2.623027066	1.1167347	1.1895213	1.1651487	1.3525438	7.6474536
5503000000	2.199114858	0.052359878	1.43966248	1.105881493	1.388310906	2.340262062	1.1802748	1.1357796	1.1733175	1.3092214	7.601679
5503000000	2.199114858	0.104719755	2.053266106	0.846009344	1.046641676	2.021697099	1.2666695	1.1023017	1.1280597	1.2620741	7.5299057
5503000000	2.199114858	0.15079633	2.348312655	0.848565792	0.452754547	1.900179442	1.3104354	1.115394	1.0535077	1.2454043	7.4653726
5503000000	2.199114858	0.20943951	2.154367456	1.339890981	0.151119398	2.004823099	1.2814993	1.166795	1.0175505	1.2596247	7.4682992
5503000000	2.199114858	0.261799388	1.5373138	1.726491197	0.397131256	2.164925327	1.1936189	1.219901	1.0467828	1.2830579	7.501123
5503000000	2.199114858	0.314159265	0.796899325	1.88689425	0.677149234	2.214429981	1.0906868	1.2426382	1.0803326	1.2903915	7.4388023
5503000000	2.199114858	0.366519143	0.390277232	1.775652006	0.949855311	2.121152956	1.0459571	1.226825	1.0592361	1.2766083	7.2508301
5503000000	2.199114858	0.41887902	0.475525372	1.471550041	0.028273041	1.969821592	1.0562732	1.1846158	1.0032604	1.254559	7.0411569
5503000000	2.199114858	0.471238898	0.673283886	1.083383243	-0.154735383	1.8085068	1.080598	1.1328415	0.9823432	1.2354643	6.9099194
5503000000	2.199114858	0.523598776	0.564904166	0.679571207	0.089428128	1.671026868	1.0671985	1.0853206	1.010349	1.212136	6.7911435
5503000000	2.199114858	0.575958653	0.073779477	0.301553298	1.8210216	1.340307078	1.0085304	1.0383373	1.0211865	1.1668059	6.5100979
5503000000	2.199114858	0.628318531	-0.489433961	-0.003424022	-0.286345993	0.770913436	0.94521	0.9996059	0.9675707	1.0928125	6.3018823
5503000000	2.199114858	0.680678408	-0.680037983	-0.244113646	-1.12839441	0.020470192	0.9246941	0.9722866	0.8781734	1.002848	5.5246441
5503000000	2.199114858	0.733038286	-0.496483991	-0.543526644	-1.658390551	-0.727894152	0.9444431	0.9939318	0.826191	0.9196134	5.17655
5503000000	2.199114858	0.785398163	-0.357566482	-1.041689876	-1.306816983	-0.98613235	0.9596695	0.8869834	0.8337862	0.8603183	4.9613235
5503000000	2.199114858	0.837758041	-0.518839154	-1.742510213	-1.461471317	-1.603239109	0.9420155	0.8182283	0.8451357	0.8314537	4.7025869
5503000000	2.199114858	0.890117919	-0.8557273	-2.462553203	-1.646429732	-1.564720296	0.9061783	0.7531341	0.8273295	0.835149	4.406846
5503000000	2.199114858	0.942477796	-1.020448581	-2.967100534	-1.6905276	-1.189477503	0.8891552	0.7106323	0.8231398	0.8720194	4.3363681
5503000000	2.199114858	0.994837674	-0.880572538	-3.218543096	-1.086571606	-0.997783086	0.9035899	0.6903556	0.882412	0.9334925	4.6341057
5503000000	2.199114858	1.047197551	-0.706427137	-3.379541728	-0.222715605	-0.014828356	0.921889	0.6776773	0.9746849	0.9982943	4.5803953
5503000000	2.199114858	1.099557429	-0.75675956	-3.569695278	0.285387862	0.361753791	0.9165624	0.6630266	1.0334022	1.0425279	4.2383242
5503000000	2.199114858	1.151917306	-0.977379294	-3.750466935	0.25275189	0.444127244	0.8935751	0.6493467	1.0321931	1.0524618	4.1517322
5503000000	2.199114858	1.204277184	-1.120261229	-3.797399927	-0.049637346	0.244102158	0.8789961	0.6458475	0.9943016	1.0285019	4.9782084
5503000000	2.199114858	1.256637061	-1.049059792	-3.622649927	-0.386063982	-0.180769776	0.8862311	0.6589728	0.956526	0.9794032	4.8138129
5503000000	2.199114858	1.308996939	-0.845202109	-3.249068889	-0.665901362	-0.791860259	0.907277	0.6879337	0.9262004	0.9128659	4.6961063
5503000000	2.199114858	1.361356817	-0.690933421	-2.79445292	-1.096087811	-1.612558652	0.9235349	0.7248898	0.8814458	0.830562	4.5073629
5503000000	2.199114858	1.413716694	-0.752471699	-2.391770407	-1.849786424	-2.709922566	0.9170149	0.7592966	0.8081848	0.7319878	4.1270287
5503000000	2.199114858	1.466076572	-1.068734793	-2.121393906	-2.877745025	-4.093536168	0.884226	0.7832547	0.7179807	0.6241992	3.5497504
5503000000	2.199114858	1.518436449	-1.517206671	-1.993309086	-3.961480166	-5.532526884	0.83973	0.7949404	0.6337617	0.5289901	2.9142809
5503000000	2.199114858	1.570796327	-1.89825776	-1.950871968	-4.947502502	-6.463807334	0.8036873	0.7988337	0.5657504	0.4751269	2.4262525
5503000000	2.199114858	1.623156204	-2.049563659	-1.907578001	-5.248390989	-6.52613888	0.7898085	0.8028254	0.5055429	0.4717295	2.1777461
5503000000	2.199114858	1.675516082	-2.01133043	-1.800475452	-6.932780591	-6.092094642	0.7932927	0.812786	0.4501539	0.4959013	2.1714693
5503000000	2.199114858	1.72787596	-2.061648245	-1.654119199	-5.630646345	-5.7887104	0.7887104	0.8265974	0.4211836	0.522959	2.1423348
5503000000	2.199114858	1.780235837	-2.43580062	-1.60251097	-7.224410254	-5.240294613	0.7554574	0.8315234	0.4352908	0.5469974	2.1755914
5503000000	2.199114858	1.832595715	-3.172894912	-1.830927685	-6.554190929	-4.812656747	0.6939933	0.8099414	0.4702129	0.574602	2.1059494
5503000000	2.199114858	1.884955592	-4.206394592	-2.473972056	-6.093774647	-4.303806565	0.6161412	0.7521447	0.4958054	0.6092698	1.8451509
5503000000	2.199114858	1.93731547	-5.242394121	-3.52118596</							

5503000000	2.251474735	-1.675516082	-2.480524032	-4.50372198	-1.741762585	-3.643981171	0.7515775	0.595407	0.8182987	0.6573565	2.992509
5503000000	2.251474735	-1.623156204	-3.040498505	-3.981745438	-1.630554114	-3.228636787	0.7046526	0.6322848	0.828843	0.6895538	3.0925392
5503000000	2.251474735	-1.570796327	-3.714488094	-3.411331531	-2.106713634	-0.054640988	0.652042	0.67522015	0.7846289	0.7035062	2.9701366
5503000000	2.251474735	-1.518436449	-3.365939351	-2.598152991	-2.410004466	-2.996345946	0.6787351	0.7414679	0.7577043	0.7082437	3.1857812
5503000000	2.251474735	-1.466076572	-2.224323035	-1.667452833	-2.043746033	-2.962506951	0.7740764	0.8253295	0.7903377	0.7110083	3.8087404
5503000000	2.251474735	-1.413716694	-1.314005296	-0.827261178	-1.344507639	-2.976333536	0.8596066	0.9091529	0.8565932	0.7098774	4.441916
5503000000	2.251474735	-1.361356817	-0.874016715	-0.14166704	-0.940194963	-3.127789472	0.9042722	0.9838223	0.8974087	0.6976065	4.8187426
5503000000	2.251474735	-1.308996939	-0.47833138	0.453080179	-1.064722691	-3.454673897	0.946419	1.0535472	0.8846345	0.6718407	4.9997131
5503000000	2.251474735	-1.256637061	0.296730913	1.007184762	-1.457788165	-3.890319876	1.0347526	1.1229469	0.8454941	0.6389572	5.2066018
5503000000	2.251474735	-1.204277184	1.245969949	1.456382463	-1.639391947	-4.325329024	1.1542463	1.1825489	0.8280001	0.607762	5.5121172
5503000000	2.251474735	-1.151917306	1.887564766	1.664719341	-1.444625127	-4.695444138	1.2427342	1.2112561	0.8467764	0.5824086	5.7631399
5503000000	2.251474735	-1.09557429	2.029692675	1.539731986	-1.173887417	-4.990230881	1.2632364	1.1939513	0.8735859	0.5629742	5.7867565
5503000000	2.251474735	-1.047197551	1.885506261	1.117495564	-1.076153204	-5.207115295	1.2424397	1.1372993	0.8834711	0.5490909	5.6031437
5503000000	2.251474735	-0.994837674	1.906819052	0.592882759	-0.97270329	-5.301986057	1.245492	1.0706417	0.8940562	0.5431261	5.4677028
5503000000	2.251474735	-0.942477796	2.225932444	0.25144961	-0.541503427	-5.174951205	1.2921015	1.0274418	0.9395607	0.551128	5.5984284
5503000000	2.251474735	-0.890117919	2.43363381	0.162416301	0.120781544	-4.758568281	1.3233712	1.0188748	1.0140026	0.5781913	5.8770856
5503000000	2.251474735	-0.837758041	2.160396925	0.258443864	0.645556333	-4.087842995	1.2823892	1.0302015	1.077154	0.6246084	6.0517117
5503000000	2.251474735	-0.785398163	1.542573161	0.385454941	0.893735149	-3.235494894	1.1943419	1.0454365	1.1015057	0.6890096	6.0860047
5503000000	2.251474735	-0.733038286	1.28227149	0.542534975	0.831070168	-2.303035303	1.1590804	1.0643756	1.1004074	0.7670934	6.2160637
5503000000	2.251474735	-0.680678408	1.772266515	0.77699576	0.953128423	-1.4754165	1.2263469	1.0935781	1.115598	0.8437804	6.6076368
5503000000	2.251474735	-0.628318531	2.389680157	1.029971684	1.323977411	-0.952947344	1.3166914	1.1258968	1.1646592	0.6909921	7.0500939
5503000000	2.251474735	-0.575958653	2.53439848	1.166681769	1.71183619	-0.80918995	1.338813	1.1437579	1.2178444	0.9110464	7.2561722
5503000000	2.251474735	-0.523598776	2.1796485	1.1324028675	1.912868745	-0.880016702	1.2852346	1.1392529	1.2463598	0.9036477	7.1862634
5503000000	2.251474735	-0.471238898	1.723882785	1.01178692	1.901881257	-0.775756914	1.2195346	1.1235421	1.2447842	0.9145599	7.0483217
5503000000	2.251474735	-0.41887902	1.612904372	0.940290996	1.727750548	-0.29050439	1.2040519	1.1143319	1.2200778	0.9728536	7.0654635
5503000000	2.251474735	-0.366519143	1.838672546	0.982722541	1.460225896	-0.511386758	1.2357586	1.1978888	1.1830723	1.0606434	7.2331651
5503000000	2.251474735	-0.314159265	2.086838439	1.123943357	1.202154569	-1.111415704	1.2715748	1.1381439	1.1484385	1.1365035	7.4114843
5503000000	2.251474735	-0.261799388	2.189133384	1.33291505	1.400716457	-1.445540015	1.2866389	1.1658583	1.1272904	1.1810737	7.5331106
5503000000	2.251474735	-0.20943951	2.132710292	1.57611153	0.958669699	-0.687479807	1.278308	1.1989624	1.1166957	1.2111948	7.6135588
5503000000	2.251474735	-0.157079633	1.892252486	1.793519952	0.896825364	-1.97584375	1.243405	1.2293512	1.1087695	1.2554291	7.6708408
5503000000	2.251474735	-0.104719755	1.454469441	1.899140942	1.0375914824	-2.375914824	1.1822885	1.2443915	1.1095411	1.3146064	7.6957168
5503000000	2.251474735	-0.052359878	1.01062766	1.811764289	1.073702535	-2.648961933	1.1233921	1.2310362	1.1315796	1.3565884	7.6825797
5503000000	2.251474735	-4.44E-16	0.959000554	1.507444124	1.327627517	-2.623027372	1.1167347	1.1895231	1.1651488	1.3525439	7.6474536
5503000000	2.251474735	0.052359878	1.427623623	1.091488298	1.395423466	-2.332563964	1.17864	1.1388991	1.1742787	1.3080616	7.5949539
5503000000	2.251474735	0.104719755	2.038986264	0.823115343	1.083734468	-2.00646819	1.2647215	1.0994001	1.1328873	1.2598633	7.5258298
5503000000	2.251474735	0.157079633	2.379721826	0.925168109	0.5415083	-1.883817797	1.3151827	1.1123934	1.0643278	1.2421982	7.4841525
5503000000	2.251474735	0.20943951	2.269128113	1.299887865	0.268022239	-1.974757952	1.2985432	1.1614336	1.0313382	1.2552722	7.5070294
5503000000	2.251474735	0.261799388	1.749273167	1.637729096	0.456670708	-2.090712657	1.2231048	1.2074981	1.0539828	1.2721421	7.5255661
5503000000	2.251474735	0.314159265	1.017915812	1.731688524	0.613716657	-2.074791216	1.1313518	1.2206311	1.0732128	1.2698124	7.412127
5503000000	2.251474735	0.366519143	0.635919905	1.571622685	0.32851881	-1.920297123	1.0759597	1.198343	1.0385465	1.2474262	7.1592214
5503000000	2.251474735	0.41887902	0.62475558	1.2673033	-0.18810711	-1.733437689	1.0745776	1.1570847	0.9785768	1.2208769	6.9096625
5503000000	2.251474735	0.471238898	0.756726545	0.919002049	-0.297277084	-1.591867637	1.0910291	1.111604	0.9663538	1.2011393	6.7892796
5503000000	2.251474735	0.523598776	0.656674528	0.546428772	0.074900246	-1.427228275	1.0785337	1.0649309	1.0086605	1.1785864	6.7105852
5503000000	2.251474735	0.575958653	0.235956785	0.157872644	0.284591397	-1.088924308	1.0275379	1.0183419	1.0333075	1.1335644	6.4707174
5503000000	2.251474735	0.628318531	-0.23809815	-0.173459124	-0.04582798	-0.498825958	0.9729602	0.9802279	0.9947378	1.0591106	6.3058659
5503000000	2.251474735	0.680678408	-0.378463139	-0.399468983	-0.679542311	-0.270285848	0.9573634	0.955051	0.9247469	0.9963614	5.5899685
5503000000	2.251474735	0.733038286	-0.175889768	-0.619829324	-0.986446207	-1.021780449	0.9799536	0.9311262	0.8926409	0.8890189	5.3263736
5503000000	2.251474735	0.785398163	0.01295547	-0.988696483	-0.813662362	-1.544950811	1.0014927	0.8924115	0.9105774	0.837052	5.2050867
5503000000	2.251474735	0.837758041	-0.044000964	-1.525937602	-0.709954882	-1.718424934	0.994947	0.8388863	0.9215147	0.8205003	5.0469819
5503000000	2.251474735	0.890117919	-0.257950005	-2.075334336	-0.926771838	-1.515757819	0.970739	0.7874687	0.8987966	0.8938701	4.8530007
5503000000	2.251474735	0.942477796	-0.363820177	-2.476100655	-1.009071401	-1.001428873	0.9589787	0.7519604	0.8903206	0.8911043	4.8417904
5503000000	2.251474735	0.994837674	-0.284033157	-2.769194283	-0.473509764	-0.351523319	0.9678284	0.7270098	0.9469445	0.9603374	5.1105637
5503000000	2.251474735	1.047197551	-0.253335515	-3.123906391	0.37363592	-0.214687283	0.9712549	0.6979185	1.0372135	1.0250248	5.1468634
5503000000	2.251474735	1.099557429	-0.470931428	-3.608299515	0.80304568	-0.543417797	0.9472256	0.6060224	1.0939947	1.0645618	5.496648
5503000000	2.251474735	1.151917306	-0.842372363	-4.107160854	0.765492613	-0.582921833	0.9075726	0.6232028	1.0923107	1.0694146	5.3254308
5503000000	2.251474735	1.204277184	-1.080923734	-4.414546848	0.848732525	-0.352243593	0.882986	0.6015513	1.0572709	1.0413871	5.0648094
5503000000	2.251474735	1.256637061	-0.1019417576	-4.404958994	0.219644104	-0.115918417	0.8892607	0.6022157	1.0256099	0.9867431	4.8702591
5503000000	2.251474735	1.308996939	-0.773681472	-4.129748255	-0.010896088	-0.270859509	0.9147785	0.6216023	0.9987463	0.9091713	4.7214153
5503000000	2.251474735	1.361356817	-0.618830717	-3.745853757	-0.452246325	-1.843031913	0.9312332	0.6496917	0.9492655	0.8088135	4.4517386
5503000000	2.251474735	1.413716694	-0.769899917	-3.387992705	-1.291599599	-3.252982191	0.9151768	0.60770182	0.8618268	0.6876238	3.9225441
5503000000	2.251474735	1.466076572	-1.213789688	-3.116081541	-2.505154645	-5.100180643	0.8695819	0.6985475	0.7494933	0.5558927	3.1475738
5503000000	2.251474735	1.518436449	-1.700274896	-2.927921262	-3.914550885	-7.251606268	0.8222166	0.713845	0.6371951	0.43393	3.2028431
5503000000	2.251474735	1.570796327	-1.937939385	-2.782279511	-5.40269137	-9.25742491	0.800024	0.7259154	0.5368654	0.344452	1.6098489
5503000000	2.251474735	1.623156204	-1.866145257	-2.621613755	-7.153034149	-10.57013088	0.8066641	0.7394679	0.4388825	0.2961375	1.1424848
5503000000	2.251474735	1.675516082	-1.750020764	-2.403050353	-9.403513767	-11.08787087	0.8175211	0.7583112	0.3387071	0.2790014	0.8023147
5503000000	2.251474735	1.72787596	-1.950527032	-2.142774899	-11.21237709	-10.84040169	0.7988655	0.7813781	0.2750307	0.2870648	0.5971643
5503000000	2.251474735	1.780235837	-2.60614696	-1.953651098	-10.40965813	-9.725062611	0.7407858	0.7985782	0.3016596	0.3263975	0.698266
5503000000	2.251474735										

5503000000	2.303834613	-1.780235837	-4.167111046	-6.2795702	-4.020484198	-5.545482446	0.6189342	0.4853125	0.6294711	0.5281118	1.0685976
5503000000	2.303834613	-1.72787596	-2.906284772	-4.328373287	-2.56019476	-4.559235614	0.7156254	0.607549	0.7447153	0.5916137	2.4754112
5503000000	2.303834613	-1.675516082	-2.720198271	-2.981836453	-1.451154671	-3.857391449	0.7311224	0.7094278	0.8461401	0.6414022	3.3110956
5503000000	2.303834613	-1.623156204	-3.21768856	-2.137832527	-1.253727068	-3.502904712	0.6904235	0.7818229	0.8655928	0.6681204	3.539063
5503000000	2.303834613	-1.570796327	-3.556102659	-1.543274241	-1.648801534	-3.37932538	0.664041	0.8372136	0.8271036	0.6776941	3.5393309
5503000000	2.303834613	-1.518436449	-2.95396163	-0.995856739	-1.930974465	-3.346893733	0.7117081	0.8916762	0.8006637	0.6802293	3.7624683
5503000000	2.303834613	-1.466076572	-1.880438326	-0.449415805	-1.609664131	-3.356578394	0.8053378	0.9495749	0.8308388	0.6794712	4.2565615
5503000000	2.303834613	-1.413716694	-1.090895163	0.03610627	-0.953941128	-3.464196334	0.8819729	1.0041655	0.8959903	0.6711046	4.7439184
5503000000	2.303834613	-1.361356817	-0.653795227	0.429673921	-0.549451171	-3.743812206	0.9274921	1.050712	0.9387013	0.6498444	5.0248533
5503000000	2.303834613	-1.308996939	-0.164354516	0.782674481	-0.637580929	-4.194981629	0.9812559	1.0942933	0.9292251	0.6169513	5.157711
5503000000	2.303834613	-1.256637061	0.660479944	1.15114286	-0.996600455	-4.724872111	1.0790063	1.1417135	0.8915998	0.5804387	5.3264181
5503000000	2.303834613	-1.204277184	1.576477529	1.489449523	-1.191807869	-5.210617248	1.199013	1.1870595	0.8717854	0.5488695	5.5904357
5503000000	2.303834613	-1.151917306	2.188631034	1.66317043	-1.056763738	-5.568767615	1.2865645	1.2110401	0.8854455	0.5266979	5.8223753
5503000000	2.303834613	-1.095557429	2.37310565	1.563651415	-0.849311269	-5.764142503	1.3141813	1.1972437	0.9068479	0.514983	5.8744441
5503000000	2.303834613	-1.047197551	2.345615881	1.202758581	-0.800576343	-5.772484528	1.3100287	1.1485183	0.9119503	0.5144886	5.7671891
5503000000	2.303834613	-0.994837674	2.473150635	0.734580678	-0.74753262	-5.536091407	1.3294057	1.0882509	0.9175365	0.5286831	5.7198642
5503000000	2.303834613	-0.942477796	2.813539142	0.365361433	-0.369643918	-5.013159027	1.3825376	1.042961	0.958336	0.56149	5.901055
5503000000	2.303834613	-0.890117919	3.009525415	0.174772788	0.258493436	-3.103135545	1.4140875	1.0203253	1.0302074	0.6094432	6.1799556
5503000000	2.303834613	-0.837758041	2.755085134	0.082110948	0.94331798	-3.561861457	1.3732647	1.0094982	1.0922722	0.6636008	6.3165447
5503000000	2.303834613	-0.785398163	2.16497247	0.032830175	0.94955465	-2.829750538	1.2830649	1.0037869	1.1155724	0.7219589	6.28658
5503000000	2.303834613	-0.733038286	1.845283173	0.106016663	0.94331798	-2.052265987	1.2366994	1.0126204	1.114772	0.7895628	6.3471923
5503000000	2.303834613	-0.680678408	2.198526233	0.362890369	1.101146599	-1.292450565	1.288031	1.0426643	1.1351607	0.8617424	6.7043391
5503000000	2.303834613	-0.628318531	2.727212805	0.671853085	1.534143662	-0.748806157	1.3688651	1.0804201	1.1931833	0.917402	7.1584503
5503000000	2.303834613	-0.575958653	2.850264729	0.822696398	1.956774053	-0.565631291	1.3883956	1.0993471	1.2526758	0.9369544	7.37944
5503000000	2.303834613	-0.523598776	2.496158755	0.744182295	1.214394085	-0.66390866	1.3329318	1.0894545	1.2756159	0.9264128	7.2805363
5503000000	2.303834613	-0.471238898	2.01596921	0.555808967	1.985188409	-0.693754501	1.2612421	1.0668017	1.2567805	0.932325	7.0578051
5503000000	2.303834613	-0.41887902	1.843852738	0.44836732	-0.80662071	-3.05452682	1.2364958	1.0529757	1.2143618	0.9654446	6.9841474
5503000000	2.303834613	-0.366519143	2.005347129	0.518075899	1.365193052	0.395837356	1.2597007	1.0614064	1.1701988	1.0462668	7.1166645
5503000000	2.303834613	-0.314159265	2.194112615	0.740696746	1.128877703	0.102174787	1.2873767	1.0891704	1.1387905	1.1254047	7.3108629
5503000000	2.303834613	-0.261799388	2.220264508	1.058480685	1.00904802	1.402008624	1.2912586	1.1295983	1.1231879	1.1751693	7.4567936
5503000000	2.303834613	-0.20943951	2.075548963	1.410738081	0.949681952	1.638704654	1.2699232	1.1763509	1.1155373	1.2076337	7.5487572
5503000000	2.303834613	-0.157079633	1.778812245	1.716006443	0.897904055	1.952289255	1.2272714	1.2184293	1.1089072	1.2520292	7.6162267
5503000000	2.303834613	-0.104719755	1.35417145	1.877416681	1.010290074	2.359700538	1.1687149	1.2412831	1.1104896	1.3121547	7.663093
5503000000	2.303834613	-0.052359878	0.973080838	1.813484849	1.079111777	2.644882294	1.1185465	1.2321802	1.1322846	1.3559514	7.6744455
5503000000	2.303834613	-4.44E-16	0.959000705	1.507444161	1.327627497	2.623026895	1.1167348	1.1895213	1.1651488	1.3525438	7.6474535
5503000000	2.303834613	0.052359878	1.414186526	1.777755642	1.041695564	2.325876081	1.1768181	1.1321104	1.1751269	1.3070548	7.5881233
5503000000	2.303834613	0.104719755	2.020953725	0.798774576	1.120222276	1.993975589	1.2619661	1.0963265	1.1376564	1.2580525	7.520581
5503000000	2.303834613	0.157079633	2.399552292	0.892876476	0.632949422	1.871870049	1.3181888	1.0826255	1.0755918	1.2404907	7.4996142
5503000000	2.303834613	0.20943951	2.366601287	1.242110411	0.395097226	1.949696098	1.3131976	1.1537335	1.0465377	1.2516555	7.5408847
5503000000	2.303834613	0.261799388	1.942923156	1.52836058	0.538920598	2.02132236	1.2506799	1.1923892	1.0640108	1.2620197	7.5481277
5503000000	2.303834613	0.314159265	1.341089085	1.56327701	0.590100183	1.94138444	1.1669559	1.1971921	1.0702987	1.2504583	7.393416
5503000000	2.303834613	0.366519143	0.903588217	1.372038912	0.984938136	1.73186364	1.1096331	1.1711215	1.0220494	1.2206557	7.0888147
5503000000	2.303834613	0.41887902	0.815787121	1.088072202	-0.403693397	1.519470807	1.0984729	1.1334502	0.9545866	1.1911694	6.8042847
5503000000	2.303834613	0.471238898	0.877483506	0.789002566	-0.50542822	1.376663135	1.1063032	1.0950908	0.9434711	1.1717451	6.6822568
5503000000	2.303834613	0.523598776	0.768037476	0.0442787603	-0.074414594	1.21544086	1.0924508	1.0522995	0.9914693	1.1501965	6.6212867
5503000000	2.303834613	0.575958653	0.394115023	0.0421247448	0.87665651	0.87665651	1.0464193	1.0427601	1.0230209	1.1061979	6.4037532
5503000000	2.303834613	0.628318531	-0.021461314	-0.295047886	-0.043283181	0.290992614	0.9975322	0.9666018	0.9950292	1.0340693	6.0058921
5503000000	2.303834613	0.680678408	-0.143078178	-0.454122215	-0.49673367	-0.447439238	0.9836624	0.9490605	0.944416	0.949791	5.6364101
5503000000	2.303834613	0.733038286	0.055672901	-0.530083483	-0.538787153	-1.118996385	1.0064302	0.9407796	0.9398545	0.8791241	5.4974805
5503000000	2.303834613	0.785398163	0.277441295	-0.717304575	-0.1500212	-1.520452413	1.0324572	0.9207353	0.9828765	0.8394163	5.5188555
5503000000	2.303834613	0.837758041	0.30646452	-1.07241291	0.08936659	-1.595582947	1.0359129	0.8838516	1.0103418	0.8321869	5.4884527
5503000000	2.303834613	0.890117919	0.195369335	-1.478020681	-0.026471559	-1.407141518	1.0227476	0.843527	0.996957	0.8504385	5.3754664
5503000000	2.303834613	0.942477796	0.136556232	-1.82292648	-0.085621209	-1.056199416	1.0158459	0.8106879	0.990192	0.885503	5.3348649
5503000000	2.303834613	0.994837674	0.160265851	-2.168083623	0.334003754	-0.667063517	1.0186226	0.7791047	1.0392025	0.9260764	5.4900987
5503000000	2.303834613	1.047197551	0.066435802	-2.6539893	0.959133721	-0.370728223	1.007678	0.7367167	1.1167519	0.9582164	5.6192188
5503000000	2.303834613	1.099557429	-0.273447468	-3.299273286	1.293813194	-0.260100262	0.9690008	0.6839689	1.1606216	0.9704988	5.5386473
5503000000	2.303834613	1.151917306	-0.703296473	-3.935183287	1.025048425	-0.368379775	0.9222214	0.6356833	1.1487598	0.9584755	5.2612113
5503000000	2.303834613	1.204277184	-0.903494537	-3.912820162	0.910226675	-0.689445126	0.9012085	0.6081853	1.1104815	0.9236932	4.9682166
5503000000	2.303834613	1.256637061	-0.742339284	-4.34746748	0.69384523	-1.217147183	0.9180853	0.6021499	1.0831591	0.8692459	4.8027755
5503000000	2.303834613	1.308996939	-0.433027313	-4.130818414	0.534666833	-1.9692687	0.9513682	0.6215257	1.0634898	0.7971436	4.6942102
5503000000	2.303834613	1.361356817	-0.313967282	-3.848050811	0.15739479	-2.972510985	0.9644987	0.6420293	1.0182859	0.7101898	4.4149096
5503000000	2.303834613	1.413716694	-0.565751531	-3.600222922	-0.614209374	-4.210069492	0.9639414	0.6006765	0.9317288	0.6158806	3.9324408
5503000000	2.303834613	1.466076572	-1.061549704	-3.400971889	-1.713379005	-5.564290343	0.8849577	0.6760703	0.8209771	0.5269695	3.2540107
5503000000	2.303834613	1.518436449	-1.431727291	-3.228370212	-2.916543739	-6.843706047	0.8480347	0.689575	0.7147807	0.454794	2.6297567
5503000000	2.303834613	1.570796327	-1.429676353	-3.055622442	-4.120038592	-7.96454576	0.848235	0.7034267	0.6222975	0.3997355	2.1905408
5503000000	2.303834613	1.623156204	-1.230201118	-2.857268531	-5.588225472	-9.031143158	0.8679405	0.7196375	0.5255194	0.3535435	1.8216514
5503000000	2.303834613	1.675516082	-1.242757199	-2.611987949	-7.73018277	-9.990024547	0.8666867	0.7402878	0.410668	0.3165912	1.3422867
5503000000	2.303834613	1.72787596	-								

5503000000	2.35619449	-1.884955592	-9.797856484	-9.405817119	-3.132685297	-5.275249132	0.3236735	0.3386173	0.6972134	0.5448006	-0.425871
5503000000	2.35619449	-1.832595715	-6.307296855	-9.630748525	-3.996820533	-4.515746659	0.4837658	0.329961	0.6311883	0.5945832	0.1698673
5503000000	2.35619449	-1.780235837	-4.220776842	-7.116802579	-3.80552253	-3.603946157	0.6151219	0.4407171	0.6452416	0.6603934	1.4436031
5503000000	2.35619449	-1.72787596	-3.333325354	-4.460025114	-2.422352162	-2.855982452	0.6812927	0.5984099	0.756628	0.7197818	2.7853835
5503000000	2.35619449	-1.675516082	-3.294282689	-2.565831284	-3.178252065	-2.389155488	0.684362	0.7442322	0.8590311	0.7595253	3.6572785
5503000000	2.35619449	-1.623156204	-3.592731946	-1.318720093	-1.069057481	-2.157911785	0.6612465	0.8591401	0.8841931	0.7800176	4.0404907
5503000000	2.35619449	-1.570796327	-3.465714347	-0.478096339	-3.19708192	-2.063468265	0.6709873	0.9464446	0.851424	0.7885452	4.2368248
5503000000	2.35619449	-1.518436449	-2.606979143	0.137718327	-1.662395765	-2.049194137	0.7407148	1.0159818	0.8258101	0.7898241	4.53805
5503000000	2.35619449	-1.466076572	-1.569005098	0.606955541	-1.388479418	-2.134523946	0.8347372	1.023777	0.8522677	0.7821207	4.9631513
5503000000	2.35619449	-1.413716694	-0.818711443	0.9336292	-0.779283252	-2.369122005	0.9100483	1.1134775	0.9141887	0.7612791	5.3410716
5503000000	2.35619449	-1.361356817	-0.313145211	1.125340823	-0.374256738	-2.762335811	0.96459	1.138327	0.9578272	0.7275841	5.5483522
5503000000	2.35619449	-1.308996939	0.259242514	1.242424641	-0.416820817	-3.252778548	1.0302963	1.1537753	0.953145	0.6876399	5.6317028
5503000000	2.35619449	-1.256637061	1.051941313	1.359016969	-0.717554023	-3.7403641	1.1287482	1.169367	0.9207088	0.6501024	5.7312096
5503000000	2.35619449	-1.204277184	1.864250695	1.471882853	-0.887110766	-4.151438108	1.239403	1.1846611	0.90291	0.620052	5.9048
5503000000	2.35619449	-1.151917306	2.418587746	1.482799463	-0.769527896	-4.468132366	1.3210808	1.186151	0.915216	0.5978516	6.064568
5503000000	2.35619449	-1.09557429	2.643234371	1.294503783	-0.586673515	-4.692144275	1.3556941	1.1607139	0.9346873	0.5826299	6.0935263
5503000000	2.35619449	-1.047197551	2.724518917	0.918359356	-0.54330648	-4.772614583	1.3684406	1.1115218	0.9393657	0.5727571	6.0131813
5503000000	2.35619449	-0.994837674	2.931291143	0.499060161	-0.488997386	-4.577840406	1.4014079	1.0591391	0.9452575	0.5903478	6.0122408
5503000000	2.35619449	-0.942477796	3.269533884	0.280816391	-0.126523388	-4.046245121	1.4570575	1.0233892	0.985539	0.6276069	6.2214925
5503000000	2.35619449	-0.890117919	3.443904977	0.034343562	-0.475802986	-3.7352891162	1.4866038	1.0039818	1.056307	0.6797597	6.4992895
5503000000	2.35619449	-0.837758041	3.208706202	-0.112194778	0.961188385	-2.735134965	1.4468893	0.9871662	1.1170161	0.7300023	6.6104546
5503000000	2.35619449	-0.785398163	2.663315672	-0.252780868	1.131086867	-2.22221941	1.3588321	0.9731169	1.1398083	0.7742639	6.5338703
5503000000	2.35619449	-0.733038286	2.326253175	-0.228606179	1.12952017	-1.678959974	1.3071116	0.9704201	1.1388749	0.8242368	6.5354137
5503000000	2.35619449	-0.680678408	2.579730236	0.055016937	1.312537416	-1.057921915	1.3458186	1.0063452	1.1631263	0.8853274	6.8496091
5503000000	2.35619449	-0.628318531	3.029194448	0.411297422	1.768543904	-0.538018612	1.4172933	1.0484914	1.2258214	0.9399377	7.2939155
5503000000	2.35619449	-0.575958653	3.128554396	0.566949679	2.178247083	-0.326441499	1.4335991	1.0674499	1.2850273	0.9631145	7.5117924
5503000000	2.35619449	-0.523598776	2.773464006	0.346434557	2.265080401	-0.428667244	1.3761735	1.0513133	1.2979382	0.9518459	7.3792507
5503000000	2.35619449	-0.471238898	2.274532264	0.159085668	2.019187738	-0.557951282	1.2993514	1.0184842	1.2617095	0.9377831	7.0770329
5503000000	2.35619449	-0.41887902	2.051551512	-0.016106333	1.617113896	-0.320172503	1.264195	0.9981474	1.2046356	0.9638099	6.9133789
5503000000	2.35619449	-0.366519143	2.151762809	0.049533124	1.266653254	0.30008663	1.2811151	1.005719	1.1569981	1.0351525	7.0029917
5503000000	2.35619449	-0.314159265	2.277733965	0.335842393	1.069753182	0.936718362	1.2998304	1.0394225	1.1310653	1.1138736	7.2046558
5503000000	2.35619449	-0.261799388	2.227663221	0.760370856	0.995137476	1.347692559	1.292359	1.0914869	1.1213905	1.1678434	7.3714641
5503000000	2.35619449	-0.20943951	2.00088679	1.22863136	0.953493499	1.606909452	1.2590539	1.1519445	1.1160269	1.2032212	7.4770757
5503000000	2.35619449	-0.157079633	1.656499766	1.62981336	0.904937312	1.928162611	1.2101104	1.1063982	1.1098101	1.2485563	7.5586402
5503000000	2.35619449	-0.104719755	1.252159667	1.852162223	0.919047188	2.344381877	1.1550691	1.2376793	1.1116098	1.3098425	7.6298884
5503000000	2.35619449	-0.052359878	0.936214477	1.813987986	1.084681467	2.64094875	1.113809	1.2322516	1.1330109	1.3553374	7.6662678
5503000000	2.35619449	-4.44E-16	0.959000937	1.507444133	1.327627549	2.623026921	1.1167348	1.1895213	1.1651488	1.3525438	7.6474536
5503000000	2.35619449	0.052359878	1.39947643	1.064793627	1.407020916	2.320213911	1.1748267	1.1304196	1.1758476	1.3062031	7.5812076
5503000000	2.35619449	0.104719755	1.996301573	0.773003206	1.155306323	1.984155898	1.2583895	1.0930755	1.1422609	1.2566311	7.513925
5503000000	2.35619449	0.157079633	2.406847175	0.852088568	1.072431386	1.964768139	1.3192963	1.1030734	1.0869688	1.2394768	7.5111058
5503000000	2.35619449	0.20943951	2.444536259	1.168788063	0.527870424	1.932594908	1.3250334	1.1440352	1.062658	1.2491936	7.56963
5503000000	2.35619449	0.261799388	2.11324051	1.430805712	0.64305006	1.964538743	1.2754459	1.1754124	1.0768433	1.2537962	7.5706792
5503000000	2.35619449	0.314159265	1.593469186	1.390728573	0.612871451	1.828058154	1.2013608	1.1736461	1.0731083	1.2342494	7.388701
5503000000	2.35619449	0.366519143	1.177514367	1.188247682	0.618973603	1.57602178	1.1451852	1.1766022	1.0138966	1.19895	7.0525884
5503000000	2.35619449	0.41887902	1.03908754	0.943761474	-0.550870809	1.353001012	1.127079	1.1417772	0.9385479	1.1685574	6.7471115
5503000000	2.35619449	0.471238898	1.040832862	0.700628346	-0.694843496	1.21549779	1.1273055	1.0840053	0.9231193	1.150204	6.6176751
5503000000	2.35619449	0.523598776	0.91947291	0.378869769	-0.276712145	1.048370165	1.1166343	1.0445848	0.9686444	1.1282842	6.5536696
5503000000	2.35619449	0.575958653	0.583730162	-0.03090028	-0.007715513	0.68515088	1.0695141	0.9964488	0.9991057	1.0820755	6.3343824
5503000000	2.35619449	0.628318531	0.211352147	-0.35226973	-0.225121838	0.066366886	1.0246313	0.9602549	0.9744149	1.00767	5.9485807
5503000000	2.35619449	0.680678408	0.085894982	-0.418130842	-0.559893231	-0.696875743	1.0099381	0.9530012	0.9375735	0.9229033	5.6284315
5503000000	2.35619449	0.733038286	0.250806486	-0.338956807	-0.364264558	-1.36816835	1.0292961	0.9617278	0.9589297	0.854263	5.5847047
5503000000	2.35619449	0.785398163	0.466069512	-0.362686365	-0.59731271	-1.756779088	1.0551239	0.9510701	1.0303542	0.8168852	5.7144475
5503000000	2.35619449	0.837758041	0.529896574	-0.582500037	0.678774254	-1.873485689	1.0629059	0.9351365	1.0812814	0.8059827	5.7679057
5503000000	2.35619449	0.890117919	0.461509996	-0.904805169	0.712494884	-1.85850919	1.0545702	0.9010725	1.0854873	0.8073736	5.6852381
5503000000	2.35619449	0.942477796	0.397996063	-1.229308215	0.727874326	-1.824199655	1.046887	0.8680297	1.087411	0.8105691	5.604501
5503000000	2.35619449	0.994837674	0.343346584	-1.596725666	1.076971193	-1.815830935	1.0403209	0.8320774	1.1320056	0.8113504	5.611008
5503000000	2.35619449	1.047197551	0.13644122	-2.103350266	1.546241572	-1.848354809	1.0158324	0.7849328	1.1948464	0.808318	5.5840496
5503000000	2.35619449	1.099557429	-0.279444193	-2.727276999	1.716291055	-1.936211055	0.9683398	0.7309096	1.2184692	0.8001832	5.3853584
5503000000	2.35619449	1.151917306	-0.683291587	-3.263482336	1.461521476	-2.100042909	0.9234478	0.686793	1.1832493	0.7852318	5.0561341
5503000000	2.35619449	1.204277184	-0.749327896	-3.515606128	1.003412079	-2.360314891	0.9173469	0.6671442	1.1224217	0.7620514	4.783396
5503000000	2.35619449	1.256637061	-0.439210532	-3.452316636	0.662147759	-2.723554408	0.9506912	0.672023	1.0792135	0.73084	4.6922885
5503000000	2.35619449	1.308996939	-0.072507018	-3.232499399	0.634994438	-3.167335933	0.9916871	0.6892472	1.0519006	0.6944376	4.6783728
5503000000	2.35619449	1.361356817	0.003329996	-3.022251641	0.030203281	-3.638167435	1.0003835	0.7061345	1.0034833	0.6577966	4.5263205
5503000000	2.35619449	1.413716694	-0.30627348	-2.88273113	-0.705670545	-4.081503279	0.9653534	0.7175686	0.9165681	0.6250645	4.1487948
5503000000	2.35619449	1.466076572	-0.75035294	-2.792547307	-1.791149738	-4.501656154	0.9172387	0.7205078	0.8136592	0.5955486	3.6669675
5503000000	2.35619449	1.518436449	-0.91921938	-2.712401313	-2.714815173	-4.993323892	0.8959784	0.731779	0.7315756	0.5627737	3.404016
5503000000	2.35619449	1.570796327	-0.732451919	-2.614654613	-3.372916174	-5.684685026	0.919131	0.7400606	0.6781944	0.5197156	3.0979136
5503000000	2.35619449	1.623156204	-0.556531802	-2.483970854	-4.09246502	-6.607759782	0.9379364				

5503000000	2.408554368	-1.989675347	-11.86485785	-4.791486687	-3.214441212	-3.466353731	0.2551274	0.5760042	0.6906817	0.6709379	0.7991872
5503000000	2.408554368	-1.93731547	-11.06181902	-6.22215588	-2.537479171	-3.090511571	0.2798395	0.4885311	0.7466654	0.7006069	0.8893596
5503000000	2.408554368	-1.884955592	-7.774471291	-8.39859811	-2.85295814	-2.602086391	0.4085794	0.3802508	0.7200302	0.7411322	1.0230218
5503000000	2.408554368	-1.832595715	-5.384923934	-9.850840509	-3.610236353	-2.023662657	0.5379647	0.3217051	0.6599153	0.7921672	1.2528662
5503000000	2.408554368	-1.780235837	-4.17756786	-8.151018097	-3.479413626	-1.506779021	0.6181895	0.3912453	0.6699298	0.8407387	2.0077669
5503000000	2.408554368	-1.72787596	-3.798702391	-5.370426526	-2.253295298	-1.15944556	0.6457507	0.5388634	0.7714988	0.8750396	3.0186653
5503000000	2.408554368	-1.675516082	-3.814001679	-3.213588807	-1.202954352	-0.982894728	0.6446143	0.6907495	0.8706674	0.8309078	3.8039408
5503000000	2.408554368	-1.623156204	-3.703852972	-1.734783518	-0.90864341	-0.916327297	0.6528409	0.8189565	0.9006744	0.898978	4.2765954
5503000000	2.408554368	-1.570796327	-3.090852875	-0.714352766	-1.165386293	-0.910551434	0.7005794	0.9210482	0.8744413	0.9004766	4.6001489
5503000000	2.408554368	-1.518436449	-2.098583523	0.022051396	-1.417878205	-0.972735074	0.7853637	1.002542	0.8493879	0.894053	4.938207
5503000000	2.408554368	-1.466076572	-1.121081612	0.55253428	-1.2196253428	-1.149543409	0.8789131	1.0658907	0.8689979	0.8760378	5.3195494
5503000000	2.408554368	-1.4137116694	-0.365330256	0.89551314	-0.699455369	-1.468252139	0.9588121	1.108602	0.9226293	0.8444762	5.6536191
5503000000	2.408554368	-1.361356817	0.230367915	1.059918546	-0.328723461	-1.890472184	1.0268769	1.1297853	0.9628615	0.804408	5.853829
5503000000	2.408554368	-1.308996939	0.839381447	1.107235541	-0.342369406	-2.319072188	1.1014609	1.1359567	0.96135	0.7656784	5.9430501
5503000000	2.408554368	-1.256637061	1.535161298	1.114500005	-0.578941103	-2.661679544	1.1933231	1.1369072	0.9355197	0.7360648	6.0245398
5503000000	2.408554368	-1.204277184	2.210241488	1.096109972	-0.693824178	-2.900199805	1.2897694	1.1345026	0.9232276	0.7161269	6.1567569
5503000000	2.408554368	-1.151917306	2.705405898	0.977794799	-0.550434781	-3.094448866	1.3654327	1.1191537	0.9385951	0.7002894	6.2846587
5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.355922249	-3.306345323	1.4087522	1.0814916	0.9609934	0.6834122	6.3081377
5503000000	2.408554368	-1.047197551	3.147200322	0.235612165	-0.261440057	-3.489006243	1.4366799	1.0274971	0.970349	0.6691904	6.2429469
5503000000	2.408554368	-0.994837674	3.384099289	-0.184071642	-0.167710241	-3.449703971	1.4746032	0.9790309	0.9808769	0.6722252	6.2531424
5503000000	2.408554368	-0.942477796	3.672038418	-0.414168151	0.194028349	-3.05689308	1.5261665	0.9534361	1.0225897	0.7033239	6.4557862
5503000000	2.408554368	-0.890117919	3.789835219	-0.501007206	0.76262138	-2.483571367	1.5470052	0.9439514	1.0917698	0.7513139	6.7172589
5503000000	2.408554368	-0.837758041	3.548417551	-0.60851865	1.213722393	-1.021380503	1.5045994	0.9323395	1.149969	0.7931968	6.8090898
5503000000	2.408554368	-0.785398163	3.034682797	-0.734334779	1.36645571	-1.706303053	1.4181891	0.9189318	1.1703676	0.8216462	6.7074219
5503000000	2.408554368	-0.733038286	2.692996059	-0.657203681	1.36873602	-1.358986661	1.3634832	0.9271283	1.1706762	0.8525123	6.6766003
5503000000	2.408554368	-0.680678408	2.8735958836	-0.268046009	1.559548028	-0.910787926	1.3921882	0.9666114	1.1966783	0.9004521	6.964013
5503000000	2.408554368	-0.628318531	3.257921443	0.184807722	2.000031572	-0.420355909	1.4551108	1.0215047	1.25893	0.9527571	7.3997129
5503000000	2.408554368	-0.575958653	3.335834523	0.379760039	2.359494538	-0.169568934	1.468222	1.0446914	1.3121235	0.980667	7.6145402
5503000000	2.408554368	-0.523598776	2.981454957	0.977794799	2.660353091	-0.293960813	1.4095249	1.0285824	1.3122505	0.9728188	7.4590619
5503000000	2.408554368	-0.471238898	2.474055688	-0.13050001	2.009074121	-0.412879829	1.3295442	0.9850879	1.2602413	0.9535775	7.0983935
5503000000	2.408554368	-0.41887902	2.217835234	-0.394376274	1.5313905	-0.295322909	1.2908975	0.9556111	1.1928052	0.9665712	6.8600633
5503000000	2.408554368	-0.366519143	2.268379248	-0.3752331	1.08388325	0.230655722	1.2984313	0.9577195	1.1455642	1.026911	6.90478
5503000000	2.408554368	-0.314159265	2.334522374	-0.062213408	1.034970041	0.851193824	1.3083566	0.992863	1.1265449	1.1029598	7.1027528
5503000000	2.408554368	-0.261799388	2.211089354	0.452143723	1.001759892	1.287020244	1.2898953	1.0534336	1.1222458	1.1597143	7.2821777
5503000000	2.408554368	-0.20943951	1.909522504	1.035348469	0.969385189	1.570272576	1.2458797	1.126594	1.1180707	1.1981567	7.4004511
5503000000	2.408554368	-0.157079633	1.526798553	1.5679414785	0.917028554	1.903859569	1.1921748	1.13935641	1.1113515	1.2450677	7.4989206
5503000000	2.408554368	-0.104719755	1.149818331	1.823930602	0.928748129	2.330216714	1.1415394	1.233663	1.112852	1.3077082	7.5965535
5503000000	2.408554368	-0.052359878	0.900467786	1.813352494	1.090434484	2.6372415	1.1092346	1.2321615	1.1337497	1.3547591	7.6581715
5503000000	2.408554368	-4.44E-16	0.959000785	1.507444443	1.327627488	2.623027187	1.1167348	1.1895231	1.1651488	1.3525439	7.6474537
5503000000	2.408554368	0.052359878	1.383642951	1.052599685	1.4121299575	2.315585012	1.1726871	1.1288337	1.176427	1.3055071	7.5742339
5503000000	2.408554368	0.104719755	1.965938984	0.745942254	1.188191786	1.976890141	1.2539983	1.0896753	1.1465938	1.2355803	7.5056761
5503000000	2.408554368	0.157079633	2.400917534	0.803650385	0.812919676	1.862072018	1.318396	1.0969391	1.0981103	1.2931846	7.5180803
5503000000	2.408554368	0.20943951	2.501205506	1.082953697	0.661101472	1.925697321	1.3337065	1.1327855	1.0790836	1.248202	7.5929577
5503000000	2.408554368	0.261799388	2.256429473	1.705613964	0.76408962	1.926322093	1.2966461	1.1575189	1.0919543	1.2482918	7.5941056
5503000000	2.408554368	0.314159265	1.82080102	1.22405311	0.684413598	1.744439773	1.2323186	1.1513375	1.0819836	1.2224243	7.4900831
5503000000	2.408554368	0.366519143	1.443949791	1.031074274	1.41855458	1.463541181	1.1808575	1.1260397	1.0164658	1.183524	7.0569335
5503000000	2.408554368	0.41887902	1.282325075	0.840921701	-0.571858992	1.240815684	1.1590876	1.1016626	0.9362828	1.1535616	6.7503596
5503000000	2.408554368	1.244642958	1.121799699	0.6547427	-0.76998472	1.103788939	1.15407	1.10782939	0.9151679	1.135506	6.6144381
5503000000	2.408554368	0.523598776	0.825959913	0.352834041	-0.415878042	0.9001271	1.137863	1.0414579	0.9532484	1.109191	6.5303227
5503000000	2.408554368	0.575958653	0.825959913	-0.065993259	-0.206081024	0.452360423	1.1002212	0.992431	0.9765533	1.0534599	6.2829619
5503000000	2.408554368	0.628318531	0.501768929	-0.373901441	-0.462929347	-0.293164598	1.0594695	0.9578664	0.9480987	0.9668114	5.8722135
5503000000	2.408554368	0.680767408	0.365402025	-0.362662729	-0.759868347	-1.21059525	1.0429659	0.9591066	0.9162344	0.8699018	5.5480779
5503000000	2.408554368	0.733038286	0.470862626	-0.166870704	-0.407446393	-2.03149619	1.0557063	0.9809717	0.9541742	0.7914531	5.5345318
5503000000	2.408554368	0.785398163	0.631013575	-0.081952742	0.398767841	-2.540931323	1.0753521	0.9069092	1.04698	0.7463687	5.7095935
5503000000	2.408554368	0.837758041	0.661405884	-0.226826643	0.1970126213	-2.786202384	1.0791214	0.9742236	1.1181661	0.7255876	5.7942823
5503000000	2.408554368	0.890117919	0.554241582	-0.515592827	1.143219115	-2.966988166	1.0658892	0.942367	1.1406725	0.7106415	5.7101805
5503000000	2.408554368	0.942477796	0.409740238	-0.835440941	1.263868417	-3.181862424	1.0483034	0.9082972	1.1566273	0.6932771	5.5899821
5503000000	2.408554368	0.994837674	0.232031998	-1.19191318	1.632446079	-3.358322402	1.0270737	0.8717749	1.2067639	0.6793348	5.5405967
5503000000	2.408554368	1.047197551	-0.089653104	-1.641274005	2.048106024	-3.374925114	0.9897314	0.8278207	1.2659172	0.6780375	5.4866673
5503000000	2.408554368	1.099557429	-0.546319914	-2.134350698	2.216000605	-3.233320428	0.9390398	0.7821363	1.2773209	0.6891821	5.3144625
5503000000	2.408554368	1.151917306	-0.878686741	-2.499603287	1.730012588	-3.067331245	0.9037861	0.7499285	1.2203956	0.7024791	5.4807816
5503000000	2.408554368	1.204277184	-0.802759659	-2.595783504	1.056178481	-2.994426984	0.9117211	0.7416702	1.1292989	0.7084002	4.838622
5503000000	2.408554368	1.256637061	-0.385122378	-2.456390321	0.460691275	-3.021858711	0.9566297	0.7536687	1.0544708	0.7016664	4.7883314
5503000000	2.408554368	1.308996939	-0.003628598	-2.242355504	0.02217	-3.083468132	0.9995823	0.7724711	1.0025557	0.7101753	4.8004566
5503000000	2.408554368	1.361356817	0.026888281	-2.08986515	-0.575566579	-3.146780286	1.0031004	0.7861524	0.9358832	0.6960829	4.6630176
5503000000	2.408554368	1.4137116694	-0.295033177	-2.034145525	-1.600310986	-2.83045054	0.9666035	0.7912117	0.831734	0.685248	4.2830881
5503000000	2.408554368	1.466076572	-0.630518657	-2.03877774	-2.907782339	-3.6383222	0.929981	0.7907899	0.7155021	0.6578977	3.7902854
5503000000	2.408554368	1.51843644									

5503000000	2.460914245	-2.094395102	-10.74147657	-4.5515538	-4.954773497	-2.551807809	0.2903529	0.5921372	0.565277	0.7454347	0.8009719
5503000000	2.460914245	-2.042035225	-11.99742062	-4.078825004	-4.199704663	-2.015237926	0.2512632	0.6252573	0.616616	0.7929359	1.1611998
5503000000	2.460914245	-1.989675347	-11.54045039	-4.296595181	-2.984163915	-1.610314716	0.2648363	0.6097759	0.7092377	0.8037766	1.6363992
5503000000	2.460914245	-1.93731547	-8.450057432	-5.226524321	-2.334671861	-1.258349437	0.3780046	0.5478653	0.7643045	0.8651323	1.2128260
5503000000	2.460914245	-1.884955592	-5.935679724	-6.706160166	-2.563154386	-0.923949561	0.5049124	0.4620532	0.7444616	0.8990887	2.3139266
5503000000	2.460914245	-1.832595715	-4.670875442	-7.871837229	-3.18625752	-0.650013984	0.5840583	0.4020429	0.6929264	0.927896	2.3085676
5503000000	2.460914245	-1.780235837	-4.30709698	-7.339742018	-3.076129022	-0.49433371	0.6090391	0.4295492	0.701768	0.9446769	2.5583932
5503000000	2.460914245	-1.72787596	-4.289117103	-5.600766926	-1.997677512	-0.463387488	0.6103011	0.5247611	0.7945407	0.9480487	3.1601641
5503000000	2.460914245	-1.675516082	-4.04506826	-3.928515865	-0.510419856	-0.838799967	0.627692	0.6367175	0.8908267	0.942929	3.7999607
5503000000	2.460914245	-1.623156204	-3.353730317	-2.673120524	-0.662866827	-0.582552114	0.6796941	0.7350599	0.926524	0.9351309	4.2874571
5503000000	2.460914245	-1.570796327	-2.397909715	-1.745361971	-0.838779622	-0.667999328	0.7587602	0.8179597	0.9079481	0.9259766	4.6361294
5503000000	2.460914245	-1.518436449	-1.401798614	-1.013536829	-1.069231982	-0.8022178	0.8509618	0.8898603	0.8841753	0.911778	4.9515497
5503000000	2.460914245	-1.466076572	-0.485503762	-0.429171439	-0.955516975	-1.027994663	0.9456378	0.9517906	0.895827	0.8883831	5.3002229
5503000000	2.460914245	-1.413716694	0.298600794	-0.011993435	-0.562184412	-1.344655594	1.0349754	0.9986202	0.9373262	0.8565786	5.6377051
5503000000	2.460914245	-1.361356817	0.955040238	0.2301776	-0.274511618	-1.68966924	1.1162257	1.0268544	0.9688899	0.8232212	5.8787168
5503000000	2.460914245	-1.308996939	1.539147563	0.348858534	-0.300979442	-1.969307804	1.1938709	1.0409813	0.965942	0.79714	6.0161129
5503000000	2.460914245	-1.256637061	2.108180622	0.415657382	-0.498966811	-2.121315129	1.2747031	1.0490178	0.9441732	0.783311	6.1310847
5503000000	2.460914245	-1.204277184	2.654550287	0.434186629	-0.506095623	-2.170350376	1.3574615	1.051258	0.9374869	0.7789014	6.2881062
5503000000	2.460914245	-1.151917306	3.106412753	0.316380531	-0.369071985	-2.22478594	1.4299493	1.0370962	0.9583991	0.7740352	6.4433099
5503000000	2.460914245	-1.099557429	3.414570414	-0.026577991	-0.109540040	-2.387295265	1.4815916	0.9966448	0.9874679	0.7596789	6.4973574
5503000000	2.460914245	-1.047197551	3.622589919	-0.557090968	0.042457404	-2.622061676	1.5175028	0.9387861	1.0049001	0.7394297	6.4437833
5503000000	2.460914245	-0.994837674	3.82004163	-1.063311699	0.186514827	-2.701936768	1.5523945	0.8847882	1.0217055	0.7326611	6.426871
5503000000	2.460914245	-0.942477796	4.002966183	-1.329625747	0.5429699349	-2.429939349	1.5854345	0.8580621	1.0645069	0.7559673	6.5756847
5503000000	2.460914245	-0.890117919	4.0261440352	-1.406809308	1.069278534	-1.953384414	1.5896701	0.850471	1.1310034	0.7986027	6.7885526
5503000000	2.460914245	-0.837758041	3.748783032	-1.49574281	1.483916974	-1.589845502	1.5397108	0.8418076	1.1863036	0.8327367	6.8495566
5503000000	2.460914245	-0.785398163	3.248516182	-1.575200236	1.624443996	-1.440038557	1.4535361	0.834142	1.2056526	0.8472237	6.730304
5503000000	2.460914245	-0.733038286	2.911770173	-1.36034937	1.632407709	-1.305576419	1.3982619	0.8550633	1.2067586	0.8604412	6.6901302
5503000000	2.460914245	-0.680678408	3.051073993	-0.76041741	1.815085406	-0.956516436	1.4208679	0.8611765	1.2324073	0.8957239	6.7617109
5503000000	2.460914245	-0.628318531	3.390083475	-0.123750262	2.209482451	-0.477162948	1.4774207	0.9885373	1.2896567	0.9465463	7.4203914
5503000000	2.460914245	-0.575958653	3.452924613	0.182877653	2.493891981	-0.159188766	1.4881484	1.0212778	1.332584	0.9818396	7.6472756
5503000000	2.460914245	-0.523598776	3.103861834	0.067092271	2.404698095	-0.151228161	1.4295294	1.0077542	1.31897	0.9827399	7.4931223
5503000000	2.460914245	-0.471238898	2.601788741	-0.307568599	1.967905814	-0.303819353	1.3492407	0.9652095	1.2548232	0.9656262	7.1097174
5503000000	2.460914245	-0.41887902	2.334419123	-0.646577941	1.448504854	-0.252200059	1.3083003	0.9282631	1.1814769	0.9713819	6.8275474
5503000000	2.460914245	-0.366519143	2.351091025	-0.708627514	1.123237415	-0.188072901	1.3108547	0.9216555	1.1380514	1.0218888	6.8353574
5503000000	2.460914245	-0.314159265	2.363876817	-0.419832182	1.032462498	0.776059558	1.3127857	0.9528146	1.1262197	1.0934602	7.0159197
5503000000	2.460914245	-0.261799388	2.171690443	0.150872918	1.029511895	1.224398065	1.2840576	1.0175216	1.1258372	1.1513832	7.194433
5503000000	2.460914245	-0.20943951	1.803239553	0.387908332	0.995570193	1.530447143	1.2307277	1.0102741	1.1214464	1.1926757	7.3212157
5503000000	2.460914245	-0.157079633	1.391816401	1.439743016	0.932728204	1.879879816	1.1737911	1.1802857	1.113362	1.2416351	7.4381104
5503000000	2.460914245	-0.104719755	1.048728572	1.793372048	0.938934696	1.312548552	1.1283308	1.2293303	1.1141579	1.3057888	7.5636099
5503000000	2.460914245	-0.052359878	0.866280748	1.811666565	0.196028851	2.633833569	1.048773	1.2319223	1.134492	1.3542277	7.6502812
5503000000	2.460914245	-4.44E-16	0.959000847	1.507444159	1.327627591	2.623027368	1.1167348	1.1895213	1.1651488	1.3525439	7.6474537
5503000000	2.460914245	0.052359878	1.366895617	1.041258216	1.414438745	1.311987115	1.1704234	1.1273608	1.1768522	1.3049665	7.5672363
5503000000	2.460914245	0.104719755	1.930003951	1.071852749	1.218119856	1.972000159	1.248821	1.0861571	1.1505513	1.2548737	7.4957055
5503000000	2.460914245	0.157079633	2.381373175	0.748788348	0.896028034	1.865625088	1.3154328	1.0900324	1.1086677	1.2395991	7.5200994
5503000000	2.460914245	0.20943951	2.53543367	0.988236338	0.789196881	1.930133404	1.3389726	1.1204999	1.0951153	1.2488936	7.6104247
5503000000	2.460914245	0.261799388	2.369927242	1.357519657	0.893626532	1.909772701	1.3137005	1.139688	1.1083612	1.2495916	7.6180847
5503000000	2.460914245	0.314159265	2.017407715	1.073084497	0.795903887	1.693924551	1.261451	1.1314991	1.0959612	1.2153356	7.4292024
5503000000	2.460914245	0.366519143	1.692281618	0.908659565	0.252974903	1.392934949	1.2151058	1.1102812	1.0295531	1.1739423	7.0992208
5503000000	2.460914245	0.41887902	1.5326588	0.779815872	-0.446127628	1.169800541	1.1929794	1.0993932	0.9499344	1.1441686	6.810896
5503000000	2.460914245	0.471238898	1.479767836	0.642360278	-0.666827048	1.012780418	1.1857371	1.0767578	0.9261019	1.1236706	6.6735136
5503000000	2.460914245	0.523598776	1.371775066	0.347126484	-0.383489976	0.724939555	1.1710859	1.0407737	0.9568095	1.0873046	6.5888464
5503000000	2.460914245	0.575958653	1.134294844	-0.096365814	-0.250113954	0.613357839	1.1395011	0.9889668	0.9716146	1.0131363	6.2630363
5503000000	2.460914245	0.628318531	0.860448401	-0.419865322	-0.571776031	-0.871551083	1.1041356	0.9528109	0.9362918	0.9045289	5.795718
5503000000	2.460914245	0.680678408	0.718603243	-0.379660658	-0.897281293	-2.078260402	1.0862509	0.9572315	0.9018534	0.7872034	5.4194877
5503000000	2.460914245	0.733038286	0.752517432	-0.123244724	-0.503952015	-3.166425606	1.0905005	0.9859111	0.9436314	0.6945103	5.3775322
5503000000	2.460914245	0.785398163	0.820183581	0.019165484	0.378351977	-3.846896079	1.0990291	1.0022089	1.044522	0.6421777	5.5474656
5503000000	2.460914245	0.837758041	0.761357514	-0.091028785	1.030375109	-4.189732542	1.0916109	0.9895746	1.1259491	0.6173243	5.6308002
5503000000	2.460914245	0.890117919	0.55010744	-0.36894469	1.299393109	-4.428859328	1.065382	0.9584132	1.1613675	0.6005609	5.542378
5503000000	2.460914245	0.942477796	0.263436807	-0.68096454	1.53236192	-4.562662798	1.0307939	0.9245921	1.1929386	0.5913803	5.4361468
5503000000	2.460914245	0.994837674	-0.070891203	-0.998392568	2.001882863	-4.365851704	0.9918716	0.8914159	1.2591983	0.6049332	5.4540451
5503000000	2.460914245	1.047197551	-0.497199361	-1.354369424	4.91231244	-3.793643098	0.9443653	0.8556212	1.3327159	0.6461269	5.5253043
5503000000	2.460914245	1.099557429	-0.960251664	-1.706974064	2.623455669	-3.135392335	0.8953388	0.8215827	1.3526106	0.6969692	5.4982248
5503000000	2.460914245	1.151917306	-1.232791173	-1.929157297	2.259862938	-2.681114529	0.8676817	0.8008333	1.2971588	0.7344196	5.343654
5503000000	2.460914245	1.204277184	-1.123992283	-1.936186156	1.570202009	-2.502063943	0.8786186	0.8001855	1.1983978	0.749716	5.1701548
5503000000	2.460914245	1.256637061	-0.744143739	-1.781566579	0.950277339	-2.490423253	0.9178946	0.8145574	1.1098489	0.7507215	5.0858985
5503000000	2.460914245	1.308996939	-0.443379099	-1.606826552	0.382690443	-2.506857995	0.950235	0.8311103	1.0450439	0.7493024	5.0466102
5503000000	2.460914245	1.361356817	-0.483865114	-1.523102297	-0.292352426	-2.536049729	0.9458162	0.8391602	0.9669048	0.7467883	4.8574586
5503000000	2.460914245										

5503000000	2.513274123	-2.199114858	-11.95236299	-8.557399886	-4.809132516	-2.587304983	0.2525701	0.3733619	0.5748352	0.7423945	-0.250421
5503000000	2.513274123	-2.14675498	-12.23360723	-7.220111523	-4.766325611	-1.941814017	0.244523	0.4355063	0.5776734	0.7996672	0.2456476
5503000000	2.513274123	-0.294395102	-13.71944266	-5.793592379	-4.703550006	-1.448282182	0.2060762	0.5132399	0.5818654	0.8464199	0.6184736
5503000000	2.513274123	-0.042035225	-13.70480886	-4.790006649	-3.954021086	-1.099756887	0.2064237	0.5761024	0.6343062	0.8810735	1.2060445
5503000000	2.513274123	-1.989675347	-9.889740785	-4.441062626	-2.836124586	-0.837107364	0.3202676	0.5997154	0.7214293	0.9801229	2.1086202
5503000000	2.513274123	-1.93731547	-6.681067874	-4.729677545	-2.212153442	-0.630409483	0.4633889	0.5801717	0.7751617	0.9299927	2.7618271
5503000000	2.513274123	-1.884955592	-5.090906731	-5.372482378	-0.506114483	-0.506114483	0.5564885	0.5387359	0.7624431	0.9433965	2.9258546
5503000000	2.513274123	-1.832595715	-4.755776193	-5.741453921	-2.837419319	-0.501214232	0.5783772	0.5163299	0.7213218	0.9349289	2.7794941
5503000000	2.513274123	-1.780235837	-4.992025299	-5.314325892	-2.702649084	-0.607105551	0.5628579	0.5423551	0.7326011	0.9429122	2.8299523
5503000000	2.513274123	-1.72787596	-4.832032253	-4.380239294	-1.728360541	-0.767243928	0.5733217	0.603932	0.8195623	0.9154567	3.2640408
5503000000	2.513274123	-1.675516082	-3.87541605	-3.499056197	-0.78785068	-0.924957771	0.6400725	0.6684165	0.9132874	0.8989843	3.8646097
5503000000	2.513274123	-1.623156204	-2.655514718	-2.873177806	-0.414370809	-1.061453066	0.7365874	0.7183583	0.9534139	0.8849676	4.3320973
5503000000	2.513274123	-1.570796327	-1.583887394	-2.415136097	-0.521004102	-1.190964784	0.8333082	0.7572568	0.9417807	0.8718701	4.6197416
5503000000	2.513274123	-1.518436449	-0.656442156	-1.972242829	-1.715354814	-1.335934368	0.9272095	0.7968707	0.920942	0.8574391	4.866867
5503000000	2.513274123	-1.466076572	0.219368079	-1.500619129	-0.650016087	-1.500778078	1.0255773	0.8413352	0.9278958	0.8413198	5.1921834
5503000000	2.513274123	-1.413716694	1.021340288	-1.074204829	-0.362107154	-1.662188579	1.1247785	0.8836693	0.9591679	0.8258298	5.5600772
5503000000	2.513274123	-1.361356817	1.673975006	-0.755067068	-0.165556647	-1.791071365	1.2125475	0.916741	0.9811201	0.8136665	5.8541461
5503000000	2.513274123	-1.308996939	2.178932199	-0.516192554	-0.230680807	-1.866908642	1.2851287	0.9423026	0.9737996	0.8065932	6.0375731
5503000000	2.513274123	-1.256637061	2.625791296	-0.29979115	-0.214792372	-1.868982096	1.3529744	0.9660741	0.9530713	0.8530713	6.1894529
5503000000	2.513274123	-1.204277184	3.0837272072	-0.130015326	-0.438950794	-1.810933367	1.4262186	0.9851429	0.9507196	0.811808	6.3902183
5503000000	2.513274123	-1.151917306	3.516058642	-0.132720681	-0.192163193	-1.790685052	1.4990045	0.9848361	0.9781193	0.8137027	6.5994687
5503000000	2.513274123	-1.099557429	3.837263042	-0.430342823	0.134855259	-1.926504762	1.5554754	0.9516623	1.0156469	0.8010779	6.6968377
5503000000	2.513274123	-1.047197551	4.023016859	-0.1011840953	0.356745165	-2.200104803	1.5890986	0.8900368	1.0419269	0.7762378	6.6433136
5503000000	2.513274123	-0.994837674	4.125595746	-1.669407763	0.540318589	-2.372410252	1.6079768	0.8251437	1.0641821	0.7609099	6.5641121
5503000000	2.513274123	-0.942477796	4.173724567	-2.137069688	0.881015931	-2.194063064	1.6169114	0.7818195	1.1067532	0.7767779	6.130101
5503000000	2.513274123	-0.890117919	4.08852199	-2.4005556747	1.363976624	-1.781920045	1.6011282	0.758529	1.1700349	0.8145242	6.7376289
5503000000	2.513274123	-0.837758041	3.766814621	-2.639533602	1.749145473	-1.487243518	1.5429105	0.7379439	1.2230868	0.8426318	6.7423394
5503000000	2.513274123	-0.785398163	3.281500193	-2.779773179	1.88669365	-1.455969024	1.4590662	0.7261249	1.2426104	0.8456712	6.5950188
5503000000	2.513274123	-0.733038286	2.974801354	-2.426619884	1.901362979	-1.48211618	1.4084456	0.7562563	1.2447009	0.8431293	6.5523705
5503000000	2.513274123	-0.680678408	3.11087456	-1.534106325	2.060960509	-1.24378136	1.430684	0.8308978	1.2677921	0.8665845	6.8546862
5503000000	2.513274123	-0.628318531	3.427156073	-0.620398264	2.582772763	-1.751943312	1.48374	0.9310652	1.3162439	0.9170707	7.3249463
5503000000	2.513274123	-0.575958653	3.480259352	-0.114820302	2.82337034	-0.331129883	1.492839	0.9868678	1.3462225	0.9625948	7.5834336
5503000000	2.513274123	-0.523598776	3.140762825	-0.09894544	2.408893367	-0.197310846	1.4356155	0.9868731	1.3196072	0.9775398	7.4608815
5503000000	2.513274123	-0.471238898	2.658743431	-0.409140645	1.913880747	-0.286376157	1.358117	0.9539881	1.246505	0.970077	7.0988463
5503000000	2.513274123	-0.41887902	2.401963669	-0.767919037	1.389108905	-0.213517459	1.3185548	0.9153855	1.1734253	0.957558	6.8150745
5503000000	2.513274123	-0.366519143	2.401453785	-0.917112239	1.109070489	-0.168271015	1.3184774	0.8997967	1.1361967	1.0195618	6.7970403
5503000000	2.513274123	-0.314159265	2.367894976	-0.703469662	1.065494681	-0.715657447	1.3133932	0.922203	1.130531	1.0858826	6.9505222
5503000000	2.513274123	-0.261799388	2.112075951	-0.124106857	1.076244504	-1.163837752	1.2752749	0.9858133	1.1319109	1.1433834	7.1135932
5503000000	2.513274123	-0.20943951	1.684877503	0.644480429	0.109225818	-1.489210965	1.2140704	1.0770206	1.1258001	1.1780269	7.2419517
5503000000	2.513274123	-0.157079633	1.254309818	1.341102244	0.950454453	-1.856806265	1.1553551	1.1669577	1.1156365	1.2383412	7.3774297
5503000000	2.513274123	-0.104719755	0.950642931	1.761213945	0.949103046	-2.306353092	1.1556607	1.2247874	1.115463	1.3041203	7.5153963
5503000000	2.513274123	-0.052359878	0.834087757	1.809024528	1.010666753	-2.703079142	1.1007898	1.2315477	1.1352286	1.3537534	7.6427184
5503000000	2.513274123	-4.44E-16	0.959000729	1.507444225	1.327627502	-2.62302728	1.1167348	1.1895213	1.1651488	1.3525439	7.6474536
5503000000	2.513274123	0.052359878	1.349322747	1.1030839878	1.2309411407	-1.680627	1.1680627	1.1260093	1.1771121	1.3045796	7.5602566
5503000000	2.513274123	0.104719755	1.888785425	0.968105533	1.2434389608	-1.969249155	1.2429088	1.0825682	1.1540363	1.2544763	7.9439462
5503000000	2.513274123	0.157079633	2.348143806	0.689033312	0.971247793	-1.873011731	1.31041	1.0825592	1.1183105	1.2406537	7.516807
5503000000	2.513274123	0.20943951	2.546607173	0.888614671	0.90668929	-1.945702036	1.3406961	1.1077219	1.1100294	1.2510801	7.6214482
5503000000	2.513274123	0.261799388	2.45230198	1.006356355	1.021276112	-1.914695588	1.3262186	1.1228399	1.1247702	1.246622	7.6411528
5503000000	2.513274123	0.314159265	2.17991219	0.946155131	0.929915486	-1.673447871	1.2852737	1.1150844	1.1130016	1.2124739	7.4689685
5503000000	2.513274123	0.366519143	1.915085503	0.824599188	0.472311571	-1.352258122	1.2466779	1.095879	1.0504263	1.1684575	7.1685004
5503000000	2.513274123	0.41887902	1.778231959	0.753351824	-0.202093371	-1.114633305	1.2271894	1.0906053	0.9770017	1.1369246	6.9108483
5503000000	2.513274123	0.471238898	1.731971065	0.64545028	-0.392137195	-0.9068887	1.2206708	1.0771409	0.9558575	1.1100548	6.7765456
5503000000	2.513274123	0.523598776	1.652577755	0.332836614	-0.143086878	-0.485163388	1.2095641	1.0390629	0.9836615	1.0574459	6.6280081
5503000000	2.513274123	0.575958653	1.47590951	-0.166884271	-0.052338693	-0.362390237	1.1852105	0.9809701	0.9939867	0.9951367	6.2758768
5503000000	2.513274123	0.628318531	1.260465734	-0.555450765	-0.399439285	-1.67327579	1.1561742	0.9380532	0.9550542	0.8247764	5.7427225
5503000000	2.513274123	0.680678408	1.120215107	-0.545451615	-0.753219061	-3.222746061	1.1376555	0.9931337	0.916936	0.900216	5.3051955
5503000000	2.513274123	0.733038286	1.084376852	-0.274958833	-0.414669463	-4.511232371	1.1329711	0.96884	0.9533811	0.5948923	5.2254856
5503000000	2.513274123	0.785398163	1.04891831	-0.101783242	0.415191729	-5.183092918	1.1283554	0.9883502	1.0489616	0.5506116	5.3815658
5503000000	2.513274123	0.837758041	0.887286557	-0.187072523	1.043973621	-5.459064024	1.1075525	0.9786928	1.1277132	0.5333926	5.4538878
5503000000	2.513274123	0.890117919	0.569590693	-0.44778558	1.323634634	-5.608608658	1.0677745	0.9497531	1.1646133	0.5242876	5.3855124
5503000000	2.513274123	0.942477796	0.159620487	-0.730212849	1.609280274	-5.450719289	1.0185469	0.9193679	1.2035497	0.5339051	5.2854203
5503000000	2.513274123	0.994837674	-0.282242761	-0.980197733	2.16022952	-4.749126541	0.9680279	0.8932851	1.2838703	0.5788202	5.3996017
5503000000	2.513274123	1.047197551	-0.736220374	-1.228137739	1.762810089	-3.786809168	0.9187323	0.8681467	1.3753241	0.6466355	5.5952514
5503000000	2.513274123	1.099557429	-1.156013439	-1.460285579	3.015013876	-3.03860799	0.8753855	0.8452511	1.4149813	0.704806	5.6669831
5503000000	2.513274123	1.151917306	-1.449450388	-1.593461663	2.757968801	-2.708749719	0.8463601	0.8323901	1.3765704	0.7320867	5.5461167
5503000000	2.513274123	1.204277184	-1.541239375	-1.570069631	2.220345166	-2.707338764	0.8374098	0.8346349	1.2912706	0.7322056	5.3329132
5503000000	2.513274123	1.256637061	-1.466723104	-1.437476131	1.682661828	-2.779050078	0.8446248	0.8474736	1.2137887	0.7261854	5.1824904
5503000000	2.51										

5503000000	2.565634	-2.303834613	-11.78142627	-7.738313036	-6.127538112	-3.434128101	0.2575898	0.4102838	0.4938819	0.6734318	-0.746992
5503000000	2.565634	-2.251474735	-10.74254393	-8.014176998	-5.451212561	-2.677767835	0.2903172	0.3974579	0.5338747	0.7347027	-0.191658
5503000000	2.565634	-2.199114858	-10.59008793	-8.72301895	-4.991286261	-1.9905586	0.2954579	0.3662983	0.5629058	0.7951921	0.00858
5503000000	2.565634	-2.14675498	-12.00047038	-8.901657002	-4.859650298	-1.547418081	0.251175	0.3588535	0.5715016	0.8368143	0.0793058
5503000000	2.565634	-2.094395102	-13.77058517	-7.707726223	-4.697386191	-1.344015331	0.2048664	0.4117311	0.5822784	0.8566417	0.2378244
5503000000	2.565634	-2.042035225	-11.39759906	-6.139379998	-3.924954842	-1.256388901	0.2692279	0.493209	0.6364324	0.8653276	0.1076838
5503000000	2.565634	-1.989675347	-7.767828632	-5.132142021	-2.846247811	-1.185512151	0.408892	0.538509	0.720589	0.8724175	0.1297565
5503000000	2.565634	-1.93731547	-5.696011218	-4.792606667	-2.217236382	-1.14444407	0.5190383	0.57593	0.7747083	0.8765522	0.27541343
5503000000	2.565634	-1.884955592	-5.194612226	-4.787759535	-2.272286468	-1.203093605	0.5498819	0.5762514	0.7698138	0.8706534	0.2818391
5503000000	2.565634	-1.832595715	-5.770205989	-4.60083204	-2.62225706	-1.374199539	0.5146236	0.5887873	0.7394131	0.85367	0.25593892
5503000000	2.565634	-1.780235837	-6.144524907	-3.995409374	-2.453776965	-1.574079741	0.492917	0.6312909	0.7538955	0.8342496	0.2463242
5503000000	2.565634	-1.72787596	-5.018255287	-3.247013984	-1.568780254	-1.709604076	0.5611607	0.6880964	0.8347588	0.821334	0.32433688
5503000000	2.565634	-1.675516082	-3.252196576	-2.703707246	-0.697686855	-1.784980161	0.687668	0.7325118	0.9228172	0.8142373	0.39655857
5503000000	2.565634	-1.623156204	-1.859034353	-2.466569806	-0.327477752	-1.862096976	0.8073248	0.752786	0.9629996	0.8070402	0.42866774
5503000000	2.565634	-1.570796327	-0.895305949	-2.403956913	-0.395382107	-1.951704225	0.9020585	0.7582321	0.9555004	0.7987572	0.46460651
5503000000	2.565634	-1.518436449	-0.074968865	-2.289929328	-0.551521447	-1.997465829	0.991406	0.7682517	0.9384776	0.79456	0.4824613
5503000000	2.565634	-1.466076572	0.770513219	-2.013682765	-0.489892383	-1.938820055	1.0927622	0.7930779	0.9451601	0.7999429	0.519789
5503000000	2.565634	-1.413716694	1.555316505	-1.657071729	-0.274948905	-1.786673766	1.1960954	0.8263165	0.9718574	0.8140785	0.55941323
5503000000	2.565634	-1.361356817	2.142139495	-1.329713935	-0.097344208	-1.640171302	1.2796965	0.8583054	0.9888554	0.8279258	0.59213
5503000000	2.565634	-1.308996939	2.541364452	-1.032956836	-0.172838553	-1.586711774	1.3398872	0.8887857	0.9802979	0.8330372	0.61093876
5503000000	2.565634	-1.256637061	2.899843008	-0.718903476	-0.327126972	-1.601240301	1.3963431	0.9205658	0.9630385	0.831645	0.62596012
5503000000	2.565634	-1.204277184	3.328399042	-0.428758136	-0.286673775	-1.607409499	1.4696597	0.9518309	0.9675342	0.8310545	0.6480276
5503000000	2.565634	-1.151917306	3.769531012	-0.316627371	0.031145509	-1.631861047	1.5433931	0.9642033	1.0035922	0.8287183	0.67290085
5503000000	2.565634	-1.099557429	4.083308155	-0.533665531	0.42535956	-1.79426256	1.6001674	0.9404008	1.050212	0.8133676	0.6856637
5503000000	2.565634	-1.047197551	4.206725073	-1.100981567	0.700457939	-2.1162782	1.6230663	0.8809493	1.0839841	0.7840903	0.67931819
5503000000	2.565634	-0.994837674	4.192782635	-1.851621001	0.902827538	-2.364862708	1.620463	0.8808041	1.1095359	0.7616255	0.6480937
5503000000	2.565634	-0.942477796	4.112989471	-2.536846218	0.191893545	-2.266350478	1.6056448	0.7467198	1.1506578	0.77034	0.5947947
5503000000	2.565634	-0.890117919	3.940786901	-3.105456417	1.660688501	-1.900073539	1.5741255	0.6994025	1.2106941	0.8035193	0.6239717
5503000000	2.565634	-0.837758041	3.599347793	-3.695967765	0.204577775	-1.649267694	1.5134476	0.6534338	1.261894	0.8270592	0.65590951
5503000000	2.565634	-0.785398163	3.159760534	-4.144675625	2.155220317	-1.71349149	1.4387589	0.6205349	1.2816251	0.8209665	0.63652062
5503000000	2.565634	-0.733038286	2.924438904	-3.811853285	2.167503131	-1.891965091	1.4003028	0.6447737	1.2834388	0.8042698	0.63042564
5503000000	2.565634	-0.680678408	3.092815668	-2.621297973	2.285907049	-1.765555277	1.4277126	0.7394948	1.3010541	0.8160603	0.66170415
5503000000	2.565634	-0.628318531	3.397789245	-1.362715016	2.526271315	-1.245675032	1.478732	0.8548551	1.3375609	0.8663956	0.71158162
5503000000	2.565634	-0.575958653	3.437588659	-0.577726574	2.628719668	-0.688341986	1.4855232	0.9356505	1.3534306	0.8238105	0.74184272
5503000000	2.565634	-0.523598776	3.107533089	-0.341247983	2.358892927	-0.38481486	1.4301337	0.9614741	1.3161174	0.9566636	0.73552952
5503000000	2.565634	-0.471238898	2.658413633	-0.490922206	1.866122578	-0.308256945	1.3580654	0.9545048	1.2396701	0.965133	0.70589174
5503000000	2.565634	-0.41887902	2.431601278	-0.787039029	1.370523262	-0.194918453	1.3230616	0.9133727	1.1709171	0.9778091	0.68191101
5503000000	2.565634	-0.366519143	2.426011615	-0.992324547	1.144552738	-0.165031738	1.3222104	0.8920389	1.1408476	1.0191816	0.67975288
5503000000	2.565634	-0.314159265	2.351145358	-0.887077901	1.131962901	-0.1072209838	1.3108629	0.9029134	1.1391952	1.0804645	0.69142089
5503000000	2.565634	-0.261799388	2.036291479	-0.353379816	1.136987596	-0.108663066	1.2641965	0.9601321	1.1398544	1.1361434	0.70442804
5503000000	2.565634	-0.20943951	1.558348857	0.46387994	1.066638811	-1.44832668	1.1965131	1.054858	1.1306598	1.1814527	0.71653298
5503000000	2.565634	-0.157079633	1.117667106	1.244042034	0.96839314	-1.835274585	1.1373218	1.1159901	1.117943	1.2352752	0.73182358
5503000000	2.565634	-0.104719755	0.857446035	1.728239	0.958724733	-2.297135874	1.103754	1.2201464	1.1166993	1.3027371	0.75010795
5503000000	2.565634	-0.052359878	0.804307734	1.805525725	1.017188669	-2.628172245	1.0970221	1.2310517	1.1359506	1.3533453	0.76355995
5503000000	2.565634	-4.44E-16	0.959000934	1.570444713	1.327627298	-2.623026838	1.1167348	1.1895213	1.1651487	1.3524348	0.76474535
5503000000	2.565634	0.052359878	1.331250638	1.021421437	1.20188669	-2.307842548	1.1656349	1.124789	1.1771973	1.3043439	0.75533454
5503000000	2.565634	0.104719755	1.842733739	0.660162796	1.266390493	-1.968345336	1.2363365	1.0789669	1.1569631	1.2543459	0.74703998
5503000000	2.565634	0.157079633	2.301506973	0.626126799	1.036512281	-1.884037592	1.3033929	1.0747472	1.1267449	1.2422296	0.75079946
5503000000	2.565634	0.20943951	2.534674404	0.788146129	1.008780828	-1.970866014	1.3388555	1.0949828	1.1231439	1.2547098	0.76253567
5503000000	2.565634	0.261799388	2.503096506	0.888839761	1.136459581	-1.937877614	1.3339969	1.1077506	1.1397851	1.2499536	0.76610149
5503000000	2.565634	0.314159265	2.306695126	0.848851353	1.065304662	-1.675092828	1.3041717	1.1026624	1.1304895	1.2127035	0.75133218
5503000000	2.565634	0.366519143	2.107423712	0.777136539	1.324483598	-1.72489913	1.274592	1.0935958	1.074736	1.1647271	0.72489913
5503000000	2.565634	0.41887902	2.00855065	0.74852104	0.098438502	-1.049557364	1.2601653	1.0899899	1.0113976	1.1284384	0.70243274
5503000000	2.565634	0.471238898	1.984246609	0.641428136	0.018717355	-0.76168926	1.2566442	1.0766422	0.9978474	1.0916523	0.68933189
5503000000	2.565634	0.523598776	1.938506381	0.278553502	0.244561299	-0.172920263	1.2500441	1.0325894	1.0285563	1.0201077	0.67117603
5503000000	2.565634	0.575958653	1.816435666	-0.31971593	0.505353282	-0.946920568	1.2325989	0.9638605	1.0411823	0.989714	0.63075571
5503000000	2.565634	0.628318531	1.650411556	-0.831356781	0.056895828	-2.587878992	1.2092625	0.9087243	1.0065719	1.07423454	0.57266862
5503000000	2.565634	0.680678408	1.511217404	-0.904707592	-0.251547892	-4.311521811	1.1900381	0.9010826	0.9714548	0.6087289	0.52758081
5503000000	2.565634	0.733038286	1.414489133	-0.642164958	0.026076064	-5.339654062	1.1768591	0.9287349	1.003006	0.5407759	0.52237718
5503000000	2.565634	0.785398163	1.291250181	-0.432288322	0.762474037	-5.587349056	1.1602792	0.9514492	1.0872357	0.5255724	0.54008447
5503000000	2.565634	0.837758041	1.06134185	-0.470070342	1.240425159	-5.746411656	1.1299705	0.9473195	1.1535097	0.5160353	0.54526915
5503000000	2.565634	0.890117919	0.714407654	-0.679874224	1.422997093	-0.058421188	1.0857264	0.9247116	1.1780124	0.4978276	0.53111615
5503000000	2.565634	0.942477796	0.331449102	-0.893808754	1.627286733	-0.059016257	1.0367462	0.902214	1.2060473	0.4977935	0.52081089
5503000000	2.565634	0.994837674	-0.068436116	-1.044531959	1.525636175	-5.400836954	0.992152	0.8866932	1.2812439	0.5369801	0.5365516
5503000000	2.565634	1.047197551	-0.407243249	-1.175026924	2.765536295	-4.556121548	0.9541965	0.8734713	1.3749181	0.5918258	0.5622892
5503000000	2.565634	1.099557429	-0.743498148	-1.30673524	3.052009526	-0.096053236	0.9179628	0.8603264	1.4210209	0.6240183	0.56282323
5503000000	2.565634	1.151917306	-1.149665281	-1.387785684	2.856364076	-4.139262165	0.8760255	0.8523358	1.3893709	0.6209218	0.53470354
5503000000	2.565634	1.204277184	-1.639907861	-1.363430889	2.340662096	-4.381788667	0.8279509	0.854729	1.3092817	0.6038243	0.50952768
55030											

5503000000	2.617993878	-2.408554368	-12.16648945	-7.848058463	-7.483677206	-4.283794362	0.2464198	0.4051325	0.4224897	0.6106752	-1.49006
5503000000	2.617993878	-2.35619449	-11.93931334	-7.226834668	-6.984392787	-4.037881318	0.2529498	0.4351693	0.4474869	0.6282116	-1.091526
5503000000	2.617993878	-2.303834613	-10.28302011	-6.59578884	-6.371884976	-3.469171127	0.3060899	0.467962	0.4801819	0.6707203	-0.332193
5503000000	2.617993878	-2.251474735	-9.046627873	-6.515391567	-5.705282069	-2.718049391	0.3529138	0.4723136	0.5184846	0.7313033	0.3198261
5503000000	2.617993878	-2.199114858	-9.211958092	-7.373354074	-5.245693597	-2.179133226	0.3462598	0.4278902	0.5466575	0.7781142	0.4193248
5503000000	2.617993878	-2.14675498	-10.45733052	-8.76643631	-5.091320977	-2.041900471	0.3000084	0.3664488	0.55646	0.7905052	0.0496188
5503000000	2.617993878	-2.094395102	-10.46635097	-9.003718225	-4.879328567	-2.194574039	0.299697	0.3566615	0.5702083	0.7767322	0.0056041
5503000000	2.617993878	-2.042035225	-8.131852527	-7.592425383	-4.082541237	-2.378041962	0.3921095	0.4172331	0.6249898	0.7604977	0.8074182
5503000000	2.617993878	-1.989675347	-6.085705148	-6.198107177	-3.007934156	-2.451163577	0.4962663	0.4898856	0.7072994	0.7541224	1.7541152
5503000000	2.617993878	-1.93731547	-5.420994552	-5.470238533	-2.351666417	-2.494582323	0.5357353	0.5327066	0.7628105	0.7503621	2.217228
5503000000	2.617993878	-1.884955592	-6.194622534	-5.148128403	-2.323105683	-2.615125741	0.4900821	0.5528325	0.7653229	0.7400204	2.104268
5503000000	2.617993878	-1.832595715	-7.60109897	-4.731366217	-2.570965396	-2.754789533	0.4168166	0.5800049	0.7437924	0.7282165	1.8292255
5503000000	2.617993878	-1.780235837	-7.008125382	-4.019468876	-2.396068019	-2.740419878	0.4462659	0.6295447	0.7589211	0.7294222	2.1582819
5503000000	2.617993878	-1.72787596	-4.531640163	-3.272144192	-1.613173395	-2.538713048	0.5934963	0.6861085	0.8305032	0.7465594	3.0965935
5503000000	2.617993878	-1.675516082	-2.508925819	-2.792450583	-0.829103495	-2.328937295	0.749124	0.7250659	0.908601	0.7648093	3.9399821
5503000000	2.617993878	-1.623156204	-1.32488769	-2.650164744	-0.48534407	-2.250965645	0.8585303	0.7370412	0.9456552	0.7717057	4.3836514
5503000000	2.617993878	-1.570796327	-0.592040577	-2.676835564	-0.535290054	-2.243097683	0.9341099	0.7347815	0.940233	0.7724051	4.5616637
5503000000	2.617993878	-1.518436449	0.134674827	-2.592008487	-0.659200084	-2.172885616	1.0156258	0.7419926	0.9269152	0.7827187	4.7791091
5503000000	2.617993878	-1.466076572	0.971988601	-2.264430433	-0.759979727	-1.810138472	1.1184058	0.7705104	0.9354059	0.8118823	5.1923659
5503000000	2.617993878	-1.413716694	1.717007371	-1.822947861	-0.359820652	-1.399933329	1.2185697	0.8106859	0.9620572	0.8511446	5.6751812
5503000000	2.617993878	-1.361356817	2.20964314	-1.433591795	-0.167334552	-1.122394338	1.2896806	0.8478527	0.9809193	0.8787802	6.0145889
5503000000	2.617993878	-1.308996399	2.519501177	-1.119806461	-0.178429018	-1.112686693	1.3365188	0.8790421	0.9796672	0.8977629	6.1819331
5503000000	2.617993878	-1.256637061	2.858546906	-0.821726609	-0.219112722	-1.306073723	1.3897201	0.9097324	0.9750893	0.8603919	6.3087711
5503000000	2.617993878	-1.204277184	3.330684005	-0.552134168	-0.050784546	-1.522335979	1.4673516	0.9384114	0.9941703	0.8392343	6.5250118
5503000000	2.617993878	-1.151917306	3.806578238	-0.446755622	-0.194486595	-1.691448659	1.5499901	0.9498657	1.0427789	0.8230526	6.7804525
5503000000	2.617993878	-1.099557429	4.096691844	-0.657577454	0.813005561	-1.92685218	1.6026349	0.9270884	1.0981212	0.8014303	6.9060524
5503000000	2.617993878	-1.047197551	4.138728793	-1.218075541	-0.120101759	-2.28579141	1.6104099	0.869153	1.1365802	0.7866178	6.8183184
5503000000	2.617993878	-0.994837674	4.017459976	-1.982693471	1.310892729	-2.601229932	1.5888023	0.7959125	1.1629061	0.7412053	6.6247106
5503000000	2.617993878	-0.942477796	3.849525746	-2.732972391	1.596117565	-1.197761669	1.557673	0.7300479	1.2017272	0.7441173	6.5135256
5503000000	2.617993878	-0.890117919	3.64280711	-3.450747557	1.994968069	-2.229497721	1.521039	0.6721445	1.2581963	0.7736154	6.4995245
5503000000	2.617993878	-0.837758041	3.333139131	-4.325635474	3.20592862	-1.998796116	1.4677665	0.6077406	1.30626	0.7944383	6.3950371
5503000000	2.617993878	-0.785398163	2.98697903	-5.227932422	3.435615867	-2.13493724	1.4104216	0.5477765	1.3236733	0.7820835	6.1583776
5503000000	2.617993878	-0.733038286	2.858733472	-5.237841684	2.427276217	-2.459316276	1.38975	0.5471519	1.3217159	0.7534149	6.0466894
5503000000	2.617993878	-0.680678408	3.069166317	-3.928339092	2.47839619	-2.485846216	1.4238306	0.6365141	1.3302088	0.7534817	6.3278687
5503000000	2.617993878	-0.628318531	3.349531958	-2.331722597	2.622173513	-1.911399635	1.4705392	0.764564	1.3524109	0.8024722	6.8286636
5503000000	2.617993878	-0.575958653	3.357889777	-1.22292901	6.631545521	-1.19776826	1.4719548	0.88686675	1.3545896	0.8711872	7.1708774
5503000000	2.617993878	-0.523598776	3.030731091	-0.695934863	3.247466324	-0.695122926	1.417554	0.9230033	1.3103078	0.9230896	7.1852183
5503000000	2.617993878	-0.471238898	2.62357469	-0.600773721	1.840058324	-0.433981816	1.3526291	0.9331712	1.2395957	0.9512637	6.9914163
5503000000	2.617993878	-0.41887902	2.439656352	-0.748415236	1.401455261	-0.205295733	1.3242891	0.9174433	1.1750944	0.9764616	6.8355503
5503000000	2.617993878	-0.366519143	2.434789741	-0.951658288	1.226459254	-0.172387519	1.3235474	0.8962521	1.1516565	1.0200451	6.8316065
5503000000	2.617993878	-0.314159265	2.320072988	-0.958785843	1.222776423	0.646132597	1.3061819	0.8954899	1.1511683	1.0772255	6.9760332
5503000000	2.617993878	-0.261799388	1.949649672	-0.520336735	1.204404852	1.061324135	1.2516488	0.9418351	1.148736	1.1299682	6.9898362
5503000000	2.617993878	-0.20943951	1.42858905	0.30487498	1.103475456	1.409421114	1.178771	1.0357233	1.1354651	1.1761275	7.0939444
5503000000	2.617993878	-0.157079633	0.985836061	1.151707098	0.984637639	1.815947847	1.1201903	1.1417877	1.1200357	1.2325297	7.2619748
5503000000	2.617993878	-0.104719755	0.771095349	1.695256107	0.967267886	2.290027846	1.0928354	1.2155219	1.1177982	1.3016715	7.4726317
5503000000	2.617993878	-0.052359878	0.777336106	1.801272409	1.112529249	2.626024104	1.0936209	1.230449	1.1366492	1.3530106	7.6290342
5503000000	2.617993878	-4.44E-16	0.959000666	1.507443988	1.327627535	2.623026895	1.1167348	1.1895212	1.1651488	1.3525438	7.6474535
5503000000	2.617993878	0.052359878	1.312880519	1.013083556	1.41626965	2.307258548	1.1631722	1.1237098	1.1771003	1.4092563	7.5465597
5503000000	2.617993878	0.104719755	1.792465195	0.631563661	1.283621135	1.968952201	1.229202	1.0754202	1.1592605	1.2544334	7.4551408
5503000000	2.617993878	0.157079633	2.2421079	0.561931623	1.090197268	1.897517008	1.29451	1.0668333	1.1337306	1.2441589	7.4935609
5503000000	2.617993878	0.20943951	2.500139185	0.690675933	1.091378495	2.00295165	1.3335428	1.082764	1.1338848	1.2593353	7.6214797
5503000000	2.617993878	0.261799388	2.522653816	0.788162357	1.230038459	1.973948169	1.373004	1.0949849	1.1521312	1.2551551	7.6750063
5503000000	2.617993878	0.314159265	2.397292259	0.783217053	1.182432158	1.688783238	1.3178458	1.0943616	1.1458337	1.2146165	7.5546508
5503000000	2.617993878	0.366519143	2.265812077	0.759773423	1.293648127	1.293648127	1.2980476	1.0914119	1.0978231	1.1605996	7.3245022
5503000000	2.617993878	0.41887902	2.214053371	0.74967367	0.388892076	0.958038846	1.2903356	1.0901439	1.0457903	1.1166111	7.1260277
5503000000	2.617993878	0.471238898	2.18766009	0.608934709	0.358429917	0.574862548	1.291035	1.0776221	1.042129	1.0684228	6.9937251
5503000000	2.617993878	0.523598776	2.201277631	0.158971918	0.665994564	-0.178728401	1.2884391	1.0184708	1.0796916	0.9796334	6.781542
5503000000	2.617993878	0.575958653	2.114860835	-0.583098293	0.830371839	-1.539434059	1.2756838	0.9350721	1.1003189	0.8375839	6.3375542
5503000000	2.617993878	0.628318531	1.976459635	-1.273223095	0.651750644	-3.370215997	1.2555181	0.8636521	1.0779225	0.6784052	5.7459504
5503000000	2.617993878	0.680678408	1.829286347	-1.464568134	0.467367458	-4.823626204	1.2344239	0.8448344	1.0552816	0.5738745	5.3631652
5503000000	2.617993878	0.730308286	1.682252284	-1.196736581	0.748300208	-0.074833625	1.2137035	0.8712909	1.0899712	0.5575173	5.4193655
5503000000	2.617993878	0.785398163	1.50071971	-0.90718578	1.373943914	-4.87430437	1.1886007	0.9008256	1.1665334	0.5705383	5.6354299
5503000000	2.617993878	0.837758041	1.26091966	-0.845607644	1.721891742	-5.185848952	1.1562336	0.9072346	1.2192551	0.5504369	5.6505397
5503000000	2.617993878	0.890117919	0.992590711	-0.952663512	1.75993247	-0.087020151	1.1210618	0.8966123	1.2246067	0.4949191	5.4321417
5503000000	2.617993878	0.942477796	0.758072058	-1.054673503	1.779618858	-6.823324679	1.0911981	0.8856586	1.2273854	0.5458624	5.2492696
5503000000	2.617993878	0.994837674	0.588666016	-1.080650245	1.225491017	-6.624745134	1.070122	0.8803018	1.2771137	0.4664045	5.3355761
5503000000	2.617993878	1.047197551	0.432072676	-1.090085036	1.619906152	-6.051906939	1.0510022	0.8820552	1.352058	0.4982011	5.3368534
5503000000	2.617993878	1.									

5503000000	2.670353756	-2.513274123	-12.54299266	-11.12889379	-9.539146051	-4.531800364	0.2359665	0.2776868	0.3334592	0.5934853	-2.849745
5503000000	2.670353756	-2.460914245	-12.41922368	-9.464979753	-8.222025648	-4.307132561	0.239353	0.3363187	0.3880599	0.6090366	-2.087306
5503000000	2.670353756	-2.408554368	-12.32934077	-8.888910396	-7.496779875	-4.442386996	0.2418427	0.3593805	0.4218529	0.5996263	-1.815823
5503000000	2.670353756	-2.35619449	-10.98141356	-7.9876302	-7.078119852	-4.485819678	0.282442	0.3986745	0.4426842	0.5966354	-1.307829
5503000000	2.670353756	-2.303834613	-9.227925098	-6.593652136	-5.541646751	-4.025750834	0.3456239	0.4860771	0.470888	0.6290895	-0.38322
5503000000	2.670353756	-2.251474735	-8.43686081	-5.716506265	-5.898737616	-3.360441342	0.3785794	0.5178151	0.5070644	0.6791691	0.351634
5503000000	2.670353756	-2.199114858	-8.823812129	-5.890746238	-5.420817284	-3.046576913	0.362084	0.5075311	0.5357462	0.7011597	0.4630776
5503000000	2.670353756	-2.14675498	-9.2752678	-6.98259	-5.222738087	-3.25845778	0.3437452	0.4457598	0.5481042	0.6871904	0.1148448
5503000000	2.670353756	-2.094395102	-8.065581867	-8.05290663	-4.984719387	-3.721811236	0.3951126	0.3957177	0.5633315	0.5614925	0.0245218
5503000000	2.670353756	-2.042035225	-6.251210062	-7.89538994	-4.232517137	-3.978783804	0.4868997	0.4029308	0.6142907	0.6325004	0.5739523
5503000000	2.670353756	-1.989675347	-5.421310233	-7.052112176	-3.217079176	-3.919420961	0.5357158	0.4440117	0.690472	0.636838	1.2404299
5503000000	2.670353756	-1.93731547	-6.092456296	-6.527536054	-2.566416988	-3.807991122	0.4958807	0.4716536	0.744182	0.6450605	1.4257692
5503000000	2.670353756	-1.884955592	-8.273057353	-6.365696058	-2.487496648	-3.765350514	0.3857866	0.4805241	0.7509745	0.648235	1.0827588
5503000000	2.670353756	-1.832595715	-9.586588955	-6.071455146	-2.679400946	-3.604385077	0.3316428	0.4970811	0.7345645	0.66036	0.9207224
5503000000	2.670353756	-1.780235837	-6.741130928	-5.371982643	-2.539462333	-3.137774932	0.4601967	0.5387669	0.746495	0.696805	1.7352503
5503000000	2.670353756	-1.72787596	-3.781614383	-4.567229688	-1.870570618	-2.520694445	0.6470223	0.5910695	0.8062532	0.7481097	2.8991229
5503000000	2.670353756	-1.675516082	-2.096773934	-4.024385415	-1.162893853	-2.064306072	0.7855273	0.6291884	0.8746923	0.7884691	3.7444259
5503000000	2.670353756	-1.623156204	-1.308092731	-3.801717917	-0.824213126	-1.877386882	0.8601919	0.6455265	0.909472	0.8056208	4.1387056
5503000000	2.670353756	-1.570796327	-0.792114883	-3.647643728	-0.834767417	-1.809266926	0.9128391	0.6570793	0.9083676	0.8119638	4.3239776
5503000000	2.670353756	-1.518436449	-0.064778488	-3.219117423	-0.914106139	-1.619408144	0.9925698	0.6903099	0.9001081	0.8299073	4.6418953
5503000000	2.670353756	-1.466076572	0.817187989	-2.476253107	-0.810605765	-1.224525625	1.0986501	0.7519472	0.9108979	0.8687148	5.1780352
5503000000	2.670353756	-1.413716694	1.523376643	-1.700233187	-0.543621337	-0.786092454	1.1917052	0.8222206	0.9393316	0.9134723	5.7262763
5503000000	2.670353756	-1.361356817	1.935372701	-1.121319895	-0.306736974	-0.572392491	1.2495931	0.877889	0.9653019	0.9362253	6.0855211
5503000000	2.670353756	-1.308996939	2.225737499	-0.767203795	-0.176063288	-0.721262717	1.2920725	0.9154609	0.979934	0.9203158	6.2515504
5503000000	2.670353756	-1.256637061	2.64854978	-0.557599465	-0.021827229	-1.150008145	1.356524	0.9378212	0.9974902	0.9759909	6.3775923
5503000000	2.670353756	-1.204277184	3.226731071	-0.453406301	0.320925531	-1.616742403	1.449895	0.9491387	1.037639	0.8301621	6.5815165
5503000000	2.670353756	-1.151917306	3.735270604	-0.529122343	1.297693056	-1.964506988	1.5373174	0.9409309	1.0999913	0.7957807	6.8005301
5503000000	2.670353756	-1.099557429	3.976151627	-0.902353315	1.297693056	-2.2878937	1.5805476	0.9013269	1.1611402	0.7692376	6.8726069
5503000000	2.670353756	-1.047197551	3.932495734	-1.592701667	1.586643362	-2.68054402	1.5726236	0.8324663	1.2004171	0.7344679	6.7291376
5503000000	2.670353756	-0.994837674	3.740614623	-2.427553725	1.765175353	-3.043149307	1.5382635	0.756175	1.2253461	0.7044376	6.4943353
5503000000	2.670353756	-0.942477796	3.550258244	-3.149404527	2.018009075	-3.053117035	1.5049183	0.6958727	1.2615383	0.7036297	6.3736998
5503000000	2.670353756	-0.890117919	3.375133884	-3.760884895	2.370054569	-2.714660223	1.47488	0.6485684	1.3137197	0.7315887	6.3795313
5503000000	2.670353756	-0.837758041	3.147406494	-4.565717199	2.644660827	-2.464598238	1.436714	0.5911728	1.3559168	0.7529568	6.3126074
5503000000	2.670353756	-0.785398163	2.922241518	-5.633472997	2.713278871	-2.628377243	1.3999486	0.5227965	1.3666709	0.7388923	6.0818539
5503000000	2.670353756	-0.733038286	2.895048463	-6.143128078	2.642787457	-3.067118042	1.3955726	0.4929962	1.3563269	0.7204964	5.9056054
5503000000	2.670353756	-0.680678408	3.113174764	-5.123851985	-2.621435617	-3.197113423	1.431063	0.5543798	1.3522961	0.6920609	6.0850694
5503000000	2.670353756	-0.628318531	3.328606502	-3.401839642	2.665944709	-2.643854911	1.4670007	0.6759398	1.3592434	0.7317568	6.5262227
5503000000	2.670353756	-0.575958653	3.275815345	-2.008472903	2.606091687	-1.78609626	1.4581116	0.7935538	1.3499093	0.8141327	6.8794057
5503000000	2.670353756	-0.523598776	2.941155011	-1.162653559	2.302628824	-1.085235028	1.4030003	0.8471765	1.3035612	0.8825478	6.9735449
5503000000	2.670353756	-0.471238898	2.581171738	-0.764882346	1.843987154	-0.622606099	1.3460419	0.9157056	1.2365149	0.9308285	6.9056922
5503000000	2.670353756	-0.41887902	2.445124028	-0.693327429	1.479022411	-0.24310627	1.325123	0.9232804	1.1856353	0.9273994	6.8611537
5503000000	2.670353756	-0.366519143	2.439084688	-0.828202885	1.341846188	0.186162976	1.324202	0.9400205	1.1670576	1.0721661	6.8917319
5503000000	2.670353756	-0.314159265	2.282062304	-0.923305916	1.324767056	0.636486972	1.3004783	0.8991553	1.1647651	1.0760299	6.927898
5503000000	2.670353756	-0.261799388	1.858396771	-0.614083314	1.269655832	0.123303439	1.238568	0.9317423	1.1573982	1.1250328	6.9519492
5503000000	2.670353756	-0.20943951	1.301393146	1.075360044	1.135132029	1.373896303	1.1616349	1.0203942	1.1396109	1.1713719	7.0301517
5503000000	2.670353756	-0.157079633	0.86317857	1.067164626	0.997297241	1.79948721	1.1044827	1.1307282	1.1216694	1.2301961	7.2101197
5503000000	2.670353756	-0.104719755	0.69354764	1.663072561	0.974223706	2.285233444	1.083122	1.2110264	1.1186937	1.3009532	7.4468145
5503000000	2.670353756	-0.052359878	0.753534986	1.79636547	1.117628319	2.624385156	1.0906283	1.2297541	1.1373167	1.3527553	7.6231221
5503000000	2.670353756	-4.44E-16	0.959000788	1.507444349	1.372627313	2.623026986	1.1167348	1.1895213	1.1651487	1.3525438	7.6474536
5503000000	2.670353756	0.052359878	1.294466854	1.005910983	1.41711326	2.307634339	1.160709	1.1227823	1.176816	1.3043127	7.5399654
5503000000	2.670353756	0.104719755	1.738762208	0.603900609	1.295706935	1.970702619	1.2216256	1.0720006	1.1608747	1.2546862	7.438319
5503000000	2.670353756	0.157079633	2.170983356	0.498336294	1.311193285	1.911997655	1.2839531	1.0590509	1.1390943	1.2462348	7.4735613
5503000000	2.670353756	0.20943951	2.444063857	0.599570261	1.5122121304	2.038495906	1.3249613	1.0714663	1.1418421	1.2645174	7.6092668
5503000000	2.670353756	0.261799388	2.511969542	0.707426495	1.295532337	2.016525038	1.3353604	1.0848541	1.1608514	1.2613228	7.6805929
5503000000	2.670353756	0.314159265	2.451865721	0.74765058	1.266666543	1.70501203	1.3261519	1.0898897	1.1569999	1.2166888	7.5859825
5503000000	2.670353756	0.366519143	2.38726158	0.763042283	0.955646696	1.24939717	1.3163248	1.0918227	1.1159076	1.1547018	7.3820098
5503000000	2.670353756	0.41887902	2.385505273	0.742226598	1.031295727	0.837514707	1.3160587	1.0892093	1.0739023	1.1012242	7.1974578
5503000000	2.670353756	0.471238898	2.418325782	0.532639611	0.662693076	0.368914777	1.321041	1.0632416	1.0792813	1.0433878	7.0570581
5503000000	2.670353756	0.523598776	2.41555981	-0.039226711	1.017444039	-0.496201658	1.3206204	0.995494	1.1242741	0.9444738	6.8185193
5503000000	2.670353756	0.575958653	2.338293128	-0.964680672	1.253139809	-1.975395993	1.3089247	0.8948824	1.1551995	0.7956815	6.3520499
5503000000	2.670353756	0.628318531	2.199929397	-1.874847049	1.208158252	-3.729138046	1.2882391	0.8058654	1.1492325	0.6509432	5.7879239
5503000000	2.670353756	0.680678408	2.033413451	-2.18666071	1.177040731	-4.576729592	1.2637777	0.7774401	1.1451227	0.5904233	5.5217968
5503000000	2.670353756	0.73038286	1.849699558	-1.855027959	1.512262316	-4.208582517	1.2373284	0.8076972	1.1901813	0.615986	5.6913057
5503000000	2.670353756	0.785398163	1.644448671	-1.410366974	2.046323945	-3.951130413	1.2084326	0.8501228	1.2656575	0.6345173	5.9305182
5503000000	2.670353756	0.837758041	1.445232615	-1.187090368	2.34473911	-4.631856655	1.1810319	0.872259	1.3098964	0.5866879	5.9110678
5503000000	2.670353756	0.890117919	1.318108512	-1.149029465	2.280711523	-6.138749946	1.1638726	0.8760898	1.3002761	0.4887205	5.6389197
5503000000	2.670353756	0.942477796	1.302100609	-1.12066895	2.145995335	-7.682032055	1.1617295	0.8789549	1.2802647	0.4129509	5.4226538
5503000000	2.670353756	0.994837674</									

5503000000	2.722713633	-2.617993878	-15.01341732	-21.41063112	-10.80160543	-5.098682016	0.1775535	0.0850097	0.2883498	0.5559886	-5.138419
5503000000	2.722713633	-2.565634	-13.89437408	-15.41034716	-10.78098537	-4.713225212	0.2019674	0.1696222	0.2890352	0.5812176	-4.13927
5503000000	2.722713633	-2.51374123	-13.25266259	-11.93437671	-9.571075812	-4.357533536	0.2174537	0.2530936	0.3322356	0.6055128	-3.046722
5503000000	2.722713633	-2.460914245	-12.72240817	-10.93610924	-8.256350015	-4.117752733	0.2311424	0.2839191	0.3865294	0.6013293	-2.481882
5503000000	2.722713633	-2.408554368	-11.61018385	-11.32703624	-7.542161473	-4.905156975	0.2627186	0.271424	0.4196545	0.5685153	-2.370524
5503000000	2.722713633	-2.35619449	-10.02670142	-10.44947326	-7.192409986	-5.248753772	0.3152571	0.30028	0.4368974	0.5464649	-1.944177
5503000000	2.722713633	-2.303834613	-8.903616606	-7.796186993	-6.712310093	-4.920987427	0.3587725	0.4075592	0.4617262	0.5674801	-0.936708
5503000000	2.722713633	-2.251474735	-8.757648434	-5.769651595	-6.015761265	-4.367806678	0.3648527	0.5146565	0.5002786	0.6047971	-0.067207
5503000000	2.722713633	-2.199114858	-9.182925495	-5.019979118	-5.394663328	-4.268019006	0.3474191	0.5610493	0.5373619	0.6117853	0.2466851
5503000000	2.722713633	-2.14675498	-8.66111556	-5.316591566	-5.044258194	-4.694008711	0.3689302	0.5422136	0.5594833	0.5825049	0.2277373
5503000000	2.722713633	-2.094395102	-6.983615975	-6.090021025	-4.766079221	-5.073735919	0.447527	0.4960197	0.5776916	0.5575877	0.3357628
5503000000	2.722713633	-2.042035225	-5.792821701	-6.636865585	-4.158499363	-4.843395559	0.5132854	0.4657541	0.6195481	0.5752722	0.7132359
5503000000	2.722713633	-1.989675347	-5.993966148	-6.833242408	-3.320628579	-4.298491503	0.5015355	0.4553422	0.6822893	0.6096428	1.0184545
5503000000	2.722713633	-1.93731547	-7.94390114	-7.136747583	-2.747632075	-3.929255098	0.4006867	0.4397062	0.7288168	0.6361174	0.8488605
5503000000	2.722713633	-1.884955592	-10.83538725	-7.662066196	-2.653376664	-3.721028186	0.2872306	0.4139012	0.7367687	0.6515513	0.3800469
5503000000	2.722713633	-1.832595715	-9.16036478	-7.856399601	-2.808195325	-3.338464469	0.3483227	0.4047436	0.7237528	0.6808897	0.6592567
5503000000	2.722713633	-1.780235837	-5.413911549	-7.26270024	-2.711438963	-2.635131691	0.5361724	0.4333761	0.7318601	0.7383179	1.7262229
5503000000	2.722713633	-1.72787596	-3.122493104	-6.340240861	-2.149684441	-1.871319267	0.698032	0.4819344	0.7807568	0.8061837	2.8192913
5503000000	2.722713633	-1.675516082	-2.086523366	-5.671475079	-1.489736418	-1.355733437	0.7864549	0.5205066	0.84239	0.8554868	3.5358222
5503000000	2.722713633	-1.623156204	-1.706698898	-5.316854053	-1.104048025	-1.15176373	0.8215832	0.5421972	0.8806384	0.8758139	3.8631397
5503000000	2.722713633	-1.570932877	-1.261610233	-4.884926078	-1.013287591	-1.092185981	0.8648076	0.569841	0.8898886	0.8818418	4.0996973
5503000000	2.722713633	-1.518436449	-0.393026495	-3.9690314	-1.001846373	-0.949335921	0.9557596	0.633211	0.8910615	0.8964647	4.5487269
5503000000	2.722713633	-1.466076572	0.562674983	-2.713523514	-0.861245693	-0.805053224	1.0669247	0.7316844	0.9056027	0.9278918	5.1825647
5503000000	2.722713633	-1.413716694	1.228699909	-1.567542519	-0.577584866	-0.351593289	1.1519536	0.8348777	0.9356658	0.9603296	5.7623604
5503000000	2.722713633	-1.361356817	1.612052234	-0.777254141	-0.277483343	-0.297483343	1.2039338	0.9144003	0.9690177	0.9663308	6.1363993
5503000000	2.722713633	-1.308996939	1.991713528	-0.348157314	0.002672834	-0.622109649	1.257725	0.9607096	1.0003078	0.9308818	6.3395752
5503000000	2.722713633	-1.256637061	2.57820564	-0.187724251	0.336428151	-0.245322199	1.3455824	0.9876193	1.0394926	0.8664308	6.5064645
5503000000	2.722713633	-1.204277184	3.251696501	-0.23612109	0.806901893	-1.905942239	1.4540684	0.9731817	1.0973498	0.8029766	6.7042952
5503000000	2.722713633	-1.151917306	3.739219461	-0.533776589	1.346258095	-2.396435298	1.5380164	0.9430969	1.1675606	0.758889	6.8582253
5503000000	2.722713633	-1.099557429	3.899090503	-1.176856915	1.787532198	-2.781416853	1.566587	0.8732873	1.2285041	0.7259875	6.8372345
5503000000	2.722713633	-1.047197551	3.788579064	-1.276953081	2.038902473	-2.23519619	1.5467814	0.7783095	1.2645765	0.6896602	6.6075199
5503000000	2.722713633	-0.994837674	3.589828163	-3.292995368	2.198281739	-3.640819405	1.5117898	0.6844634	1.2871853	0.6575958	6.3215767
5503000000	2.722713633	-0.942477796	3.448268892	-4.071374672	2.421489496	-3.689288088	1.4873509	0.6257938	1.3215222	0.6539365	6.2109
5503000000	2.722713633	-0.890117919	3.347118267	-4.10078697	2.729779046	-3.313262028	1.4701306	0.6018608	1.3692696	0.6826682	6.2860453
5503000000	2.722713633	-0.837758041	3.208117043	-4.775853522	2.94312905	-2.983974798	1.4467912	0.5770419	1.4033192	0.7092531	6.3118619
5503000000	2.722713633	-0.785398163	3.076364154	-5.495451156	2.945843553	-3.101517753	1.425011	0.5311625	1.4037578	0.6997197	6.1491741
5503000000	2.722713633	-0.733038286	3.091418091	-6.146889101	2.697970111	-3.577014901	1.4274829	0.4927828	1.3816516	0.6624441	5.9428649
5503000000	2.722713633	-0.680678408	3.2528409	-5.732884639	2.830893032	-3.802930302	1.45426	0.5168396	1.3636189	0.6454364	5.9773996
5503000000	2.722713633	-0.628318531	3.355338532	-4.311099875	2.649081953	-3.280060802	1.4715226	0.6087585	1.3566071	0.6854834	6.2823428
5503000000	2.722713633	-0.575958653	3.214224815	-2.826427376	2.540791938	-2.342284915	1.4478089	0.7222352	1.3397988	0.7636349	6.5950291
5503000000	2.722713633	-0.523598776	2.865365583	-1.706684057	2.258277478	-1.492780011	1.3908115	0.8216102	1.296922	0.8420948	6.7520572
5503000000	2.722713633	-0.471238898	2.555818648	-0.986895519	1.877967437	-0.844949672	1.3421187	0.8925966	1.2413618	0.9707304	6.8155834
5503000000	2.722713633	-0.41887902	2.464738346	-0.649766409	1.589439325	-0.300227491	1.3281188	0.9279224	1.2008036	0.9660256	6.8934843
5503000000	2.722713633	-0.366519143	2.448894441	-0.65764927	1.470901445	-0.204418425	1.3256984	0.9270807	1.1845273	1.0238137	6.9682782
5503000000	2.722713633	-0.314159265	2.244281952	-0.798720564	1.422149486	0.641409587	1.294834	0.9121452	1.1778974	1.0766399	6.9690503
5503000000	2.722713633	-0.261799388	1.769222266	-0.631349771	1.323443753	0.995112124	1.2259171	0.9298592	1.1645877	1.1213872	6.9305489
5503000000	2.722713633	-0.20943951	1.183123914	0.08152119	1.157121118	1.342867887	1.145925	1.0094297	1.1424996	1.1671949	6.975925
5503000000	2.722713633	-0.157079633	0.754246458	0.993223722	1.004612131	1.786527252	1.0907176	1.1211435	1.1226144	1.228362	7.1641
5503000000	2.722713633	-0.104719755	0.626667059	1.632462375	0.979128275	2.28293463	1.0748141	1.2067661	1.1193255	1.3006089	7.4241561
5503000000	2.722713633	-0.052359878	0.7332261	1.790905461	1.122432082	2.623282082	1.0880812	1.2289813	1.1379459	1.3525836	7.617952
5503000000	2.722713633	-4.44E-16	0.959000872	1.507444561	1.327627525	2.623026902	1.1167348	1.1895213	1.1651488	1.3525438	7.6474537
5503000000	2.722713633	0.052359878	1.27627835	0.999988341	1.410671739	2.308940926	1.158281	1.1220169	1.176342	1.3045089	7.5336351
5503000000	2.722713633	0.104719755	1.682572927	0.577798192	1.302414596	1.97321673	1.2137483	1.0687839	1.1617715	1.2550494	7.4201619
5503000000	2.722713633	0.157079633	2.089579598	0.437168747	1.158941551	1.925861872	1.2719762	1.05619	1.142739	1.2482256	7.4482232
5503000000	2.722713633	0.20943951	2.368091891	0.517498913	1.189833541	2.073564543	1.3134229	1.0613899	1.1468105	1.2696462	7.5884122
5503000000	2.722713633	0.261799388	2.472611231	0.647607827	1.329841904	2.059319256	1.3293231	1.0774085	1.1654458	1.2675525	7.6758277
5503000000	2.722713633	0.314159265	2.470887768	0.737518051	1.310676191	1.716819886	1.3290594	1.088619	1.1628771	1.2185434	7.602594
5503000000	2.722713633	0.366519143	2.468736311	0.776711262	1.037536897	1.189065496	1.3287302	1.0935422	1.1268779	1.1467091	7.4137019
5503000000	2.722713633	0.41887902	2.513813562	0.71551126	0.764703227	0.699401364	1.3356439	1.0858643	1.0920315	1.0838522	7.2296306
5503000000	2.722713633	0.471238898	2.567736475	0.406099261	0.852699261	0.185674673	1.3439615	1.0478641	1.1031505	1.0216067	7.0755996
5503000000	2.722713633	0.523598776	2.562851863	-0.314240693	1.236481336	-0.685265443	1.3432059	0.9644683	1.1529861	0.9241378	6.8183921
5503000000	2.722713633	0.575958653	2.468689551	-1.447221692	1.531961665	-2.094628732	1.3287231	0.8465233	1.1928836	0.7857214	6.3484192
5503000000	2.722713633	0.628318531	2.306486847	-2.590371365	1.605871386	-3.559513507	1.3041404	0.7421325	1.2030774	0.6637802	5.8298667
5503000000	2.722713633	0.680678408	2.115827539	-2.976544446	1.711263233	-3.953072493	1.2758258	0.7098601	1.2177641	0.6343755	5.6611045
5503000000	2.722713633	0.733038286	1.918092476	-2.480698858	2.100445054	-3.462847721	1.2471096	0.7515262	1.2742429	0.6712088	5.8984106
5503000000	2.722713633	0.785398163	1.727875118	-1.804961135	2.610041777	-3.425490297	1.2200953	0.8123664	1.3505191	0.6741018	6.1436771
5503000000	2.722713633	0.837758041	1.596228536	-1.389399299	2.856315432	-4.54005831	1.2017425	0.8521774	1.3893631	0.5929213	6.0988632
5503000000	2.722713633	0.8901179									

5503000000	2.775073511	-2.722713633	-19.96030392	-17.83090793	-9.229803073	-5.212766236	0.1004581	0.1283674	0.3455492	0.5487338	-5.012167
5503000000	2.775073511	-2.670353756	-16.72295953	-20.786274	-9.955580355	-4.839283891	0.1458317	0.0913453	0.3178491	0.5728433	-4.975424
5503000000	2.775073511	-2.617993878	-14.9977481	-18.73396636	-10.56241488	-4.781121217	0.1778741	0.1156916	0.2964007	0.576692	-4.681726
5503000000	2.775073511	-2.565634	-14.20654375	-14.3830461	-10.63280869	-4.627703313	0.1948376	0.1909184	0.2940083	0.5869686	-3.966899
5503000000	2.775073511	-2.513274123	-13.31798437	-11.7981061	-9.683102623	-4.472388042	0.2158245	0.2570956	0.3279781	0.5975587	-3.107618
5503000000	2.775073511	-2.460914245	-11.85746216	-11.51277241	-8.468279947	-4.747084717	0.2535447	0.2656815	0.3772124	0.5789563	-2.631843
5503000000	2.775073511	-2.408554368	-10.25964829	-13.63462872	-7.762742017	-5.491685825	0.3069146	0.2080983	0.4091315	0.5313929	-2.760133
5503000000	2.775073511	-2.35619449	-9.147370263	-14.59395574	-7.459727353	-6.033767475	0.3488442	0.1863383	0.4236563	0.4992426	-2.744965
5503000000	2.775073511	-2.30384613	-8.842787847	-10.01466239	-6.997450952	-5.760673979	0.3612939	0.3156944	0.4468147	0.5151887	-1.729065
5503000000	2.775073511	-2.251474735	-9.204584696	-6.532649398	-6.149184586	-5.247346963	0.3465539	0.4713761	0.4926526	0.5456535	-0.643726
5503000000	2.775073511	-2.199114858	-9.2640554	-4.851396711	-5.264238089	-5.17970065	0.3441892	0.5720405	0.5454916	0.5508267	0.0543443
5503000000	2.775073511	-2.14675498	-8.119939807	-4.40815281	-4.680438799	-5.38972871	0.3926477	0.6019943	0.5834156	0.5376672	0.4885836
5503000000	2.775073511	-2.094395102	-6.785510781	-4.693433289	-4.331547637	-5.117653382	0.4578513	0.5825435	0.607327	0.5547756	0.8377081
5503000000	2.775073511	-2.042035225	-6.47038762	-5.289324191	-3.87732595	-4.250618495	0.4747671	0.5439184	0.6399318	0.6130121	1.1061501
5503000000	2.775073511	-1.989675347	-7.671605364	-6.051888284	-3.252302496	-3.478954784	0.4134469	0.4982021	0.6876776	0.6699652	1.0972072
5503000000	2.775073511	-1.93731547	-10.03927046	-7.092568933	-2.774346626	-3.139103024	0.3148013	0.4419484	0.7265787	0.6966985	0.7486368
5503000000	2.775073511	-1.884955592	-9.760187223	-8.284363699	-2.639659994	-3.008840767	0.3250803	0.3852487	0.7379331	0.7072256	0.6504563
5503000000	2.775073511	-1.832595715	-6.387829512	-8.773212625	-2.692962442	-2.664462366	0.4793012	0.3641995	0.7334185	0.735829	1.2619672
5503000000	2.775073511	-1.780235837	-3.877112911	-8.00184375	-2.562364118	-1.983631962	0.6399475	0.380227	0.7445293	0.7958265	2.2061566
5503000000	2.775073511	-1.72787596	-2.641502487	-6.877084311	-2.069476898	-1.2573435	0.7377766	0.4530496	0.7879999	0.8652334	3.0581377
5503000000	2.775073511	-1.675516082	-2.270545068	-6.20798515	-1.459159337	-0.783186201	0.7699681	0.4893795	0.8453606	0.9131778	3.5751839
5503000000	2.775073511	-1.623156204	-2.1272318	-6.035364583	-1.025772729	-0.620214965	0.7827776	0.4991508	0.888615	0.9310848	3.811195
5503000000	2.775073511	-1.570796327	-1.535684165	-5.82444102	-0.813290408	-0.624585661	0.8379455	0.5114203	0.9106165	0.9306164	4.0568438
5503000000	2.775073511	-1.518436449	-0.493674606	-4.912006915	-0.685049478	-0.598099824	0.9447486	0.5680671	0.9241608	0.9334585	4.5331192
5503000000	2.775073511	-1.466076572	0.465103636	-3.43938297	-0.50129037	-0.465496205	1.0550066	0.6730245	0.9439206	0.9478185	5.1530202
5503000000	2.775073511	-1.413716694	1.082191827	-2.049898571	-0.232342934	-0.347457483	1.1326862	0.7897781	0.9736071	0.960787	5.704074
5503000000	2.775073511	-1.361356817	1.515603347	-1.073269409	0.069676202	-0.452548179	1.1906392	0.8837645	1.080054	0.9492325	6.089143
5503000000	2.775073511	-1.308996939	2.061881836	-0.518713135	0.38931853	-0.901744439	1.2679172	0.9420292	1.0458416	0.9013901	6.3553727
5503000000	2.775073511	-1.256637061	2.78517654	-0.287875407	0.781796556	-1.616534065	1.3781162	0.9674003	1.0941827	0.830182	6.5877158
5503000000	2.775073511	-1.204277184	3.462713629	-0.323694357	1.269782306	-2.339933757	1.4898265	0.9634192	1.157415	0.7638416	6.797973
5503000000	2.775073511	-1.151917306	3.864915302	-0.681054507	1.767050202	-2.86445156	1.5604353	0.9245859	1.2256106	0.7190804	6.9069102
5503000000	2.775073511	-1.099557429	3.943326986	-1.493875767	2.142020557	-3.26615666	1.5745859	0.8419886	1.279679	0.6865816	6.8145026
5503000000	2.775073511	-1.047197551	3.821566268	-2.846014807	2.347305398	-3.747201761	1.552667	0.7206083	1.3102835	0.6495909	6.5126725
5503000000	2.775073511	-0.994837674	3.688785789	-4.531344619	2.488622911	-4.255832008	1.529112	0.5947614	1.3317759	0.6126443	6.1676457
5503000000	2.775073511	-0.942477796	3.636130298	-5.660641247	2.712020307	-4.378134458	1.51598703	0.5211562	1.3666729	0.6040784	6.0547043
5503000000	2.775073511	-0.891791919	3.601152562	-5.665956457	2.989606684	-4.3747894172	1.5137621	0.5028376	1.4108483	0.647538	6.1930326
5503000000	2.775073511	-0.837758041	3.510346206	-5.282689533	3.145233583	-3.479157983	1.498019	0.5443341	1.4363546	0.6699496	6.3375511
5503000000	2.775073511	-0.785398163	3.409506013	-5.277490012	3.079486697	-3.465412537	1.480728	0.54466	1.4255234	0.6710106	6.2813955
5503000000	2.775073511	-0.733038286	3.396838122	-5.587478412	2.869284046	-3.868470619	1.4785701	0.5255646	1.3914391	0.6405846	6.0987369
5503000000	2.775073511	-0.680678408	3.449621083	-5.565945065	2.677959019	-4.107358512	1.4875825	0.5268691	1.3611248	0.6232066	6.0179569
5503000000	2.775073511	-0.628318531	3.412686475	-4.770183892	2.569155086	-3.648316536	1.4812703	0.5747186	1.344181	0.6570284	6.1497035
5503000000	2.775073511	-0.575958653	3.176086429	-3.520604304	2.447536463	-2.744261579	1.4414657	0.6667604	1.3254911	0.7290997	6.3671463
5503000000	2.775073511	-0.523598776	2.818750166	-2.268475062	2.220663249	-1.848989474	1.3836373	0.7701516	1.2931379	0.808259	6.5355034
5503000000	2.775073511	-0.471238898	2.563602624	-1.254028957	1.934782136	-1.067665307	1.343322	0.8655627	1.2495082	0.8843348	6.7346522
5503000000	2.775073511	-0.41887902	2.50867788	-0.631344524	1.711642393	-0.364703826	1.348544	0.9298926	1.2178172	0.9588812	6.9298867
5503000000	2.775073511	-0.366519143	2.470576977	-0.469292317	1.591016532	-0.226995482	1.3290118	0.9474044	1.2020126	1.0264783	7.051206
5503000000	2.775073511	-0.314159265	2.212533751	-0.609787709	1.499033327	-0.658415004	1.2901098	0.9322303	1.18837	1.0787499	7.0232298
5503000000	2.775073511	-0.261799388	1.68865215	-0.576625243	1.357037804	-0.976369197	1.2145981	0.9357692	1.1691006	1.11897	6.9240032
5503000000	2.775073511	-0.20943951	1.080277558	0.027153748	1.165440628	1.317145106	1.1324365	1.0031311	1.1435944	1.1637435	6.9327417
5503000000	2.775073511	-0.157079633	0.663480194	0.93226157	1.005057598	1.777656592	1.0793791	1.1133022	1.122672	1.2721081	7.1252521
5503000000	2.775073511	-0.104719755	0.572126502	1.604138413	0.981582841	2.283284203	1.0680683	1.2028374	1.1196419	1.3006613	7.4051287
5503000000	2.775073511	-0.052359878	0.716680154	1.784985119	1.126895436	2.622730931	1.0860105	1.2814339	1.1385308	1.3524977	7.6135985
5503000000	2.775073511	-4.44E-16	0.95900008	1.507443847	1.32762761	2.623027401	1.1167348	1.1895212	1.1651488	1.3525439	7.6474536
5503000000	2.775073511	0.052359878	1.258591546	0.995400682	1.405768891	2.311148757	1.1559248	1.1214245	1.1756781	1.3048405	7.5276478
5503000000	2.775073511	0.104719755	1.625000902	0.535891052	1.303658841	1.97611899	1.2057299	1.0568462	1.161938	1.2554689	7.4009733
5503000000	2.775073511	0.157079633	1.999772161	0.080124571	1.173452001	1.937440647	1.2588924	1.0447352	1.1446497	1.2498907	7.4179709
5503000000	2.775073511	0.20943951	2.274482481	0.4462978	1.204952647	2.10459919	1.2993439	1.0527429	1.1488085	1.2741776	7.5589674
5503000000	2.775073511	0.261799388	2.406737721	0.607640298	1.335509967	2.09697137	1.3192797	1.0724622	1.1659381	1.2730591	7.6596719
5503000000	2.775073511	0.314159265	2.455119728	0.746251091	1.314886797	1.72075386	1.3266489	1.0897141	1.1634409	1.2190954	7.6022327
5503000000	2.775073511	0.366519143	2.507234415	0.791702401	1.066362497	1.117521296	1.3346326	1.0954312	1.1306238	1.1373027	7.4176424
5503000000	2.775073511	0.41887902	2.59058964	0.664317551	0.825633058	0.565218151	1.3475022	1.0794832	1.0997188	1.0672331	7.2231089
5503000000	2.775073511	0.471238898	2.655217387	0.232728852	0.935737486	0.071841917	1.3575657	1.0271561	1.1121892	1.0830054	7.0537133
5503000000	2.775073511	0.523598776	2.633919606	-0.648072124	1.306853022	-0.675457502	1.3542411	0.9218035	1.1623653	0.92518	6.7888098
5503000000	2.775073511	0.575958653	2.506127611	-1.985901259	1.637222929	-1.852392529	1.3446625	0.7956186	1.2074276	0.8079424	6.3308361
5503000000	2.775073511	0.628318531	2.309805674	-3.328516159	1.800292678	-3.026026549	1.3046388	0.68167	1.2303102	0.7058277	5.8505411
5503000000	2.775073511	0.680678408	2.104911329	-3.690023444	2.005934727	-3.354022826	1.2742234	0.6538812	1.2597859	0.6796712	5.7281446
5503000000	2.775073511	0.733038286	1.929031888	-2.932472003	2.434672922	-3.09836954	1.2486813	0.7134711	1.3235296	0.6999734	5.9893949
5503000000	2.775073511	0.785398163	1.7972603								

5503000000	2.827433388	-2.827433388	-18.03179819	-13.36687612	-7.97667501	-7.162430455	0.1254325	0.2146131	0.3991777	0.4384808	-4.600413
5503000000	2.827433388	-2.775073511	-23.7240001	-14.72536513	-8.439986951	-5.851631057	0.0651328	0.1835404	0.3784432	0.5098219	-4.905862
5503000000	2.827433388	-2.222713633	-21.03695312	-18.36492979	-9.24327613	-4.864176073	0.0887467	0.2071219	0.3450147	0.5712039	-4.992315
5503000000	2.827433388	-2.670353756	-16.71789654	-20.12095902	-9.881609611	-4.571650651	0.1459168	0.0986171	0.3205675	0.5907687	-4.76242
5503000000	2.827433388	-2.617993878	-14.86969627	-16.1056365	-8.72864711	-4.810729138	0.1805101	0.1565735	0.305368	0.5801865	-4.274642
5503000000	2.827433388	-2.565634	-13.72440836	-12.51403957	-10.4548377	-4.810729138	0.2059584	0.2367544	0.3000946	0.5747296	-6.325344
5503000000	2.827433388	-2.513274123	-11.98776179	-10.42084929	-9.881517067	-4.803472491	0.2515428	0.3012711	0.3205709	0.5752099	-2.801661
5503000000	2.827433388	-2.460914245	-10.04055559	-10.07003413	-8.860340659	-5.169829389	0.3147547	0.3136883	0.3605645	0.551453	-2.267589
5503000000	2.827433388	-2.408554368	-8.70575818	-11.81706109	-9.765496552	-5.169829389	0.3670389	0.2565352	0.3904973	0.5031821	-2.399437
5503000000	2.827433388	-2.35619449	-8.250082448	-14.65475375	-7.89941756	-6.448960196	0.3868084	0.1850386	0.402744	0.4759398	-2.790061
5503000000	2.827433388	-2.303834613	-8.502967363	-11.78826587	-7.458628846	-5.15255154	0.375709	0.2573871	0.4237098	0.4982229	-2.185831
5503000000	2.827433388	-2.251474735	-8.783447178	-7.657215498	-6.4007682	-5.435192501	0.3637706	0.4141324	0.4764268	0.5348603	-0.96747
5503000000	2.827433388	-2.199114858	-8.270375282	-5.343007259	-5.276762328	-5.152980232	0.3859057	0.5405671	0.5447057	0.5525238	0.1023327
5503000000	2.827433388	-2.14675498	-7.329329024	-4.385060321	-4.470834518	-4.888167772	0.4300645	0.6035969	0.5976656	0.5696284	0.8316246
5503000000	2.827433388	-2.094395102	-6.982007674	-4.320596082	-4.032808756	-4.132887562	0.4476098	0.6808093	0.6285786	0.6213776	1.2353027
5503000000	2.827433388	-2.042035225	-7.778092374	-4.86027997	-3.643376754	-3.157708689	0.4084091	0.5714602	0.6574022	0.6952077	1.3357556
5503000000	2.827433388	-1.989675347	-9.425769168	-5.913166009	-3.134616505	-2.53522647	0.3378404	0.5062228	0.6970584	0.7468594	1.1684484
5503000000	2.827433388	-1.93731547	-9.390202763	-7.46773105	-2.682063078	-2.399521394	0.3932266	0.4232661	0.7343394	0.7586194	1.0440697
5503000000	2.827433388	-1.884955592	-6.723005664	-9.02209865	-2.39455027	-2.446022045	0.461158	0.5359118	0.7551396	0.7545689	1.3070307
5503000000	2.827433388	-1.832595715	-4.333757747	-9.064891703	-2.304170711	-2.234135844	0.6071725	0.3521725	0.7669931	0.7732024	1.9366038
5503000000	2.827433388	-1.780235837	-3.045070982	-7.531087644	-2.037860938	-1.663337116	0.7042818	0.4201899	0.7908734	0.8527206	2.7377892
5503000000	2.827433388	-1.72787596	-2.653990631	-6.080345824	-1.554858588	-1.049088709	0.7367166	0.4965726	0.8360978	0.887055	3.3947873
5503000000	2.827433388	-1.675516082	-2.685989633	-5.426123847	-1.021074488	-0.660451579	0.7340075	0.535419	0.8890911	0.9263976	3.7642649
5503000000	2.827433388	-1.623156204	-2.464444101	-5.551733206	-0.615082674	-0.598866836	0.7529702	0.5277319	0.9316352	0.9333761	3.9337829
5503000000	2.827433388	-1.570796327	-1.618207319	-5.989736476	-0.355136426	-0.71201353	0.8300221	0.5017798	0.959938	0.9203223	4.1150788
5503000000	2.827433388	-1.518436449	-0.520292407	-5.824924254	-0.159168731	-0.848422835	0.9418579	0.5113918	0.9818419	0.9071166	4.4605598
5503000000	2.827433388	-1.466076572	0.364859972	-4.685081916	0.042000748	-0.877834666	1.0429008	0.6803933	1.0048472	0.9038748	4.9465167
5503000000	2.827433388	-1.413716694	0.979580457	-3.280221932	0.262456349	-0.904575532	1.1193838	0.6854707	1.0306776	1.0910963	5.4289983
5503000000	2.827433388	-1.361356817	1.555068231	-2.182460648	0.490186438	-1.1960612	1.1960612	0.7778162	1.0580576	0.8806871	5.8287581
5503000000	2.827433388	-1.308996399	2.27502154	-1.477438527	0.746880041	-1.57874804	1.2994246	0.8435835	1.0900188	0.8338014	6.1645158
5503000000	2.827433388	-1.256637061	3.049418415	-1.069772114	1.095689988	-2.243463822	1.4205971	0.8841208	1.1344478	0.7732725	6.468214
5503000000	2.827433388	-1.204277184	3.654412122	-0.915775412	1.529774197	-2.852352633	1.5230726	0.8999352	1.1925833	0.7200827	6.7205319
5503000000	2.827433388	-1.151917306	3.962909255	-1.17760504	1.953757443	-3.242482821	1.5781398	0.8792492	1.2522409	0.6884555	6.846473
5503000000	2.827433388	-1.099557429	4.012950119	-1.888527866	2.26402068	-3.547194191	1.5872579	0.8405881	1.2972421	0.6647224	6.7567905
5503000000	2.827433388	-1.047197551	3.957687224	-3.455476496	2.436267936	-4.019203075	1.5771913	0.8717786	1.3237726	0.6295639	6.4491455
5503000000	2.827433388	-0.994837674	3.940135793	-5.848933044	2.590223002	-4.03742228	1.5740075	0.5099802	1.3474453	0.5863121	6.0590744
5503000000	2.827433388	-0.942477796	3.97332725	-8.021741634	2.829947122	-4.901290768	1.5800337	0.3971119	1.3851518	0.5687684	5.8696064
5503000000	2.827433388	-0.890117919	3.970924519	-7.76025039	3.090696953	-4.5691915	1.5795967	0.4092489	1.4273644	0.5986239	6.0527516
5503000000	2.827433388	-0.837758041	3.885801685	-6.247407651	3.19871462	-3.833506198	1.5641921	0.4871129	1.4452259	0.6431684	6.3187759
5503000000	2.827433388	-0.785398163	3.770400834	-5.290192313	3.075298966	-3.68329432	1.543549	0.5438641	1.4248362	0.6577843	6.3821913
5503000000	2.827433388	-0.733038286	3.693450918	-5.01395575	2.699739007	-3.884816074	1.5299335	0.5614101	1.3819329	0.6393802	6.2618492
5503000000	2.827433388	-0.680678408	3.624971293	-4.987048035	2.569980435	-4.052136685	1.5179189	0.5631805	1.3443087	0.6271814	6.1340524
5503000000	2.827433388	-0.628318531	3.457926575	-4.71963622	2.436374904	-3.669389567	1.4890056	0.5807887	1.3237889	0.6554363	6.1263977
5503000000	2.827433388	-0.575958653	3.147243278	-3.95639519	2.341281659	-2.914232642	1.436687	0.6341328	1.3093751	0.7149709	6.22483
5503000000	2.827433388	-0.523598776	2.803435745	-2.781507626	2.195358229	-2.09994465	1.3809304	0.7259799	1.2875613	0.7852406	6.4023278
5503000000	2.827433388	-0.471238898	2.608586771	-1.545099923	2.01646807	-1.260827174	1.3502971	0.8370377	1.2591643	0.8648856	6.671735
5503000000	2.827433388	-0.41887902	2.578149279	-0.64060007	1.821746367	-0.424012516	1.3455736	0.9289022	1.2333528	0.9523561	6.966457
5503000000	2.827433388	-0.366519143	2.505458927	-0.282810763	1.680466865	0.2545805	1.3343598	0.9679646	1.2134541	1.0297434	7.1310751
5503000000	2.827433388	-0.314159265	2.190372719	-0.381369723	1.541353544	0.684561256	1.2868225	0.9570341	1.1941742	1.082002	7.0822491
5503000000	2.827433388	-0.261799388	1.622407127	-0.460514774	1.363139705	0.965935235	1.2053699	0.9483623	1.1699222	1.1176267	6.9295653
5503000000	2.827433388	-0.20943951	0.998926799	-0.031300082	1.156893511	1.297242111	1.1218798	1.0015324	1.1424697	1.1610799	6.9015516
5503000000	2.827433388	-0.157079633	0.594846202	0.086077606	0.997432385	1.773403184	1.0708837	1.1073984	1.1216868	1.2265074	0.7946005
5503000000	2.827433388	-0.104719755	0.531307952	1.578723184	0.981272606	2.286403606	1.0630787	1.199323	1.1196019	1.3011285	7.3901281
5503000000	2.827433388	-0.052359878	0.704111116	1.778692703	1.130982669	2.622736241	1.0844401	1.2272545	1.1390666	1.3524986	7.6101216
5503000000	2.827433388	-4.44E-16	0.959000684	1.507444549	1.327627365	2.623027341	1.1167348	1.1895213	1.1651487	1.3525439	7.6474537
5503000000	2.827433388	0.052359878	1.241686945	0.992229506	1.399482534	2.314226023	1.1536773	1.1201515	1.1748276	1.3503029	7.522087
5503000000	2.827433388	0.104719755	1.567286488	0.532802411	1.299500652	1.979062885	1.1977449	1.0632616	1.1613818	1.2558945	7.3811294
5503000000	2.827433388	0.157079633	1.903867667	0.327808118	1.945130095	2.12509977	1.2450689	1.0385691	1.1448914	1.2509977	7.3834394
5503000000	2.827433388	0.20943951	2.166176777	0.386941141	1.19402011	2.127843269	1.2832428	1.0455554	1.1480746	1.2775919	7.5214327
5503000000	2.827433388	0.261799388	2.317234031	0.584803357	1.310574652	2.125533805	1.305755	1.0696462	1.1628635	1.2772523	7.6322585
5503000000	2.827433388	0.314159265	2.40592984	0.766575418	1.268990682	1.716885137	1.319157	1.0922669	1.1597104	1.2185525	7.5855424
5503000000	2.827433388	0.366519143	2.500524841	0.801286619	1.053395677	1.045341673	1.333602	1.0662406	1.1289372	1.1278909	7.3974302
5503000000	2.827433388	0.41887902	2.609448145	0.589092774	0.925288879	1.459611057	1.350341	1.0701746	1.0996752	1.0543397	7.1865016
5503000000	2.827433388	0.471238898	2.674026011	0.052547872	0.803782885	0.058214792	1.3605086	1.002911	1.109658	1.0067247	7.0045772
5503000000	2.827433388	0.523598776	2.630116746	-1.007502306	1.254487096	-0.465437154	1.3536483	0.8904815	1.1555117	0.947825	6.7441248
5503000000	2.827433388	0.575958653	2.469539368	-2.510164192	1.592403101	-1.353694528	1.3288531	0.7490172	1.2012134	0.8556877	6.30843
5503000000	2.827433388	0.628318531	2.251118259	-3.963456873	1.814228827	-2.368315558	1.295835	0.6336175	1.2322858	0.7613498	5.8520022
5503000000	2.827433388	0.680678408	2.06020610								

5503000000	2.879793266	-2.932153143	-13.108172	-17.45380968	-8.915116367	-9.081020131	0.22111014	0.1340632	0.3582978	0.3515192	-5.4737398
5503000000	2.879793266	-2.879793266	-14.0831493	-12.13308321	-8.256823944	-8.083488369	0.1976253	0.1964924	0.3865083	0.3942989	-4.620398
5503000000	2.879793266	-2.872433388	-17.31685399	-12.93132961	-8.042693181	-7.043964313	0.1361938	0.2256491	0.3961552	0.4442484	-4.41943
5503000000	2.879793266	-2.775073511	-23.32580334	-14.5206583	-8.530115667	-5.688475022	0.0681883	0.1879174	0.3745366	0.5194889	-4.805652
5503000000	2.879793266	-2.722713631	-21.01198511	-19.24183174	-9.412782318	-4.695213244	0.0890022	0.109121	0.3383481	0.5824241	-5.04481
5503000000	2.879793266	-2.670353756	-16.55978825	-19.51909773	-9.981445071	-4.507223189	0.1485972	0.1056927	0.316904	0.595167	-4.683941
5503000000	2.879793266	-2.617993878	-14.29313831	-18.1577231	-8.914655055	-4.891465505	0.1929048	0.1959122	0.3109339	0.5694121	-3.950252
5503000000	2.879793266	-2.565634	-12.28468162	-10.82639346	-10.23959921	-5.203770146	0.2430893	0.2875281	0.3076111	0.5493024	-3.175746
5503000000	2.879793266	-2.513274123	-10.01781863	-8.92349547	-9.991953669	-5.263837829	0.3155797	0.3579524	0.3165208	0.5455168	-2.295209
5503000000	2.879793266	-2.460914245	-8.256576645	-8.29441309	-9.229504595	-5.537173067	0.3865193	0.3848392	0.345561	0.5286173	-1.694448
5503000000	2.879793266	-2.408554368	-7.461992652	-9.056320082	-8.5639738	-6.096940803	0.4235458	0.3525202	0.3730794	0.4956247	-1.698496
5503000000	2.879793266	-2.35619449	-7.56001436	-10.86382447	-8.330087487	-6.248629662	0.4187929	0.2862917	0.3832619	0.4870444	-2.072834
5503000000	2.879793266	-2.303834613	-7.965652398	-11.12229535	-7.992515647	-5.629197542	0.3996846	0.2778979	0.3984504	0.5230463	-1.943201
5503000000	2.879793266	-2.251474735	-7.768493114	-8.645762395	-6.3903939	-4.874343485	0.4088607	0.3695829	0.4502493	0.5705357	-0.918873
5503000000	2.879793266	-2.199114858	-7.003433532	-6.421729486	-5.592842667	-4.373029913	0.4465071	0.4774342	0.5252401	0.6044335	0.2297798
5503000000	2.879793266	-2.14675498	-6.65002779	-5.281138054	-4.634214598	-3.867083216	0.4650489	0.5444313	0.5865287	0.6406869	0.9715385
5503000000	2.879793266	-2.094395102	-7.348635281	-5.071105691	-4.105627458	-3.100143629	0.4291096	0.5577566	0.6233309	0.698304	1.251743
5503000000	2.879793266	-2.042035225	-8.97371492	-5.638463439	-3.687013365	-2.33749993	0.3558887	0.5224886	0.6541078	0.7640557	1.2008835
5503000000	2.879793266	-1.982675347	-9.530737343	-6.978542817	-3.179356891	-1.961876191	0.3337822	0.4477884	0.6934771	0.7378223	1.1108923
5503000000	2.879793266	-1.93731547	-7.425164415	-9.03972273	-2.690796321	-2.027748151	0.4253454	0.3531944	0.7336015	0.791794	1.2288085
5503000000	2.879793266	-1.884955592	-5.149292965	-10.60058211	-2.32300511	-2.237365304	0.5527584	0.2951011	0.7645132	0.772915	1.5302155
5503000000	2.879793266	-1.832595715	-3.870972419	-9.269527911	-2.019842702	-2.181587733	0.6404001	0.3439792	0.7925157	0.7778943	1.2164789
5503000000	2.879793266	-1.780235837	-3.514278642	-6.761677628	-1.605844441	-1.776510959	0.6672461	0.4591093	0.8312043	0.8150316	2.8371174
5503000000	2.879793266	-1.72787596	-3.670386751	-5.004423867	-1.093232781	-1.312626738	0.6553611	0.562055	0.8817356	0.8588527	3.3993763
5503000000	2.879793266	-1.675516082	-3.695855291	-4.239159513	-0.624607821	-1.107704918	0.6534423	0.6138214	0.9306141	0.8082677	3.7451827
5503000000	2.879793266	-1.623156204	-3.078792576	-4.30862536	-0.291968838	-1.206100482	0.7015528	0.6089319	0.9669445	0.8703521	3.9394912
5503000000	2.879793266	-1.570796327	-1.992082224	-4.855072272	-0.06447397	-1.496899585	0.7950526	0.5778029	0.9926046	0.8416955	4.0855362
5503000000	2.879793266	-1.518436449	-0.918954772	-5.21281866	0.126311081	-1.780820012	0.8996058	0.5487309	0.1046484	0.8146274	4.2905521
5503000000	2.879793266	-1.466076572	-0.061992458	-4.827754569	0.30537965	-1.934127367	0.9928883	0.5776041	0.1035785	0.8003752	4.6157358
5503000000	2.879793266	-1.413716694	0.683531103	-3.961899637	0.461849953	-2.013666981	1.0818737	0.6337311	0.1054615	0.7930794	5.0164372
5503000000	2.879793266	-1.361356817	1.487121267	-3.139364696	0.01425103	-2.188212373	1.1867413	0.6966775	0.10716951	0.7377013	5.419199
5503000000	2.879793266	-1.308996939	2.347274991	-2.518571315	0.785139392	-2.555410903	1.3102789	0.7482926	0.10946038	0.7451255	5.7969072
5503000000	2.879793266	-1.256637061	3.104860421	-2.028799352	1.087249506	-3.018598932	1.4296938	0.7916989	0.1333459	0.7064315	6.1524235
5503000000	2.879793266	-1.204277184	3.622480574	-1.668627684	0.748982211	-3.346106205	1.5174837	0.8252179	0.1186859	0.6802909	6.4647355
5503000000	2.879793266	-1.151917306	3.884134083	-1.631140619	0.872766444	-3.442167713	1.5638918	0.8287871	0.12406187	0.6728087	6.661095
5503000000	2.879793266	-1.099557429	3.986273337	-2.229730576	1.249918237	-3.521744072	1.5823905	0.7735947	0.1280843	0.6666729	6.6558385
5503000000	2.879793266	-1.047197551	4.060618122	-3.824778439	2.333038242	-3.889253706	1.5959927	0.643815	0.1308133	0.639055	6.4174504
5503000000	2.879793266	-0.994837674	4.167276015	-6.826396691	2.524685298	-4.560558598	1.6157114	0.5557012	0.13373167	0.5915236	6.0211491
5503000000	2.879793266	-0.942477796	4.259214404	-10.9602731	2.788232736	-4.996483932	1.6329043	0.2831303	0.13785154	0.562569	5.7046609
5503000000	2.879793266	-0.890177919	4.261738118	-10.90828733	3.031649987	-4.632248092	1.6333788	0.2848299	0.1417694	0.5866615	5.8508013
5503000000	2.879793266	-0.837758041	4.163111911	-7.637320946	3.096426125	-3.921416356	1.614937	0.6415082	0.14283062	0.6366917	6.2245141
5503000000	2.879793266	-0.785398163	4.0190158	-5.603175768	2.93008286	-3.570917459	1.5883686	0.5246586	0.1402113	0.6629093	6.3969072
5503000000	2.879793266	-0.730382826	3.875695675	-4.693848658	2.36666477	-3.653217217	1.5623732	0.5825156	0.1354691	0.6566578	6.3536319
5503000000	2.879793266	-0.680678408	3.705671675	-4.420297869	2.389033445	-3.7209949	1.5320876	0.6011531	0.13165934	0.6515538	6.2380169
5503000000	2.879793266	-0.628318531	3.4466957249	-4.376701702	2.273648127	-3.409939206	1.4871263	0.604718	0.12996231	0.6753098	6.1632542
5503000000	2.879793266	-0.575958653	3.107681858	-4.105177681	2.242141365	-2.862008581	1.4301582	0.6233631	0.12945149	0.7192826	6.1655647
5503000000	2.879793266	-0.523598776	2.811645574	-3.193966978	2.184211385	-2.225728281	1.3822363	0.6923117	0.128591	0.7739512	6.3076691
5503000000	2.879793266	-0.471238898	2.68342473	-1.837100337	2.061505678	-1.404236124	1.3619816	0.809366	0.12677816	0.850723	6.6284291
5503000000	2.879793266	-0.41887902	2.665761209	-0.672847281	1.895688873	-0.467738371	1.3592147	0.92546	0.12440231	0.9457379	6.9977827
5503000000	2.879793266	-0.366519143	2.549827046	-0.108853387	1.720890634	0.287707962	1.3411932	0.987546	0.12911446	0.10376783	7.11996148
5503000000	2.879793266	-0.314159265	2.178758075	-0.134281794	1.538196009	0.716535202	1.2851029	0.9846591	0.13937401	0.10859923	7.138663
5503000000	2.879793266	-0.261799388	1.574847376	-0.297076616	1.336534125	0.962102483	1.1987879	0.9663761	0.1663441	0.1171336	6.9439488
5503000000	2.879793266	-0.20943951	0.944111265	0.038288705	1.129344908	1.283428261	1.1148221	1.0044719	0.1388519	0.1592348	6.8825904
5503000000	2.879793266	-0.157079633	0.551464981	0.551464981	0.980931606	1.774224733	1.0655486	1.1035438	0.1119558	0.1266234	7.0730818
5503000000	2.879793266	-0.104719755	0.505211415	1.556728103	0.977980808	2.292377401	1.0598895	1.1962898	0.11191777	0.13020236	7.3794543
5503000000	2.879793266	-0.052359878	0.695671308	0.712105599	1.134669267	2.62329094	1.0833869	1.2623241	0.1395502	0.13252849	7.6075649
5503000000	2.879793266	-4.44E-16	0.959000668	1.07444307	1.327627401	2.623027138	1.1167348	1.1895213	0.1651487	0.13525439	7.6474536
5503000000	2.879793266	0.052359878	1.225844356	0.990552193	1.39184934	2.318142223	1.151575	1.1207987	0.1737956	0.13058915	7.5170398
5503000000	2.879793266	0.104719755	1.510785775	0.515125206	1.290151366	1.981751503	1.189979	1.0610999	0.1601324	0.12562338	7.3610765
5503000000	2.879793266	0.157079633	1.804601934	0.284197811	1.165516961	1.947497105	1.2309208	1.0332607	0.1436045	0.12513386	7.3454865
5503000000	2.879793266	0.20943951	2.046862997	0.339611673	1.176425051	2.140468283	1.2657361	1.0398737	0.1450416	0.12794503	7.4768094
5503000000	2.879793266	0.261799388	2.207946637	0.575302894	1.268037274	2.142608511	1.2894287	1.0684769	0.1571825	0.12797656	7.5949073
5503000000	2.879793266	0.314159265	2.32592198	0.791569758	1.240433072	1.708147441	1.3070617	1.0954145	0.1535108	0.1213273	7.5558008
5503000000	2.879793266	0.366519143	2.44841495	0.804198058	1.20310673	1.985885965	1.3256252	1.0966673	0.1250073	0.1201967	7.3610802
5503000000	2.879793266	0.41887902	2.567808082	0.495163161	0.804043594	0.401909737	1.3439726	1.058664	0.10969888	0.10473588	7.1338689
5503000000	2.879793266	0.471238898	2.62401058	0.196176918	0.849357686	0.143297032	1.352697	0.9776674	0.1027267	0.1016635	6.9460648
5503000000	2.879793266	0.523598776	2.563410675	-1.348073189	1.147712792	-0.125760183	1.3432923	0.8562416	0.1412627	0.9586256	6.7017983
5503000000	2.879793										

5503000000	2.932153143	-3.036872899	-16.17307552	-20.95653629	-11.85822541	-14.30590268	0.1553625	0.0895722	0.2553223	0.1926215	-9.207458
5503000000	2.932153143	-2.984513021	-13.40442479	-20.438296	-9.98638291	-10.81688898	0.2136873	0.0950791	0.3167239	0.2878429	-6.808014
5503000000	2.932153143	-2.932153143	-12.402023408	-17.8824584	-9.02640127	-8.924710851	0.2393251	0.1276078	0.3537366	0.3579023	-5.363619
5503000000	2.932153143	-2.879793266	-13.19223289	-13.83956051	-8.396188921	-7.974901519	0.2189719	0.203246	0.3803562	0.3992592	-4.423715
5503000000	2.932153143	-2.827433388	-15.95473297	-12.4856327	-8.176823925	-6.987349259	0.1593175	0.2375299	0.3900846	0.4473346	-4.19242
5503000000	2.932153143	-2.775073511	-20.40071946	-14.2859491	-8.179094639	-5.648149272	0.0954913	0.1930647	0.3664758	0.5219063	-4.605527
5503000000	2.932153143	-2.722713633	-19.73767047	-20.3732956	-9.757958816	-4.68602763	0.1030663	0.0957933	0.3251637	0.5834004	-5.137148
5503000000	2.932153143	-2.670353756	-16.00225435	-19.20341034	-10.29936277	-4.609025454	0.1584482	0.1096048	0.3055145	0.5882321	-4.717975
5503000000	2.932153143	-2.617993878	-13.22673279	-12.91980542	-10.10136422	-5.216350193	0.2181039	0.2259486	0.3125588	0.5485074	-3.707599
5503000000	2.932153143	-2.565634	-10.63555582	-9.74356109	-9.090947761	-5.734853979	0.2993153	0.3257031	0.3195234	0.5167224	-2.758182
5503000000	2.932153143	-2.513274123	-8.415615118	-8.043206787	-9.760560592	-5.738741774	0.3795065	0.3961338	0.3250663	0.5164912	-1.845348
5503000000	2.932153143	-2.460914245	-7.123179119	-7.376169968	-7.227066874	-5.690406513	0.4403936	0.4277515	0.345658	0.5193734	-1.243744
5503000000	2.932153143	-2.408554368	-6.913855066	-7.729281868	-8.606976301	-5.776259097	0.4511358	0.4107106	0.3712369	0.5142651	-1.17301
5503000000	2.932153143	-2.35619449	-7.450259997	-8.924589872	-8.054205947	-5.530539581	0.4241183	0.3579073	0.3799661	0.5290211	-1.457662
5503000000	2.932153143	-2.303834613	-7.737906543	-9.877846287	-8.292761553	-4.785633051	0.410303	0.3207064	0.3849124	0.5763925	-1.450979
5503000000	2.932153143	-2.251474735	-7.087711307	-9.196436899	-7.459655429	-4.001389045	0.4421956	0.3468791	0.4236598	0.6308565	-0.707309
5503000000	2.932153143	-2.199114858	-6.394758705	-7.805704636	-6.150054112	-3.444077958	0.478919	0.4071128	0.4926033	0.6726606	0.219655
5503000000	2.932153143	-2.14675498	-6.662851458	-6.565858957	-5.132274814	-2.96494872	0.4643628	0.449694	0.5538417	0.7108084	0.7433671
5503000000	2.932153143	-2.094395102	-8.150866513	-6.884908902	-4.52619508	-3.480732129	0.3912521	0.4526417	0.5938684	0.7578153	0.8103758
5503000000	2.932153143	-2.042035225	-9.675217751	-7.675359108	-4.033262671	-1.926191987	0.328276	0.4132683	0.6285457	0.8011068	0.7133836
5503000000	2.932153143	-1.989675347	-8.563055655	-9.444754337	-3.482789839	-1.7651885	0.3731189	0.3371027	0.6696695	0.8160947	0.8119908
5503000000	2.932153143	-1.93731547	-6.390888487	-12.03033859	-2.973250415	-1.963681737	0.4791324	0.2503128	0.7101294	0.7976565	0.9736172
5503000000	2.932153143	-1.884955592	-5.171350834	-12.43243354	-2.578912816	-2.286949972	0.5513564	0.398982	0.7431121	0.7685153	1.2214049
5503000000	2.932153143	-1.832595715	-5.046511778	-9.09539806	-2.197273814	-2.404389803	0.5593381	0.3509159	0.7764908	0.7581943	1.7447611
5503000000	2.932153143	-1.780235837	-5.557938486	-6.055757038	-1.704425423	-2.237430045	0.527355	0.4979803	0.8218238	0.7729092	2.3456525
5503000000	2.932153143	-1.72787596	-5.818152077	-4.191653965	-1.152335836	-2.032584	0.5117907	0.6171878	0.8757572	0.791354	2.9104219
5503000000	2.932153143	-1.675516082	-5.140817481	-3.30894755	-6.09884755	-2.053465131	0.553298	0.6832075	0.9225847	0.7894538	3.3715526
5503000000	2.932153143	-1.623156204	-3.898954393	-3.138963708	-0.415938644	-2.369202084	0.6383403	0.6967096	0.9532418	0.7612721	3.6641546
5503000000	2.932153143	-1.570796327	-2.685343727	-3.341048113	-0.24300551	-2.847007162	0.7340621	0.6806872	0.9724107	0.720526	3.8281427
5503000000	2.932153143	-1.518436449	-1.654505897	-3.496182616	-0.101756307	-2.348267832	0.8265606	0.6686377	0.9883532	0.6879971	4.0048276
5503000000	2.932153143	-1.466076572	-0.697937561	-3.35407356	0.027213711	-3.40682668	0.9227905	0.6797193	1.003138	0.6755518	4.3000533
5503000000	2.932153143	-1.413716694	0.301027654	-3.044251703	0.128453889	-3.37797705	1.0352646	0.7043482	1.0148987	0.6777993	4.6911325
5503000000	2.932153143	-1.361356817	1.316998099	-2.808319266	0.227479773	-3.3644059	1.1637328	0.7237424	1.0265355	0.6878592	5.0882082
5503000000	2.932153143	-1.308996939	2.1931351	-2.668581556	0.417975761	-3.48791435	1.2911175	0.7354801	1.0492979	0.6692745	5.4488307
5503000000	2.932153143	-1.256637061	2.901469719	-2.467709583	0.772841925	-3.651570423	1.3966047	0.7527418	1.0930552	0.6567824	5.988747
5503000000	2.932153143	-1.204277184	3.348676257	-2.167346062	1.230743528	-3.63138246	1.4703943	0.7791709	1.1522247	0.658314	6.1501429
5503000000	2.932153143	-1.151917306	3.631574775	-2.039805561	1.650015813	-3.386128868	1.5190733	0.7906963	1.2092074	0.6771635	6.4364006
5503000000	2.932153143	-1.099557429	3.853976875	-2.509602589	1.952484247	-3.197723714	1.5584714	0.7490656	1.2520573	0.6920123	6.5504617
5503000000	2.932153143	-1.047197551	4.076436176	-4.02496411	2.127755215	-3.400997594	1.5989019	0.6291465	1.2842151	0.6760053	6.420091
5503000000	2.932153143	-0.994837674	4.277176499	-7.188949365	2.003051955	-3.077298953	1.6362845	0.4370715	1.3183052	0.6282537	6.0637375
5503000000	2.932153143	-0.942477796	4.391667947	-12.9384747	2.663670367	-4.593419126	1.6579597	0.2254635	1.3588875	0.58929	5.6470868
5503000000	2.932153143	-0.890117919	4.380969715	-14.35940799	-2.878315668	-4.382018881	1.6559548	0.1914386	1.3911296	0.6038083	5.6712963
5503000000	2.932153143	-0.837758041	4.263075596	-9.003530358	2.883044868	-3.69961104	1.6336303	0.353413	1.3936453	0.6531598	6.0937914
5503000000	2.932153143	-0.785398163	4.089243164	-6.099779381	2.686520587	-3.282551791	1.6012611	0.4954628	1.3624671	0.6852869	6.3287966
5503000000	2.932153143	-0.733038286	3.890237672	-4.651401983	2.394331583	-3.262053433	1.5649911	0.5853692	1.3173967	0.686906	6.3501164
5503000000	2.932153143	-0.680678408	3.651326969	-4.049600034	2.178778614	-3.261914827	1.5252317	0.6273646	1.2851059	0.686917	6.2813896
5503000000	2.932153143	-0.628318531	3.353779641	-3.984809744	2.124104648	-3.015945607	1.4712585	0.6320618	1.2770422	0.7066473	6.2075135
5503000000	2.932153143	-0.575958653	3.043389679	-4.042500194	2.166073454	-2.667774832	1.4196114	0.6278776	1.2832275	0.7355484	6.1633136
5503000000	2.932153143	-0.523598776	2.83165459	-3.480758446	2.180257554	-2.242584645	1.3854241	0.6698621	1.2853248	0.7724507	6.2626285
5503000000	2.932153143	-0.471238898	2.773278539	-2.108044402	2.093826406	-1.489806354	1.3761441	0.7845087	1.2725982	0.8423832	6.5994111
5503000000	2.932153143	-0.41887902	2.75828991	-0.718804155	1.915747844	-0.489181784	1.3737715	0.9205763	1.246773	0.9452374	7.017279
5503000000	2.932153143	-0.366519143	2.596251431	0.048937662	1.698658676	-0.352999543	1.3483808	1.0056051	1.2159982	1.0382453	7.2501667
5503000000	2.932153143	-0.314159265	2.176305396	0.116217809	1.482668082	-0.75072917	1.2847401	1.01347	1.186132	1.090276	7.186497
5503000000	2.932153143	-0.261799388	1.548598536	-0.101158894	1.275470413	0.962825522	1.1951707	0.9884212	1.1580532	1.1172266	6.9638997
5503000000	2.932153143	-0.20943951	0.919263273	0.089155218	1.081895922	1.275798997	1.1116374	1.0113646	1.1326476	1.158217	6.8757843
5503000000	2.932153143	-0.157079633	0.535276639	0.841798363	0.951590445	1.780503994	1.0635645	1.1017674	1.116245	1.2275105	7.061173
5503000000	2.932153143	-0.104719755	0.494383746	1.5385329	0.971596842	2.301245908	1.058569	1.1937864	1.1183554	1.3033537	7.3732943
5503000000	2.932153143	-0.052359878	0.691445189	1.765291196	1.137942187	2.624375077	1.0828599	1.2253624	1.1399797	1.3527538	7.6059541
5503000000	2.932153143	-4.44E-16	0.959000667	1.507444603	1.372672604	2.623027283	1.1167348	1.1895213	1.1651488	1.3525439	7.6474537
5503000000	2.932153143	0.052359878	1.211334108	0.990438506	1.382925369	2.322868211	1.1496528	1.120784	1.1725902	1.3066023	7.5125944
5503000000	2.932153143	0.104719755	1.456933637	0.501403138	1.275956153	1.983954593	1.182624	1.0594429	1.158238	1.256602	7.3413174
5503000000	2.932153143	0.157079633	1.70510072	0.247634911	1.145664171	1.934368117	1.2169004	1.0289203	1.1409936	1.2507439	7.3051877
5503000000	2.932153143	0.20943951	1.921032175	0.303871011	1.140309748	2.140250045	1.2475318	1.0356036	1.1402905	1.2794481	7.4266114
5503000000	2.932153143	0.261799388	2.083982033	0.574912515	1.214946755	2.147228505	1.2711567	1.0684289	1.1501311	1.2804465	7.5500648
5503000000	2.932153143	0.314159265	2.219749027	0.815381752	1.191865395	1.699256177	1.291182	1.0984217	1.1470788	1.2160819	7.5183257
5503000000	2.932153143	0.366519143	2.354310344	0.79093876	1.004204156	0.951904675	1.3113406	1.0953349	1.1225617	1.1518228	7.3192267
5503000000	2.932153143	0.41887902	2.468855209	0.391314331	0.808919227	0.399416954	1.3287484	1.046082	1.0976047	1.1047053	7.0811951
5503000000	2.932153143	0.471238898	2.512789381	-0.407							

5503000000	2.984513021	-3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	2.984513021	-3.089232776	-20.21277593	-28.04152055	-15.18129901	-19.32498954	0.09757801	0.0396209	0.1741546	0.1080813	-13.56727
5503000000	2.984513021	-3.036872899	-15.79812442	-21.33991127	-15.03971605	-14.22314428	0.162216	0.0857047	0.2500427	0.1944656	-9.213095
5503000000	2.984513021	-2.984513021	-12.9260392	-21.43913316	-10.10648892	-10.69355819	0.2257865	0.0847312	0.3123745	0.2919591	-6.793589
5503000000	2.984513021	-2.932153143	-11.77958665	-18.08371902	-9.167580437	-8.791086261	0.2576444	0.124685	0.3480334	0.3634508	-5.241733
5503000000	2.984513021	-2.879793266	-12.29970895	-13.45770262	-8.579140527	-7.880509878	0.2426691	0.2123806	0.3724286	0.4036217	-4.214733
5503000000	2.984513021	-2.827433388	-14.48580796	-11.99933001	-8.361898426	-6.977904361	0.1886729	0.251208	0.3818608	0.4478213	-3.947514
5503000000	2.984513021	-2.775073511	-17.62806237	-13.90594847	-8.971267636	-5.7143924	0.1314005	0.2016985	0.355989	0.5179411	-4.386245
5503000000	2.984513021	-2.722713633	-17.81840761	-21.23315533	-10.23145533	-8.13327095	0.1285522	0.0867466	0.3079124	0.5745577	-5.210239
5503000000	2.984513021	-2.670353756	-14.97305576	-19.21890246	-10.78610044	-8.441103626	0.1783804	0.1094095	0.2888649	0.5727233	-4.811342
5503000000	2.984513021	-2.617993878	-12.01786914	-12.29882068	-10.0169841	-5.645568043	0.2506724	0.242694	0.3125468	0.5220614	-3.556805
5503000000	2.984513021	-2.565634	-9.405096211	-9.302266235	-9.431578845	-6.309775339	0.3386454	0.3426784	0.3376145	0.4836278	-2.483929
5503000000	2.984513021	-2.513274123	-7.583324112	-7.940689388	-9.130962339	-6.089857827	0.4176705	0.4008349	0.3495038	0.496029	-1.597334
5503000000	2.984513021	-2.460914245	-6.891751335	-7.553557241	-8.704013224	-5.526670015	0.4522853	0.4191043	0.3671126	0.5292569	-1.072138
5503000000	2.984513021	-2.408554368	-7.310656986	-7.973590155	-8.143213394	-5.086794047	0.43099	0.3993195	0.391597	0.5567501	-1.018758
5503000000	2.984513021	-2.35619449	-8.160358298	-8.95877728	-7.972130068	-4.580648108	0.3908248	0.3565013	0.3993866	0.590157	-1.225255
5503000000	2.984513021	-2.303834613	-8.045489115	-9.683936748	-8.125802304	-3.757052	0.3960277	0.3279466	0.3923827	0.6400512	-1.128079
5503000000	2.984513021	-2.251474735	-7.071351678	-9.367277602	-7.756638463	-3.195272186	0.4430293	0.3401231	0.4094191	0.6922076	-0.515391
5503000000	2.984513021	-2.199114858	-6.72763844	-8.655890406	-6.69686049	-2.724077044	0.4609121	0.3691522	0.4625482	0.730796	0.1010712
5503000000	2.984513021	-2.14675498	-7.758876939	-8.43362433	-5.708204213	-2.404834491	0.4093136	0.3787205	0.5183104	0.7581555	0.2576974
5503000000	2.984513021	-2.094395102	-9.808018634	-8.997706812	-5.051664427	-2.115698642	0.3232951	0.3549071	0.5590064	0.7838177	0.0908391
5503000000	2.984513021	-2.042035225	-9.967572379	-10.48983221	-4.500066633	-1.889763057	0.3174106	0.2988879	0.5956617	0.8044737	0.0710798
5503000000	2.984513021	-1.989675347	-7.733091477	-13.28658629	-3.92755323	-1.870000363	0.4105305	0.2166061	0.636242	0.8063062	0.2974842
5503000000	2.984513021	-1.93731547	-6.268043678	-17.03579547	-3.38389511	-2.106559079	0.485957	0.1406728	0.6731014	0.7846429	0.3589136
5503000000	2.984513021	-1.884955592	-6.278562533	-14.443926668	-3.091008308	-2.468808165	0.4853688	0.1895849	0.7005669	0.752592	0.5392919
5503000000	2.984513021	-1.832595715	-7.409629248	-9.434075153	-2.757676171	-2.743775285	0.4261069	0.3375151	0.7279745	0.7291405	0.909352
5503000000	2.984513021	-1.780235837	-8.273329634	-7.197392303	-2.75422551	-5.086702365	0.3857745	0.4915881	0.7693559	0.7196955	1.4618752
5503000000	2.984513021	-1.72787596	-7.247821266	-4.238868129	-1.686926513	-2.959046017	0.4341191	0.6138407	0.8234812	0.7112916	2.2209892
5503000000	2.984513021	-1.675516082	-5.435551681	-3.228636192	-1.186426737	-3.245968965	0.5348382	0.6895539	0.8723257	0.6881792	2.8755827
5503000000	2.984513021	-1.623156204	-4.017714529	-2.798938706	-0.882311906	-3.760194281	0.6296718	0.7245545	0.903409	0.6486199	3.2495855
5503000000	2.984513021	-1.570796327	-3.002332543	-2.609718708	-0.734368926	-4.332896852	0.7077557	0.7404812	0.9189281	0.6072327	3.4473811
5503000000	2.984513021	-1.518436449	-2.053768328	-2.388228971	-0.648104869	-4.676422369	0.7894263	0.7596063	0.9281	0.5836855	3.6961502
5503000000	2.984513021	-1.466076572	-0.971012453	-2.096150257	-0.569211459	-4.620919446	0.8942303	0.7855837	0.9365682	0.5874272	4.0927336
5503000000	2.984513021	-1.413716694	0.167134409	-1.912001183	-0.479782528	-4.292359282	1.0194284	0.8024167	0.9462609	0.6070733	4.5530538
5503000000	2.984513021	-1.361356817	1.17670332	-1.997956472	-0.325855157	-3.97378673	1.1450783	0.7945151	0.9631839	0.6328644	4.948765
5503000000	2.984513021	-1.308996939	1.955323535	-2.313949429	-0.011117109	-3.823549043	1.2524667	0.7661301	0.9987209	0.6343961	5.2519256
5503000000	2.984513021	-1.256637061	2.513761818	-2.601275324	-0.8482343	-3.74184276	1.3356359	0.7412014	1.057821	0.6499918	5.5399147
5503000000	2.984513021	-1.204277184	2.933583167	-2.647494736	1.054487185	-3.48706096	1.4017777	0.7372678	1.1290791	0.6693403	5.8837339
5503000000	2.984513021	-1.151917306	3.30793105	-2.648062296	1.535329942	-3.020221319	1.4635129	0.7372196	1.1933463	0.7061532	6.2355688
5503000000	2.984513021	-1.099557429	3.679693648	-3.098040649	1.782285836	-2.651628454	1.5275122	0.6999999	1.2405501	0.736917	6.454677
5503000000	2.984513021	-1.047197551	4.018436646	-4.500668484	2.111674957	-2.720208717	1.5882609	0.5956163	1.275216	0.7311215	6.4241255
5503000000	2.984513021	-0.994837674	4.260520355	-7.3801546	2.330647284	-3.283271595	1.6331498	0.4725553	1.307773	0.6852301	6.1364496
5503000000	2.984513021	-0.942477796	4.363635913	-12.15644475	2.546407752	-3.883087124	1.6526535	0.2467049	1.3406751	0.6395075	5.7550069
5503000000	2.984513021	-0.890117919	4.327993314	-13.72118455	2.683173028	-3.823736642	1.6458857	0.2060349	1.3619421	0.6438922	5.7060927
5503000000	2.984513021	-0.837758041	4.186291401	-9.472531201	2.64536444	-3.253097814	1.6192525	0.3360264	1.3560265	0.6876146	6.0182545
5503000000	2.984513021	-0.785398163	3.979288133	-6.515886583	2.429499031	-2.860880351	1.5811185	0.4722867	1.3227414	0.7193761	6.2255866
5503000000	2.984513021	-0.733038286	3.733252684	-4.787230593	2.157595754	-2.81715657	1.5369602	0.5672865	1.2819757	0.7230064	6.2736097
5503000000	2.984513021	-0.680678408	3.458855784	-3.875896418	1.994199417	-2.801949787	1.4891649	0.6400371	1.2580085	0.7422734	6.2595335
5503000000	2.984513021	-0.628318531	3.178161251	-3.65732185	2.060997487	-2.617140421	1.4418101	0.6563476	1.25994	0.7398488	6.3027359
5503000000	2.984513021	-0.575958653	2.952688925	-3.863335831	2.112140555	-2.425249774	1.4048645	0.6409634	1.2752843	0.7563756	6.1872536
5503000000	2.984513021	-0.523598776	2.65289482	-3.636951617	2.163991645	-2.186519763	1.3887841	0.6578887	1.28292	0.7774528	6.2499906
5503000000	2.984513021	-0.471238898	2.860763822	-2.335875974	2.075755129	-1.519404972	1.3900749	0.7641985	1.2699533	0.8395175	6.5752229
5503000000	2.984513021	-0.41887902	2.840478226	-0.765838024	1.863004453	-0.485806406	1.3868322	0.9156049	1.2392252	0.9456048	7.0190384
5503000000	2.984513021	-0.366519143	2.635685732	0.191809488	1.60569132	-0.367782357	1.3545164	1.0223285	1.2030531	1.0432517	7.2781594
5503000000	2.984513021	-0.314159265	2.18004524	0.360164147	1.372478264	0.783376127	1.2852934	1.0423371	1.1711807	1.0943817	7.2216937
5503000000	2.984513021	-0.261799388	1.544430649	0.113564419	1.177487063	0.965978148	1.1945973	1.0131604	1.1451816	1.1176322	6.986661
5503000000	2.984513021	-0.20943951	0.925789456	0.187319902	1.04198394	1.274365352	1.112473	1.0218002	1.1239557	1.1580259	6.8804825
5503000000	2.984513021	-0.157079633	0.546808767	0.843781768	0.920307431	1.792545315	1.0649775	1.102019	1.1117711	1.2292133	7.0590415
5503000000	2.984513021	-0.104719755	0.498875758	1.524375982	0.962122853	2.313005363	1.0591166	1.1918423	1.1171362	1.3051195	7.3717147
5503000000	2.984513021	-0.052359878	0.691450397	1.758302021	1.14080016	2.625958563	1.0828605	1.2243768	1.1403548	1.3530004	7.6052971
5503000000	2.984513021	-4.44E-16	0.959000815	1.507444554	1.327627438	2.623027024	1.1167348	1.1895213	1.1651487	1.3525438	7.6474537
5503000000	2.984513021	0.052359878	1.198412914	0.991949795	1.327877412	2.328375321	1.179439	1.120979	1.1712224	1.307431	7.5088391
5503000000	2.984513021	0.104719755	1.407203148	0.492117592	1.257385711	1.985524054	1.1758723	1.0582929	1.1557643	1.256829	7.3224022
5503000000	2.984513021	0.157079633	1.608818105	0.219825358	1.310760431	1.931898255	1.2034856	1.0256313	1.1373136	1.2490934	7.2638201
5503000000	2.984513021	0.20943951	1.793988652	0.278882078	1.096013109	2.12570295	1.2294176	1.0326285	1.13449	1.2727772	7.3728272
5503000000	2.984513021	0.261799388	1.951962771	0.579565217	1.161144927	2.139572177	1.2519822	1.0690014	1.143029	1.2793183	7.5010684
5503000000	2.984513021	0.314159265	2.094914796	0.833593467	1.15766674	1.695465207	1.2727577	1.1007721	1.1425714	1.2155512	7.4795472
5503000000	2.984513021	0.366519143	2.226703371								

5503000000	2.984513021	3.089232776	-25.07465856	-16.11642444	-19.3472337	-20.58529391	0.0557528	0.1563791	0.1078049	0.0934836	-13.69276
5503000000	2.984513021	3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	3.036872899	-3.141592654	-24.03857039	-21.42039355	-18.06654232	-21.9938326	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	3.036872899	-3.089232776	-19.87630608	-28.3670246	-15.41955507	-19.27370346	0.101343	0.0381606	0.1694425	0.1087213	-13.60203
5503000000	3.036872899	-3.036872899	-15.4508715	-21.71733174	-12.25413252	-14.16259653	0.1688326	0.0820634	0.2439458	0.1589259	-9.235254
5503000000	3.036872899	-2.984513021	-12.50215766	-22.36454742	-10.25266648	-10.59838019	0.2370785	0.076168	0.3071616	0.2951784	-6.786612
5503000000	3.036872899	-2.932153143	-11.21045798	-18.03827147	-9.331785243	-8.674987177	0.2750915	0.1253391	0.3415158	0.3683415	-5.111889
5503000000	3.036872899	-2.879793266	-11.48755408	-13.01281869	-8.792536003	-7.788554952	0.266454	0.223542	0.3633902	0.4079174	-4.004207
5503000000	3.036872899	-2.827433388	-13.18210707	-11.46582843	-8.571226561	-6.995136512	0.2192273	0.2671213	0.372768	0.4469338	-3.701401
5503000000	3.036872899	-2.775073511	-15.4987569	-13.31672754	-9.22135447	-8.864571686	0.1679044	0.2158558	0.3458854	0.5090629	-4.161218
5503000000	3.036872899	-2.722713633	-15.90741131	-20.85112188	-10.70066327	-5.053058954	0.1601878	0.0906659	0.2917204	0.5589167	-5.180983
5503000000	3.036872899	-2.670353756	-13.7399569	-19.46418334	-11.28299567	-5.17038255	0.2055901	0.1063631	0.2728037	0.5514179	-4.911697
5503000000	3.036872899	-2.617993878	-11.0415015	-12.18007955	-10.05839057	-6.118860927	0.2804949	0.2460345	0.3141091	0.4943755	-3.510884
5503000000	3.036872899	-2.565634	-8.844403288	-9.387720656	-8.879458052	-6.819555739	0.3612267	0.3393235	0.3597718	0.4560602	-2.404426
5503000000	3.036872899	-2.513274123	-7.665219266	-8.51010827	-8.340735356	-6.210450753	0.413751	0.3754003	0.3827923	0.4891899	-1.612509
5503000000	3.036872899	-2.460914245	-7.740781475	-8.778446204	-7.93607633	-5.084441295	0.4101672	0.3639801	0.4010478	0.5569009	-1.24916
5503000000	3.036872899	-2.408554368	-8.845195139	-9.802960945	-7.45501841	-4.245135472	0.3611938	0.3234834	0.4238829	0.6133992	-1.300142
5503000000	3.036872899	-2.35619449	-9.546246642	-10.80828161	-7.336807805	-3.655338363	0.3331867	0.2881283	0.4296943	0.6564975	-1.373351
5503000000	3.036872899	-2.303834613	-8.524681036	-10.4531338	-7.702645969	-3.113217125	0.374771	0.3001534	0.411972	0.6897779	-0.984555
5503000000	3.036872899	-2.251474735	-7.471517584	-9.085038585	-7.79828424	-2.635807937	0.4230816	0.3513566	0.4074634	0.7382605	-0.353843
5503000000	3.036872899	-2.199114858	-7.831363925	-8.135517062	-7.06739247	-2.345130955	0.4059119	0.3919441	0.4432039	0.7633847	0.0192812
5503000000	3.036872899	-2.14675498	-9.906739569	-8.162796294	-6.146682411	-2.249850787	0.3196414	0.3907151	0.4927945	0.7718048	-0.109452
5503000000	3.036872899	-2.094395102	-11.68044641	-9.240003647	-5.479455631	-2.237115305	0.260602	0.3451436	0.5321416	0.7729372	-0.396184
5503000000	3.036872899	-2.042035225	-9.436360875	-11.46034626	-4.923346047	-2.226853062	0.3374287	0.26729	0.567326	0.773851	-0.238209
5503000000	3.036872899	-1.989675347	-7.124257966	-15.46504057	-3.86119729	-2.268765893	0.4403389	0.1685575	0.6070074	0.7701259	-0.060885
5503000000	3.036872899	-1.93731547	-6.575453541	-23.38872016	-3.805491106	-2.450122177	0.4690588	0.0676962	0.6452462	0.7542128	-0.281533
5503000000	3.036872899	-1.884955592	-7.592525383	-18.06913853	-3.420561454	-2.770473573	0.4172412	0.1248944	0.6742907	0.7269028	-0.249672
5503000000	3.036872899	-1.832595715	-8.934949167	-11.34677242	-3.090498315	-3.139986555	0.3574807	0.2708079	0.700608	0.6966276	0.1101487
5503000000	3.036872899	-1.780235837	-8.098323404	-7.656030597	-2.6066911	-3.484492227	0.393626	0.4141889	0.7407387	0.6695382	0.8989909
5503000000	3.036872899	-1.72787596	-5.95199772	-5.476681654	-1.957752092	-3.833454025	0.5039647	0.5323116	0.7982012	0.6431723	1.8601894
5503000000	3.036872899	-1.675516082	-4.370946364	-4.187872243	-1.353367924	-2.65800868	0.6045785	0.6174565	0.8557198	0.6119416	2.5734654
5503000000	3.036872899	-1.623156204	-3.480703777	-3.36553458	-0.962421451	-4.762892161	0.6698303	0.6787711	0.8951152	0.5779036	2.9893712
5503000000	3.036872899	-1.570796327	-2.809356124	-2.677263451	-0.785791777	-5.136448393	0.723656	0.7347453	0.9135039	0.5553764	3.3033478
5503000000	3.036872899	-1.518436449	-1.933817577	-1.986003931	-0.718124029	-5.143554072	0.8004038	0.7956092	0.9206484	0.5512327	3.7215596
5503000000	3.036872899	-1.466076572	-0.861445705	-1.396600243	-0.652872647	-4.72654928	0.9055819	0.8514712	0.9275907	0.5803267	4.2569852
5503000000	3.036872899	-1.413716694	-0.139290165	-1.113759252	-0.526748248	-4.100945231	1.0161656	0.8954634	0.9411581	0.623667	4.7625412
5503000000	3.036872899	-1.361356817	0.907023772	-1.276703237	-0.287109478	-3.570201158	1.1100721	0.8633062	0.9674856	0.662964	5.1146806
5503000000	3.036872899	-1.308996939	1.464311559	-1.867426765	-0.112511715	-3.287895057	1.1836289	0.8065451	1.0130376	0.6848654	5.3154
5503000000	3.036872899	-1.256637061	1.931591516	-2.656007393	0.648727002	-3.148649385	1.2490493	0.7365456	1.0775473	0.6959332	5.4810207
5503000000	3.036872899	-1.204777184	2.420332672	-3.2945252	-2.706477822	-2.884390996	1.3213462	0.6843429	1.1491649	0.7174315	5.7387476
5503000000	3.036872899	-1.151917306	2.954491637	-3.71852466	1.665533011	-2.409888415	1.4055161	0.6517391	1.2113693	0.7577145	6.0768307
5503000000	3.036872899	-1.099557429	3.468168315	-4.33582641	-1.76115066	-2.00458552	1.4907623	0.6071848	1.2554683	0.793909	6.3347603
5503000000	3.036872899	-1.047197551	3.871581358	-4.662688423	2.174800017	-2.014975499	1.5616333	0.5222345	1.2850618	0.7925959	6.365211
5503000000	3.036872899	-0.994837674	4.12742113	-7.883368996	2.340031028	-2.515353477	1.6055991	0.4034889	1.3091866	0.7485698	6.1645511
5503000000	3.036872899	-0.942747796	4.189953995	-10.31844442	2.48518564	-3.111016211	1.6199354	0.3048441	1.3312448	0.698955	5.9222843
5503000000	3.036872899	-0.890117919	4.129354979	-10.43896435	2.559728022	-3.163357263	1.6086729	0.3006435	1.3427229	0.6947557	5.9042915
5503000000	3.036872899	-0.837758041	3.961600762	-8.524728301	2.348499801	-2.728962116	1.577902	0.3747689	1.3309906	0.7303851	6.0510484
5503000000	3.036872899	-0.785398163	3.716766716	-6.563729351	2.256249073	-2.416108319	1.5340458	0.4696924	1.2966192	0.7571721	6.1446338
5503000000	3.036872899	-0.733038286	3.431965726	-4.94214554	1.999096333	-2.40729211	1.4845618	0.5660994	1.2587944	0.757941	6.1653707
5503000000	3.036872899	-0.680678408	3.155808977	-3.813311663	1.703700021	-2.418710092	1.4381047	0.6446655	1.2402765	0.7569453	6.1925861
5503000000	3.036872899	-0.628318531	2.944051662	-3.395890573	1.923161662	-2.289288961	1.4034682	0.6764029	1.2478376	0.7683083	6.2266354
5503000000	3.036872899	-0.575958653	2.845860639	-3.621148897	1.2045732994	-2.200906616	1.3876918	0.6590687	1.2668834	0.7761661	6.2135011
5503000000	3.036872899	-0.523598776	2.867054423	-3.662617334	2.104447725	-2.092744783	1.391082	0.6559497	1.2741554	0.7858918	6.2500564
5503000000	3.036872899	-0.471238898	2.92996538	-2.496101484	1.984487626	-1.50034721	1.401194	0.7502309	1.2566791	0.8413615	6.5460861
5503000000	3.036872899	-0.41887902	2.898472424	-0.798611897	1.727468723	-0.458844187	1.3961228	0.9121566	1.2200382	0.9485447	6.9988748
5503000000	3.036872899	-0.366519143	2.659644523	0.324115328	1.440369155	-0.40012993	1.3582579	1.0380201	1.1803708	1.0483505	7.2816334
5503000000	3.036872899	-0.314159265	2.186413412	0.591813108	1.210590924	0.81077096	1.286236	1.0705098	1.1495544	1.0978387	7.2423685
5503000000	3.036872899	-0.261799388	1.561374655	0.356455444	1.048608255	0.969625167	1.1969299	1.039399	1.1283151	1.1180106	7.010282
5503000000	3.036872899	-0.20943951	0.962891609	0.299349678	0.930392341	1.279152168	1.1172351	1.0350467	1.1130627	1.1586643	6.8957549
5503000000	3.036872899	-0.157079633	0.585097319	0.860787324	0.67683321	1.810576669	1.0696824	1.1041787	1.1062204	1.2317678	7.0664918
5503000000	3.036872899	-0.104719755	0.518231859	1.514348109	0.949671974	2.327601905	1.0617495	1.1904671	1.115536	1.3073146	7.3746555
5503000000	3.036872899	-0.052359878	0.695636059	1.157118085	1.143255671	2.627997791	1.0833825	1.2233734	1.140677	1.3533181	7.6055837
5503000000	3.036872899	-4.44E-16	0.959000575	1.507444245	1.327627839	2.623026887	1.1167347	1.1895213	1.1651488	1.3525438	7.6474536
5503000000	3.036872899	0.052359878	1.187317872	0.995135983	1.361263818	2.234638178	1.1464784	1.1213903	1.1697049	1.308374	7.5058589
5503000000	3.036872899	0.104719755	1.363053001	0.487674608	1.235019433	1.986409378	1.1699105	1.0577517	1.152792	1.2569571	7.3049126
5503000000	3.036872899	0.15797633	1.519421418	0.201364841	0.834692493	1.912617409	1.1911627	1.0234538	1.1328528	1.2463237	7.2228824
5503000000	3.036872899	0.20943951	1.671760975	0.263653956	1.048714324	2.096058632	1.2122384	1.0308197	1.1283289	1.2729253	7.3178285
5503000000	3.036872899	0.261799388	1.820127343	0.585814							

5503000000	3.036872899	2.984513021	-20.58840612	-18.84148949	-18.22482067	-23.36198923	0.0934501	0.1142682	0.1226758	0.0679048	-14.01642
5503000000	3.036872899	3.036872899	-24.09668123	-16.29732394	-19.08307638	-21.29271437	0.0623973	0.1531559	0.1111338	0.0861716	-13.70457
5503000000	3.036872899	3.089232776	-25.74431028	-16.11053991	-19.1419913	-20.91201636	0.051616	0.1564851	0.1103826	0.0900325	-13.79642
5503000000	3.036872899	3.141592654	-24.03857039	-21.42039355	-18.06654232	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	3.089232776	-3.141592654	-24.03857017	-21.4203934	-18.06654234	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5503000000	3.089232776	-3.089232776	-19.5508237	-28.73810284	-15.68153917	-20.32050024	0.1053074	0.0365675	0.1644008	0.1092635	-13.64821
5503000000	3.089232776	-3.036872899	-15.13436343	-22.07153536	-12.50346178	-14.12339957	0.1750983	0.0787487	0.2370429	0.1967116	-9.273864
5503000000	3.089232776	-2.984513021	-12.13873381	-23.10731312	-10.42320386	-10.52917248	0.2472084	0.0699253	0.3011895	0.2975373	-6.784013
5503000000	3.089232776	-2.932153143	-10.72786204	-17.79597624	-9.510188668	-8.57258257	0.2908084	0.1288846	0.3345728	0.3727099	-4.98231
5503000000	3.089232776	-2.879793266	-10.79918893	-12.54483352	-9.019945447	-7.689366619	0.2884301	0.2359165	0.3539996	0.4126023	-3.802422
5503000000	3.089232776	-2.827433388	-12.12925886	-10.90359706	-8.774292942	-7.016327417	0.2474783	0.2849838	0.3641542	0.4458447	-3.462566
5503000000	3.089232776	-2.775073511	-13.93938095	-12.54444581	-9.391370706	-6.071539799	0.2009236	0.235927	0.339181	0.4970762	-3.923296
5503000000	3.089232776	-2.722713633	-14.33351962	-19.13013234	-10.96641308	-5.381113173	0.1920101	0.1105334	0.2829302	0.5382008	-5.00779
5503000000	3.089232776	-2.670353756	-12.65142094	-19.68066126	-11.54421181	-5.568226289	0.2330392	0.1037449	0.2647216	0.5267308	-4.972597
5503000000	3.089232776	-2.617993878	-10.5085176	-12.41994829	-9.911127173	-6.582428022	0.2982457	0.239333	0.31948	0.4686824	-3.571426
5503000000	3.089232776	-2.565634	-9.051867512	-9.769188289	-8.381486448	-7.179160299	0.3527009	0.3247436	0.3810006	0.4375644	-2.521913
5503000000	3.089232776	-2.513274123	-8.81347676	-9.346469602	-7.680697971	-6.105189572	0.3625152	0.3409389	0.4130143	0.4951543	-1.875333
5503000000	3.089232776	-2.460914245	-9.956565946	-10.46344258	-7.31420021	-4.531506897	0.317813	0.2997974	0.4309035	0.5935054	-1.713035
5503000000	3.089232776	-2.408554368	-11.43797439	-12.56953351	-6.951135902	-3.474382252	0.2679793	0.2352466	0.4492036	0.6703818	-1.815581
5503000000	3.089232776	-2.35619449	-10.41155253	-13.1824472	-6.927738006	-2.926278565	0.3015938	0.2192187	0.4504153	0.71398	-1.487531
5503000000	3.089232776	-2.303834613	-8.349134216	-10.60386404	-7.459265714	-0.71232508	0.3824224	0.2949897	0.4236788	0.740267	-0.717836
5503000000	3.089232776	-2.251474735	-7.653287642	-8.075996804	-7.899321831	-2.400324132	0.4143197	0.3946391	0.4027485	0.7585493	-0.130144
5503000000	3.089232776	-2.199114858	-8.762053331	-7.789301495	-7.437746547	-2.354748512	0.3646677	0.4576515	0.4247297	0.7625399	0.0415446
5503000000	3.089232776	-2.14675498	-10.9098183	-7.626576518	-6.580310683	-2.527494688	0.2847797	0.4609684	0.4687966	0.7475242	-0.166314
5503000000	3.089232776	-2.094395102	-10.34437825	-7.760293793	-5.949210956	-2.798819365	0.3039353	0.4092468	0.5041264	0.7245344	-0.256318
5503000000	3.089232776	-2.042035225	-7.797700971	-7.996585703	-5.427541674	-2.964091771	0.4074881	0.3327209	0.5353316	0.7108786	-0.098625
5503000000	3.089232776	-1.989675347	-6.578512162	-12.8051545	-4.754287267	-2.987325805	0.4688937	0.2329509	0.5784764	0.7089796	-0.064075
5503000000	3.089232776	-1.93731547	-7.03207471	-16.39660666	-3.994567031	-3.037616007	0.4451294	0.1514153	0.6313521	0.7048865	-0.296937
5503000000	3.089232776	-1.884955592	-8.379731894	-16.69619687	-3.740092593	-3.260277199	0.3810776	0.3498389	0.6807621	0.6870465	-0.467646
5503000000	3.089232776	-1.832595715	-8.32790721	-12.82644446	-2.779354842	-3.645607391	0.3833581	0.2283904	0.7261599	0.6572334	-0.021125
5503000000	3.089232776	-1.780235837	-6.426902802	-9.429991641	-2.13746391	-4.070565884	0.4771499	0.3376762	0.7818561	0.6258521	0.9163693
5503000000	3.089232776	-1.72787596	-4.773702857	-7.060621148	-1.377878838	-4.410323143	0.5771848	0.4435769	0.8533085	0.6018439	1.8541113
5503000000	3.089232776	-1.675516082	-3.941511835	-5.363150103	-0.684929038	-4.621126082	0.6352204	0.539315	0.9241736	0.5874132	2.5619152
5503000000	3.089232776	-1.623156204	-3.560600087	-3.979631739	-0.22852164	-4.705150394	0.6636972	0.6324387	0.974033	0.8157582	3.08217
5503000000	3.089232776	-1.570796327	-3.02551847	-2.705782883	-0.081269739	-4.62065693	0.7058689	0.7323368	0.9978998	0.5874449	3.5897471
5503000000	3.089232776	-1.518436449	-2.104801125	-1.557667838	-0.058177453	-4.287736715	0.7848017	0.8338274	1.0067204	0.6103981	4.1842599
5503000000	3.089232776	-1.466076572	-1.119866767	-0.68652594	0.128479533	-3.702556256	0.879036	0.9240037	1.014907	0.6529384	4.7881914
5503000000	3.089232776	-1.4137116694	-0.380629763	-0.249799434	0.029010599	-3.02274482	0.9571247	0.9716054	1.0302914	0.7060944	5.1260944
5503000000	3.089232776	-1.361356817	0.100763878	-0.347114449	0.465933853	-2.488679803	1.0116684	0.960825	1.0551075	0.7508722	5.5257266
5503000000	3.089232776	-1.308996939	0.513434816	-0.994303486	0.756665493	-2.241688796	1.0608934	0.9818356	1.0910203	0.7725204	5.612204
5503000000	3.089232776	-1.256637061	1.055159772	-2.089782741	1.129136869	-2.196202888	1.1291665	0.7861599	1.1388246	0.7765865	5.654048
5503000000	3.089232776	-1.204277184	1.761686768	-3.398859073	1.533409514	-2.079979514	1.224854	0.6761718	1.1930825	0.7870476	5.7586219
5503000000	3.089232776	-1.151917306	2.505172112	-4.688070898	1.882199104	-1.743151854	1.3343157	0.5829302	1.2419667	0.8181678	5.9712839
5503000000	3.089232776	-1.099557429	3.132620113	-5.980613674	1.210294815	-1.406990062	1.4342703	0.5023071	1.2764821	0.8504534	6.1574329
5503000000	3.089232776	-1.047197551	3.562981065	-7.437580493	2.26406657	-1.415425632	1.5071242	0.4247379	1.2977867	0.8496278	6.1910632
5503000000	3.089232776	-0.994837674	3.79278548	-8.70371966	2.373815717	-1.869191448	1.5475307	0.367125	1.3142887	0.8063813	6.0969721
5503000000	3.089232776	-0.942477796	3.857145221	-8.804846179	2.484040775	-2.437485597	1.55904	0.3628755	1.3310735	0.7553108	6.0386042
5503000000	3.089232776	-0.890119719	3.788510361	-7.927852079	2.543539814	-2.561455529	1.5467692	0.4014278	1.3402228	0.7446072	6.0920225
5503000000	3.089232776	-0.837758041	3.604302667	-7.039934648	2.457773378	-2.253067725	1.5143112	0.4446364	1.3270481	0.771519	6.1445893
5503000000	3.089232776	-0.783981363	3.330360682	-6.167414154	2.13708823	-2.036658121	1.4672797	0.4196197	1.2902843	0.7909829	6.1074228
5503000000	3.089232776	-0.733038286	3.02913863	-4.965363492	1.934947696	-2.088999723	1.4172842	0.5645706	1.249532	0.7862307	6.0857718
5503000000	3.089232776	-0.680678408	2.792179759	-3.756711623	1.789365735	-2.146118473	1.379142	0.64888	1.2287635	0.7810774	6.1024315
5503000000	3.089232776	-0.628318531	2.692680348	-3.157052385	1.831544221	-2.060356798	1.3634337	0.6952602	1.2347448	0.7888277	6.197427
5503000000	3.089232776	-0.575958653	2.739992274	-3.30611632	1.947710729	-2.025302286	1.3708805	0.6815056	1.2513694	0.7920177	6.2261182
5503000000	3.089232776	-0.523598776	2.869878159	-3.557016994	1.965864161	-1.984160974	1.3915343	0.6639711	1.2539875	0.795778	6.2462365
5503000000	3.089232776	-0.471238898	2.968818267	-2.562359042	1.801321778	-1.441590409	1.4074757	0.7445297	1.230456	0.8470723	6.50525
5503000000	3.089232776	-0.41887902	2.922179612	-0.800180075	1.505820039	-0.412440495	1.3999386	0.9119919	1.1892989	0.9536258	6.9560718
5503000000	3.089232776	-0.366519143	2.66193248	0.451814336	1.20878658	-0.449233977	1.3586157	1.0533937	1.1493157	1.0530808	7.2617159
5503000000	3.089232776	-0.314159265	2.192171127	0.808386907	1.005710391	0.829580099	1.2870889	1.0975374	1.1227563	1.1002187	7.2488891
5503000000	3.089232776	-0.261799388	1.597001465	0.556166764	0.894375791	0.27289734	1.2018495	1.0661255	1.1084568	1.1184466	7.0337553
5503000000	3.089232776	-0.20943951	1.027665721	0.427655271	0.831164845	1.29027624	1.2255973	1.1050678	1.1004194	1.1601491	6.9204727
5503000000	3.089232776	-0.157079633	0.647767872	0.891334706	0.825740794	1.834740953	1.0774283	1.1084688	1.0997324	1.2351993	7.082993
5503000000	3.089232776	-0.104719755	0.551519217	1.50839456	0.934464874	2.344929201	1.0655552	1.1896514	1.1135847	1.3099251	7.3819345
5503000000	3.089232776	-0.052359878	0.703885121	1.743951496	1.145324791	3.43039916	1.0844119	1.2223556	1.140949	1.3536987	7.6067852
5503000000	3.089232776	-4.44E-16	0.959000772	1.507444136	1.372627778	2.623026815	1.1167348	1.1895213	1.1651488	1.3525438	7.6474536
5503000000	3.089232776	0.052359878	1.178257418	1.000036321	1.349246979	2.341633293	1.1452831	1.1220231	1.1680525	1.3094281	7.5037343
5503000000	3.089232776	0.104719755	1.325868895	0.488395571	1.20952151	1.986659857	1.1649129	1.0578395	1.1494129	1.2569934	7.2894441
5503000000	3.089232776	0.157079633	1.440634491	0.192							

5503000000	3.089232776	2.879793266	-16.97424504	-11.0482758	-23.58112864	-12.68725884	0.1416732	0.2802762	0.066213	0.2320796	-8.87103
5503000000	3.089232776	2.932153143	-17.88199725	-14.3266168	-19.60679927	-18.3273001	0.1276145	0.1921627	0.1046309	0.1212369	-11.28239
5503000000	3.089232776	2.984513021	-20.20977453	-18.92892611	-18.50973612	-24.31101096	0.0976138	0.1131237	0.1187171	0.0608765	-14.19194
5503000000	3.089232776	3.036872899	-24.15937392	-16.3706549	-18.92493051	-22.15474994	0.0619486	0.1518683	0.1131758	0.0780302	-13.87101
5503000000	3.089232776	3.089232776	-26.35826492	-16.10855764	-18.9253781	-21.25919374	0.0480935	0.1565208	0.1131699	0.0865048	-13.88676
5503000000	3.089232776	3.141592654	-24.03857017	-21.4203934	-18.06654234	-21.99383232	0.0628162	0.0849142	0.1249318	0.0794892	-15.08601
5835000000	0	-3.141592654	-21.91534299	-22.79366719	-20.12386403	-23.55774188	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0	-3.089232776	-19.97005277	-22.65805016	-18.35731601	-21.4958626	0.1003454	0.0736372	0.1208187	0.0841796	-14.44825
5835000000	0	-3.036872899	-16.52709503	-21.64181885	-17.92964679	-20.61282173	0.1491576	0.0827769	0.1269164	0.0931878	-12.91709
5835000000	0	-2.984513021	-12.52829225	-15.76671025	-19.55431381	-16.71161306	0.2363662	0.1628038	0.1052651	0.1460224	-9.756222
5835000000	0	-2.932153143	-9.914525372	-12.61412211	-20.83250217	-14.4980533	0.139355	0.2340421	0.0908605	0.1884071	-7.611197
5835000000	0	-2.879793266	-9.061475586	-12.31082719	-16.89300201	-15.20031608	0.352311	0.2423587	0.1430046	0.1737738	-6.825961
5835000000	0	-2.827433388	-9.591972923	-12.80710592	-13.86840588	-14.44156904	0.3314373	0.2288994	0.2025721	0.1896363	-6.442888
5835000000	0	-2.775073511	-10.40280589	-10.43857405	-12.78750268	-12.12107966	0.3018976	0.300657	0.2294166	0.2477114	-5.354678
5835000000	0	-2.722713633	-10.6827959	-7.793378428	-12.03869668	-12.57939172	0.2923211	0.407691	0.2500721	0.2349797	-4.545765
5835000000	0	-2.670353756	-10.6575614	-6.92980324	-10.51039307	-17.49120525	0.2931716	0.4503802	0.2981625	0.1334872	-4.618885
5835000000	0	-2.617993878	-9.538802435	-7.065552947	-9.392971482	-18.89871412	0.3334724	0.416555	0.3391185	0.1135179	-4.417716
5835000000	0	-2.565634	-7.517905637	-8.300400557	-9.624365203	-11.60983345	0.4208281	0.384574	0.3302036	0.2627292	-3.108376
5835000000	0	-2.513274123	-5.997700627	-7.376655103	-10.97735754	-7.680397262	0.5013199	0.2777276	0.282574	0.4130286	-1.805403
5835000000	0	-2.460914245	-5.19744831	-6.160567821	-11.94358886	-5.341601461	0.5497023	0.4920074	0.2528253	0.5406546	-0.746891
5835000000	0	-2.408554368	-4.818471737	-5.863997482	-11.22326973	-4.129919558	0.5742175	0.5090965	0.274686	0.62159	-0.089095
5835000000	0	-2.35619449	-4.941220535	-6.370938616	-9.668048243	-4.073287578	0.5661597	0.4802342	0.3285471	0.625656	-0.005923
5835000000	0	-2.303834613	-5.978481969	-6.902718117	-7.973622661	-5.31542133	0.5024304	0.4517146	0.399318	0.5423041	-0.464901
5835000000	0	-2.251474735	-8.026267614	-6.847065522	-6.49445919	-8.037655131	0.396905	0.454618	0.4734532	0.396385	-1.303159
5835000000	0	-2.199114858	-9.732465449	-6.480703331	-5.549932251	-12.02556325	0.3261195	0.4724206	0.5278413	0.2504505	-2.055076
5835000000	0	-2.14675498	-9.511715444	-6.062347988	-5.163914324	-14.0039903	0.3345139	0.4976026	0.5518287	0.1994346	-2.028988
5835000000	0	-2.094395102	-9.182781448	-5.369822852	-4.926107345	-12.36385996	0.3474249	0.5389008	0.5671457	0.2408835	-1.440512
5835000000	0	-2.042035225	-9.312763011	-4.458849143	-4.247646482	-11.2824659	0.3422645	0.5984909	0.6132219	0.2728203	-0.786791
5835000000	0	-1.989675347	-8.273897718	-3.83541853	-3.144389454	-11.53797407	0.3857493	0.6430268	0.6962746	0.2649118	-0.407302
5835000000	0	-1.93731547	-6.276472074	-3.864139985	-2.155374392	-12.79955248	0.4854856	0.640904	0.7802455	0.2290986	0.5703423
5835000000	0	-1.884955592	-4.794026001	-4.552625249	-1.593824886	-14.19562969	0.5758359	0.5920641	0.8323553	0.1950826	0.8094275
5835000000	0	-1.832595715	-4.135892653	-5.487329185	-1.42397905	-13.26349884	0.6211627	0.5316595	0.8487916	0.2171826	0.9017488
5835000000	0	-1.780235837	-3.83009075	-5.818469835	-1.433634929	-9.513902645	0.6434213	0.511772	0.8478485	0.3344297	1.3543267
5835000000	0	-1.72787596	-3.245416796	-5.18803198	-1.434670388	-5.811565141	0.688223	0.5502986	0.8477474	0.512179	2.2736805
5835000000	0	-1.675516082	-2.441552243	-4.284033423	-1.433648458	-3.163361938	0.7549573	0.6106584	0.8478472	0.6947554	3.2519399
5835000000	0	-1.623156204	-1.831535227	-3.652021447	-1.588589507	-1.497286587	0.809885	0.6567483	0.8328572	0.841658	3.9211699
5835000000	0	-1.570796327	-1.429952514	-3.282703048	-2.006074965	-0.486984832	0.8482107	0.6852749	0.7937729	0.9454765	4.2776169
5835000000	0	-1.518436449	-0.938188541	-2.929975071	-2.622158434	0.0219185464	0.897616	0.7136763	0.7394215	1.0255557	4.5481422
5835000000	0	-1.466076572	-0.139446569	-2.436709565	-3.225955713	0.811729331	0.9840738	0.7553783	0.6897667	1.0979599	4.9279494
5835000000	0	-1.4137116694	0.806219069	-1.883546473	-1.210347695	0.10972636	1.0972636	0.8009497	0.6619979	1.1495223	5.3758485
5835000000	0	-1.361356817	1.587547855	-1.466517146	-3.574536588	1.162529338	1.2005421	0.8464649	0.6626332	1.1432112	5.6909411
5835000000	0	-1.308996939	2.136139519	-1.272960476	-0.452895003	0.452895003	1.2788128	0.8636782	0.6892471	1.0535248	5.7678083
5835000000	0	-1.256637061	2.607033373	-1.170192528	-2.672671522	-0.923925017	1.3500556	0.8739576	0.7351339	0.8990912	5.7071811
5835000000	0	-1.2042777184	3.103285907	-0.906975056	-2.033311357	-2.629810748	1.4294346	0.9008474	0.7912877	0.7387704	5.7119116
5835000000	0	-1.151917306	3.538157348	-0.411345792	-1.42819024	-4.097230786	1.5028231	0.953746	0.8483801	0.6239337	5.8647819
5835000000	0	-1.099557429	3.751375265	0.088808084	-0.914469786	-5.183609139	1.5401704	1.0102769	0.9000705	0.5955789	6.0229807
5835000000	0	-1.047197551	3.67636399	0.323662624	-0.508515932	-6.223722148	1.5269267	1.037966	0.9431357	0.488443	6.0129345
5835000000	0	-0.994837674	3.399754974	0.233981767	-0.228226279	-7.165828053	1.4790667	1.073064	0.9740667	0.4382366	5.8421831
5835000000	0	-0.942477796	3.071549841	-0.014970653	-0.10117789	-7.453425493	1.4242214	0.9982777	0.988419	0.4236368	5.6544404
5835000000	0	-0.890119719	2.748413631	-0.295480216	-0.125597878	-6.600875877	1.3722103	0.9665539	0.9856441	0.467688	5.5569867
5835000000	0	-0.837758041	2.373299046	-0.807709543	-0.231869145	-4.575019833	1.3142106	0.9112017	0.9736582	0.5905396	5.5512906
5835000000	0	-0.785398163	1.907613758	-1.913596565	-0.302326259	-2.271697667	1.245606	0.8022693	0.9657922	0.769866	5.5373516
5835000000	0	-0.733038286	1.419452993	-3.60198202	-0.257580562	-0.608825149	1.1775318	0.6605427	0.9707803	0.9323066	5.439529
5835000000	0	-0.680678408	1.024277055	-4.725929444	-0.121425891	0.174682358	1.1251589	0.5803681	0.9861176	1.0203146	5.371464
5835000000	0	-0.628318531	0.749892363	-4.142010945	0.015271726	0.32825926	1.090171	0.6207253	1.0017598	1.0385155	5.4627385
5835000000	0	-0.575958653	0.511355765	-3.169432243	0.078891261	0.359261235	1.0606395	0.69427	1.0091241	1.0422288	5.5893744
5835000000	0	-0.523598776	0.242051029	-2.750627641	0.065108367	0.686739579	1.0282591	0.7285655	1.007524	1.0822734	5.6809094
5835000000	0	-0.471238898	0.102815494	-2.446587863	0.023564289	1.291324359	1.0014765	0.7545197	1.0027166	1.1602891	5.8429098
5835000000	0	-0.41887902	-0.006415868	-1.676681149	-0.024887203	1.760834231	0.9992616	0.8244531	0.9971389	1.2247338	6.1190318
5835000000	0	-0.366519143	0.258007192	-0.831446631	-0.148504351	1.6194245	1.0301497	0.9087149	0.9830481	1.2049561	6.2918136
5835000000	0	-0.314159265	0.654004616	-0.508182488	-0.442319118	0.765981844	1.0782022	0.9431719	0.950351	0.9129233	6.1582977
5835000000	0	-0.261799388	0.939732018	-0.705507087	-0.901159563	0.0121732871	1.1142602	0.9219867	0.901447	1.041137	5.9153158
5835000000	0	-0.20943951	0.987371734	-0.882213219	-1.3640705	0.820051939	1.1203884	0.9034192	0.8546661	1.0990124	5.915735
5835000000	0	-0.157079633	0.825496286	-0.573636161	-1.624748467	1.757528163	1.0997015	0.9360913	0.8293972	1.2242677	6.1217145
5835000000	0	-0.104719755	0.546043881	-0.015821851	-1.629670292	1.775432387	1.0648837	0.9981801	0.8289274	1.2267939	6.2747829
5835000000	0	-0.052359878	0.201981088	0.353389619	-1.475969119	1.029163769	1.0235264	1.0415245	0.8437262	1.1257921	6.0953434
5835000000	0	-4.44E-16	-0.187012866	0.410326745	-1.242996311	0.470273902	0.9786995	1.0483742	0.8666629	1.0556348	5.9099595
5835000000	0	0.052359878	-0.521942139	0.26422879	-0.942146001	0.407194735	0.941679	1.0388779	0.8972071	1.0473449	5.8387353
5835000000	0	0.104719755	-0.593906494	0.040021878	-0.59100706	0.102731316	0.9339092	1.0046183	0.934221	1.0118976	5.7664295
5835000000	0	0.157079633	-0.279365084	0.243137966	-0.263941365	-0.595887429	0.9683486	0.9723959	0.9700697	0.9336963	5.676221
5835000000	0	0.20943951	0.303995546	-0.575916287	-0.056273324	-1.137410755	1.0356184	0.9358456	0.9935422	0.8752623	5.

5835000000	0	2.775073511	-14.33846259	-10.28554162	-12.94476446	-7.755319959	0.1919008	0.3060011	0.2253003	0.4094812	-4.938429
5835000000	0	2.827433388	-14.19653373	-10.66326293	-12.93708994	-7.921090164	0.1950623	0.2929792	0.2254995	0.4017404	-5.072911
5835000000	0	2.879793266	-13.33275169	-13.65308332	-13.10292756	-7.788140112	0.2154579	0.2076566	0.2212349	0.4079369	-5.577921
5835000000	0	2.923153143	-13.11851436	-20.52458007	-13.72248622	-7.829553701	0.2208382	0.0941393	0.206004	0.4059965	-6.679211
5835000000	0	2.984513021	-14.64830591	-30.17059677	-15.26777664	-8.671277733	0.185176	0.0310077	0.1724293	0.3684988	-8.437398
5835000000	0	3.036872899	-18.40819491	-25.81137041	-18.05592671	-11.03809158	0.1201131	0.055129	0.1250845	0.280605	-10.79676
5835000000	0	3.089232776	-22.58487274	-25.09408037	-20.76514597	-16.23767676	0.0742602	0.0516283	0.0915678	0.1542113	-14.52452
5835000000	0	3.141592654	-21.91534299	-22.79366719	-20.12386043	-23.55774188	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.052359878	-3.141592654	-21.91534337	-22.79366715	-20.12386039	-23.55774197	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.052359878	-3.089232776	-19.81143765	-22.40033769	-18.26548957	-21.59749632	0.1021946	0.0758283	0.1221028	0.0832004	-14.34923
5835000000	0.052359878	-3.036872899	-16.71882784	-21.54758442	-17.7531949	-20.50602808	0.1459011	0.0836798	0.129521	0.0943406	-12.89015
5835000000	0.052359878	-2.984513021	-12.9396409	-15.81647892	-19.171744054	-16.45824217	0.2254332	0.1618736	0.110695	0.1503446	-9.784457
5835000000	0.052359878	-2.932153143	-10.29352242	-12.65742825	-19.73881041	-14.5165216	0.30572	0.2328781	0.1030527	0.188007	-7.64262
5835000000	0.052359878	-2.879793266	-9.310660276	-12.29335899	-16.19724794	-15.79362564	0.3423474	0.2428466	0.1549307	0.1623001	-6.91238
5835000000	0.052359878	-2.827433388	-9.786033736	-12.64314996	-13.51199899	-14.58888253	0.3241144	0.2332612	0.2110571	0.1864472	-6.421625
5835000000	0.052359878	-2.775073511	-10.88675762	-10.41033996	-12.52616816	-11.51394406	0.2855368	0.3016359	0.236424	0.2656457	-5.278109
5835000000	0.052359878	-2.722713633	-11.76373423	-8.008564191	-11.67515163	-11.67515163	0.258115	0.3977148	0.2590302	0.2607609	-4.615254
5835000000	0.052359878	-2.670353756	-12.69950614	-7.311777082	-10.17858231	-16.80939766	0.2317526	0.4309344	0.3097925	0.1443877	-5.060569
5835000000	0.052359878	-2.617993878	-12.7360523	-7.976931383	-8.99524314	-12.349918	0.2307796	0.3991659	0.3550044	0.085066	-5.428413
5835000000	0.052359878	-2.565634	-10.41278338	-8.343712649	-8.985605978	-12.04937035	0.301551	0.3826611	0.3565065	0.2497649	-8.30555
5835000000	0.052359878	-2.513274123	-7.896266841	-7.289694816	-9.797932586	-8.121297189	0.4028902	0.4320313	0.3236707	0.2935863	-2.207364
5835000000	0.052359878	-2.460914245	-6.098758371	-6.282968021	-10.6117994	-6.032879667	0.495521	0.4851227	0.2942703	0.4992936	-1.038308
5835000000	0.052359878	-2.408554368	-4.865393744	-6.203818731	-10.71643724	-4.944492893	0.5711239	0.4895365	0.2911911	0.5659465	-0.36442
5835000000	0.052359878	-2.35619449	-4.262551877	-6.743614527	-9.976399108	-4.798843414	0.6121705	0.4600651	0.3170882	0.5755166	-0.154055
5835000000	0.052359878	-2.303834613	-4.51181829	-7.067788102	-8.502636702	-5.735956119	0.5948522	0.4432111	0.3752723	0.5156659	-0.307458
5835000000	0.052359878	-2.251474735	-5.648902259	-6.888176061	-6.986273503	-7.946490611	0.5218611	0.4524154	0.44739	0.4050673	-0.808251
5835000000	0.052359878	-2.199114858	-7.214053726	-6.737002438	-6.02773068	-11.41392917	0.4358101	0.4604175	0.4995897	0.2687222	-1.594728
5835000000	0.052359878	-2.14675498	-8.265641904	-6.702472606	-5.641721448	-13.69529142	0.3861161	0.4622494	0.5229292	0.20665	-2.062629
5835000000	0.052359878	-2.094395102	-8.735780035	-6.128668486	-5.310697818	-12.02215271	0.3657725	0.4622494	0.5229292	0.20665	-2.062629
5835000000	0.052359878	-2.042035225	-9.295551497	-4.907767219	-4.443415545	-10.54113509	0.3429434	0.5683445	0.5995553	0.2971278	-0.867771
5835000000	0.052359878	-1.989675347	-9.474424094	-3.817931875	-3.19673627	-10.66609671	0.3359532	0.6443227	0.6920888	0.2928837	-0.152251
5835000000	0.052359878	-1.93731547	-8.394019205	-3.350543618	-2.139583126	-12.22597709	0.3804513	0.6799435	0.7816653	0.2447379	0.369008
5835000000	0.052359878	-1.884955592	-6.691931426	-3.484681008	-1.515413216	-13.76780384	0.4628107	0.6695237	0.8399034	0.204932	0.7372463
5835000000	0.052359878	-1.832595715	-5.201511356	-3.856308938	-1.252313115	-11.77050556	0.5494453	0.6414821	0.8684283	0.2579139	1.2789311
5835000000	0.052359878	-1.780235837	-4.107501101	-3.937801096	-1.042921628	-8.026523023	0.6231964	0.6354491	0.8868577	0.3968934	2.0844117
5835000000	0.052359878	-1.72787596	-3.290063593	-3.542672874	-0.82785503	-4.961600087	0.6846945	0.6506885	0.9090908	0.5684329	2.99573
5835000000	0.052359878	-1.675516082	-2.562630076	-3.014315223	-0.632696355	-2.846099498	0.7445065	0.70678	0.9297478	0.7206013	3.8112156
5835000000	0.052359878	-1.623156204	-1.786894658	-2.670481014	-0.609140035	-1.55531248	0.8140578	0.7353193	0.9327278	0.8360541	4.3961528
5835000000	0.052359878	-1.570796327	-0.926161547	-2.50875119	-0.855279934	-0.85401475	0.8988597	0.7491391	0.9062249	0.9063569	4.7623396
5835000000	0.052359878	-1.518436449	-0.079186305	-2.348398032	-1.354138816	-0.464450192	0.9909248	0.7630976	0.8556439	0.9479327	5.0025399
5835000000	0.052359878	-1.466076572	0.592677575	-2.070233213	-1.995338902	-0.215292336	1.0706164	0.7879313	0.7947546	0.9755182	5.1740797
5835000000	0.052359878	-1.4131716694	1.041964729	-1.740085519	-2.629664252	-0.154016741	1.1274525	0.8184567	0.7387828	0.9824245	5.2658941
5835000000	0.052359878	-1.361356817	1.403750824	-1.514476853	-3.11928425	-0.480068999	1.175405	0.8399399	0.6982899	0.9462296	5.2488825
5835000000	0.052359878	-1.308996939	1.873244353	-1.450157432	-3.365099045	-1.335917741	1.240687	0.8462372	0.678805	0.9857407	5.1611742
5835000000	0.052359878	-1.256637061	2.510154507	-1.408240021	-3.323957686	-2.554494039	1.3350813	0.850331	0.6820279	0.7452042	5.1359043
5835000000	0.052359878	-1.204277184	3.152782763	-1.168012123	-3.02235957	-3.587712726	1.4376036	0.874177	0.7061257	0.6616287	5.2952589
5835000000	0.052359878	-1.159197306	3.554430913	-0.70088161	-2.535231078	-4.16020771	1.5056414	0.9224778	0.7468587	0.6194263	5.5622718
5835000000	0.052359878	-1.099575429	3.603083685	-0.24252798	-1.946010709	-4.731817174	1.5140987	0.9724642	0.799778	0.5979748	5.7253463
5835000000	0.052359878	-1.047197551	3.396322313	-0.044295515	-1.310712867	-5.656724393	1.4784823	0.9949174	0.8599325	0.5213913	5.6992466
5835000000	0.052359878	-0.994836764	3.134827455	-0.149499978	-0.727987781	-6.695222023	1.4346348	0.9829355	0.9196035	0.4626354	5.5746359
5835000000	0.052359878	-0.942477796	2.926635627	-0.396362532	-0.267863621	-7.325354036	1.400657	0.9553926	0.9696317	0.4302613	5.473779
5835000000	0.052359878	-0.890117919	2.690291178	-0.696527221	-0.046558621	-6.839163062	1.3630587	0.9229494	1.0051544	0.4550319	5.4511854
5835000000	0.052359878	-0.837758041	2.287747678	-1.30543909	0.250093899	-4.793250798	1.3013298	0.8604548	1.0292116	0.5758872	5.4990438
5835000000	0.052359878	-0.785398163	1.732872774	-2.62057089	-0.412930319	-2.409361868	1.2207975	0.7395567	1.0486885	0.7577604	5.4988585
5835000000	0.052359878	-0.733038286	1.225960734	-4.558125535	-0.553683892	-0.837592482	1.1515904	0.9516893	1.0658208	0.9080732	5.3836549
5835000000	0.052359878	-0.680678408	0.944617302	-5.437544254	0.626552557	-0.237463394	1.114887	0.5347155	1.0747999	0.9730313	5.3374083
5835000000	0.052359878	-0.628318531	0.830155545	-4.154238681	0.567255921	-0.148152002	1.1002915	0.6198521	1.0674875	0.983088	5.5078838
5835000000	0.052359878	-0.575958653	0.672447761	-2.812326739	0.36191151	-0.139324466	1.0804941	0.7234086	1.0425468	1.0161697	5.7170379
5835000000	0.052359878	-0.523598776	0.368706505	-2.292463091	0.086333581	0.836155399	1.0433627	0.7680272	1.0099891	1.1010518	5.850507
5835000000	0.052359878	-0.471238898	0.061979785	-2.06666361	-0.12847469	-0.17964569	1.0071612	0.7882552	0.9853177	1.1964569	5.9709289
5835000000	0.052359878	-0.41887902	0.018319079	-1.457177442	-0.222343696	1.906860704	1.0021113	0.8455536	0.9747266	1.245498	6.1667829
5835000000	0.052359878	-0.366519143	0.312511458	-0.704510374	-0.289709524	1.60262496	1.0366343	0.9220925	0.9671961	1.2026278	6.2953525
5835000000	0.052359878	-0.314159265	0.726266333	-0.395197379	-0.477415081	0.668473741	1.0872097	0.9555208	0.9465188	1.0799998	6.1696856
5835000000	0.052359878	-0.261799388	0.995331822	-0.582203833	-0.819124243	0.079325073	1.1241156	0.9351684	0.910005	1.0091745	5.9678108
5835000000	0.052359878	-0.20943951	1.014775152	-0.770148809	-1.18733642	0.856372129	1.1239287	0.9151506	0.8722343	1.1036176	6.0529622
5835000000	0.052359878	-0.157079633	0.831995803	-0.494530463	-1.415185976	1.797889841	1.1005247	0.9446555	0.8496513	1.2299696	6.287461
5835000000	0.052359878	-0.104719755	0.539207247	-0.037261789	-1.463912361	1.796477301	1.0640459	1.0042991	0.8448982	1.2297699	6.3257623
5835000000	0.052359878	-0.052359878	0.189593722	0.383552558	-1.397392428	1.034794684	1.0220678	1.0541476	0.8513936</		

5835000000	0.052359878	2.670353756	-14.35560607	-15.1809159	-11.18341968	-6.621717138	0.1915225	0.1741623	0.2759491	0.4665671	-5.128229
5835000000	0.052359878	2.722713633	-13.39503402	-11.09877321	-12.72735831	-7.256056196	0.2139185	0.2786515	0.229817	0.4337078	-4.760732
5835000000	0.052359878	2.775073511	-14.10414866	-9.360483499	-13.5277101	-7.740462809	0.1971481	0.3403892	0.2106757	0.4101822	-4.743464
5835000000	0.052359878	2.827433388	-14.72042582	-9.862804686	-13.53279036	-7.95792535	0.1836448	0.3212623	0.2105525	0.4000403	-5.071209
5835000000	0.052359878	2.879793266	-13.79781738	-12.78003759	-13.5519279	-7.834193922	0.2042251	0.2296139	0.2100924	0.4057797	-5.599204
5835000000	0.052359878	2.923153143	-13.13451623	-19.07788012	-14.17276618	-7.924818655	0.2204318	0.1112003	0.1955969	0.401568	-6.662185
5835000000	0.052359878	2.984513021	-14.29499119	-27.51896874	-15.82712647	-8.770239056	0.1928637	0.0420777	0.1616753	0.3643242	-8.393582
5835000000	0.052359878	3.036872899	-17.78382317	-25.78013444	-18.62418467	-11.07269304	0.1277347	0.0514036	0.1171631	0.2794984	-10.81531
5835000000	0.052359878	3.089327776	-22.50485259	-25.43993981	-21.02860456	-16.20143952	0.0749475	0.0534568	0.0888321	0.1548456	-14.60758
5835000000	0.052359878	3.141592654	-21.91534337	-22.79366715	-20.12386039	-23.55774197	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.104719755	-3.141592654	-21.91534299	-22.79366707	-20.12386039	-23.55774193	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.104719755	-3.089232776	-19.65097705	-22.13933256	-18.17421758	-21.70341418	0.1041001	0.0781688	0.1233926	0.082192	-14.24725
5835000000	0.104719755	-3.036872899	-16.92819389	-21.42368133	-17.54903334	-20.419329	0.1424263	0.0848821	0.1326015	0.095287	-12.85662
5835000000	0.104719755	-2.984513021	-13.44846836	-15.8978072	-18.58643148	-16.28299283	0.1226065	0.160365	0.1176734	0.1534088	-9.842157
5835000000	0.104719755	-2.932153143	-10.80373931	-12.71802545	-18.71645797	-14.59626506	0.288279	0.231259	0.115925	0.1862888	-7.725786
5835000000	0.104719755	-2.879793266	-9.697881234	-12.23772785	-15.60667882	-16.46729326	0.3274206	0.244407	0.1658311	0.150188	-7.05384
5835000000	0.104719755	-2.827433388	-10.127048	-12.4289268	-13.24190261	-14.70362828	0.311636	0.2390857	0.2177233	0.1840003	-6.443799
5835000000	0.104719755	-2.775073511	-11.54976602	-10.43647605	-12.37038045	-10.9178162	0.2645524	0.3007296	0.2407027	0.2845176	-5.268068
5835000000	0.104719755	-2.722713633	-13.01104564	-8.341948343	-11.63487828	-10.63211521	0.2235876	0.3827389	0.2619727	0.2940318	-4.714004
5835000000	0.104719755	-2.670353756	-14.54510603	-7.842190557	-10.14136036	-14.79820873	0.1873893	0.4054063	0.3111229	0.1820076	-5.304595
5835000000	0.104719755	-2.617993878	-16.22568266	-8.500360662	-8.905418997	-22.68738145	0.1544244	0.3758218	0.3586981	0.073389	-6.35409
5835000000	0.104719755	-2.565634	-14.59106489	-8.549873818	-8.638116886	-12.96291399	0.1864004	0.3736856	0.3699084	0.22483	-4.770282
5835000000	0.104719755	-2.513274123	-10.93636574	-7.389623702	-9.152648878	-12.91258546	0.2839107	0.4270894	0.3486322	0.370627	-9.123204
5835000000	0.104719755	-2.460914245	-8.01069323	-6.572823258	-8.9904373	-6.463646405	0.3976174	0.4629009	0.3202419	0.4751357	-1.606956
5835000000	0.104719755	-2.408554368	-5.928865234	-6.690786094	-10.27617356	-5.433218768	0.5053087	0.4628718	0.3063313	0.5349819	-0.869459
5835000000	0.104719755	-2.35619449	-4.657595362	-7.204206495	-9.663561601	-5.36872742	0.584952	0.4363045	0.3287168	0.5389688	-0.496227
5835000000	0.104719755	-2.303834613	-4.224254739	-7.21363044	-8.074085824	-6.279779346	0.6148756	0.4358314	0.394726	0.4853011	-0.306151
5835000000	0.104719755	-2.251474735	-4.5684659	-6.815177829	-6.502112436	-8.096194215	0.5911636	0.4562902	0.473062	0.3937226	-0.380797
5835000000	0.104719755	-2.199114858	-5.446342587	-6.7873438	-5.57354569	-10.29297921	0.5341742	0.4575747	0.5273905	0.3057391	-0.795064
5835000000	0.104719755	-2.14675498	-6.386407354	-7.154313068	-5.186080877	-11.12450874	0.4793797	0.4388179	0.5504268	0.2778271	-1.177469
5835000000	0.104719755	-2.094395102	-6.945729816	-6.861363182	-4.906258981	-10.07631824	0.4494832	0.4387804	0.5684432	0.3134614	-0.986579
5835000000	0.104719755	-2.042035225	-7.236562358	-5.424985342	-4.195523399	-9.22078382	0.4346822	0.5354892	0.6169129	0.3459082	-0.295997
5835000000	0.104719755	-1.989675347	-7.560752945	-3.903233224	-3.108718367	-9.580695572	0.4187573	0.6380259	0.6991399	0.3318679	0.3731404
5835000000	0.104719755	-1.93731547	-7.836619172	-2.968372597	-2.084043187	-11.13111125	0.4056664	0.7105283	0.7857743	0.277616	0.7468762
5835000000	0.104719755	-1.884955592	-7.582883938	-2.592960489	-1.933224411	-11.90713395	0.4176917	0.7419131	0.8518023	0.2538887	1.0818911
5835000000	0.104719755	-1.832595715	-6.432321965	-2.464557774	-0.965374912	-9.127478701	0.4768523	0.7529604	0.8948109	0.349644	1.8483333
5835000000	0.104719755	-1.780235837	-4.938125228	-2.263074097	-0.663645937	-5.7268789	0.5663615	0.7706307	0.9264409	0.5117971	2.8622646
5835000000	0.104719755	-1.72787596	-3.858881965	-1.925397796	-0.398839308	-3.309497665	0.6412921	0.80118	0.9551202	0.6831642	3.7525479
5835000000	0.104719755	-1.675516082	-3.260717059	-1.635062793	-0.20009057	-1.833203854	0.6870117	0.8284129	0.977227	0.8097292	4.3559433
5835000000	0.104719755	-1.623156204	-2.652877562	-1.532594661	-0.162081837	-1.077675398	0.736811	0.8382436	0.9815127	0.8833163	4.7102751
5835000000	0.104719755	-1.570796327	-1.623914277	-1.565686841	-0.365441804	-0.810811319	0.8294769	0.8350561	0.9587997	0.9108764	4.9542449
5835000000	0.104719755	-1.518436449	-0.38580065	-1.57594257	-0.843765907	-0.811030651	0.965555	0.8340707	0.9083677	0.9108534	5.1291757
5835000000	0.104719755	-1.466076572	0.547990844	-1.477425366	-1.528047054	-0.975355101	1.0651225	0.8435848	0.8386826	0.8937833	5.2042268
5835000000	0.104719755	-1.413716694	0.93780088	-1.345101357	-2.33459029	-1.382214106	1.1140124	0.8655346	0.7644112	0.8528827	5.0760637
5835000000	0.104719755	-1.361356817	0.990270291	-1.320840458	-0.370407532	-2.149657658	1.1207623	0.8589304	0.7019362	0.7807592	4.766915
5835000000	0.104719755	-1.308996939	0.944711684	-1.444171684	-3.554813879	-3.114375418	1.1469786	0.8488206	0.6641395	0.6986847	4.4974523
5835000000	0.104719755	-1.256637061	1.819550341	-1.572433188	-3.659812458	-3.594601389	1.233041	0.8344078	0.6561594	0.6611042	4.5698356
5835000000	0.104719755	-1.204777184	2.617280969	-1.495593824	-3.404374291	-3.252988242	1.3516494	0.8418221	0.6757426	0.6876233	5.0006802
5835000000	0.104719755	-1.159173706	3.130639411	-1.187513868	-2.87971434	-2.91461184	1.4339433	0.8722165	0.7178179	0.7149397	5.4343175
5835000000	0.104719755	-1.099557429	3.164582974	-0.867381854	-2.18807524	-3.34873694	1.4395579	0.9049632	0.7773135	0.6800849	5.5794586
5835000000	0.104719755	-1.047197551	2.883927634	-0.771763668	-1.436605804	-4.610844454	1.3937869	0.9149805	0.8475586	0.5881089	5.4471257
5835000000	0.104719755	-0.994837674	2.625792888	-0.934309443	-0.735074503	-6.047659336	1.3529746	0.8980169	0.9188606	0.4984488	5.2686896
5835000000	0.104719755	-0.942477796	2.539188677	-1.187560291	-0.159772439	-6.765130394	1.3395516	0.8722119	0.9817737	0.4589269	5.2311188
5835000000	0.104719755	-0.890119719	2.437988722	-1.473309089	0.277663639	-6.371423338	1.3240349	0.8439846	1.0324836	0.4802074	5.2980335
5835000000	0.104719755	-0.837758041	2.075163276	-2.112095398	0.618331425	-4.694859979	1.2698668	0.7841429	1.0737831	0.5824478	5.3674416
5835000000	0.104719755	-0.785398163	1.454713325	-3.541604322	0.900169197	-1.1823217	1.1823217	0.6651503	1.1091964	0.7400534	5.3357355
5835000000	0.104719755	-0.733038286	0.8888095081	-5.543527915	1.10448195	-1.263386854	1.1076556	0.5282307	1.1355966	0.8646307	5.192149
5835000000	0.104719755	-0.680678408	0.693091275	-5.86831763	1.157333383	-0.86296108	1.0830651	0.5088434	1.1425275	0.9054296	5.201107
5835000000	0.104719755	-0.628318531	0.781550372	-3.949061371	0.986053015	-0.797698297	1.0945156	0.6346685	1.1202183	0.9122525	5.4861387
5835000000	0.104719755	-0.575958653	0.788853737	-2.390602779	0.598700771	-0.172002288	1.095072	0.7393967	1.0702495	0.9803923	5.8102712
5835000000	0.104719755	-0.523598776	0.530888203	-1.823730032	0.08821717	0.909362039	1.0630273	0.8106129	1.0102081	1.110371	6.0080381
5835000000	0.104719755	-0.471238898	0.186869319	-1.67245725	-0.307302392	1.744310723	1.0217472	0.8248541	0.965239	1.2240262	6.0946488
5835000000	0.104719755	-0.41887902	0.10959986	-1.22053913	-0.465078956	1.993572437	1.0216981	0.8689065	0.9478641	1.2579942	6.2084763
5835000000	0.104719755	-0.366519143	0.400451676	-0.572129885	-0.480116852	1.546108572	1.0471183	0.9362468	0.946219	1.1948281	6.2867777
5835000000	0.104719755	-0.314159265	0.802888501	-0.281170412	-0.550518283	0.552121066	1.0968429	0.9681474	0.938586	1.0656291	6.1695923
5835000000	0.104719755	-0.261799388	1.03980932	-0.451494554	-0.758238002	0.542173595	1.1271727	0.9439476	1.0640064	1.0048672	6.0158082
5835000000	0.104719755	-0.20943951	1.027251613	-0.643007313	-1.01904056	0.896554669	1.1255443	0.9286448	0.8892993	1.1087477	6.133295
5835000000	0.104719755	-0.157079633	0.827106929	-0.402172695	-1						

5835000000	0.104719755	2.565634	-9.973149149	-11.78043152	-9.498644348	-4.104464653	0.3172068	0.2576193	0.3350247	0.6234143	-2.308255
5835000000	0.104719755	2.617993878	-14.16665203	-15.19920787	-10.12375177	-5.455776382	0.1957345	0.1737959	0.3117543	0.5335943	-4.329939
5835000000	0.104719755	2.670353756	-13.93803616	-13.47502383	-11.3778878	-6.537203069	0.2009547	0.2119575	0.2698088	0.471129	-4.777613
5835000000	0.104719755	2.722713633	-13.04294391	-10.10317663	-12.90824661	-7.198267648	0.222768	0.3124936	0.2262495	0.4366029	-4.450637
5835000000	0.104719755	2.775073511	-13.96700001	-8.663786336	-13.79575469	-7.779962846	0.2002857	0.3688168	0.2042736	0.4083211	-4.570475
5835000000	0.104719755	2.827433388	-15.15005249	-9.263144285	-13.78931095	-7.970650557	0.1747823	0.3442253	0.2044252	0.3994546	-5.013876
5835000000	0.104719755	2.879793266	-14.20120895	-12.11372172	-13.79665952	-7.817165172	0.1949573	0.2479213	0.2042523	0.405676	-5.566203
5835000000	0.104719755	2.932153143	-13.1129421	-17.94721274	-13.57766436	-7.982775189	0.22098	0.12666	0.1866882	0.3988974	-6.620868
5835000000	0.104719755	2.984513021	-13.92921258	-25.42600527	-16.46609753	-8.866336446	0.201159	0.0352456	0.150555	0.3603157	-8.340876
5835000000	0.104719755	3.036872899	-17.33058977	-25.63629462	-19.27035334	-11.11821649	0.1359786	0.0522619	0.1087633	0.2780284	-10.82676
5835000000	0.104719755	3.089232776	-22.36625445	-25.79937607	-21.30258426	-16.17805008	0.076153	0.0512898	0.0860738	0.1552736	-14.68501
5835000000	0.104719755	3.141592654	-21.91534299	-22.79366707	-20.12386004	-23.55774193	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.157079633	-3.141592654	-21.91534324	-22.7936671	-20.12386001	-23.55774181	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.157079633	-3.089232776	-19.48931765	-21.86765443	-18.08478899	-21.81356764	0.1060557	0.0806524	0.1246696	0.0811562	-14.14306
5835000000	0.157079633	-3.036872899	-17.14551107	-21.26046126	-17.32975899	-20.35914317	0.1389071	0.0864922	0.1359916	0.0959495	-12.81581
5835000000	0.157079633	-2.984513021	-14.05689474	-16.00294168	-18.03812241	-16.18238568	0.1982236	0.1584357	0.1253412	0.1551961	-9.935132
5835000000	0.157079633	-2.932153143	-11.464377	-12.79506568	-17.86854159	-14.7209689	0.267166	0.2292169	0.1278124	0.1836333	-7.874215
5835000000	0.157079633	-2.879793266	-10.25320752	-12.15669159	-15.18026641	-17.18746167	0.3071423	0.2466979	0.1741753	0.1382378	-7.267701
5835000000	0.157079633	-2.827433388	-10.64536547	-12.18360826	-13.10976074	-14.91397115	0.2935836	0.2459346	0.2210609	0.179598	-6.556407
5835000000	0.157079633	-2.775073511	-12.38290569	-10.48518145	-12.36687558	-10.52804986	0.2403559	0.299048	0.2407999	0.2975757	-5.370002
5835000000	0.157079633	-2.722713633	-14.18130316	-8.747028086	-11.75724837	-9.785339752	0.1954046	0.3652991	0.2583078	0.3214043	-4.858521
5835000000	0.157079633	-2.670353756	-14.62467816	-8.478052682	-10.37487194	-12.8167508	0.1856804	0.3767883	0.3028701	0.2286454	-5.240379
5835000000	0.157079633	-2.617993878	-14.70321032	-9.152769784	-9.090387737	-19.88523774	0.1840092	0.3468274	0.3511402	0.10133	-6.150933
5835000000	0.157079633	-2.565634	-14.79959585	-8.922956528	-8.620925637	-13.99927943	0.1819786	0.3597946	0.3706401	0.1995428	-5.113076
5835000000	0.157079633	-2.513274123	-13.50677846	-7.674238164	-8.88948054	-8.964687949	0.211184	0.4133216	0.359342	0.3562588	-3.477814
5835000000	0.157079633	-2.460914245	-10.78861708	-7.008781225	-9.461426435	-6.398538998	0.2887814	0.4462322	0.3364563	0.4787106	-2.212955
5835000000	0.157079633	-2.408554368	-8.137173482	-7.280110016	-9.640059109	-5.309502104	0.3918694	0.4325084	0.3296072	0.5426564	-1.428799
5835000000	0.157079633	-2.35619449	-6.247152409	-7.703728624	-7.82526102	-5.493951224	0.4871272	0.4192087	0.366331	0.5312543	-0.931412
5835000000	0.157079633	-2.30384613	-5.203304616	-7.340558269	-7.095044597	-6.797596283	0.5493318	0.4295008	0.4418224	0.5472147	-0.547253
5835000000	0.157079633	-2.251474735	-4.935128292	-6.667199261	-5.713774692	-6.860200808	0.566557	0.4641304	0.5179779	0.3681205	-0.369128
5835000000	0.157079633	-2.199114858	-5.333047273	-6.604134305	-4.706613503	-9.862123033	0.5411873	0.4675126	0.5642471	0.3212875	-0.471925
5835000000	0.157079633	-2.14675498	-6.108300746	-7.182927833	-4.745249944	-9.439537821	0.4949769	0.4337347	0.5790786	0.3373053	-0.683105
5835000000	0.157079633	-2.094395102	-6.639700645	-7.265437518	-4.612088112	-8.312677337	0.4656021	0.4332396	0.5880247	0.3840309	-0.579601
5835000000	0.157079633	-2.042035225	-6.514397818	-5.930013723	-4.103823734	-7.589131458	0.4723676	0.5052418	0.6234602	0.4173913	0.0798072
5835000000	0.157079633	-1.989675347	-6.116908566	-4.215340044	-3.177934297	-7.761181391	0.4944867	0.615507	0.6935907	0.409205	0.8782017
5835000000	0.157079633	-1.93731547	-5.975692949	-2.976974742	-2.191971201	-8.816969697	0.5025917	0.709825	0.776965	0.3623694	1.4072271
5835000000	0.157079633	-1.884955592	-6.212524952	-2.239053465	-1.429304751	-9.469738974	0.4890731	0.7727648	0.8482976	0.3361345	1.7494878
5835000000	0.157079633	-1.832595715	-6.259333741	-1.752861099	-0.940628884	-7.524776698	0.4864445	0.8127258	0.8973638	0.4204953	2.3505877
5835000000	0.157079633	-1.780235837	-5.433335242	-1.323909645	-0.646393724	-4.595361678	0.5349747	0.858627	0.9282828	0.5891582	3.2603175
5835000000	0.157079633	-1.72787596	-4.364997599	-0.95562695	-0.548817373	-2.412582478	0.6049927	0.89898157	0.9489845	0.7574795	4.1021169
5835000000	0.157079633	-1.675516082	-3.810240995	-0.765207167	-0.336605741	-1.141332618	0.6448934	0.9156174	0.9619882	0.8768663	4.6074948
5835000000	0.157079633	-1.623156204	-3.590544269	-0.79586586	-0.332458962	-0.570311041	0.6614131	0.912445	0.9624475	0.9364497	4.7928838
5835000000	0.157079633	-1.570796327	-2.952758996	-0.942821866	-0.513979647	-0.432383715	0.7118067	0.8971733	0.9425427	0.9514387	4.8680177
5835000000	0.157079633	-1.518436449	-1.62221395	-1.039217074	-0.93536011	-0.491141936	0.8296393	0.887236	0.8979083	0.9450241	5.0073909
5835000000	0.157079633	-1.466076572	-0.296955706	-1.018014508	-1.592018146	-0.670355829	0.9663895	0.8894044	0.8325285	0.9257255	5.1392781
5835000000	0.157079633	-1.413716694	0.42129159	-0.980725551	-2.382384723	-1.089222494	1.0496985	0.8932309	0.7601176	0.8821428	5.0696429
5835000000	0.157079633	-1.361356817	0.552292109	-1.086898066	-3.092322154	-1.824490579	1.06565	0.8823789	0.7004609	0.8105419	4.7584909
5835000000	0.157079633	-1.308996939	0.576763711	-1.383587519	-2.375087192	-2.515012782	1.0686566	0.8527478	0.6702636	0.7485992	4.4550245
5835000000	0.157079633	-1.256637061	1.026674966	-1.728182378	-3.242650027	-2.4298633	1.1254695	0.8195791	0.674167	0.755794	4.5453636
5835000000	0.157079633	-1.204277184	1.861409866	-1.89624357	-3.024134253	-1.7244437	1.2389977	0.8038737	0.7059814	0.819932	5.0298073
5835000000	0.157079633	-1.159171306	2.535780388	-1.83002875	-2.411996477	-1.417004224	1.339026	0.8100253	0.7573306	0.8494734	5.4740396
5835000000	0.157079633	-1.099557429	2.699164454	-1.720427821	-1.69806861	-2.148618993	1.3645419	0.8203111	0.8224255	0.7808526	5.5476937
5835000000	0.157079633	-1.047197551	2.459640292	-1.793144838	-0.981758585	-3.91739659	1.3273395	0.8134723	0.8931218	0.6369864	5.2748985
5835000000	0.157079633	-0.994837674	2.210998878	-2.068078421	-0.58480171	-5.373862101	1.2898819	0.7881268	0.9595685	0.5023636	5.0033743
5835000000	0.157079633	-0.942477796	2.191661326	-2.348011185	0.119208272	-5.858750759	1.2870134	0.7631316	1.013819	0.5094041	5.0409552
5835000000	0.157079633	-0.890119719	2.197526637	-2.585117446	-0.07215675	-5.037731135	1.2878828	0.7425815	1.0556277	0.5999038	5.2157324
5835000000	0.157079633	-0.837758041	1.892846448	-3.170736675	0.760297027	-3.89836043	1.2434901	0.6941657	1.091556	0.638384	5.2670295
5835000000	0.157079633	-0.785398163	1.220630677	-4.560241322	1.035813116	-2.581589535	1.150884	0.5915452	1.1266542	0.7428832	5.1342745
5835000000	0.157079633	-0.733038286	0.536802794	-6.284879174	1.259443955	-1.70441677	1.0637514	0.485016	1.1560382	0.8218246	4.9265896
5835000000	0.157079633	-0.680678408	0.345911903	-5.821765096	1.327185139	-1.576066347	1.0406282	0.5115779	1.1650894	0.8340588	4.9872802
5835000000	0.157079633	-0.628318531	0.616684935	-3.541281999	-1.35794906	-1.509919489	1.0735796	0.6004575	1.1396979	0.8404348	5.3876603
5835000000	0.157079633	-0.575958653	0.819698099	-1.933471746	0.664182915	-0.507035582	1.0989676	0.8543156	1.0794664	0.9342965	5.84992
5835000000	0.157079633	-0.523598776	0.663941415	-1.367953666	0.034524599	0.918468079	1.0794364	0.8524841	1.0039827	1.1115357	6.1268681
5835000000	0.157079633	-0.471238898	0.335890051	-1.285897591	-0.496709151	1.844847405	1.0394282	0.8623928	0.9444186	1.2366374	6.198726
5835000000	0.157079633	-0.41887902	0.240863693	-0.980203397	-0.719320333	2.017248364	1.0281185	0.8932646	0.9205216	1.2614279	6.2421767
5835000000	0.157079633	-0.366519143	0.509776672	-0.439161184	-0.69239338	1.456907093	1.0604467	0.9506866	0.9233797	1.1826204	6.2713199
5835000000	0.157079633	-0.314159265	0.877959162	-0.167116506	-0.645792226	0.031783321	1.1063638	0.9809439	0.9283471	1.0509672	6.1640763
5835000000	0.157079633	-0.267199388	1.070727735	-0.314392							

5835000000	0.157079633	2.460914245	-5.539939382	-6.772338587	-9.105723434	-4.156112438	0.5284489	0.4585462	0.3505208	0.6197184	-0.187743
5835000000	0.157079633	2.513274123	-6.209557751	-8.099970155	-9.73427588	-3.596294334	0.4892402	0.3935514	0.3260515	0.6609754	-0.584611
5835000000	0.157079633	2.565634	-8.566407987	-10.91995881	-10.1689756	-4.233551766	0.3729749	0.2844475	0.3101353	0.6149254	-2.033819
5835000000	0.157079633	2.617993878	-11.82830005	-14.19668078	-10.67152114	-5.455715486	0.2562035	0.195059	0.2927008	0.533598	-3.892695
5835000000	0.157079633	2.670353756	-12.94461413	-12.54882197	-11.6509768	-6.466557283	0.2253042	0.2358082	0.2614876	0.4749765	-4.454534
5835000000	0.157079633	2.722713633	-12.73052585	-9.484797533	-12.9716954	-7.21876233	0.2309265	0.3355522	0.2246028	0.4355739	-4.246148
5835000000	0.157079633	2.775073511	-13.7505222	-8.217602404	-13.73622025	-7.903718712	0.2053402	0.3882575	0.2056785	0.4025447	-4.423805
5835000000	0.157079633	2.827433388	-15.16517091	-8.880952908	-13.67330679	-7.980987794	0.1744783	0.3597099	0.2071737	0.3989795	-4.879902
5835000000	0.157079633	2.879793266	-14.3366079	-11.6690036	-13.81963362	-7.750320915	0.1919418	0.2609455	0.2037128	0.409717	-5.462872
5835000000	0.157079633	2.932153143	-12.9938633	-17.11358578	-14.92174268	-8.007261988	0.2240303	0.1394186	0.1794374	0.3977745	-6.551399
5835000000	0.157079633	2.984513021	-13.54145165	-23.79776193	-17.12463241	-8.95833166	0.2103427	0.0645821	0.1392414	0.3565196	-8.283053
5835000000	0.157079633	3.036872899	-16.78953593	-25.39351624	-20.0000968	-11.17277388	0.1447182	0.0537433	0.0999989	0.2762875	-10.83105
5835000000	0.157079633	3.089232776	-22.17769943	-26.17340284	-21.58335941	-16.16675519	0.0778243	0.0491281	0.0833359	0.1554756	-14.75658
5835000000	0.157079633	3.141592654	-21.91534324	-22.7936671	-20.12386001	-23.55774181	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.20943951	-3.141592654	-21.9153435	-22.79366707	-20.12386001	-23.557742	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.20943951	-3.089232776	-19.32711037	-21.59034366	-17.99852007	-21.92788029	0.1080549	0.0832689	0.125914	0.0800951	-14.03751
5835000000	0.20943951	-3.036872899	-17.3585772	-21.0500395	-17.10735329	-20.32990251	0.1355411	0.0886131	0.1395187	0.0962731	-12.76646
5835000000	0.20943951	-2.984513021	-14.76115547	-16.12222941	-17.52371506	-16.15141857	0.1827857	0.1562746	0.1329885	0.1557504	-10.06418
5835000000	0.20943951	-2.932153143	-12.29493889	-12.88834096	-17.21819749	-14.86794328	0.2428024	0.267686	0.1377495	0.1805522	-8.091478
5835000000	0.20943951	-2.879793266	-11.00721049	-12.06538642	-14.93932699	-17.8652479	0.2816044	0.2493408	0.1790745	0.1278609	-7.557331
5835000000	0.20943951	-2.827433388	-11.3635201	-11.92565059	-13.13916081	-15.32973054	0.2702863	0.253348	0.2203139	0.1712038	-6.790735
5835000000	0.20943951	-2.775073511	-13.35045281	-10.52733962	-12.52153755	-10.46673668	0.2150193	0.2976001	0.2365501	0.2996837	-5.606306
5835000000	0.20943951	-2.722713633	-15.03292948	-9.171446869	-12.05520887	-9.304287346	0.177155	0.3478786	0.2495971	0.3425986	-5.057753
5835000000	0.20943951	-2.670353756	-13.31635881	-9.159415231	-10.79088587	-11.36673176	0.2158649	0.3483608	0.2887055	0.2701864	-5.012092
5835000000	0.20943951	-2.617993878	-11.37428633	-9.880650007	-9.440133459	-16.4965046	0.2699515	0.3260209	0.3372821	0.1496838	-5.372091
5835000000	0.20943951	-2.565634	-10.99214213	-9.426962437	-8.758860341	-14.65130758	0.2820934	0.337794	0.3648018	0.185112	-4.658359
5835000000	0.20943951	-2.513274123	-11.98526289	-8.107426039	-8.761491147	-9.20320214	0.2516152	0.3932138	0.3646913	0.346609	-3.374578
5835000000	0.20943951	-2.460914245	-12.92837252	-7.543494321	-9.031751192	-6.188544737	0.2257259	0.4195901	0.3535187	0.4904252	-2.56119
5835000000	0.20943951	-2.408554368	-11.69702324	-7.893949043	-8.857336246	-5.036751827	0.2601051	0.4029977	0.3606892	0.559967	-2.026818
5835000000	0.20943951	-2.35619449	-9.462229784	-8.152927471	-7.820927418	-5.535704696	0.3364252	0.3911593	0.4063999	0.5287066	-1.604369
5835000000	0.20943951	-2.303834613	-7.775306917	-7.419861586	-6.454590563	-7.51951124	0.4085401	0.4256052	0.4756141	0.4207503	-1.257119
5835000000	0.20943951	-2.251474735	-6.936467896	-6.48093626	-5.445956479	-10.0034536	0.4449628	0.4741909	0.5341979	0.3161021	-1.039307
5835000000	0.20943951	-2.199114858	-6.969204196	-6.25798394	-5.017318572	-10.32210421	0.4482701	0.4865201	0.5612212	0.3047157	-0.911642
5835000000	0.20943951	-2.14675498	-7.729539172	-6.712136715	-5.011500579	-8.665784293	0.4106984	0.4585568	0.5615972	0.368732	-0.917155
5835000000	0.20943951	-2.094395102	-8.472588562	-7.114450958	-5.000918065	-7.082035469	0.3770254	0.4408834	0.5622819	0.4424847	-0.806638
5835000000	0.20943951	-2.042035225	-8.015086901	-6.270477691	-4.520251013	-6.1452732	0.3974163	0.4888208	0.594275	0.594275	-0.129571
5835000000	0.20943951	-1.989675347	-6.621407481	-4.797422636	-3.543092515	-6.050346218	0.4665838	0.5756107	0.6650363	0.4982906	-0.8496526
5835000000	0.20943951	-1.93731547	-5.436043109	-3.538786372	-2.473447908	-6.880885481	0.5348079	0.6653661	0.7521901	0.4528514	-1.602480
5835000000	0.20943951	-1.884955592	-4.961959926	-2.68257968	-1.649516357	-6.188376801	0.5648095	0.7389024	0.8270356	0.3917925	-2.016165
5835000000	0.20943951	-1.832595715	-5.012439088	-1.912985807	-1.153762333	-7.861806736	0.5615366	0.8023257	0.8756124	0.4044917	-2.4245187
5835000000	0.20943951	-1.780235837	-4.834069129	-1.304001559	-0.889446337	-5.604771807	0.5731873	0.8605972	0.9026672	0.5245192	-3.109669
5835000000	0.20943951	-1.72787596	-4.108970376	-0.862465948	-0.708774968	-3.445779423	0.623091	0.9054755	0.9213699	0.672529	-3.8701038
5835000000	0.20943951	-1.675516082	-3.451723016	-0.684759194	-0.538462145	-2.12398412	0.672069	0.9241916	0.9398897	0.7832133	-4.4004967
5835000000	0.20943951	-1.623156204	-3.235805763	-0.761554633	-0.424247506	-1.513917753	0.6889849	0.9160565	0.9523414	0.840048	-4.6024125
5835000000	0.20943951	-1.570796327	-3.116835042	-0.944696032	-0.463446448	-1.300445526	0.6984869	0.8969347	0.9480422	0.8609496	-4.602689
5835000000	0.20943951	-1.518436449	-2.380218178	-1.046106395	-0.719235452	-1.164275452	0.7603072	0.8865325	0.9205306	0.8745532	-4.7154244
5835000000	0.20943951	-1.466076572	-1.098877876	-1.006455176	-1.177071722	-1.01063957	0.8811627	0.8905888	0.8732712	0.8901599	-4.947637
5835000000	0.20943951	-1.413716694	-0.053041734	-0.959187504	-1.734917764	-1.014834359	0.9939312	0.9594488	0.8189438	0.8897301	-5.1007063
5835000000	0.20943951	-1.361356817	0.427500708	-1.099813852	-2.226417068	-1.288534035	1.0504492	0.8810768	0.7738898	0.8621311	-5.0267718
5835000000	0.20943951	-1.308996939	0.575696963	-1.501010008	-2.498812589	-1.525928321	1.0685254	0.8412973	0.7499967	0.8388872	-4.8575507
5835000000	0.20943951	-1.256637061	0.881154113	-2.026446604	-2.495742081	-1.23130975	1.1067708	0.7919134	0.7502619	0.8678297	-4.9022937
5835000000	0.20943951	-1.204277184	1.568592058	-2.425146178	-2.244488663	-0.636274608	1.1979249	0.7563846	0.7722814	0.9293649	-5.2394189
5835000000	0.20943951	-1.151971306	2.268293742	-2.594912452	-1.793317903	-0.565669654	1.2984185	0.7417446	0.8134561	0.9369502	-5.553489
5835000000	0.20943951	-1.099557429	2.547783402	-2.705423342	-1.204568386	-1.608845658	1.3408777	0.7323671	0.8705056	0.8309171	-5.5169743
5835000000	0.20943951	-1.047197551	2.384215175	-2.980163375	-0.580383581	-3.765602036	1.3158633	0.7095644	0.9353644	0.6482162	-5.1217576
5835000000	0.20943951	-0.994836764	2.118430966	-3.409525784	-0.043149408	-5.384018945	1.2762083	0.6753419	0.9950446	0.5382068	-4.8224947
5835000000	0.20943951	-0.942477796	2.060565691	-3.719042064	-0.328692472	-4.542644213	1.2677344	0.6517003	1.0385673	0.5927468	-4.8957942
5835000000	0.20943951	-0.90117919	2.078646445	-3.839741343	0.546123553	-3.283693394	1.2703761	0.6427069	1.0648935	0.6851968	-5.2654944
5835000000	0.20943951	-0.837758041	1.806155509	-4.239331564	0.694918358	-2.625007746	1.2311409	0.6138092	1.083293	0.739179	-5.2666811
5835000000	0.20943951	-0.785398163	1.104867255	-5.343030705	-0.860919874	-2.207438475	1.135647	0.5405657	1.1041956	0.7755826	-4.9986129
5835000000	0.20943951	-0.733038286	0.29187671	-6.407817746	1.104149261	-1.999805565	1.0341745	0.4781995	1.1273855	0.794346	-4.695673
5835000000	0.20943951	-0.680678408	0.018036239	-5.298132742	1.127579183	-2.205772538	1.0020787	0.5433671	1.1386204	0.7757314	-4.7604139
5835000000	0.20943951	-0.628318531	0.389414224	-3.010381821	0.982452698	-2.124294682	1.0548532	0.7071001	1.1197506	0.7830424	-5.2389028
5835000000	0.20943951	-0.575958653	0.756456488	-1.480374776	0.545651706	-0.797227503	1.0909952	0.8432984	1.0648357	0.912302	-5.826114
5835000000	0.20943951	-0.523598776	0.722982142	-0.947822899	0.059189194	0.869117297	1.0867987	0.8966209	0.9894763	1.1052881	-6.18863
5835000000	0.20943951	-0.471238898	0.46099157	-0.926445265	-0.677138299	1.853108292	1.0540573	0.8988303	0.9250029	1.2378141	-6.2692335
5835000000	0.20943951	-0.41887902	0.382735361	-0.749324104	-0.947164747	1.974462441	1.0540943	0.9173473	0.8966888	1.2525295	-6.2653506
5835000000	0.20943951	-0.366519143	0.628300212	-0.309970328	-0.89443301	1.343152503	1.0750162	0.96			

5835000000	0.20943951	2.35619449	-8.466274955	-9.144331505	-8.635790916	-7.76546384	0.3772995	0.3489662	0.3700074	0.4090033	-2.468274
5835000000	0.20943951	2.408554368	-8.399596496	-7.418090375	-8.627736617	-6.987238747	0.3802071	0.425692	0.3703507	0.4473403	-1.811072
5835000000	0.20943951	2.460914245	-7.204895505	-6.86173953	-9.157233402	-5.004782259	0.4362699	0.4538507	0.3484483	0.5620318	-0.912252
5835000000	0.20943951	2.513274123	-6.809036623	-7.83850536	-9.951010451	-4.110631352	0.4566129	0.4055783	0.3180164	0.6229719	-0.899821
5835000000	0.20943951	2.565634	-7.930084079	-10.58765836	-10.55824394	-4.455507994	0.4013246	0.2955406	0.2965431	0.5987212	-1.981033
5835000000	0.20943951	2.617993878	-10.13855805	-14.03446408	-11.03696827	-5.437940554	0.3112233	0.1987361	0.2806413	0.5346911	-3.574369
5835000000	0.20943951	2.670353756	-11.77567039	-12.3205242	-11.87464687	-6.364858761	0.2577606	0.2420875	0.25484	0.5805704	-4.185442
5835000000	0.20943951	2.722713633	-12.33192041	-9.240174535	-12.97349705	-7.306527898	0.2417709	0.3451368	0.2245563	0.4311949	-4.133562
5835000000	0.20943951	2.775073511	-13.29714368	-8.030349474	-13.43095547	-8.128261103	0.216343	0.3967186	0.2130356	0.3922717	-4.305024
5835000000	0.20943951	2.827433388	-14.54135423	-8.726254769	-13.27823	-8.000418344	0.1874702	0.3661738	0.2168146	0.398088	-4.666779
5835000000	0.20943951	2.879793266	-14.02674715	-11.45128154	-12.6222387	-7.648076356	0.1989128	0.2675691	0.2074382	0.4145684	-5.284123
5835000000	0.20943951	2.932153143	-12.73061955	-16.54068901	-15.2005125	-8.005284409	0.230924	0.1489243	0.1737698	0.397865	-6.452578
5835000000	0.20943951	2.984513021	-13.12701328	-22.5076738	-12.86020338	-9.045920378	0.2206223	0.0749232	0.1279351	0.3529425	-8.218631
5835000000	0.20943951	3.036872899	-16.25943924	-25.07226973	-20.81767564	-11.2345305	0.1538254	0.0557682	0.0910157	0.2743301	-10.828216
5835000000	0.20943951	3.089232776	-21.94963148	-26.56312659	-21.86623905	-16.16680293	0.0798948	0.0469725	0.0806655	0.1554747	-14.822229
5835000000	0.20943951	3.141592654	-21.9153435	-22.79366707	-20.12386001	-23.557742	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.261799388	-3.141592654	-21.91534322	-22.79366736	-20.12386004	-23.55774205	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.261799388	-3.089232776	-19.16504003	-21.30957949	-17.91670879	-22.04623773	0.11009	0.0860045	0.1271056	0.0790111	-13.93152
5835000000	0.261799388	-3.036872899	-17.55330942	-20.78758189	-16.89230078	-20.33410207	0.1325362	0.0931316	0.1430161	0.0962265	-12.70691
5835000000	0.261799388	-2.984513021	-15.54615568	-16.24356501	-17.0722694	-16.18369517	0.1669907	0.1541068	0.1400834	0.1551727	-10.224
5835000000	0.261799388	-2.932153143	-13.31116735	-12.99727959	-16.75875089	-15.00742221	0.215994	0.2329422	0.145232	0.177676	-8.371882
5835000000	0.261799388	-2.879793266	-11.98807009	-11.97876742	-14.88603147	-18.31395455	0.2515339	0.2518034	0.1801766	0.1214234	-7.905359
5835000000	0.261799388	-2.827433388	-12.283615	-11.67334462	-13.33105876	-15.99711825	0.2431192	0.2608151	0.2154999	0.1585419	-7.150946
5835000000	0.261799388	-2.775073511	-14.32414205	-10.54494839	-12.80261247	-10.81567715	0.1922175	0.2969974	0.2290179	0.2878831	-5.967641
5835000000	0.261799388	-2.722713633	-15.39732599	-9.56538871	-12.86368894	-9.278058533	0.1698767	0.3324551	0.2390923	0.3643647	-5.311534
5835000000	0.261799388	-2.670353756	-12.07862966	-9.81060745	-11.23482097	-10.53051863	0.248925	0.2331987	0.2743209	0.2974912	-4.852567
5835000000	0.261799388	-2.617993878	-9.26893226	-10.58838657	-9.777312823	-14.12732025	0.343996	0.2955158	0.3244243	0.1966229	-4.727256
5835000000	0.261799388	-2.565634	-8.37430317	-9.975417719	-8.848361457	-14.59905732	0.3813158	0.3171224	0.3610621	0.1862289	-4.112115
5835000000	0.261799388	-2.513274123	-9.289907085	-8.616157616	-8.528547718	-9.530757275	0.3431663	0.3708447	0.3746042	0.3337814	-2.960186
5835000000	0.261799388	-2.460914245	-11.87198639	-8.103609585	-8.448510016	-6.256294963	0.2549181	0.3933866	0.378072	0.4866147	-2.423871
5835000000	0.261799388	-2.408554368	-15.27147697	-8.429506622	-8.092159782	-5.115770824	0.1723559	0.3789001	0.3939055	0.5548958	-2.498443
5835000000	0.261799388	-2.35619449	-15.58712602	-8.443752574	-7.298350139	-5.933280165	0.1662049	0.3782791	0.4316011	0.5050519	-2.608696
5835000000	0.261799388	-2.303834613	-12.97367215	-7.409377831	-6.424241324	-8.629036042	0.2245517	0.4261192	0.4772962	0.3702953	-2.508842
5835000000	0.261799388	-2.251474735	-10.95985985	-6.281966828	-5.865028477	-11.72537472	0.2831438	0.4851786	0.5090329	0.5292575	-2.289311
5835000000	0.261799388	-2.199114858	-10.14841119	-5.861153707	-5.753710427	-10.73975338	0.3108704	0.5092632	0.5156019	0.2904105	-1.797409
5835000000	0.261799388	-2.14675498	-10.51997755	-6.117895358	-5.929232721	-8.183669667	0.2978524	0.4944305	0.5052873	0.3897773	-1.47651
5835000000	0.261799388	-2.094395102	-11.65654046	-6.438272885	-5.928255948	-6.402419102	0.2613202	0.4765257	0.5053441	0.4784968	-1.301517
5835000000	0.261799388	-2.042035225	-11.71675525	-6.154985526	-5.25544637	-4.419521395	0.2595149	0.4293237	0.5460441	0.5385826	-0.753993
5835000000	0.261799388	-1.989675347	-9.455567611	-5.371714456	-4.009369361	-5.288373705	0.3366833	0.5387835	0.6302771	0.543978	0.2132989
5835000000	0.261799388	-1.93731547	-6.944528605	-4.531769277	-2.742361946	-6.162546566	0.4495454	0.5934874	0.7292592	0.4918953	1.0776474
5835000000	0.261799388	-1.884955592	-5.325723138	-3.75362971	-1.81613112	-8.023995699	0.5416439	0.6491103	0.8113224	0.3970089	1.5803144
5835000000	0.261799388	-1.832595715	-4.567890569	-2.978976195	-1.26086846	-9.714533854	0.5910245	0.7096614	0.8648814	0.3267934	1.911618
5835000000	0.261799388	-1.780235837	-4.173969603	-2.247489314	-0.898957308	-8.761925666	0.6184456	0.7720146	0.9015859	0.3466713	2.4663135
5835000000	0.261799388	-1.72787596	-3.602888818	-1.714600067	-0.531691514	-6.565175809	0.6604737	0.8208617	0.9406226	0.4696142	3.202081
5835000000	0.261799388	-1.675516082	-2.863639542	-1.497236974	-1.015689851	-5.031369699	0.7191476	0.8416628	0.986769	0.5603141	3.8287226
5835000000	0.261799388	-1.623156204	-2.308603155	-1.5601213	0.222173538	-4.2277882	0.7666018	0.8355913	1.0259086	0.6146189	4.1975909
5835000000	0.261799388	-1.570796327	-2.00854368	-1.7176796	0.34745925	-3.669930138	0.7935473	0.820569	1.0408136	0.6535966	4.376814
5835000000	0.261799388	-1.518436449	-1.622324851	-1.755264718	0.2215394	-2.905661922	0.8296287	0.8170277	1.0258337	0.7156767	4.5786958
5835000000	0.261799388	-1.466076572	-0.860444007	-1.616263327	-0.099834221	-1.981376161	0.9056863	0.8302078	0.988572	0.7960332	4.9114854
5835000000	0.261799388	-1.4131716694	0.022734016	-1.469239468	-0.512927878	-1.283256089	1.0026208	0.8443802	0.9426568	0.8626551	5.2307595
5835000000	0.261799388	-1.361356817	0.655478116	-1.553989442	-0.920824756	-0.976010963	1.0783852	0.8361814	0.8994122	0.8937158	5.3614792
5835000000	0.261799388	-1.308996939	1.009973127	-1.97456134	-1.26903548	-0.805328368	1.1233075	0.796658	0.8640686	0.9114515	5.3328305
5835000000	0.261799388	-1.256637061	1.347624711	-2.598638545	-1.527995414	-0.414976507	1.1678343	0.7414264	0.8386876	0.9533474	5.3464759
5835000000	0.261799388	-1.204277184	1.881328943	-3.136565508	-1.643568817	-0.021254862	1.2418423	0.696902	0.8276021	1.0024501	5.5034552
5835000000	0.261799388	-1.159173706	2.441950615	-3.43883945	-1.537146562	-0.132435441	1.324639	0.6730666	0.8378045	0.9846865	5.6215279
5835000000	0.261799388	-1.09557429	2.688111398	-3.679757793	-1.79915433	-1.405172545	1.3627167	0.6546544	0.8729799	0.98506313	5.4391131
5835000000	0.261799388	-1.047197551	2.525219138	-4.101637121	-0.656399513	-3.670065553	1.3373989	0.6236173	0.9272141	0.6553853	4.9683322
5835000000	0.261799388	-0.994836764	2.201776549	-4.644001089	-0.131595905	-4.593943455	1.2885131	0.5858682	0.9849637	0.5892544	4.7322549
5835000000	0.261799388	-0.942477796	2.036500846	-4.899316812	0.249297432	-2.944563768	1.2642269	0.5688977	1.0291173	0.7124786	5.0042419
5835000000	0.261799388	-0.890117919	1.986973452	-4.76816718	0.436191422	-1.605754184	1.2570388	0.5775527	1.0515007	0.8312129	5.3839643
5835000000	0.261799388	-0.837758041	1.717364745	-4.831980788	0.48469977	-1.341173884	1.2186198	0.5745145	1.0573615	0.856922	5.3608307
5835000000	0.261799388	-0.785398163	1.034429654	-5.409159622	0.506919434	-1.6516548	1.1264748	0.5364658	1.0601067	0.826832	4.9836716
5835000000	0.261799388	-0.733038286	0.173476015	-5.775421547	0.577449714	-2.081299324	1.0201729	0.5143147	1.068741	0.7869281	4.5837956
5835000000	0.261799388	-0.680678408	-0.19231428	-4.488473243	0.646632383	-2.559335678	0.9781025	0.5964531	1.0772875	0.7447889	4.6003702
5835000000	0.261799388	-0.628318531	0.173250793	-2.450929822	-0.54738937	-2.444088267	1.0201465	0.7541427	1.0684075	0.7547369	5.0992558
5835000000	0.261799388	-0.575958653	0.61859511	-1.068017512	0.255879462	-0.978427241	1.0738088	0.884299	1.0298974	0.8934672	5.7593304
5835000000	0.261799388	-0.523598776	0.691441136	-0.582316833	-0.278367737	0.764340429	1.0828594	0.9351562	0.9684598	1.0919859	6.189327
5835000000	0.261799388	-0.471238898	0.53257734	-0.610422824	-0.25664213	1.76378					

5835000000	0.261799388	2.251474735	-5.837076941	-9.001943155	-9.927124903	-2.839526836	0.5106768	0.354734	0.3188921	0.7211468	-0.42065
5835000000	0.261799388	2.303834613	-6.930169845	-12.94949941	-9.238773842	-4.617482494	0.4502892	0.2251775	0.3451925	0.5876597	-1.893157
5835000000	0.261799388	2.35619449	-8.516680607	-12.51785985	-6.977610993	-6.27524535	0.3751163	0.2656003	0.3684956	0.4478365	-2.925435
5835000000	0.261799388	2.408554368	-10.16015275	-9.030979718	-8.521961577	-7.631881152	0.3104505	0.3535501	0.3748883	0.4153421	-2.767932
5835000000	0.261799388	2.460914245	-9.506989098	-7.444284258	-8.90902017	-6.010457296	0.334696	0.4244102	0.3585494	0.5005842	-1.839742
5835000000	0.261799388	2.513274123	-8.082008334	-7.929684071	-9.634001888	-4.831562899	0.3943661	0.4013431	0.3298374	0.5733527	-1.417247
5835000000	0.261799388	2.565634	-7.98521635	-10.64086964	-10.31550464	-4.783902478	0.3987853	0.2949555	0.3049473	0.5765074	-2.073911
5835000000	0.261799388	2.617993878	-9.237012331	-14.62836449	-10.97454049	-5.383129279	0.3452625	0.1856016	0.2826656	0.5380759	-3.4036
5835000000	0.261799388	2.670353756	-10.87319784	-12.74370476	-11.95928314	-6.220059082	0.2859829	0.2305764	0.2523689	0.4886449	-4.029907
5835000000	0.261799388	2.722713633	-11.89122719	-9.352479373	-13.0026222	-7.45490187	0.254354	0.3407703	0.122563	0.4238917	-4.120152
5835000000	0.261799388	2.757037511	-12.60100362	-8.104163541	-13.00458345	-8.458353952	0.2343958	0.3933615	0.2237675	0.3776438	-4.288371
5835000000	0.261799388	2.827433388	-13.40787949	-8.808239789	-12.75468406	-8.028963035	0.2136023	0.3627338	0.2302851	0.3967819	-4.412377
5835000000	0.261799388	2.879793266	-13.27091439	-11.46385921	-13.40259878	-7.52392228	0.2169973	0.2671819	0.2137323	0.4205367	-5.048283
5835000000	0.261799388	2.932153143	-12.30904531	-16.18970493	-15.42102358	-7.985902404	0.2424084	0.1550653	0.1694138	0.3987538	-6.324282
5835000000	0.261799388	2.984513021	-12.68712501	-21.45823661	-18.64472424	-9.129519197	0.2320832	0.084545	0.1168863	0.3495619	-8.144516
5835000000	0.261799388	3.036872899	-15.74728876	-24.69498552	-21.72321267	-11.30168927	0.1631682	0.0582439	0.0820048	0.2722172	-10.81767
5835000000	0.261799388	3.089232776	-21.69309016	-26.9697926	-22.14552224	-16.17745053	0.0822897	0.044824	0.0781131	0.1552843	-14.88223
5835000000	0.261799388	3.141592654	-21.91534322	-22.79366736	-20.12386004	-23.55774205	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.261799388	3.141592654	-21.91534329	-22.79366707	-20.12386024	-23.557742	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.261799388	3.089232776	-19.00383673	-21.02763971	-17.84059522	-22.16845871	0.1121523	0.0888491	0.1282243	0.0779071	-13.82603
5835000000	0.261799388	3.036872899	-17.71507437	-20.47222459	-16.69321019	-20.37241696	0.1300907	0.0947085	0.1463322	0.095803	-12.63548
5835000000	0.261799388	2.984513021	-16.37670023	-16.35209303	-16.69772682	-16.27152587	0.1517627	0.1521932	0.146256	0.1536115	-10.4024
5835000000	0.261799388	2.932153143	-14.51370675	-13.1197655	-16.47406439	-15.10446709	0.1880679	0.2208064	0.150071	0.1757002	-8.699022
5835000000	0.261799388	2.879793266	-13.21212462	-11.90941004	-15.01204156	-18.2745037	0.218471	0.2538221	0.1775816	0.1219761	-8.269932
5835000000	0.261799388	2.827433388	-13.36110971	-11.44357647	-13.66553382	-16.82044689	0.2147556	0.2678065	0.2073592	0.1442041	-7.595972
5835000000	0.261799388	2.775037511	-15.01168505	-10.53455047	-13.1417709	-11.64203982	0.1775889	0.2973531	0.2202477	0.2617568	-6.402846
5835000000	0.261799388	2.722713633	-15.18555714	-9.892684877	-12.73598212	-9.778793641	0.1740693	0.320159	0.2307814	0.3243847	-5.601825
5835000000	0.261799388	2.670353756	-11.36506638	-10.35524494	-11.52373876	-10.30683702	0.2702382	0.3035553	0.2653463	0.3052517	-4.849108
5835000000	0.261799388	2.617993878	-8.251483656	-11.15074739	-9.9310718	-12.70465709	0.386746	0.2769891	0.3187472	0.2316152	-4.335528
5835000000	0.261799388	2.565634	-7.008816068	-10.44334789	-8.744980712	-14.05274089	0.4462304	0.3004918	0.3653852	0.1983192	-6.372346
5835000000	0.261799388	2.513274123	-7.486928763	-9.103732047	-8.102874697	-10.02323926	0.4223316	0.3506012	0.3934198	0.3153828	-2.605186
5835000000	0.261799388	2.460914245	-9.530623841	-8.612948332	-7.746340126	-6.715651148	0.3337865	0.3709818	0.4099048	0.4615486	-2.068254
5835000000	0.261799388	2.408554368	-13.15999189	-8.813842442	-17.14242916	-5.638878562	0.2197862	0.3624999	0.4258806	0.5224636	-2.323193
5835000000	0.261799388	2.35619449	-18.22077018	-8.534180944	-7.066670119	-6.696000788	0.122733	0.3743613	0.4432681	0.462594	-3.079716
5835000000	0.261799388	2.303834613	-18.27716865	-7.311791238	-6.761443438	-9.640797101	0.1219387	0.4309337	0.4575387	0.3295795	-3.478565
5835000000	0.261799388	2.251474735	-13.8441246	-6.111681178	-6.660995268	-11.73348766	0.2031392	0.4947843	0.4641894	0.5209154	-2.967934
5835000000	0.261799388	2.199114858	-11.03750481	-5.537878169	-6.71031222	-9.694277503	0.280624	0.5285744	0.4607326	0.3275564	-1.951851
5835000000	0.261799388	2.14675634	-9.770295919	-5.489415151	-6.888360485	-7.493089267	0.3247022	0.5315318	0.4524619	0.4220322	-1.256024
5835000000	0.261799388	2.094395102	-9.766402395	-5.556753631	-6.729879365	-6.164016865	0.3248478	0.527427	0.4607392	0.491812	-0.891634
5835000000	0.261799388	2.042035225	-10.74840784	-5.474999676	-5.787684351	-5.498387225	0.2901213	0.5324147	0.5135891	0.5309883	-0.597211
5835000000	0.261799388	1.989675347	-11.52352295	-5.333760164	-4.272999609	-5.583780071	0.2653529	0.5411429	0.6114347	0.5257884	-0.247931
5835000000	0.261799388	1.93731547	-5.237908362	-2.826344111	-2.73908362	-6.680066906	0.3119997	0.5471177	0.7222421	0.4634433	0.1925561
5835000000	0.261799388	1.884955592	-7.616566608	-5.051849436	-1.789445208	-8.985499106	0.416075	0.5589945	0.8138188	0.3545062	0.6005892
5835000000	0.261799388	1.832595715	-5.64295371	-5.488470164	-1.127696843	-11.86116519	0.5222186	0.5896258	0.8782439	0.2552359	1.0049813
5835000000	0.261799388	1.780235837	-4.394046282	-3.928192242	-0.610794453	-11.82850915	0.6029728	0.6361952	0.9320952	0.2561973	1.6824473
5835000000	0.261799388	1.72787596	-3.56472069	-3.366802629	-0.0473654	-9.286567872	0.6640127	0.6869519	0.9946127	0.3495863	2.5438608
5835000000	0.261799388	1.675516082	-2.797309205	-3.11221228	0.536521752	-7.275038899	0.7246604	0.6988857	1.063717	0.4327609	3.2870483
5835000000	0.261799388	1.623156204	-2.029963035	-3.140739116	0.17290905	-8.580245359	0.7915928	0.6956572	1.118316	0.5099032	3.8524062
5835000000	0.261799388	1.570796327	-1.330658205	-3.237676494	1.130341944	-4.407393291	0.8579601	0.6888365	1.1389797	0.6020469	4.3175693
5835000000	0.261799388	1.518436449	-0.717872864	-3.15902609	1.005382396	-2.7670885	0.920675	0.6951023	1.122714	0.7271861	4.7751626
5835000000	0.261799388	1.466076572	-0.142481348	-2.852314285	0.678885254	-1.28261502	0.98373	0.7200859	1.0812952	0.8627188	5.2200915
5835000000	0.261799388	1.413716694	-0.399199174	-2.529797125	0.25698085	-0.3032197	1.047032	0.7473261	1.0300289	0.9656928	5.5523672
5835000000	0.261799388	1.361356817	0.859509079	-2.481730714	-0.19502049	0.122314034	1.1040162	0.7514731	0.9777976	1.0141815	5.6829016
5835000000	0.261799388	1.308969939	1.249621869	-2.839339137	-0.667480098	0.247266908	1.1547317	0.7211263	0.926032	1.0288767	5.645196
5835000000	0.261799388	1.256637061	1.668874729	-3.457977892	-1.150241552	0.406054087	1.2118357	0.6715852	0.8759674	1.0478587	5.9516209
5835000000	0.261799388	1.2047277184	2.161245234	-3.985624915	-1.561977826	0.547409023	1.285144	0.6320024	0.8354128	1.0605511	5.6092471
5835000000	0.261799388	1.151917306	2.581366879	-4.227386703	-1.758422783	0.165731355	1.3460722	0.6146539	0.8167307	1.0192637	5.5675726
5835000000	0.261799388	1.099557429	2.709619441	-4.403014783	-1.634611425	-1.21380227	1.3660952	0.6023505	0.828456	0.8965807	5.2643921
5835000000	0.261799388	1.047197551	2.486769996	-4.793693515	-1.217615587	-3.222092882	1.3314918	0.5758579	0.869199	0.6900735	4.7775304
5835000000	0.261799388	0.994837674	2.113151455	-5.266671142	-0.663171854	-1.2754328	1.2754328	0.5453389	0.9264914	0.6826929	4.6851709
5835000000	0.261799388	0.942477796	1.868238244	-5.288427671	-0.167381976	-1.431148123	1.2399721	0.5439746	0.9809139	0.8480991	5.1366437
5835000000	0.261799388	0.890117919	1.752051197	-4.806845946	-0.134252555	-0.255965542	1.23496	0.5479866	1.0155765	0.9709609	5.5407635
5835000000	0.261799388	0.837758041	1.491078801	-4.481391086	0.215283651	-0.308167188	1.1878282	0.5969397	1.0250952	0.9651429	5.5164965
5835000000	0.261799388	0.785398163	0.89249294	-4.645250663	0.154239805	-1.107372599	1.1082166	0.5857839	1.0179161	0.8830314	5.0866538
5835000000	0.261799388	0.733038286	0.124164346	-4.687070323	-0.801220094	-1.944914837	1.0143976	0.5829704	1.0093947	0.7993818	4.6246613
5835000000	0.261799388	0.680678408	-0.244467072	-3.617703055	0.065614849	-2.473655538	0.9722471	0.6593482	1.0075828	0.7512121	4.5868529
5835000000	0.261799388	0.628318531	0.037929539	-1.939265677	0.03955458	-2.310648759	1.0043763	0.7990019	1.0045643	0.7664213	5.055619
5835000000	0.261799388	0.575958653	0.448223316	-0.724217946	-0.12						

5835000000	0.314159265	2.14675498	-3.207971517	-4.825913424	-10.230840045	-2.334215688	0.6911963	0.5737257	0.3079342	0.7643446	1.3533211
5835000000	0.314159265	2.199114858	-4.012703869	-5.246461639	-10.982059901	-2.240066458	0.6300352	0.5466092	0.282421	0.7726747	0.9522723
5835000000	0.314159265	2.251474735	-5.223132265	-7.125310183	-10.492275291	-2.70631284	0.5480793	0.4402856	0.298804	0.7322921	0.0841095
5835000000	0.314159265	2.303834613	-6.207793674	-10.64930054	-9.582979726	-3.972214579	0.4893395	0.2934506	0.3317803	0.632979	-1.172011
5835000000	0.314159265	2.35619449	-7.556397147	-12.72588598	-8.80937379	-6.06391744	0.4189673	0.2310499	0.3626865	0.4957127	-2.439817
5835000000	0.314159265	2.408554368	-9.881238964	-9.817718235	-8.446702884	-7.729246362	0.3205812	0.3229342	0.3781507	0.4107123	-2.899445
5835000000	0.314159265	2.460914245	-11.26274007	-7.797343555	-8.56311655	-7.030163279	0.2734406	0.4075049	0.3731163	0.4451351	-2.503427
5835000000	0.314159265	2.513274123	-9.752951404	-7.99372733	-9.011669817	-5.711425778	0.3253512	0.3938948	0.3543359	0.518118	-1.958584
5835000000	0.314159265	2.565634	-8.651752775	-10.71161795	-9.633369888	-5.172259661	0.3693281	0.2913527	0.3298614	0.5512988	-2.259808
5835000000	0.314159265	2.617993878	-9.083968389	-15.89230734	-10.56883112	-5.295096784	0.3513999	0.1604666	0.2961819	0.5435571	-3.403602
5835000000	0.314159265	2.670353756	-10.47896964	-13.81058335	-11.93232154	-6.450430194	0.299262	0.2039252	0.2531535	0.4980793	-0.051741
5835000000	0.314159265	2.722713633	-11.57050632	-9.794767114	-12.88857653	-7.665357527	0.2639214	0.3237887	0.2267625	0.4137444	-4.235098
5835000000	0.314159265	2.775073511	-11.81090866	-8.43927321	-12.5667949	-8.886030351	0.256717	0.3784743	0.2353208	0.3594997	-4.222415
5835000000	0.314159265	2.827433388	-12.10158235	-9.13959687	-12.23229783	-8.056625404	0.2482681	0.3491565	0.2445598	0.3955203	-4.169663
5835000000	0.314159265	2.879793266	-12.24612159	-11.71073795	-13.12158639	-7.389699059	0.2441709	0.2596947	0.2207601	0.4270857	-4.793726
5835000000	0.314159265	2.932153143	-11.75399466	-16.01844934	-15.59841548	-7.959070357	0.2584046	0.158153	0.165989	0.3999876	-6.173647
5835000000	0.314159265	2.984513021	-12.2287495	-20.57665897	-19.45905101	-9.20994586	0.2446597	0.0935766	0.1064259	0.34634	-8.057045
5835000000	0.314159265	3.036872899	-15.25870496	-24.28255311	-22.70703333	-11.37247174	0.1726095	0.0610762	0.0732321	0.2700079	-10.79834
5835000000	0.314159265	3.089232776	-21.41871491	-27.3948437	-22.41454151	-16.19797597	0.0849306	0.0426833	0.0757309	0.1549178	-14.93657
5835000000	0.314159265	3.141592654	-21.91534329	-22.79366707	-20.12386602	-23.557742	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.366519143	-3.141592654	-21.91534319	-22.79366707	-20.12386602	-23.5577419	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.366519143	-3.089232776	-18.84428658	-20.74682588	-17.77132732	-22.29427729	0.1142314	0.0917611	0.1292509	0.0767867	-13.72202
5835000000	0.366519143	-3.036872899	-17.83068835	-20.10734037	-16.51673408	-20.44381594	0.1283706	0.0987718	0.1493356	0.0950187	-12.55103
5835000000	0.366519143	-2.984513021	-17.18636561	-16.43048116	-16.40484217	-16.40612904	0.1382553	0.1508259	0.1512718	0.1512494	-10.58
5835000000	0.366519143	-2.932153143	-15.85867324	-13.25087538	-16.34556776	-15.12506724	0.1610892	0.2174985	0.1523076	0.1752858	-9.042279
5835000000	0.366519143	-2.879793266	-14.65456495	-11.86577845	-15.30109081	-17.60378905	0.1850426	0.2551004	0.1717693	0.1317682	-8.592873
5835000000	0.366519143	-2.827433388	-14.45943747	-11.24972193	-14.09981962	-17.41186263	0.1892466	0.2738057	0.1972464	0.1347122	-8.012647
5835000000	0.366519143	-2.775073511	-15.06846235	-10.50454664	-13.44078482	-12.99398888	0.1764318	0.298382	0.2127947	0.2240271	-6.821474
5835000000	0.366519143	-2.722713633	-14.44827285	-10.14014289	-12.84499352	-10.8965152	0.18949	0.3111665	0.2279031	0.2852118	-5.901799
5835000000	0.366519143	-2.670353756	-11.11621395	-10.74562153	-11.54990698	-10.68745778	0.2780925	0.2902144	0.2645481	0.2921643	-4.997401
5835000000	0.366519143	-2.617993878	-8.037999532	-11.47199891	-9.852490888	-12.03722302	0.3963693	0.2669316	0.321644	0.2501145	-4.186843
5835000000	0.366519143	-2.565634	-6.536814572	-10.721594	-8.467916303	-13.34830689	0.4711501	0.2910183	0.3772282	0.2128554	-3.99447
5835000000	0.366519143	-2.513274123	-6.541334866	-9.485412299	-7.582611195	-10.55713721	0.470905	0.3355285	0.4177047	0.2965809	-2.37962
5835000000	0.366519143	-2.460914245	-7.691594823	-9.300499507	-7.060571996	-7.365409169	0.4124965	0.3535697	0.4435781	0.4282817	-1.734714
5835000000	0.366519143	-2.408554368	-9.519798882	-9.066645877	-6.819357995	-6.281000419	0.3342028	0.3521014	0.4560706	0.4852326	-1.789607
5835000000	0.366519143	-2.35619449	-11.27478821	-8.510836443	-6.868315981	-7.225017859	0.2730616	0.3753688	0.4535072	0.4352604	-2.286004
5835000000	0.366519143	-2.303834613	-11.42587617	-7.209065477	-7.091037084	-9.256421884	0.2683528	0.4360605	0.4420263	0.3444918	-2.551446
5835000000	0.366519143	-2.251474735	-9.693481724	-6.045862494	-7.24984016	-9.428042594	0.3275864	0.4985479	0.4340182	0.3336587	-1.960797
5835000000	0.366519143	-2.199114858	-7.825563504	-5.419105583	-7.2782247	-7.898469542	0.4061831	0.5358518	0.4326022	0.402788	-1.024773
5835000000	0.366519143	-2.14675498	-6.631923708	-5.140893267	-7.239166737	-6.796408964	0.4606192	0.5532932	0.4345519	0.4572772	-0.394743
5835000000	0.366519143	-2.094395102	-6.175238337	-4.898504351	-6.909983942	-6.328857365	0.4911771	0.5689509	0.4513369	0.4825665	-0.025961
5835000000	0.366519143	-2.042035225	-6.475173446	-4.660237341	-5.882314694	-6.178479364	0.4745056	0.5847741	0.508024	0.4909938	-0.2495633
5835000000	0.366519143	-1.989675347	-7.61551831	-4.626518557	-4.32235467	-6.455775128	0.4161253	0.5870686	0.6079702	0.4755665	-0.3686443
5835000000	0.366519143	-1.93731547	-9.365821233	-4.887612284	-2.843618768	-7.495960366	0.3401801	0.5969448	0.7208071	0.4218927	-0.2252526
5835000000	0.366519143	-1.884955592	-9.956767037	-5.271622612	-1.783054868	-9.302870053	0.3178057	0.5450281	0.8144178	0.3426545	-0.0860237
5835000000	0.366519143	-1.832595715	-7.874348681	-5.44339163	-1.092936716	-10.60617216	0.4039081	0.5343557	0.8817657	0.2949113	-0.485364
5835000000	0.366519143	-1.780235837	-5.479566577	-5.250185247	-0.538328124	-9.483188057	0.5321348	0.5463749	0.9399042	0.3356144	-1.4156338
5835000000	0.366519143	-1.72787596	-3.987184606	-4.927425759	-0.0499504	-7.344232435	0.631889	0.5670596	1.005769	0.4293272	-2.391867
5835000000	0.366519143	-1.675516082	-3.184007003	-4.777164858	0.626269006	-5.609608278	0.693106	0.5769548	1.0747638	0.5524272	-3.1341679
5835000000	0.366519143	-1.623156204	-2.513401969	-4.847203267	1.031439401	-4.211873041	0.748738	0.5773212	1.1260871	0.6157527	-3.7020537
5835000000	0.366519143	-1.570796327	-1.627249256	-4.932151277	1.159636496	-2.775716856	0.8291585	0.5667512	1.1428305	0.7264641	-4.2576072
5835000000	0.366519143	-1.518436449	-0.658581344	-4.774182108	1.013650956	-1.265890106	0.9269812	0.5771529	1.1237832	0.8643816	-4.8416283
5835000000	0.366519143	-1.466076572	0.085969269	-4.32786552	0.674586732	0.010542384	1.0099467	0.6075846	1.0807602	1.0012145	-5.3422746
5835000000	0.366519143	-1.4137116694	0.489762658	-3.845257698	0.237218922	0.76946881	1.580006	0.6425988	1.0276872	0.1926308	-6.5220834
5835000000	0.366519143	-1.361356817	0.688255802	-3.657606580	-0.248333916	0.949170446	1.0824623	0.6563261	0.9718143	1.1154716	-5.6344682
5835000000	0.366519143	-1.308969939	0.939261715	-3.90631702	-0.780072741	0.759291064	1.1141998	0.6377837	0.9141056	1.0913513	-5.477242
5835000000	0.366519143	-1.256637061	1.387301228	-4.40821531	-1.340466027	0.579885467	1.1731811	0.6019899	0.8569919	1.0690408	-5.3462598
5835000000	0.366519143	-1.2047277184	1.916458836	-4.732191058	-1.832807242	0.504216066	1.2468751	0.5799499	0.8097662	1.059768	-5.3348833
5835000000	0.366519143	-1.151971306	2.274433982	-4.683724336	-2.117708957	0.084947912	1.2993367	0.583195	0.7836363	1.009828	-5.2869006
5835000000	0.366519143	-1.099557429	2.291654196	-4.585158385	-2.18281845	-1.117729447	1.3019152	0.5898507	0.7835846	0.8792523	-4.9952218
5835000000	0.366519143	-1.047197551	2.000914402	-4.748499578	-1.836499074	-2.513216523	1.259058	0.578862	0.8094221	0.748754	-4.5989993
5835000000	0.366519143	-0.994837674	1.630871308	-4.970279435	-1.329015671	-1.991833755	1.2065451	0.5642688	0.8581224	0.7950754	-4.6701408
5835000000	0.366519143	-0.942477796	1.410810504	-4.69761616	-0.738292123	-0.223584043	1.1763607	0.5822623	0.9185132	0.9745874	-5.2293598
5835000000	0.366519143	-0.890119719	1.312473017	-3.980656061	-0.716212478	0.04231607	1.1631177	0.6323641	0.970881	1.085952	-5.6938353
5835000000	0.366519143	-0.837758041	1.109363931	-3.479331916	-0.202549688	0.42832367	1.1362351	0.6693691	0.9976369	1.0505487	-5.6984835
5835000000	0.366519143	-0.785398163	0.658579639	-3.48650018	-0.045440719	-0.366035173	1.0787703	0.6936835	0.9947821	0.9293905	-5.2782256
5835000000	0.366519143	-0.733038286	0.106900762	-3.548090512	-0.220629282	-1.573261635	1.0123835	0.6646538	0.974919	0.8343282	-4.8265664
5835000000	0.366519143	-0.680678408	-0.146225456	-2.843725555							

5835000000	0.366519143	2.042035225	-6.490974242	-5.689540407	-6.297985677	-3.108298837	0.4736432	0.5194252	0.4842847	0.6991737	0.7346799
5835000000	0.366519143	2.094395102	-5.267543508	-4.893657905	-8.62734068	-3.072534042	0.5452841	0.5692684	0.3703676	0.7020585	0.7762908
5835000000	0.366519143	2.14675498	-4.280699588	-4.28093518	-11.10689665	-2.802244762	0.6108928	0.6108763	0.278391	0.7242488	0.9236922
5835000000	0.366519143	2.199114858	-4.381744552	-4.377825506	-12.38977248	-2.623261598	0.6038273	0.6040998	0.2401659	0.7393276	0.7780465
5835000000	0.366519143	2.251474735	-5.073850766	-5.43800306	-11.82776286	-2.797640829	0.5575804	0.5346873	0.2562193	0.7246328	0.3118876
5835000000	0.366519143	2.303834613	-5.738031884	-7.410571318	-10.52870828	-3.620567852	0.5165334	0.4260607	0.2975532	0.6591308	-0.448829
5835000000	0.366519143	2.35619449	-6.644510035	-9.138450039	-9.396266327	-5.322594537	0.4653444	0.3492026	0.3389898	0.541839	-1.43528
5835000000	0.366519143	2.408554368	-8.51938059	-8.644200575	-8.706456744	-7.395042286	0.3749997	0.3696494	0.3670094	0.4268231	-2.28754
5835000000	0.366519143	2.460914245	-11.02202163	-7.529544031	-11.82776286	-7.853927203	0.2811246	0.4022646	0.3785043	0.4048589	-2.587519
5835000000	0.366519143	2.5027374123	-11.22600354	-7.897754519	-8.49849441	-6.647532296	0.2745996	0.4028812	0.3759022	0.465182	-3.292271
5835000000	0.366519143	2.565634	-9.855347005	-10.80723957	-9.867837509	-5.568577075	0.3215383	0.2881629	0.3561296	0.5267095	-2.521079
5835000000	0.366519143	2.617993878	-9.655579316	-17.75511111	-10.13085801	-5.197603308	0.329019	0.1294924	0.3114993	0.5496925	-3.611074
5835000000	0.366519143	2.670353756	-10.71366464	-15.51066358	-11.92421418	-5.910372244	0.2912841	0.1676744	0.2533899	0.5063856	-4.302421
5835000000	0.366519143	2.722713633	-11.54448169	-10.52142437	-12.89735245	-7.946810388	0.2647134	0.2978028	0.2265335	0.4005525	-4.512565
5835000000	0.366519143	2.775073511	-11.10875188	-9.036989103	-12.19399788	-9.386547425	0.2783315	0.3533056	0.2456406	0.3393694	-4.317308
5835000000	0.366519143	2.827433388	-10.88434221	-9.740801334	-11.79304699	-8.067238553	0.2856162	0.3258066	0.2572454	0.3950373	-3.987682
5835000000	0.366519143	2.879793266	-11.16013205	-12.19608572	-12.88174773	-7.255881493	0.27669	0.2455815	0.2269408	0.4337165	-4.561428
5835000000	0.366519143	2.932153143	-11.11746615	-15.97551727	-15.74994497	-7.934603637	0.2780524	0.1589367	0.1631183	0.4011158	-6.009981
5835000000	0.366519143	2.984513021	-11.76323438	-19.80768981	-20.2644901	-9.288037505	0.2581299	0.1022387	0.0970008	0.3432402	-7.952184
5835000000	0.366519143	3.036872899	-14.79827641	-23.85269867	-23.73879247	-11.4451079	0.1820062	0.0641749	0.065022	0.2675793	-10.76759
5835000000	0.366519143	3.089232776	-21.13608865	-27.83999664	-22.66583965	-16.22768713	0.0877396	0.0045509	0.0735712	0.1543867	-14.98549
5835000000	0.366519143	3.141592654	-21.91534319	-22.7936669	-20.12385993	-23.5577419	0.0802108	0.0724964	0.0988581	0.0663916	-15.98072
5835000000	0.366519143	3.1487902	-21.9152654	-22.79366718	-20.123866036	-23.55774192	0.0802108	0.0724964	0.0988581	0.0663916	-15.98072
5835000000	0.41887902	-3.089232776	-18.6872263	-20.46694043	-17.70993434	-22.42331957	0.1163158	0.0947392	0.1301677	0.0756544	-13.62044
5835000000	0.41887902	-3.036872899	-17.89073698	-19.70007232	-16.36783469	-20.54566461	0.1274862	0.1035134	0.1519177	0.0939111	-12.45336
5835000000	0.41887902	-2.984513021	-17.87182003	-16.46015895	-16.19315269	-16.57805447	0.1277641	0.1503114	0.1550038	0.148285	-10.73163
5835000000	0.41887902	-2.932153143	-17.193791	-13.38171547	-16.35411517	-15.04594828	0.1381371	0.2142467	0.1521572	0.1768897	-9.352165
5835000000	0.41887902	-2.879793266	-16.17146516	-11.8509328	-15.72802004	-16.44111022	0.1553913	0.2555367	0.1635306	0.1506415	-8.812641
5835000000	0.41887902	-2.827433388	-15.31695361	-11.09973942	-14.5660609	-17.13223612	0.1714559	0.2786205	0.1869377	0.1391196	-8.22187
5835000000	0.41887902	-2.775073511	-14.7822696	-10.46851729	-13.59759759	-14.79850489	0.1888377	0.2996223	0.2098874	0.1820014	-7.136389
5835000000	0.41887902	-2.722713633	-13.44322305	-10.31700841	-12.70879727	-12.75501474	0.212735	0.3048945	0.2315049	0.2032763	-6.201304
5835000000	0.41887902	-2.670353756	-11.17538953	-10.98707177	-11.35947099	-11.63940064	0.2762044	0.2822581	0.2704123	0.2618364	-5.266405
5835000000	0.41887902	-2.617993878	-8.448278879	-11.55643505	-9.648611332	-11.93975986	0.378082	0.2643494	0.3292831	0.2529368	-4.260351
5835000000	0.41887902	-2.565634	-6.751320023	-10.78626738	-8.157022196	-13.02208877	0.4596571	0.2888595	0.3909749	0.2233035	-3.331989
5835000000	0.41887902	-2.513274123	-6.263171683	-9.723523181	-7.124240584	-10.97248058	0.4862296	0.3264554	0.4403398	0.2827327	-2.291447
5835000000	0.41887902	-2.460914245	-6.55515934	-9.359346226	-6.510975135	-7.871574577	0.4701561	0.3404338	0.4725538	0.4040371	-1.477368
5835000000	0.41887902	-2.408554368	-7.152090415	-9.278516414	-6.314950576	-6.533655269	0.4389302	0.3436166	0.4833422	0.4713215	-1.223551
5835000000	0.41887902	-2.35619449	-7.668679754	-8.524330879	-6.544757082	-6.82244749	0.4135862	0.3747861	0.4707195	0.4559084	-1.335317
5835000000	0.41887902	-2.303834613	-7.559139162	-7.213190386	-6.981719356	-7.522437924	0.4188351	0.3458534	0.4476247	0.4206086	-1.295289
5835000000	0.41887902	-2.251474735	-6.631708116	-6.15907391	-7.247258087	-7.211626647	0.4660308	0.4920292	0.4341473	0.4595319	-1.780116
5835000000	0.41887902	-2.199114858	-5.582517659	-5.60058037	-7.265274928	-6.559973047	0.5258648	0.5247724	0.4332477	0.4698956	-0.203085
5835000000	0.41887902	-2.14675498	-4.944387446	-5.249297283	-7.199205907	-6.577034272	0.5659533	0.5464308	0.4365515	0.4689735	0.0774319
5835000000	0.41887902	-2.094395102	-4.662536049	-4.789614262	-6.886293272	-7.084048203	0.5846194	0.5761284	0.4525695	0.4423821	0.2389529
5835000000	0.41887902	-2.042035225	-4.608732228	-4.288724281	-5.920913539	-7.35344787	0.588252	0.6013287	0.5057715	0.4288719	0.5601295
5835000000	0.41887902	-1.989675347	-4.980327482	-4.018187582	-4.428841318	-7.235888084	0.5636164	0.6296376	0.6005621	0.434716	0.9397778
5835000000	0.41887902	-1.93731547	-6.152262406	-4.100927199	-3.003297739	-7.183735499	0.4924781	0.6236683	0.7076775	0.437334	1.0660173
5835000000	0.41887902	-1.884955592	-8.21532844	-4.438894133	-1.993054244	-7.278750816	0.3883592	0.5998674	0.7949637	0.432576	0.8889793
5835000000	0.41887902	-1.832595715	-9.157303777	-4.785449511	-1.360621451	-7.060512836	0.3484455	0.5764047	0.8550055	0.4435825	0.9190192
5835000000	0.41887902	-1.780235837	-6.887377516	-4.929114295	-0.875924279	-6.185960837	0.4525131	0.5669494	0.9040736	0.4905711	1.6345309
5835000000	0.41887902	-1.72787596	-4.678382429	-4.9140272	-0.77525491	-6.007638219	0.5835538	0.5679395	0.9580181	0.561847	2.5140287
5835000000	0.41887902	-1.675516082	-3.672017502	-4.948261732	-1.17530504	-3.997722737	0.6552381	0.565701	1.0136232	0.6311228	1.323969
5835000000	0.41887902	-1.623156204	-3.282290545	-5.10970081	0.467107872	-3.191617455	0.6853075	0.5552837	1.0552501	0.692499	3.488001
5835000000	0.41887902	-1.570796327	-2.600203079	-5.259126148	0.596850311	-2.307239359	0.7412929	0.5458128	1.0711308	0.7667222	3.8762857
5835000000	0.41887902	-1.518436449	-1.419738623	-5.19389007	0.510874666	-1.21153223	0.849206	0.5499276	1.0605807	0.869808	4.4270387
5835000000	0.41887902	-1.466076572	-0.368095273	-4.873804083	0.263035153	-0.179867768	0.9585069	0.5705711	1.0307462	0.9795049	4.9578191
5835000000	0.41887902	-1.4137116694	0.112780896	-4.504647241	-0.091590337	0.403715834	1.013069	0.5953435	0.9895107	1.0475766	5.2145418
5835000000	0.41887902	-1.361356817	0.12276572	-4.373163182	-0.521709658	0.368235158	1.0142343	0.6044242	0.9417042	1.0433061	5.1142975
5835000000	0.41887902	-1.308996939	0.140051539	-4.592454148	-1.00307739	-0.098182077	1.0162547	0.5893554	0.8909352	0.98876	4.8242169
5835000000	0.41887902	-1.256637061	0.546445897	-4.937116011	-1.474228103	-0.430829825	1.064933	0.5664273	0.8438954	0.9516089	4.6773391
5835000000	0.41887902	-1.204277184	1.165118567	-4.957800127	-1.823420171	-0.320756015	1.143552	0.5650801	0.8106418	0.9637451	4.818517
5835000000	0.41887902	-1.151917306	1.552932869	-4.560504181	-1.976468759	-0.307696173	1.1957672	0.5915273	0.7964831	0.9651953	4.9814537
5835000000	0.41887902	-1.095957429	1.494097161	-4.170491989	-1.975703828	-0.908539588	1.1876948	0.6186933	0.7965532	0.9006852	4.8697562
5835000000	0.41887902	-1.047197551	1.128382196	-4.08362914	-1.870754015	-1.554651255	1.1387257	0.6249115	0.8062362	0.8361717	4.6242704
5835000000	0.41887902	-0.994837674	0.809407682	-4.06391393	-1.602922682	-0.831499252	1.0976664	0.6263316	0.8314839	0.9087094	4.7714376
5835000000	0.41887902	-0.942477796	0.744464745	-3.623322734	-1.12648339	0.631144906	1.08949	0.6589182	0.8783666	0.1075363	3.5484726
5835000000	0.41887902	-0.890119719	0.795836571	-2.859450317	-0.5739866	1.3400087	1.0959527	0.7194945	0.9360535	1.1668108	5.8413793
5835000000	0.41887902	-0.837758041	0.717290136	-2.359136527	-0.174472191	0.917070148	1.0860867	0.7621548	0.9801135	1.113358	5.8886892
5835000000	0.41887902	-0.785398163	0.437133655	-2.38946616	-0.073155632	-0.192664497	1.0516148				

5835000000	0.41887902	1.93731547	-3.845847079	-6.869335439	-4.011851956	-3.013370698	0.6422552	0.453454	0.630097	0.7068568	1.7010392
5835000000	0.41887902	1.989675347	-5.132077422	-6.696276929	-4.853904051	-3.174974102	0.5538551	0.4625793	0.5718799	0.6938272	1.1462508
5835000000	0.41887902	2.042035225	-6.863688764	-6.24290154	-6.268998549	-3.508879449	0.4537489	0.4873657	0.4859036	0.667661	0.4017501
5835000000	0.41887902	2.094395102	-7.167055813	-5.453218041	-8.247882068	-3.555553986	0.4381746	0.5337515	0.3869064	0.6640829	0.0989544
5835000000	0.41887902	2.14675498	-6.136996853	-4.755327961	-3.339250673	-3.339250673	0.4933443	0.5784071	0.2976967	0.6808281	0.2156474
5835000000	0.41887902	2.199114858	-5.514100921	-4.523119953	-12.4092957	-3.099721029	0.5300223	0.5940787	0.2396267	0.6998645	0.2718818
5835000000	0.41887902	2.251474735	-5.496084133	-4.901928349	-12.86410047	-3.061004275	0.5311238	0.5687267	0.2274024	0.702991	0.1303643
5835000000	0.41887902	2.303834613	-5.708516152	-5.845082528	-11.86839144	-3.549441304	0.5182916	0.5102064	0.2550235	0.6645504	-0.2285
5835000000	0.41887902	2.35619449	-6.201564525	-6.919659951	-10.53231544	-4.885090575	0.4896906	0.4508340	0.2974291	0.5698302	-0.877668
5835000000	0.41887902	2.40054368	-7.478633426	-7.29373404	-9.4651055	-6.948382737	0.4227351	0.4318305	0.3362981	0.449346	-1.722612
5835000000	0.41887902	2.460914245	-9.79701319	-7.151877624	-8.717913997	-8.315792286	0.3237049	0.438941	0.3665256	0.3838932	-4.2345
5835000000	0.41887902	2.513274123	-11.79091178	-7.90497726	-8.331680485	-7.489918298	0.2573087	0.4024863	0.3831916	0.4221863	-2.702823
5835000000	0.41887902	2.565634	-11.43249962	-11.04681464	-8.606042295	-5.924714458	0.2681483	0.2803233	0.3712769	0.5055502	-2.942482
5835000000	0.41887902	2.617993878	-10.94376538	-20.02314156	-9.916373661	-5.127400102	0.2836689	0.0997339	0.3192871	0.5541534	-0.434977
5835000000	0.41887902	2.670353756	-11.67260673	-17.6067329	-12.07381257	-5.837551171	0.2608373	0.1317235	0.2490631	0.5106489	-4.789493
5835000000	0.41887902	2.722713633	-11.95599306	-11.44947814	-12.9955513	-8.311005132	0.2524645	0.2676246	0.2239868	0.3841048	-4.973026
5835000000	0.41887902	2.775073511	-10.62451267	-9.902778825	-11.92277296	-9.912503746	0.2942892	0.3197872	0.2534319	0.3194293	-4.532041
5835000000	0.41887902	2.827433388	-9.882712409	-10.64568412	-11.47845329	-8.044496143	0.3205268	0.2935728	0.2667334	0.396073	-3.897422
5835000000	0.41887902	2.879793266	-10.15445729	-12.91874812	-12.72259689	-7.132274016	0.3106541	0.2925761	0.2311374	0.4399328	-4.381416
5835000000	0.41887902	2.932153143	-10.45852578	-15.99356891	-15.88887007	-7.921347225	0.2999672	0.1586067	0.1605301	0.4017285	-5.84151
5835000000	0.41887902	2.984513021	-11.30435475	-19.10991659	-20.9931035	-9.364243555	0.2721337	0.1107909	0.0891959	0.3402419	-7.825604
5835000000	0.41887902	3.036872899	-14.36978988	-23.31982788	-24.74954037	-11.51783674	0.19121	0.0674541	0.0578793	0.2655267	-10.7211
5835000000	0.41887902	3.089232776	-20.85340648	-28.30733469	-22.89152469	-16.26593167	0.090642	0.0384267	0.0716843	0.1537105	-15.02917
5835000000	0.41887902	3.141592654	-21.9153432	-22.79366718	-20.12386036	-23.55774192	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.4171238898	-3.141592654	-21.91534332	-22.79366699	-20.12386029	-23.55774211	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.4171238898	-3.089232776	-18.53353055	-20.19755634	-17.65730793	-22.5508539	0.1183923	0.0977512	0.1309588	0.0745153	-13.52222
5835000000	0.4171238898	-3.036872899	-17.89153432	-19.26030416	-16.24995995	-20.673805	0.1274745	0.1088892	0.1539934	0.0925358	-12.34358
5835000000	0.4171238898	-2.984513021	-18.31139539	-16.42371698	-16.05938344	-16.77790596	0.1214591	0.1509344	0.1574095	0.1449121	-10.83141
5835000000	0.4171238898	-2.932153143	-18.18406505	-13.49868429	-16.48015866	-14.86388166	0.1232528	0.2113809	0.1499657	0.1806367	-9.561083
5835000000	0.4171238898	-2.879793266	-17.37020149	-11.86161398	-16.255761	-15.07500387	0.1353599	0.2552227	0.1538905	0.176299	-8.864641
5835000000	0.4171238898	-2.827433388	-15.6483902	-10.99501013	-14.97677031	-15.81713963	0.1650367	0.2820003	0.1783042	0.1618613	-8.098872
5835000000	0.4171238898	-2.775073511	-13.61225287	-10.43832289	-13.55260267	-15.44559664	0.2086351	0.3006657	0.2100728	0.1505637	-7.230841
5835000000	0.4171238898	-2.722713633	-12.50693527	-10.4456286	-12.38996678	-15.43403649	0.2369481	0.3004129	0.2401605	0.1691602	-6.49652
5835000000	0.4171238898	-2.670353756	-11.4412083	-11.33220362	-11.09750261	-12.98999634	0.2678796	0.2775811	0.2786922	0.2241301	-5.611029
5835000000	0.4171238898	-2.617993878	-9.399443133	-11.50658285	-9.475687066	-12.15289127	0.3388659	0.2658709	0.3359044	0.2468058	-4.528315
5835000000	0.4171238898	-2.565634	-7.579792573	-10.70622728	-7.943844407	-12.85062867	0.4178403	0.2915336	0.4006893	0.2277553	-3.492655
5835000000	0.4171238898	-2.513274123	-6.581166916	-9.82300264	-6.821708608	-11.33224172	0.4687504	0.3227378	0.4559472	0.2712613	-2.391178
5835000000	0.4171238898	-2.460914245	-6.104931408	-9.597268462	-6.149140881	-8.18871427	0.495169	0.3312353	0.4926551	0.389551	-1.36774
5835000000	0.4171238898	-2.40054368	-5.923207839	-9.497671222	-5.936604468	-6.388797702	0.5056379	0.3350553	0.5048586	0.4792478	-0.796297
5835000000	0.4171238898	-2.35619449	-5.991070687	-8.652180469	-6.660077928	-5.904916607	0.5017027	0.3693099	0.4920351	0.5067038	-0.584922
5835000000	0.4171238898	-2.303834613	-6.010468444	-7.368564902	-6.591291906	-5.859357802	0.5005836	0.4281261	0.4682043	0.5093685	-0.416855
5835000000	0.4171238898	-2.251474735	-5.618242614	-6.446906357	-6.9239107	-5.684963792	0.5237064	0.4760253	0.4503445	0.5196989	-0.132148
5835000000	0.4171238898	-2.199114858	-5.116314046	-6.053840871	-7.165815964	-5.815594011	0.5548611	0.4989002	0.4382372	0.5119415	0.0135824
5835000000	0.4171238898	-2.14675498	-5.01315966	-5.820413872	-7.385680943	-6.785298734	0.56149	0.5116675	0.4272833	0.4578625	-0.183045
5835000000	0.4171238898	-2.094395102	-5.054542399	-5.336502817	-7.26142708	-8.316195166	0.5511538	0.5409721	0.4334397	0.3838754	-0.404275
5835000000	0.4171238898	-2.042035225	-5.179506046	-4.658864236	-6.317126344	-8.930957039	0.5585303	0.4886626	0.4832186	0.357645	-0.068262
5835000000	0.4171238898	-1.989675347	-4.747326766	-4.115767338	-4.787108762	-7.912706579	0.5789401	0.6226036	0.5762946	0.4021283	0.7483937
5835000000	0.4171238898	-1.93731547	-4.946341885	-3.876746635	-4.341576625	-6.56389728	0.656826	0.6399749	0.6806458	0.4697108	1.4234849
5835000000	0.4171238898	-1.884955592	-6.267059428	-3.893747241	-3.228664393	-5.615798887	0.486012	0.6387731	0.7648333	0.5238537	1.6320661
5835000000	0.4171238898	-1.832595715	-8.359966013	-3.994116034	-1.701840631	-5.025695857	0.3819458	0.6313849	0.8220684	0.5066802	1.5694238
5835000000	0.4171238898	-1.780235837	-7.972253877	-0.414631357	-1.231831447	-4.523725785	0.3993809	0.6298954	0.8677776	0.5940373	1.9071926
5835000000	0.4171238898	-1.72787596	-5.543924391	-3.947949364	-0.585205522	-3.996449128	0.582065	0.6347497	0.9163785	0.6132153	2.6405488
5835000000	0.4171238898	-1.675516082	-4.120940665	-3.911128333	-0.301874543	-3.60588426	0.6222329	0.6374663	0.9658424	0.660246	3.1846271
5835000000	0.4171238898	-1.623156204	-3.753149313	-3.961595349	0.050155938	-3.460340573	0.6491462	0.6373533	1.0057911	0.6714025	3.4055077
5835000000	0.4171238898	-1.570796327	-3.440568929	-0.426242104	0.255142144	-3.300800039	0.6729326	0.629054	1.02981	0.6838487	3.5670049
5835000000	0.4171238898	-1.518436449	-2.361942838	-4.002575877	-1.631606281	-2.704614031	0.7619086	0.6307703	1.0370873	0.7324354	3.9791906
5835000000	0.4171238898	-1.466076572	-1.071752832	-3.889664989	0.241836499	-1.789442534	0.8893188	0.6390234	1.0282337	0.8138191	4.5190884
5835000000	0.4171238898	-1.413716694	-0.392975007	-3.813977864	0.029775295	-1.149086177	0.9557653	0.644616	1.0034339	0.8760839	4.8107331
5835000000	0.4171238898	-1.361356817	-0.412888314	-3.931168842	-0.307921443	-1.146831125	0.9535766	0.6359772	0.9651703	0.8763114	4.6879041
5835000000	0.4171238898	-1.308996939	-0.594822626	-4.263036666	-0.712100988	-1.563588739	0.9338107	0.6121363	0.921287	0.8352578	4.3562355
5835000000	0.4171238898	-1.256637061	-0.282399051	-4.564433264	-1.070978359	-1.546616596	0.9680105	0.5912598	0.8839976	0.8368915	4.2972989
5835000000	0.4171238898	-1.204777184	-0.445182953	-4.459252751	-1.27151639	-0.754565269	1.0525898	0.5984631	0.8638218	0.9167939	4.689507
5835000000	0.4171238898	-1.151917306	0.939845189	-3.949513829	-1.304028742	-0.07969034	1.1142747	0.6346354	0.8605945	0.9908673	5.1063473
5835000000	0.4171238898	-1.099557429	0.843801151	-3.455759414	-1.288113562	-0.131291682	1.1020215	0.6717567	0.8621728	0.9849982	5.1558487
5835000000	0.4171238898	-1.047197551	0.358047183	-3.234457859	-1.325200007	-0.474722644	1.0420831	0.6809918	0.8584974	0.9468122	4.9508356
5835000000	0.4171238898	-0.994837674	0.044742367	-3.076793276	-1.347013168	-0.009768939	1.0051644	0.7017143	0.8563461	0.9988759	5.0135243
5835000000	0.4171238898	-0.942477796	0.180170215	-2.592486834	-1.168948446	1.080445814	1.0209595	0.7419517	0.8740828	1.1324585	5.5049656
5835000000	0.4171238898	-0.890117919	0.456021								

5835000000	0.471238898	1.832595715	-2.33515069	-7.434796054	-4.166615137	-4.979505291	0.7642624	0.424874	0.6189695	0.5636698	1.4808722
5835000000	0.471238898	1.884955592	-2.368137143	-8.413815534	-4.209868963	-3.889669305	0.7613654	0.3795852	0.6158948	0.6390231	1.5686955
5835000000	0.471238898	1.93731547	-2.803245497	-8.987885804	-4.386473099	-3.406746368	0.7241653	0.3553086	0.6034987	0.6755581	1.4322307
5835000000	0.471238898	1.989675347	-3.894663193	-9.052938335	-4.86348985	-3.593183997	0.6386558	0.3526575	0.5712491	0.6612121	0.9212147
5835000000	0.471238898	2.042035225	-5.682537568	-8.361445304	-5.709248463	-3.977248257	0.5198441	0.3818807	0.5182479	0.6326122	0.2254231
5835000000	0.471238898	2.094395102	-7.463929688	-7.279236238	-6.906717499	-4.069021145	0.4234513	0.4325519	0.4515066	0.6259634	-0.293837
5835000000	0.471238898	2.14675498	-7.825170084	-6.386708246	-4.838761959	-3.86618884	0.4062015	0.4793631	0.3784962	0.6407529	-0.42355
5835000000	0.471238898	2.199114858	-7.068887129	-5.869660688	-10.27790547	-3.595416284	0.443155	0.5087467	0.3062702	0.6610422	-0.35805
5835000000	0.471238898	2.251474735	-6.382002365	-5.688631125	-12.04720974	-3.45306794	0.4796229	0.5194795	0.2498271	0.6719649	-0.35053
5835000000	0.471238898	2.308343613	-6.072481284	-5.867587723	-12.72253309	-3.738213809	0.4970224	0.5088861	0.2311391	0.6502634	-0.503731
5835000000	0.471238898	2.35619449	-6.198300287	-6.398924674	-11.96862368	-4.77333897	0.4898747	0.4786894	0.2520976	0.5727089	-0.925431
5835000000	0.471238898	2.408554368	-7.013799163	-6.957834707	-10.66438094	-6.611960841	0.4459745	0.4488573	0.2929415	0.4670915	-1.645349
5835000000	0.471238898	2.460914245	-8.837465079	-7.358941057	-9.394933686	-8.409331197	0.3615154	0.4286008	0.3390419	0.3797812	-2.447165
5835000000	0.471238898	2.513724123	-11.42793429	-8.411767799	-8.552468446	-8.096832688	0.2682893	0.3796747	0.3735739	0.3936936	-3.00405
5835000000	0.471238898	2.565634	-12.85179408	-11.68570402	-8.630620643	-6.221076538	0.2277248	0.2604443	0.3702278	0.4885918	-3.433322
5835000000	0.471238898	2.617993878	-12.80803271	-11.59901046	-10.0323928	-5.123846328	0.228875	0.0831859	0.3150506	0.5543802	-4.571987
5835000000	0.471238898	2.670353756	-13.45563827	-18.93655735	-12.4429714	-5.874804901	0.2124311	0.1130244	0.2386995	0.5084635	-5.411695
5835000000	0.471238898	2.722713633	-12.92984203	-12.43853143	-13.16562826	-8.764119125	0.2256877	0.2388215	0.2196436	0.364581	-5.607294
5835000000	0.471238898	2.775073511	-10.42968368	-11.05078848	-11.75709453	-10.39086897	0.3009649	0.2801951	0.2583124	0.3023128	-4.869812
5835000000	0.471238898	2.827433388	-9.141135454	-11.90959344	-11.30295421	-7.97887503	0.3490947	0.2538168	0.2721775	0.3990766	-3.916082
5835000000	0.471238898	2.879793266	-9.301404077	-13.85541437	-12.66373818	-7.028582058	0.3427124	0.2028753	0.232709	0.4452161	-2.68429
5835000000	0.471238898	2.932153143	-9.828393312	-15.98717171	-16.02000896	-7.926492718	0.3225376	0.1587236	0.1581246	0.4014906	-5.672617
5835000000	0.471238898	2.984513021	-10.86637865	-18.45456567	-9.48323029	-11.58892755	0.2862075	0.0194735	0.0836995	0.337356	-7.673257
5835000000	0.471238898	3.036872899	-13.97638577	-22.99562765	-25.61251337	-11.58892755	0.2000694	0.0708302	0.0524052	0.2633623	-10.65276
5835000000	0.471238898	3.089232776	-20.57739598	-28.79941811	-23.68138128	-16.31210854	0.0935686	0.0363102	0.0701147	0.1528955	-10.6784
5835000000	0.471238898	3.141592654	-21.91534332	-22.79366699	-20.12386602	-23.55774211	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.523598776	-3.141592654	-21.91534306	-22.79366707	-20.12386603	-23.5577421	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.523598776	-3.089232776	-18.38409313	-19.93344416	-17.61418633	-22.68893028	0.1204468	0.1007704	0.1316105	0.0737359	-13.48226
5835000000	0.523598776	-3.036872899	-17.83597728	-18.79937996	-16.16537366	-20.82621689	0.1282925	0.1148236	0.1555003	0.0909639	-12.22412
5835000000	0.523598776	-2.984513021	-18.4206828	-16.30817591	-15.99883609	-16.99735398	0.1199405	0.1529642	0.1585106	0.1412968	-10.86187
5835000000	0.523598776	-2.932153143	-18.42392164	-13.58368432	-16.7027359	-14.59862639	0.1198958	0.2093224	0.1461717	0.1862382	-9.608322
5835000000	0.523598776	-2.879793266	-17.69027507	-11.88775944	-16.83199607	-13.73431948	0.1304627	0.2544556	0.1440125	0.2057236	-8.698939
5835000000	0.523598776	-2.827433388	-15.40512991	-10.93000042	-15.24750756	-14.03922522	0.1697241	0.2841188	0.1728322	0.1986272	-7.688339
5835000000	0.523598776	-2.775073511	-12.84845816	-10.41964804	-13.32245468	-16.48550396	0.2278123	0.3013128	0.2157135	0.1498735	-9.686934
5835000000	0.523598776	-2.722713633	-11.89727394	-10.54825759	-12.00432622	-18.24045183	0.254177	0.2968842	0.2510636	0.1224552	-6.701709
5835000000	0.523598776	-2.670353756	-11.94929382	-11.24802427	-10.89705696	-14.16681184	0.2526593	0.2739043	0.2851985	0.1957309	-5.95576
5835000000	0.523598776	-2.617993878	-10.93706162	-11.44901535	-9.438765367	-12.28088916	0.2888879	0.2676389	0.3373353	0.2431955	-4.94323
5835000000	0.523598776	-2.565634	-9.098271244	-10.57941337	-7.882114758	-12.7613944	0.3508217	0.2958212	0.4035471	0.2301072	-3.874383
5835000000	0.523598776	-2.513274123	-7.566241855	-9.795136182	-6.679152191	-11.88857259	0.4184927	0.3237749	0.4634922	0.2544318	-2.732403
5835000000	0.523598776	-2.460914245	-6.392315728	-9.677269111	-5.95680391	-8.722829598	0.4790537	0.3281985	0.5036859	0.3663182	-1.528611
5835000000	0.523598776	-2.408554368	-5.670965581	-6.624251702	-5.706370268	-6.46057342	0.5205371	0.3302079	0.5184197	0.4753038	-0.703175
5835000000	0.523598776	-2.35619449	-5.589911905	-8.79740073	-5.862891615	-5.416525897	0.5254173	0.3631866	0.5091613	0.536011	-0.292475
5835000000	0.523598776	-2.30384613	-5.995135864	-7.574718615	-6.245508832	-5.020269448	0.501468	0.4180845	0.4873877	0.5610306	-0.140227
5835000000	0.523598776	-2.251474735	-6.358333207	-6.763808392	-6.692622058	-4.964750486	0.4809316	0.4589967	0.4627739	0.5646281	-0.143054
5835000000	0.523598776	-2.199114858	-6.495254968	-6.544018009	-7.28032681	-5.4594713	0.4734098	0.4707595	0.4324976	0.533674	-0.399777
5835000000	0.523598776	-2.14675498	-6.931169828	-6.551892062	-7.965554941	-6.768994175	0.4502373	0.4703329	0.3996891	0.5487228	-1.017168
5835000000	0.523598776	-2.094395102	-7.763206676	-6.279082695	-8.108955295	-8.571096096	0.4091096	0.4853398	0.3931445	0.3727736	-1.616515
5835000000	0.523598776	-2.042035225	-7.840075254	-5.649297836	-7.055619441	-9.35878361	0.405505	0.5128373	0.4438324	0.3404559	-1.352399
5835000000	0.523598776	-1.989675347	-6.651996838	-4.982539096	-5.318784655	-8.233569788	0.4649435	0.5634229	0.5420767	0.3875444	-0.18418
5835000000	0.523598776	-1.93731547	-5.612466779	-4.503504833	-3.731454368	-6.617140667	0.5240547	0.5954718	0.6507696	0.466813	0.9729498
5835000000	0.523598776	-1.884955592	-5.768170675	-4.218001731	-2.607323235	-5.48034034	0.5147442	0.6153184	0.7406856	0.5320896	1.9398892
5835000000	0.523598776	-1.832595715	-7.20349114	-4.011310031	-1.869839812	-4.923078022	0.4363404	0.6301363	0.8063211	0.5673435	1.7276969
5835000000	0.523598776	-1.780235837	-7.962739666	-3.770377797	-1.300198325	-4.686921069	0.3998186	0.6478599	0.8609741	0.5829804	1.9090816
5835000000	0.523598776	-1.72787596	-6.187856018	-3.487261665	-0.761758297	-4.502779058	0.4004641	0.6693248	0.916035	0.5954716	2.5138387
5835000000	0.523598776	-1.675516082	-4.438723365	-3.237742551	-0.271343249	-4.402504996	0.5998792	0.6888313	0.9692434	0.6023858	3.1077525
5835000000	0.523598776	-1.623156204	-3.729266553	-3.064149294	-0.15455188	-4.544999816	0.6509336	0.6207365	1.0132643	0.5925841	3.0438215
5835000000	0.523598776	-1.570796327	-3.470809607	-2.931806711	0.382040233	-4.688721283	0.6705938	0.7135258	1.0449656	0.5828596	3.5636402
5835000000	0.523598776	-1.518436449	-2.683906092	-2.797870399	0.35636236	-4.140649327	0.7341836	0.7246136	1.0636974	0.6208226	3.9271465
5835000000	0.523598776	-1.466076572	-1.421223614	-2.690169467	0.559811803	-2.898562461	0.8490609	0.7336544	1.066573	0.7162619	4.5205216
5835000000	0.523598776	-1.413716694	-0.570419644	-2.70457056	0.42001794	-1.809077854	0.936438	0.7324386	1.0495446	0.8119814	4.9358849
5835000000	0.523598776	-1.361356817	-0.436523198	-2.924353436	0.118324694	-1.344653131	0.9509854	0.7143381	1.0137158	0.8565788	4.9482164
5835000000	0.523598776	-1.308996939	-0.602980397	-3.311080205	-0.26987957	-1.256566033	0.9329341	0.6803099	0.9694067	0.86531	4.7375204
5835000000	0.523598776	-1.256637061	-0.354304685	-3.633557338	-0.607383556	-0.807962791	0.9600299	0.6581458	0.932464	0.9111751	4.7654679
5835000000	0.523598776	-1.204277184	-0.406355174	-3.598243645	-0.776874345	-1.014758314	1.047895	0.6608271	0.9144422	1.0170866	5.2020263
5835000000	0.523598776	-1.151917306	0.989393993	-3.206357693	-0.784778627	0.835236053	1.1206492	0.6913248	0.9136105	1.1009353	5.6354795
5835000000	0.523598776	-1.09557429	0.896355044	-2.777398363	-0.763096933	0.742625961	1.1087095	0.7263235	0.9158939	1.0892594	5.6664456
5835000000	0.523598776	-1.047197551	0.27836064	-2.525694695	-0.838834941	0.177921435	1.0325665	0.7476791	0.9079423	1.0206952	5.3642631
5835000000	0.523598776	-0.994837674	-0.164970786	-2.306867267							

5835000000	0.523598776	1.72787596	-2.768481591	-4.048487007	-5.302377777	-4.900548083	0.7270695	0.627445	0.5431016	0.568817	1.820787
5835000000	0.523598776	1.780235837	-2.698058387	-5.256771215	-5.531846189	-5.854942637	0.7329884	0.5459608	0.5289416	0.5096275	1.7298632
5835000000	0.523598776	1.832595715	-2.306524432	-6.866519141	-5.618793783	-5.429427707	0.7667853	0.4536017	0.5236732	0.5352154	1.1353343
5835000000	0.523598776	1.884955592	-2.106632	-8.730676576	-5.52421262	-4.432968008	0.7846363	0.3659874	0.5294066	0.6002769	1.1392673
5835000000	0.523598776	1.93731547	-2.39757913	-10.6160484	-5.380018161	-3.954691701	0.758789	0.2945761	0.5382687	0.6342572	0.9294781
5835000000	0.523598776	1.98675347	-3.182841484	-11.44300564	-5.55116955	-4.150603672	0.693199	0.2678241	0.5400627	0.6201115	0.5110216
5835000000	0.523598776	2.042035225	-4.439487528	-10.34917941	-5.552914874	-4.533201534	0.5998265	0.3037673	0.5276601	0.5933896	1.1063712
5835000000	0.523598776	2.094395102	-6.157130386	-8.857441658	-6.091157604	-4.577601956	0.4922021	0.3606849	0.4959548	0.590364	-0.268122
5835000000	0.523598776	2.14675498	-7.823998095	-8.069441402	-7.094648161	-4.321187378	0.4062563	0.3949371	0.4418426	0.6080519	-0.672059
5835000000	0.523598776	2.199114858	-8.251479635	-7.847685151	-8.667678999	-4.049392846	0.3867462	0.4051499	0.3686515	0.6237395	-0.973603
5835000000	0.523598776	2.251474735	-7.484269063	-7.606414265	-10.71914032	-3.925801011	0.4224609	0.4165747	0.2911005	0.6343704	-1.078295
5835000000	0.523598776	2.303834613	-6.705616328	-7.286045651	-12.57060924	-4.136415691	0.4620821	0.4322129	0.2352175	0.6211253	-1.156674
5835000000	0.523598776	2.35619449	-6.486978247	-7.37140176	-13.0012684	-4.9210461	0.4738611	0.4279863	0.2238394	0.5674763	-1.446624
5835000000	0.523598776	2.408554368	-6.978464272	-7.92878474	-11.89362627	-6.414374835	0.4477925	0.4013847	0.2542838	0.4778386	-2.040317
5835000000	0.523598776	2.460914245	-8.338259863	-8.600311281	-10.26547346	-8.236757645	0.3829014	0.3715219	0.3067089	0.3874022	-2.802023
5835000000	0.523598776	2.513274123	-10.66939304	-9.754908935	-9.06921161	-8.416584922	0.2927725	0.3252779	0.3519974	0.3794642	-3.417065
5835000000	0.523598776	2.565634	-13.11035289	-12.87572669	-8.997066367	-6.47533536	0.2210458	0.2270982	0.3549332	0.4744967	-3.892879
5835000000	0.523598776	2.617993878	-14.40486818	-10.43768015	-10.45024698	-5.216608172	0.1904393	0.09508059	0.3002532	0.5484911	-4.926275
5835000000	0.523598776	2.670353756	-15.96831925	-18.03606718	-12.94845329	-6.041999243	0.1590684	0.1253709	0.2252046	0.4987697	-5.947826
5835000000	0.523598776	2.722713633	-14.59524563	-13.3047241	-13.30309552	-9.294181147	0.1863107	0.2161543	0.2161947	0.3429975	-6.360195
5835000000	0.523598776	2.775073511	-10.55886057	-12.51063397	-11.67200397	-10.7328912	0.296522	0.2368472	0.2608554	0.29064	-5.313089
5835000000	0.523598776	2.827433388	-8.668812791	-13.62018288	-11.26315785	-7.872816998	0.3686034	0.2084447	0.2734274	0.4303793	-0.451499
5835000000	0.523598776	2.879793266	-8.631228585	-14.91800024	-12.70981858	-6.954506778	0.3702018	0.1795147	0.231492	0.4490293	-4.220819
5835000000	0.523598776	2.932153143	-9.264940925	-15.86407201	-16.13785314	-7.954956071	0.3441541	0.1608991	0.1559938	0.4001771	-5.503722
5835000000	0.523598776	2.984513021	-10.46260477	-17.82512084	-21.81354506	-8.908569556	0.2998263	0.1284529	0.0811564	0.3346351	-7.493023
5835000000	0.523598776	3.036872899	-13.6206541	-22.58987379	-26.1518183	-11.65672772	0.2084334	0.0742125	0.0492503	0.2613146	-10.55635
5835000000	0.523598776	3.089232776	-20.31339187	-29.31942172	-23.25372741	-16.36567826	0.0964563	0.0342002	0.0688991	0.1519554	-15.10182
5835000000	0.523598776	3.141592654	-21.91534306	-22.79367607	-20.12386043	-23.5577421	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.523598776	3.141592654	-21.91534331	-22.79366717	-20.12386004	-23.55774221	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.575958653	-3.089232776	-18.23980365	-19.67868383	-17.581144747	-22.82405354	0.1224644	0.1037686	0.1321211	0.0722433	-13.39396
5835000000	0.575958653	-3.036872899	-17.73293193	-18.32891405	-16.11540254	-20.98508878	0.1298235	0.1212144	0.1563975	0.0892782	-12.09848
5835000000	0.575958653	-2.984513021	-18.20926826	-16.10815767	-16.00617774	-17.23028746	0.1228957	0.156528	0.1583766	0.1375579	-10.82183
5835000000	0.575958653	-2.932153143	-17.85484596	-13.61591018	-16.9902836	-14.28737478	0.1280141	0.2085473	0.1412696	0.1930329	-9.487913
5835000000	0.575958653	-2.879793266	-17.02272633	-11.91274588	-17.38885089	-12.53916318	0.1408847	0.2537247	0.1350696	0.2360706	-8.338866
5835000000	0.575958653	-2.827433388	-14.82659249	-10.89265587	-15.3332226	-12.32732134	0.1814138	0.285343	0.171135	0.2418989	-7.133012
5835000000	0.575958653	-2.775073511	-12.39025603	-10.41058818	-12.9862847	-14.78872842	0.2401525	0.3016273	0.2242559	0.1822064	-6.48249
5835000000	0.575958653	-2.722713633	-11.7734875	-10.63708632	-11.65451619	-18.28516078	0.2578254	0.2938605	0.2613811	0.1218266	-6.605329
5835000000	0.575958653	-2.670353756	-12.88567934	-11.38269542	-10.82863269	-14.30842046	0.2268381	0.2669602	0.287454	0.1925657	-6.226277
5835000000	0.575958653	-2.617993878	-13.33175565	-11.47128708	-9.567048699	-11.97595026	0.2154826	0.2669355	0.3323897	0.2518851	-5.459665
5835000000	0.575958653	-2.565634	-11.6110599	-10.47639769	-7.950598512	-12.45182363	0.2626921	0.2993506	0.4003779	0.2384563	-4.43063
5835000000	0.575958653	-2.513274123	-9.451968295	-9.644731621	-6.637716927	-12.72566665	0.3368229	0.3294302	0.4657085	0.2310557	-3.330573
5835000000	0.575958653	-2.460914245	-7.567577983	-9.495579977	-8.567754474	-9.98347809	0.4184283	0.3351359	0.5088764	0.31682	-2.051524
5835000000	0.575958653	-2.408554368	-6.383208769	-9.442133795	-5.99948891	-7.376017788	0.4795563	0.3372045	0.5248105	0.4277199	-1.064422
5835000000	0.575958653	-2.35619449	-6.219715359	-8.70586797	-5.72115637	-9.930355508	0.4886684	0.3670343	0.5175379	0.505222	-0.545449
5835000000	0.575958653	-2.303834613	-7.099962356	-7.600521363	-6.089827241	-5.275814956	0.4415724	0.4168444	0.4960308	0.5447651	-0.449128
5835000000	0.575958653	-2.251474735	-8.651680584	-6.872836891	-6.666002719	-5.142414187	0.3693312	0.4532712	0.4641942	0.5531963	-0.724277
5835000000	0.575958653	-2.199114858	-10.07784094	-6.730963282	-7.565082132	-5.523684974	0.3134065	0.4607357	0.4185486	0.5294388	-1.299284
5835000000	0.575958653	-2.14675498	-11.16690554	-6.89135425	-8.651508824	-6.360812905	0.2764743	0.4523059	0.3693385	0.4807943	-2.053436
5835000000	0.575958653	-2.094395102	-12.50629511	-6.8895976	-8.950498324	-7.267017564	0.2369656	0.4523974	0.3568413	0.4331608	-2.619093
5835000000	0.575958653	-2.042035225	-12.67456507	-6.540375848	-7.662767233	-7.696789237	0.2324191	0.4975969	0.4138678	0.4122499	-2.329646
5835000000	0.575958653	-1.98675347	-9.924767299	-6.025726125	-5.70311045	-7.469256642	0.3189787	0.499705	0.5186143	0.4231917	-1.10793
5835000000	0.575958653	-1.93731547	-7.226230872	-5.534268326	-4.00545574	-6.89818961	0.4351596	0.5287941	0.6305546	0.4519501	-0.1996283
5835000000	0.575958653	-1.884955592	-6.031968056	-5.107632739	-2.804605241	-4.668437219	0.499346	0.555416	0.724052	0.4748737	1.037247
5835000000	0.575958653	-1.832595715	-6.272930675	-4.705468896	-1.999066785	-6.452297142	0.4856836	0.5817368	0.7944136	0.475757	1.3547706
5835000000	0.575958653	-1.780235837	-6.868999041	-4.287326872	-1.38869952	-6.676706738	0.4534716	0.6104269	0.8522461	0.4636227	1.5100896
5835000000	0.575958653	-1.728757956	-6.115719728	-3.861542888	-0.845864244	-6.69344344	0.4545543	0.6410957	0.9072055	0.4627302	1.9575854
5835000000	0.575958653	-1.675516082	-4.626413998	-3.469848722	-0.369198474	-6.40600751	0.5870557	0.670652	0.9583851	0.4782992	2.5886851
5835000000	0.575958653	-1.623156204	-3.677083309	-3.131720573	0.005039112	-6.03937028	0.654856	0.6972909	1.0005803	0.4989207	3.081318
5835000000	0.575958653	-1.570796327	-3.272442475	-2.825931882	0.269903644	-5.363147661	0.6860849	0.7222764	1.0315616	0.5393151	3.4615043
5835000000	0.575958653	-1.518436449	-2.683768333	-2.533602161	-3.92705426	-3.92705426	0.7341953	0.7469988	1.0505399	0.6362786	3.9951378
5835000000	0.575958653	-1.466076572	-1.603333826	-2.290127982	0.458739523	-2.149381212	0.8314446	0.7682341	1.0542339	0.7807841	4.6971679
5835000000	0.575958653	-1.413716694	-0.664542955	-2.183285814	0.525895627	-0.794286409	0.9263452	0.7777423	1.0382329	0.912611	5.2369845
5835000000	0.575958653	-1.361356817	-0.28720551	-2.284636032	0.028153608	-1.34951561	0.9674749	0.76872	1.0032466	0.9845832	5.3996512
5835000000	0.575958653	-1.308996939	-0.232336516	-2.557908497	0.068391526	-1.0790409	0.9736058	0.7449113	0.9594465	1.0709409	5.3101972
5835000000	0.575958653	-1.256637061	0.081533899	-2.816170716	-0.695304192	0.373812855	1.0094311	0.7230885	0.9230703	1.0439763	5.3424163
5835000000	0.575958653	-1.204277184	0.828566608	-2.831843012	-0.855224287	0.97752804	1.1000903	0.721785	0.9062309	1.1191193	5.682353
5835000000	0.575958653	-1.151917306	1.441037236	-2.577667261	-0.838828955	1.349245562	1.1804616	0.7432187	0.9079429	1.1680523	6.0198953
5835000000	0.575958653	-1.099557429	1.389960862	-2.256428191	-0.768903907						

5835000000	0.575958653	1.623156204	-1.928720556	-3.723411661	-5.011468865	-2.180515164	0.8008736	0.6513725	0.5615993	0.7779904	2.8971975
5835000000	0.575958653	1.675516082	-2.19875224	-3.58194983	-5.746299954	-3.094680092	0.7763586	0.6620679	0.5160419	0.7002708	2.4598374
5835000000	0.575958653	1.72787596	-2.888734772	-3.987573047	-6.472161594	-6.415392246	0.7170728	0.6318607	0.4746701	0.5878011	1.6248024
5835000000	0.575958653	1.780235837	-3.250553159	-4.938026371	-7.170775447	-5.897345026	0.6878161	0.566368	0.437987	0.5017457	0.8251559
5835000000	0.575958653	1.832595715	-2.929583251	-6.338731961	-7.580344289	-5.809727485	0.7137084	0.4802381	0.4178138	0.5122873	0.5300432
5835000000	0.575958653	1.884955592	-2.577072788	-8.12192888	-4.712298284	-4.907417333	0.7432696	0.3925578	0.4230923	0.5683674	0.5359217
5835000000	0.575958653	1.93731547	-2.662187942	-9.983730245	-6.971225732	-4.32069887	0.7360217	0.6168207	0.4481658	0.6003389	0.4293558
5835000000	0.575958653	1.989675347	-3.091595152	-10.50817802	-6.430110125	-4.639051643	0.7005195	0.2982573	0.4769738	0.5862022	0.2649743
5835000000	0.575958653	2.042035225	-3.739002433	-9.083608022	-6.153196846	-5.006861692	0.6502044	0.3514144	0.4924251	0.5618972	0.2396135
5835000000	0.575958653	2.094395102	-4.827329459	-7.7671061404	-6.104923627	-4.964114107	0.5736322	0.4134728	0.4818962	0.5646695	0.1450126
5835000000	0.575958653	2.14675498	-6.568224634	-7.386748289	-7.340474938	-4.634038471	0.4694494	0.4272308	0.441343	0.5865406	-0.333954
5835000000	0.575958653	2.199114858	-8.325205991	-8.244071238	-8.468751826	-4.408295605	0.3834773	0.3870762	0.3771919	0.6019844	-1.16118
5835000000	0.575958653	2.251474735	-8.500667134	-9.363568955	-10.30742227	-4.412317852	0.3758085	0.3402683	0.3052312	0.6017057	-1.814156
5835000000	0.575958653	2.303834613	-7.533778679	-9.608910877	-12.12305405	-4.638285253	0.4200597	0.3307916	0.2476551	0.5862539	-2.021328
5835000000	0.575958653	2.35619449	-6.970786008	-9.652256385	-12.99255142	-5.16902038	0.4481885	0.3291449	0.2240642	0.5515044	-2.197719
5835000000	0.575958653	2.408554368	-7.187902155	-10.37525099	-12.4146763	-6.237385736	0.4371242	0.3028569	0.2394783	0.4876752	-2.6912
5835000000	0.575958653	2.460914245	-8.144967776	-11.31836817	-12.94422378	-7.887986616	0.3915179	0.271695	0.2836539	0.4032744	-3.413016
5835000000	0.575958653	2.513274123	-9.878309609	-12.25052753	-9.690440237	-8.51011199	0.3206893	0.2440471	0.3277012	0.3754001	-3.959327
5835000000	0.575958653	2.565634	-12.01977073	-14.44145128	-9.65023851	-6.72406116	0.2506175	0.1896389	0.3325438	0.4611019	-4.194986
5835000000	0.575958653	2.617993878	-14.06155871	-17.68671518	-10.99678338	-5.413272554	0.1981171	0.1305161	0.2819427	0.5362118	-4.830939
5835000000	0.575958653	2.670353756	-17.66799757	-16.02968926	-13.29752946	-6.33105056	0.1307977	0.1579485	0.2163334	0.4824446	-6.129645
5835000000	0.575958653	2.722713633	-17.00708807	-13.91382299	-13.22524521	-9.855134522	0.1411385	0.2015157	0.2181413	0.3215461	-7.107865
5835000000	0.575958653	2.775073511	-11.02649938	-14.33328668	-11.61959159	-10.86538523	0.2809798	0.1920152	0.2624342	0.2862403	-5.834392
5835000000	0.575958653	2.827433388	-8.463682747	-15.89689666	-11.34272944	-7.741568532	0.3774121	0.1603881	0.270934	0.41013	-4.301538
5835000000	0.575958653	2.879793266	-8.154106162	-15.87357558	-12.85111269	-6.919231635	0.3911062	0.160813	0.2277426	0.4508566	-4.218838
5835000000	0.575958653	2.923153143	-8.7935505	-15.55465099	-16.22767676	-8.008733586	0.3633477	0.1668274	0.1543889	0.3977071	-5.333878
5835000000	0.575958653	2.984513021	-10.10450552	-17.21635962	-21.73284562	-9.57255315	0.3124458	0.1377787	0.081914	0.3321791	-7.287133
5835000000	0.575958653	3.036872899	-13.30468806	-22.2111288	-26.22224884	-11.71974489	0.2161552	0.0735253	0.0488526	0.2594252	-10.42927
5835000000	0.575958653	3.089232776	-20.065504	-29.87128599	-23.34186146	-16.42617148	0.0992487	0.0320999	0.0680623	0.1509008	-15.13163
5835000000	0.575958653	3.141592654	-21.91534331	-22.7936717	-20.12386004	-23.55774221	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.628318531	-3.141592654	-21.91534332	-22.7936702	-20.12385995	-23.5577419	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.628318531	-3.089232776	-18.10152405	-19.4353328	-17.55860412	-22.95948584	0.1244296	0.1067169	0.1324555	0.0711256	-13.25626
5835000000	0.628318531	-3.036872899	-17.59540674	-17.95889413	-16.10065121	-21.15292493	0.1318954	0.1279998	0.1566634	0.0875697	-11.97081
5835000000	0.628318531	-2.984513021	-17.77452975	-15.82764214	-16.07538798	-17.47379602	0.1292033	0.1616657	0.1571108	0.1373551	-10.7621
5835000000	0.628318531	-2.932153143	-16.84424884	-13.57554864	-17.3436285	-13.9746277	0.1438095	0.2095186	0.1357746	0.2010099	-9.253536
5835000000	0.628318531	-2.879793266	-15.87024767	-11.91488987	-17.85067502	-11.5379943	0.1608747	0.2536621	0.1280756	0.2649127	-8.777481
5835000000	0.628318531	-2.827433388	-14.8907719	-10.8655227	-15.2082114	-10.89010074	0.1952298	0.2862357	0.1727663	0.2854269	-6.561197
5835000000	0.628318531	-2.775073511	-12.31173298	-10.40261915	-12.64021439	-12.79843216	0.2423334	0.3019041	0.23334	0.2291281	-5.962549
5835000000	0.628318531	-2.722713633	-12.24408879	-10.71043671	-11.40561271	-15.90049291	0.2442281	0.2913924	0.2689796	0.1603154	-6.330814
5835000000	0.628318531	-2.670353756	-14.56509134	-11.54849638	-10.90732853	-13.48658708	0.1869586	0.2645911	0.2848614	0.2116755	-6.48364
5835000000	0.628318531	-2.617993878	-17.35252924	-11.60524798	-9.831517506	-11.31688353	0.1356356	0.2628679	0.3224216	0.2717414	-0.684533
5835000000	0.628318531	-2.565634	-15.855242	-10.43325104	-8.087464906	-11.77470033	0.1611528	0.3008413	0.3941184	0.2577894	-5.083661
5835000000	0.628318531	-2.513274123	-12.66880384	-9.402214071	-6.62479554	-13.37290099	0.2325733	0.3387578	0.4664018	0.2144643	-4.067146
5835000000	0.628318531	-2.460914245	-9.911465733	-9.047597769	-5.810785963	-12.26372779	0.3194675	0.3528744	0.5122249	0.2436765	-2.924556
5835000000	0.628318531	-2.408554368	-8.225933692	-8.865605607	-5.561466336	-9.61696745	0.3878853	0.360346	0.5271409	0.3304849	-1.906462
5835000000	0.628318531	-2.35619449	-7.848213426	-8.210950303	-5.700241954	-7.802354349	0.4051253	0.388555	0.5187856	0.4702699	-1.311366
5835000000	0.628318531	-2.303834613	-8.770635146	-7.279014395	-6.099517432	-6.801774976	0.3643076	0.4325629	0.4954777	0.4569948	-1.1631
5835000000	0.628318531	-2.251474735	-10.92984708	-6.658432288	-6.785413369	-6.332849315	0.2841238	0.4645991	0.4578564	0.4823447	-1.468397
5835000000	0.628318531	-2.199114858	-13.86161663	-6.53459118	-7.882293691	-6.207871225	0.2027305	0.4712707	0.4035388	0.4893352	-2.119912
5835000000	0.628318531	-2.14675498	-15.23413516	-6.673415512	-7.32509519	-6.206528519	0.1730985	0.4637984	0.3494415	0.4894108	-2.640349
5835000000	0.628318531	-2.094395102	-14.34746159	-6.716754478	-9.297321761	-6.195611994	0.1917021	0.46149	0.3428735	0.4902063	-2.579687
5835000000	0.628318531	-2.042035225	-13.3452454	-6.538873354	-7.744434202	-6.276308112	0.2151482	0.4710384	0.4099947	0.4854948	-2.038248
5835000000	0.628318531	-1.989675347	-11.37380871	-6.24668958	-7.277889923	-6.575327141	0.2699663	0.40871532	0.5171369	0.4690657	-1.193048
5835000000	0.628318531	-1.93731547	-8.615523477	-5.917402565	-4.095508298	-7.098339026	0.3708718	0.5059759	0.6240575	0.4416549	-0.253111
5835000000	0.628318531	-1.884955592	-6.695301284	-5.547557924	-2.985138627	-7.890288267	0.4626312	0.5279856	0.7091581	0.4031676	-0.945981
5835000000	0.628318531	-1.832595715	-6.030113424	-5.148014166	-2.78017038	-9.004776372	0.4994527	0.5528398	0.7693061	0.3546183	0.7334434
5835000000	0.628318531	-1.780235837	-6.143133278	-4.77110907	-1.775890293	-9.840051841	0.4929959	0.5773571	0.8150899	0.322105	0.8576028
5835000000	0.628318531	-1.72787596	-6.002117745	-4.459924254	-1.331334426	-9.217975563	0.5010651	0.5984168	0.8578933	0.34602	1.2267692
5835000000	0.628318531	-1.675516082	-5.162665887	-4.202942924	-0.916399411	-7.64913506	0.551908	0.6163861	0.8998705	0.4145179	1.8778239
5835000000	0.628318531	-1.623156204	-4.3092321	-3.939430911	-0.566431581	-6.142748355	0.6088894	0.6353726	0.93687	0.4930178	2.5231144
5835000000	0.628318531	-1.570796327	-3.836242761	-3.604160749	-0.309638629	-4.604040169	0.6429658	0.660377	0.9647995	0.5885698	3.0972769
5835000000	0.628318531	-1.518436449	-3.34651147	-3.176328286	-0.164238528	-2.771045671	0.6802592	0.693719	0.981269	0.7268549	3.7563404
5835000000	0.628318531	-1.466076572	-2.412329466	-2.711980378	-0.156515967	-0.989080853	0.7575016	0.7318145	0.9821418	0.892372	4.5160805
5835000000	0.628318531	-1.413716694	-1.396368919	-2.355026066	-0.310764258	-0.246814576	0.8514939	0.7642733	0.9648544	1.0288232	5.1282082
5835000000	0.628318531	-1.361356817	-0.743770542	-2.161458347	-0.613307608	0.759330916	0.917934	0.7796929	0.9318256	1.0913563	5.3921616
5835000000	0.628318531	-1.308996939	-0.364167898	-2.197806106	-0.9881152783	0.743895103	0.9589404	0.7764432	0.8931869	1.0894185	5.3855622
5835000000	0.628318531	-1.256637061	0.163649398	-2.299630867	-1.272768889	0.714498738	1.0190194	0.7673941	0.8636973	1.0857377	5.4271854
5835000000	0.628318531	-1.204277184	0.984300259	-2.271442506	-1.3692702						

5835000000	0.628318531	1.518436449	-1.653180044	-2.245539723	-2.51751709	-2.404578422	0.8266868	0.7721879	0.7483834	0.7581778	3.8218516
5835000000	0.628318531	1.570796327	-1.633956316	-2.682536517	-3.490942101	-1.978482851	0.8285185	0.7342994	0.6690412	0.7962984	3.6026994
5835000000	0.628318531	1.623156204	-1.345913812	-2.926291203	-4.348171442	-2.039364014	0.8564545	0.713979	0.6061696	0.7907365	3.4267452
5835000000	0.628318531	1.675516082	-1.556160038	-3.312681209	-5.199905	-2.89484558	0.8359725	0.6829139	0.5495469	0.7165685	2.8759097
5835000000	0.628318531	1.72787596	-2.434510002	-4.123247557	-6.162037706	-4.399284286	0.7555696	0.6220677	0.4919241	0.6026092	1.840699
5835000000	0.628318531	1.780235837	-3.364628011	-5.423904818	-7.138787605	-5.728353186	0.6788418	0.5355555	0.439603	0.5171093	0.7130364
5835000000	0.628318531	1.832595715	-3.569263113	-7.125411259	-7.770959808	-5.72451405	0.6630356	0.4402805	0.4087446	0.5173379	0.1267471
5835000000	0.628318531	1.884955592	-3.348214018	-9.104952949	-7.76997626	-4.864691753	0.6801259	0.3505519	0.4087909	0.57117	0.0460808
5835000000	0.628318531	1.93731547	-3.302358583	-10.72207416	-7.337703108	-4.42127179	0.683726	0.2910022	0.42965	0.6010857	0.0236972
5835000000	0.628318531	1.989675347	-3.410515105	-11.101159235	-6.930638638	-4.689056193	0.675265	0.312191	0.4502649	0.5828371	0.0888265
5835000000	0.628318531	2.042035225	-3.530594907	-7.863920095	-6.887945465	-5.107625526	0.6659939	0.4043933	0.4524835	0.5545164	0.3335112
5835000000	0.628318531	2.094395102	-4.008389694	-6.197506598	-7.367230714	-5.045959199	0.6303482	0.4899194	0.4281919	0.5593737	0.4561251
5835000000	0.628318531	2.14675498	-5.362755854	-5.840837118	-8.354152452	-4.710310484	0.5393395	0.5104558	0.3822015	0.5814126	0.058042
5835000000	0.628318531	2.199114858	-7.604849078	-6.880142557	-9.665270799	-4.603504051	0.4166367	0.4528901	0.3286521	0.5886062	-0.979153
5835000000	0.628318531	2.251474735	-9.191291866	-8.952678565	-10.96829253	-4.808917649	0.3470846	0.3567517	0.282869	0.5748494	-2.149455
5835000000	0.628318531	2.303834613	-8.591034058	-10.83296063	-11.86116572	-5.071979638	0.3719189	0.2873108	0.2552359	0.5577005	-2.661464
5835000000	0.628318531	2.35619449	-7.683449508	-12.03795643	-12.16076385	-5.298847658	0.4128835	0.2500934	0.2465822	0.5433224	-2.775996
5835000000	0.628318531	2.408554368	-7.548028118	-13.9988177	-11.91670977	-5.938245887	0.4193712	0.1995304	0.2536089	0.5047632	-3.240195
5835000000	0.628318531	2.460914245	-8.109473353	-16.29449344	-11.0985862	-7.432365716	0.3931211	0.1532058	0.2786575	0.4249929	-4.082557
5835000000	0.628318531	2.513274123	-9.219852661	-16.10457309	-10.18279899	-8.492562381	0.3459452	0.1565926	0.3096421	0.3761594	-4.52179
5835000000	0.628318531	2.565634	-10.57239897	-15.50632355	-10.10218229	-6.990534446	0.2960602	0.1677582	0.3125294	0.4471706	-4.268389
5835000000	0.628318531	2.617993878	-12.16905969	-15.25054287	-11.35471132	-5.688791807	0.2463469	0.1727718	0.2705605	0.5194699	-4.371003
5835000000	0.628318531	2.670353756	-15.98311845	-14.31411897	-13.08741739	-6.698345109	0.1587977	0.1924394	0.2216303	0.4624691	-5.718969
5835000000	0.628318531	2.722713633	-19.35059129	-14.29145069	-12.77955749	-10.35581815	0.1077632	0.1929423	0.2296261	0.3035352	-7.598666
5835000000	0.628318531	2.775073511	-11.82821936	-16.56928415	-11.54258962	-10.77047347	0.2562058	0.1484348	0.264768	0.2893762	-6.386176
5835000000	0.628318531	2.827433388	-8.523179336	-18.75025281	-11.51538128	-7.609298381	0.3748358	0.1154748	0.2656018	0.4164234	-4.639556
5835000000	0.628318531	2.879793266	-7.8772580881	-16.30924715	-13.07118484	-6.930318781	0.4039903	0.1529458	0.2220449	0.4502815	-4.227707
5835000000	0.628318531	2.923153143	-8.430292349	-15.04442724	-16.26997396	-8.086193753	0.3788658	0.1769207	0.1536389	0.3941761	-5.164534
5835000000	0.628318531	2.984513021	-9.80138756	-16.63224309	-21.32795674	-9.26219154	0.323542	0.1473628	0.0858227	0.3301331	-7.063493
5835000000	0.628318531	3.036872899	-13.03011668	-21.86723057	-25.82126097	-11.77675247	0.2230972	0.0806653	0.0511608	0.2577285	-10.27645
5835000000	0.628318531	3.089232776	-19.83678543	-30.45989119	-23.39044337	-16.49319955	0.1018968	0.029992	0.0676157	0.1497408	-15.15799
5835000000	0.628318531	3.141592654	-21.91534332	-22.79366702	-20.12385995	-23.5577419	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.680678408	-3.141592654	-21.91534343	-22.79366705	-20.1238603	-23.55774196	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.680678408	-3.089232776	-17.97006316	-19.20486195	-17.54678946	-23.09408562	0.1263272	0.1095862	0.1326357	0.0700319	-13.1796
5835000000	0.680678408	-3.036872899	-17.43820936	-17.40207949	-16.12116584	-21.31673069	0.1343042	0.134864	0.1562938	0.0859337	-11.84546
5835000000	0.680678408	-2.984513021	-17.24026942	-15.47944128	-16.20244551	-17.72860725	0.1373999	0.1682782	0.1548381	0.1298882	-10.59761
5835000000	0.680678408	-2.932153143	-15.7686932	-13.4488224	-17.70861696	-13.70335291	0.1627666	0.2125979	0.1301875	0.2064583	-8.970875
5835000000	0.680678408	-2.879793266	-14.70207212	-11.87077036	-18.1526595	-10.74435564	0.1840333	0.2549538	0.1236992	0.2902567	-7.4022
5835000000	0.680678408	-2.827433388	-13.64686948	-10.82777614	-15.06417298	-9.766507504	0.2078053	0.2874828	0.176519	0.3248438	-6.049739
5835000000	0.680678408	-2.775073511	-12.61297105	-10.38299087	-12.3617568	-11.19583725	0.2340731	0.3025871	0.2409441	0.2755549	-5.57072
5835000000	0.680678408	-2.722713633	-13.4058876	-15.70480467	-11.29061162	-13.82450387	0.2136513	0.2899077	0.2725646	0.2035986	-6.198541
5835000000	0.680678408	-2.670353756	-17.43199266	-11.72019228	-11.11592027	-12.62815871	0.1344003	0.2594122	0.2781019	0.2336641	-6.882077
5835000000	0.680678408	-2.617993878	-24.37207729	-11.83583326	-10.17324929	-10.72955849	0.06045	0.2559814	0.3099828	0.2907509	-6.77165
5835000000	0.680678408	-2.565634	-21.13468352	-10.47287114	-8.235491876	-10.97581505	0.0877538	0.2994722	0.3874587	0.2826421	-5.536663
5835000000	0.680678408	-2.513274123	-16.77639843	-9.154236492	-6.7607277594	-13.0508611	0.1449373	0.3485685	0.4673434	0.222565	-4.557864
5835000000	0.680678408	-2.460914245	-13.54177361	-8.501426934	-5.761071334	-14.7767132	0.2103349	0.3757757	0.5151651	0.1824586	-3.851097
5835000000	0.680678408	-2.408543648	-11.60754986	-8.112379332	-5.555062181	-13.42653638	0.2627983	0.3929896	0.5275296	0.2131434	-3.120025
5835000000	0.680678408	-2.35619449	-10.76104583	-7.484018872	-5.605801292	-11.23891072	0.2896995	0.4224471	0.5167089	0.2741918	-2.480997
5835000000	0.680678408	-2.303834613	-10.29289202	-6.725599901	-6.166244694	-9.523878774	0.3057422	0.4610203	0.4916859	0.3340458	-1.979043
5835000000	0.680678408	-2.251474735	-10.04037225	-6.260231407	-6.93252905	-8.261768906	0.3147613	0.4863942	0.4501669	0.3862883	-1.736862
5835000000	0.680678408	-2.199114858	-10.46617747	-6.213204629	-8.166590239	-7.266210354	0.299703	0.4890348	0.3905445	0.443201	-1.870695
5835000000	0.680678408	-2.14675498	-11.23802706	-6.334168672	-9.458184304	-6.414480884	0.2742197	0.4822715	0.3365814	0.4778328	-2.0976
5835000000	0.680678408	-2.094395102	-11.28638187	-6.289475045	-9.346014449	-5.830227385	0.2726973	0.4847594	0.3409567	0.5110797	-1.886817
5835000000	0.680678408	-2.042035225	-11.10974696	-6.030173789	-7.553840763	-5.728821761	0.2782996	0.4994492	0.4190905	0.5170814	-1.340785
5835000000	0.680678408	-1.989675347	-11.19309902	-5.710713052	-5.559700457	-6.192980162	0.2756418	0.5181066	0.527248	0.4901748	-0.861151
5835000000	0.680678408	-1.93731547	-10.33168655	-5.388217669	-4.066078336	-7.163634639	0.3043797	0.5377608	0.6261755	0.4383472	-0.41512
5835000000	0.680678408	-1.884955592	-8.534596743	-5.017214053	-3.124277176	-8.506453782	0.3743434	0.5611228	0.6978887	0.3755583	0.0390777
5835000000	0.680678408	-1.832595715	-7.152582458	-4.610251498	-2.578773611	-9.726729461	0.4839054	0.5881491	0.7431241	0.3263349	0.4093529
5835000000	0.680678408	-1.780235837	-6.592400671	-4.282340336	-2.198476615	-9.392662761	0.4681445	0.6107774	0.7763833	0.3391303	0.8085875
5835000000	0.680678408	-1.72787596	-6.490620034	-4.140929517	-1.805904763	-7.412795995	0.4736625	0.6280026	0.8122781	0.4259515	1.336584
5835000000	0.680678408	-1.675516082	-6.260142902	-4.172202936	-3.172725505	-5.489502118	0.4863992	0.6185714	0.8538149	0.5315265	1.9044754
5835000000	0.680678408	-1.623156204	-5.796884989	-4.224387932	-0.963651479	-4.163223135	0.5130453	0.6184662	0.8949884	0.6192113	2.418422
5835000000	0.680678408	-1.570796327	-5.388066433	-4.100815951	-0.64174355	-3.048505518	0.5377701	0.6236762	0.9287799	0.7040033	2.906462
5835000000	0.680678408	-1.518436449	-4.946357759	-3.70224633	-0.452394892	-1.712783068	0.565825	0.6529617	0.9492492	0.8210334	3.4901198
5835000000	0.680678408	-1.466076572	-4.124638017	-3.101907191	-0.435937497	-0.310537278	0.6219681	0.6996884	0.9510495	0.9648796	4.1838252
5835000000	0.680678408	-1.413716694	-3.058965708	-2.500581294	-0.61020774	0.677083112	0.703156	0.749844	0.9321582	0.1081708	4.7765453
5835000000	0.680678408	-1.361356817	-2.13406263	-2.09520061	-0.935215668	0.986629147	0.7821623	0.7856696	0.8979232	1.1202962	5.0717214
5835000000	0.680678408	-1.308996939	-1.367830449	-1.946040795							

5835000000	0.680678408	1.413716694	0.608528521	0.066810603	-0.463005621	-2.230519958	1.0725719	1.0077215	0.9480903	0.7735244	5.5794325
5835000000	0.680678408	1.466076572	-0.292488886	-0.211811655	-1.246606519	-2.644635603	0.9668866	0.9759092	0.8663027	0.7375105	4.9756665
5835000000	0.680678408	1.518436449	-1.053324022	-0.649688826	-2.180588277	-2.45698794	0.8857962	0.9279307	0.7779839	0.7536169	4.4681732
5835000000	0.680678408	1.570796327	-1.163323323	-1.121843704	-3.082453651	-2.027448375	0.8746491	0.8788366	0.7012572	0.7198122	4.20788
5835000000	0.680678408	1.623156204	-0.964592347	-1.690463258	-3.90953353	-2.014816669	0.8948915	0.8231459	0.6375632	0.7929744	3.941681
5835000000	0.680678408	1.675516082	-1.159406906	-2.585045689	-4.764968008	-2.775803948	0.8750435	0.7425876	0.5777655	0.7264568	3.2925687
5835000000	0.680678408	1.72787596	-2.011827575	-4.032751448	-5.703786894	-4.149943338	0.7932473	0.6285827	0.5185739	0.6201587	2.1461081
5835000000	0.680678408	1.780235837	-3.119053343	-6.102531812	-6.550066696	-5.271141447	0.6983085	0.4953058	0.4704323	0.5450583	0.8637269
5835000000	0.680678408	1.832595715	-3.775989106	-8.687011175	-9.663408676	-5.116931735	0.6474415	0.3678319	0.4485693	0.5548217	0.0806828
5835000000	0.680678408	1.884955592	-3.925262034	-11.70520251	-6.870841782	-4.274132518	0.6364099	0.2598603	0.4533754	0.6113549	-0.171047
5835000000	0.680678408	1.93731547	-3.982918048	-14.19731735	-6.63424412	-3.915065127	0.6321994	0.1950447	0.4658947	0.6317574	-0.308121
5835000000	0.680678408	1.989675347	-3.942724005	-12.21540047	-6.76740543	-4.29039482	0.6351317	0.245036	0.4635854	0.6102113	-0.202267
5835000000	0.680678408	2.042035225	-3.685578964	-8.55406667	-7.278070432	-4.797120442	0.6542158	0.3735052	0.4326099	0.5756307	0.1547922
5835000000	0.680678408	2.094395102	-3.681962941	-6.226252096	-8.541073892	-4.763021371	0.6544882	0.4883008	0.3740643	0.577895	0.4020372
5835000000	0.680678408	2.14675498	-4.599605216	-5.421575246	-10.23226792	-4.48345582	0.5888704	0.5356995	0.3078836	0.5967978	0.1261169
5835000000	0.680678408	2.199114858	-6.741750507	-6.009861099	-11.54950962	-4.54893416	0.4601638	0.5006186	0.2645602	0.5923158	-0.830355
5835000000	0.680678408	2.251474735	-9.358196491	-7.656396665	-11.78180181	-4.982506492	0.3404789	0.4141715	0.2575787	0.563475	-2.071107
5835000000	0.680678408	2.303816213	-9.870862132	-9.571816417	-11.35054648	-5.261596025	0.3209644	0.3322073	0.2706903	0.5456576	-6.277092
5835000000	0.680678408	2.35619449	-8.732544629	-11.44508769	-10.98839171	-5.177642451	0.3659087	0.2677599	0.2822152	0.5509572	-2.692938
5835000000	0.680678408	2.408545368	-8.081771104	-14.69564555	-10.93404686	-5.065093082	0.3943769	0.1841395	0.2843463	0.5304598	-1.33938
5835000000	0.680678408	2.460914245	-8.203390664	-20.6926343	-10.80220302	-6.597534753	0.3888933	0.0923354	0.2882631	0.4479534	-4.311612
5835000000	0.680678408	2.513274123	-8.814025198	-19.00340458	-10.42331992	-6.470443254	0.3624923	0.1121579	0.3011855	0.3771185	-4.78436
5835000000	0.680678408	2.565634	-9.458477131	-15.12144291	-10.40311596	-7.259978131	0.3365706	0.1753589	0.3018869	0.433512	-1.00984
5835000000	0.680678408	2.617993878	-10.30859498	-13.55871667	-11.24406119	-5.982043577	0.30519	0.209925	0.2740293	0.5022244	-3.799595
5835000000	0.680678408	2.670353756	-13.07683625	-13.22733004	-12.2243855	-7.064998355	0.2219005	0.1280898	0.2447812	0.4433534	-4.973463
5835000000	0.680678408	2.722713633	-18.6706857	-14.59164814	-11.99248157	-10.6772736	0.1165375	0.1863878	0.2514062	0.292507	-7.464587
5835000000	0.680678408	2.775073511	-12.91347025	-19.0645321	-11.39854286	-10.50000456	0.2261135	0.1113713	0.2691974	0.2985381	-6.885514
5835000000	0.680678408	2.827433388	-8.849013057	-21.06359631	-11.74873369	-7.502605319	0.361035	0.0888479	0.2586162	0.42157	-4.96179
5835000000	0.680678408	2.879793266	-7.787895112	-15.90351149	-13.34401886	-6.99212536	0.4079484	0.1602597	0.2151786	0.4470887	-4.219141
5835000000	0.680678408	2.932153143	-8.185103651	-14.37984217	-16.24775409	-8.181376098	0.3897129	0.1909888	0.1540325	0.3898802	-5.000527
5835000000	0.680678408	2.984513021	-9.560394693	-16.08295056	-20.69815281	-9.664645218	0.3326444	0.1569829	0.0922768	0.3286758	-6.834238
5835000000	0.680678408	3.036872899	-12.79811671	-21.5655749	-25.09204339	-11.8269474	0.2291364	0.0835067	0.0556414	0.256244	-10.10955
5835000000	0.680678408	3.089232776	-19.62945415	-31.09123765	-23.40674975	-16.56645932	0.1043584	0.0278893	0.0675558	0.1484831	-15.18186
5835000000	0.680678408	3.141592654	-21.91534343	-22.79366705	-20.1238603	-23.55774196	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.733038286	-1.51192564	-21.91534331	-22.79366709	-20.12386019	-23.55774184	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.733038286	-3.089232776	-17.84615868	-18.98875272	-17.54578335	-23.22653455	0.1281422	0.1123472	0.1326511	0.0609721	-13.10994
5835000000	0.733038286	-3.036872899	-17.27581491	-16.96386525	-16.17655067	-21.46632733	0.1368388	0.1418426	0.1553004	0.0844663	-11.72649
5835000000	0.733038286	-2.984513021	-16.7062738	-15.08263385	-16.38053305	-17.99863904	0.1461121	0.1761442	0.1516957	0.1259123	-10.45954
5835000000	0.733038286	-2.932153143	-14.81973494	-13.23259945	-18.0643916	-13.51038334	0.1815571	0.2179566	0.1249591	0.2110964	-6.888129
5835000000	0.733038286	-2.879793266	-13.71713066	-11.760347	-18.26288397	-10.1580112	0.2061311	0.2582157	0.1221394	0.3105271	-6.964623
5835000000	0.733038286	-2.827433388	-13.24325487	-10.75822455	-14.84620107	-9.838585952	0.2176894	0.2897396	0.1810047	0.357331	-5.631472
5835000000	0.733038286	-2.775073511	-13.22526958	-10.33771543	-12.19707884	-10.05557886	0.2181406	0.3041685	0.2455535	0.3142108	-5.335466
5835000000	0.733038286	-2.722713633	-15.31565231	-10.75106219	-11.32065516	-12.55892605	0.1714815	0.2900326	0.2716234	0.235534	-6.297068
5835000000	0.733038286	-2.670353756	-21.31406027	-11.84473536	-11.42320909	-12.3344333	0.0859601	0.2557191	0.2684353	0.2417009	-7.41369
5835000000	0.733038286	-2.617993878	-20.42717091	-10.73165559	-10.52370576	-10.61118423	0.095201	0.2479201	0.2974163	0.2947412	-6.601781
5835000000	0.733038286	-2.565634	-16.26996722	-10.62211911	-8.378047171	-10.47157421	0.1536391	0.2943706	0.3811515	0.2995169	-4.969199
5835000000	0.733038286	-2.513274123	-14.86397734	-9.026321702	-6.614323415	-12.02201377	0.1806347	0.3537398	0.4666945	0.2505528	-4.069264
5835000000	0.733038286	-2.460914245	-14.61401273	-8.095371726	-5.760399876	-14.50363797	0.1859085	0.3937598	0.5152049	0.188286	-3.854988
5835000000	0.733038286	-2.40854368	-15.57312194	-7.517570103	-5.606480891	-15.73739833	0.166473	0.4208443	0.524416	0.1633541	-3.9098
5835000000	0.733038286	-2.35619449	-15.56462604	-6.882257178	-5.813366573	-14.11921612	0.1666359	0.4527799	0.5120728	0.1968064	-3.554709
5835000000	0.733038286	-2.303816213	-11.5600626	-6.247902157	-6.229984867	-11.57337749	0.264239	0.4807056	0.488091	0.263714	-2.480675
5835000000	0.733038286	-2.251474735	-8.434992898	-5.932513692	-7.017795681	-9.403402665	0.3786608	0.5050964	0.4457694	0.3387114	-1.575439
5835000000	0.733038286	-2.199114858	-7.479801945	-6.018372115	-6.385920339	-7.68743632	0.4226783	0.5001283	0.3819917	0.412694	-1.322704
5835000000	0.733038286	-2.14675498	-8.27351121	-6.213796551	-9.717481332	-6.362356399	0.3857664	0.4890015	0.3266825	0.4807089	-1.502527
5835000000	0.733038286	-2.094395102	-9.796124093	-6.12608499	-8.38255474	-5.540224875	0.3237381	0.4939645	0.339498	0.5284316	-1.485344
5835000000	0.733038286	-2.042035225	-11.04436842	-5.725979692	-7.381931469	-5.332017572	0.2804023	0.5172506	0.4274678	0.5412515	-1.078955
5835000000	0.733038286	-1.989675347	-12.54694391	-5.252155659	-5.373246752	-5.691679382	0.2358592	0.546251	0.5386884	0.5192973	-0.723791
5835000000	0.733038286	-1.93731547	-14.27545668	-4.805150765	-3.950056426	-6.398249436	0.1932979	0.5750988	0.6345958	0.4787266	-0.529504
5835000000	0.733038286	-1.884955592	-12.93192728	-4.323164019	-3.091863297	-7.071310484	0.2256335	0.6079135	0.7004979	0.4430314	-0.100131
5835000000	0.733038286	-1.832595715	-9.726479541	-3.787725051	-2.592056521	-7.188822076	0.3263443	0.6456573	0.7419877	0.4370779	0.6361537
5835000000	0.733038286	-1.780235837	-7.582818346	-3.320723038	-2.18150965	-6.349374343	0.4176948	0.6822819	0.7779013	0.6481279	1.4350854
5835000000	0.733038286	-1.72787596	-6.707569576	-3.073415644	-1.693458161	-4.95653581	0.4619782	0.7019872	0.8228621	0.5652197	2.1171745
5835000000	0.733038286	-1.675516082	-6.634101288	-3.079786903	-1.150938104	-3.792818605	0.4659024	0.7014725	0.8758971	0.6461883	2.5270728
5835000000	0.733038286	-1.623156204	-6.749645898	-3.213716451	-0.649110229	-3.132608556	0.4597457	0.6907393	0.9279925	0.6927196	2.8468417
5835000000	0.733038286	-1.570796327	-6.625733201	-3.262406025	-0.245278846	-2.663283042	0.4663515	0.6686871	0.9721562	0.7359289	3.1107126
5835000000	0.733038286	-1.518436449	-6.194747634	-3.07301347	-0.24889219	-1.876521204	0.4900751	0.7020197	1.0028696	0.8057011	3.5237517
5835000000	0.733038286	-1.466076572	-5.529432976	-2.658485525	0.112413404	-0.780794261	0.5290885	0.7363355	1.0130262	0.9140297	4.0619634
5835000000	0.733038286	-1.413716694	-4.719728149	-2.182578221	-0.0192167						

5835000000	0.733038286	1.308996939	-0.496563826	-0.094402929	0.044259853	-0.74349642	0.9444344	0.9891903	1.0051086	0.917963	5.703709
5835000000	0.733038286	1.361356817	0.055606704	0.073147094	-0.110002198	-1.192292436	1.0064225	1.0084569	0.9874154	0.8717368	5.7426633
5835000000	0.733038286	1.413716694	-0.030758979	0.136660731	-0.655300455	-1.930553644	0.996465	1.0158581	0.9273314	0.8007046	5.4376661
5835000000	0.733038286	1.466076572	-0.58334345	0.029874764	-0.155392585	-2.470833622	0.9350457	1.0034454	0.8379544	0.7524165	4.9320935
5835000000	0.733038286	1.518436449	-1.070166217	-0.193508248	-2.568054342	-2.404378006	0.8840803	0.9779679	0.7440425	0.7581953	4.5172851
5835000000	0.733038286	1.570796327	-1.147933529	-0.52168051	-3.530191194	-1.986310946	0.8762002	0.9417074	0.6660249	0.7955811	4.2955885
5835000000	0.733038286	1.623156204	-1.079793968	-1.079752634	-4.348471577	-1.882295025	0.8831008	0.8831051	0.6061449	0.8051657	4.0211852
5835000000	0.733038286	1.675516082	-1.366270593	-2.080553897	-5.146793028	-2.492265402	0.8544496	0.7689956	0.5529175	0.7505623	3.6088499
5835000000	0.733038286	1.72787596	-2.169704098	-3.676176989	-6.038063312	-3.662097102	0.7785954	0.6549244	0.4989957	0.6559869	2.2145926
5835000000	0.733038286	1.780235837	-3.149225767	-5.772749011	-6.864298377	-4.549030384	0.695887	0.514473	0.4521526	0.5923092	1.0164445
5835000000	0.733038286	1.832595715	-3.837687917	-7.982799442	-7.362302921	-4.311878022	0.6428588	0.3988963	0.4284349	0.6087039	0.3360469
5835000000	0.733038286	1.884955592	-4.25766512	-10.16139491	-7.302141525	-3.56648693	0.612515	0.3104061	0.4314127	0.6632475	0.0760213
5835000000	0.733038286	1.93731547	-4.634077803	-12.57579556	-7.053021884	-3.34312281	0.5865379	0.235077	0.4439652	0.6805246	-0.237275
5835000000	0.733038286	1.989675347	-4.699078556	-13.31380821	-7.071445927	-3.834384987	0.582165	0.2159283	0.4430245	0.6431033	-0.517963
5835000000	0.733038286	2.042035225	-4.206617201	-10.46785469	-7.667084828	-4.374543302	0.6161254	0.2996452	0.4136621	0.6043282	-0.292544
5835000000	0.733038286	2.094395102	-3.804347292	-7.709958188	-8.923909961	-4.288970871	0.6453312	0.4116253	0.3579353	0.6103114	0.1087719
5835000000	0.733038286	2.14675498	-4.279653345	-6.36961043	-10.44390958	-0.026235905	0.6109664	0.4821164	0.3004724	0.6290544	0.0976414
5835000000	0.733038286	2.199114858	-6.005390226	-6.238874736	-11.20801252	-4.24514919	0.5008763	0.4875917	0.2751689	0.6133983	-0.551152
5835000000	0.733038286	2.251474735	-8.830444706	-6.973550125	-10.83499311	-4.888423052	0.3618077	0.4480591	0.2872436	0.5696116	-1.583405
5835000000	0.733038286	2.303834613	-10.87920679	-7.950957575	-10.14571844	-5.191417272	0.2857852	0.4006313	0.3109668	0.5500842	-2.229685
5835000000	0.733038286	2.3561949	-10.08430088	-9.212257796	-9.818729771	-4.902729771	0.3131735	0.3462479	0.3228949	0.5686742	-2.208418
5835000000	0.733038286	2.406545368	-8.842214425	-11.66396481	-10.04408289	-5.100359973	0.3613177	0.2610969	0.3146269	0.5558812	-2.539853
5835000000	0.733038286	2.460914245	-8.492824104	-15.72190793	-10.47422001	-6.657619408	0.376148	0.1636457	0.2994256	0.4646426	-3.715967
5835000000	0.733038286	2.513274123	-8.765106947	-16.64936303	-10.54039334	-8.511671881	0.3645395	0.1470726	0.2971531	0.3735327	-4.552847
5835000000	0.733038286	2.565634	-8.875847882	-13.96559265	-10.45719531	-7.476397892	0.3599213	0.2003182	0.3000131	0.4228439	-3.855413
5835000000	0.733038286	2.617993878	-8.986481452	-12.60006819	-10.72431336	-6.211608434	0.355366	0.234421	0.2909272	0.4891247	-3.28721
5835000000	0.733038286	2.670353756	-10.71792247	-12.76550614	-11.06338622	-7.340421112	0.2911413	0.2299983	0.279789	0.4295156	-4.219361
5835000000	0.733038286	2.722133633	-15.59703733	-14.94279475	-11.05719585	-10.73876525	0.1660153	0.179003	0.2799885	0.2904466	-6.787904
5835000000	0.733038286	2.775073511	-14.09672989	-20.6247427	-11.18264217	-10.14445974	0.1973165	0.093006	0.2759738	0.3110119	-7.157021
5835000000	0.733038286	2.827433388	-9.448804393	-19.98107968	-12.01117906	-7.444132158	0.3369456	0.1002181	0.2508656	0.4244176	-5.095015
5835000000	0.733038286	2.879793266	-7.903134316	-14.8174267	-13.64103721	-7.103834291	0.4025717	0.1816054	0.207945	0.4413756	-4.197833
5835000000	0.733038286	2.932153143	-8.064173724	-13.6409268	-16.15443663	-8.283504838	0.3951767	0.2079475	0.1556963	0.3853228	-4.850992
5835000000	0.733038286	2.984513021	-9.386673722	-15.58183793	-19.96139013	-9.682558416	0.3393644	0.1663061	0.1004455	0.3279987	-6.612596
5835000000	0.733038286	3.036878899	-12.60942107	-21.31325508	-24.21314313	-11.86997322	0.2341688	0.0959681	0.0615663	0.2549772	-9.942172
5835000000	0.733038286	3.089232776	-19.4450205	-31.7726148	-23.36714784	-16.64573665	0.106598	0.0257851	0.0678645	0.1471334	-15.20446
5835000000	0.733038286	3.141592654	-21.91534331	-22.79366709	-20.12386019	-23.55774184	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.733038286	3.141592654	-21.91534307	-22.79366702	-20.12386038	-23.5577419	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.733038286	3.089232776	-17.73045694	-18.78820152	-17.55548574	-23.35535339	0.1298605	0.1149714	0.132503	0.0679568	-13.04771
5835000000	0.733038286	3.036878899	-17.12086717	-16.55216671	-16.26603354	-21.59124424	0.1393018	0.1487276	0.1537087	0.0832603	-11.61744
5835000000	0.733038286	2.984513021	-16.23505206	-14.65911197	-16.60493846	-18.2895049	0.1542579	0.1849458	0.1478268	0.1217656	-10.33116
5835000000	0.733038286	2.932153143	-14.06062367	-12.93632899	-18.38535213	-13.42565309	0.1981385	0.2255192	0.120458	0.231657	-8.435454
5835000000	0.733038286	2.879793266	-11.57263828	-11.57263828	-18.19147912	-9.774332046	0.2249069	0.2638567	0.1231476	0.3245513	-6.590792
5835000000	0.733038286	2.827433388	-12.95952218	-10.63942969	-14.64932034	-8.374309805	0.2249178	0.2937843	0.1851544	0.3813155	-5.310628
5835000000	0.733038286	2.775073511	-13.96845929	-10.25453641	-12.16190904	-9.301846756	0.2002521	0.3070953	0.2465497	0.3426949	-5.219698
5835000000	0.733038286	2.722713633	-17.62283106	-10.68234974	-11.48803274	-11.9433478	0.1314796	0.2923361	0.2664393	0.2528323	-6.529561
5835000000	0.733038286	2.670353756	-20.28290608	-11.86104832	-11.79041355	-12.83675762	0.0967954	0.2552393	0.2573234	0.2281193	-7.56137
5835000000	0.733038286	2.617993878	-14.27031838	-12.36462184	-10.86933786	-11.24658466	0.1934123	0.2408623	0.28611	0.2739497	-6.069951
5835000000	0.733038286	2.565634	-11.36410391	-10.90640584	-8.54039648	-10.59625263	0.2702681	0.288916	0.3740935	0.2952483	-4.219361
5835000000	0.733038286	2.513274123	-10.41835304	-9.135101656	-7.107086446	-11.2704603	0.3013577	0.3493373	0.461803	0.2731797	-3.187243
5835000000	0.733038286	2.460914245	-10.60586987	-8.013348057	-5.885687355	-12.50079577	0.2949215	0.3974958	0.5078268	0.2731156	-2.86929
5835000000	0.733038286	2.408545368	-12.53102257	-7.317358055	-5.79032741	-13.06422665	0.2362919	0.4306576	0.5134296	0.2222228	-3.081912
5835000000	0.733038286	2.3561949	-16.17542572	-6.680816937	-5.995746068	-12.22443012	0.1553205	0.4634033	0.5013288	0.2447814	-3.319003
5835000000	0.733038286	2.303834613	-12.5010511	-6.118401043	-6.330576586	-10.53510806	0.2371087	0.4944017	0.482471	0.297334	-2.433498
5835000000	0.733038286	2.251474735	-8.081836977	-5.88018282	-7.036143436	-8.829228275	0.3943739	0.5076906	0.4448287	0.3618583	-3.767022
5835000000	0.733038286	2.199114858	-6.543845236	-6.059909809	-8.362112214	-7.35597757	0.4707689	0.4977424	0.3818514	0.428747	-1.016546
5835000000	0.733038286	2.14675498	-7.329536594	-6.32454125	-9.700819322	-6.148587249	0.4300542	0.4828063	0.3273098	0.4926865	-1.245347
5835000000	0.733038286	2.094395102	-9.835809695	-6.224739442	-9.221035734	-5.368744106	0.3222623	0.4883858	0.3458981	0.5389678	-1.434572
5835000000	0.733038286	2.042035225	-12.58774143	-5.719706448	-7.137514715	-5.139176917	0.234754	0.5176243	0.4396674	0.5534025	-1.18246
5835000000	0.733038286	1.989675347	-14.3902637	-5.126535505	-5.137143585	-5.367060724	0.1907598	0.5542086	0.5553521	0.5390722	-0.735709
5835000000	0.733038286	1.93731547	-16.63951266	-4.60346373	-3.729049094	-5.741339136	0.1472395	0.5886089	0.6509499	0.5163368	-0.431208
5835000000	0.733038286	1.884955592	-16.22339867	-4.075708305	-2.852599565	-5.910451516	0.154465	0.6254817	0.7198387	0.506381	0.0267391
5835000000	0.733038286	1.832595715	-13.465476995	-3.465476995	-2.944912962	-5.748680894	0.2763675	0.6710056	0.7678483	0.5159005	0.9498664
5835000000	0.733038286	1.780235837	-7.586743029	-2.859044801	-1.792829729	-5.307721149	0.4175061	0.7195281	0.8135018	0.5427676	1.9149035
5835000000	0.733038286	1.72787596	-5.891810921	-2.46918591	-4.752214792	-5.0746869	0.5074689	0.7562303	0.8675693	0.5786144	2.6384104
5835000000	0.733038286	1.675516082	-5.564806171	-2.252384931	-0.673414709	-4.403904526	0.5269382	0.7715796	0.9253995	0.6022888	3.0034768
5835000000	0.733038286	1.623156204	-5.947970267	-2.271852408	-0.186295674	-4.448154784	0.5041984	0.7698522	0.9787803	0.5992282	3.0825708
5835000000	0.733038286	1.570796327	-6.17198444	-2.335826238	0.216584518	-4.575518706	0.4913611	0.7642029	1.0252487	0.5905057	3.1410271
5835000000	0.733038286	1.518436449	-5.749658774	-2.320595087	0.5						

5835000000	0.785398163	1.204277184	-2.414990864	0.90454772	-0.891219842	-0.898017314	0.7572695	1.1097557	0.902483	0.901777	5.2757623
5835000000	0.785398163	1.256637061	-2.433756598	0.483058051	-0.57241341	-0.861665123	0.7556352	1.0571896	0.9362231	0.905559	5.2362134
5835000000	0.785398163	1.308996939	-1.910302888	0.146337178	-0.456375706	-0.865887603	0.8025736	1.0169904	0.9488143	0.9051189	5.2809942
5835000000	0.785398163	1.361356817	-1.408648832	-0.106086438	-0.650489168	-1.237948626	0.850291	0.9878606	0.9278452	0.8671667	5.1580989
5835000000	0.785398163	1.413716694	-1.310191623	-0.348863509	-1.214120558	-1.920325168	0.8599841	0.9606315	0.8695488	0.8016481	4.8404183
5835000000	0.785398163	1.466076572	-1.497833664	-0.594292754	-0.237578884	-2.453807084	0.841605	0.9338677	0.7876116	0.7538929	4.3942949
5835000000	0.785398163	1.518436449	-1.595462989	-0.812376048	-2.989948128	-2.390319169	0.8321984	0.9017123	0.7087655	0.7594235	4.1124759
5835000000	0.785398163	1.570796327	-1.493661698	-1.0609031	-3.686007226	-1.910317626	0.8420094	0.8850236	0.6541836	0.8025722	4.0328489
5835000000	0.785398163	1.623156204	-1.514788834	-1.532943487	-4.142033271	-1.66226288	0.8399638	0.83821	0.6207004	0.8258228	3.8755693
5835000000	0.785398163	1.675516082	-1.988063973	-2.45162734	-4.643943808	-2.076499051	0.7954205	0.7540821	0.5858721	0.7873631	3.2951973
5835000000	0.785398163	1.72787596	-2.858324933	-3.876448393	-5.497891542	-3.049205508	0.7195877	0.6399965	0.5310133	0.7039466	2.6066214
5835000000	0.785398163	1.780235837	-3.664390083	-5.478119425	-6.806390091	-3.839967239	0.6558137	0.5322235	0.456752	0.6426901	1.1665348
5835000000	0.785398163	1.832595715	-4.113367451	-6.681300233	-8.297353696	-3.695031218	0.6227757	0.4633775	0.384709	0.6353043	0.5239888
5835000000	0.785398163	1.884955592	-4.574493633	-7.564906036	-9.207119383	-3.120108133	0.5905754	0.4185571	0.3464528	0.6982237	0.2306008
5835000000	0.785398163	1.93731547	-5.363289159	-8.783730575	-9.892037189	-3.049951827	0.5393064	0.3637588	0.3551388	0.7038861	-0.166221
5835000000	0.785398163	1.989675347	-5.843022736	-10.3314484	-8.228374476	-3.645814467	0.5103274	0.304388	0.3877763	0.6572177	-0.631698
5835000000	0.785398163	2.042035225	-5.254404728	-10.76219877	-7.707182905	-4.174752344	0.5461095	0.2898661	0.4117569	0.6203366	-0.593695
5835000000	0.785398163	2.094395102	-4.441443758	-9.391476878	-7.708626769	-3.90085241	0.5969614	0.3391768	0.4116884	0.6382009	-0.048963
5835000000	0.785398163	2.14675498	-4.399225379	-7.891484561	-8.04936459	-3.574896989	0.6026133	0.403112	0.3937796	0.6626057	0.2656392
5835000000	0.785398163	2.199114858	-5.483943123	-7.097036673	-8.537884642	-3.887079204	0.5318668	0.4417211	0.3742017	0.6392136	-0.056628
5835000000	0.785398163	2.251474735	-7.761769949	-6.860386701	-8.489049575	-4.702298202	0.4091773	0.5359231	0.3635595	0.5819492	-0.873714
5835000000	0.785398163	2.303834613	-10.56612084	-6.955503007	-8.858905133	-5.074245818	0.2962743	0.4489778	0.3606222	0.557555	-1.600513
5835000000	0.785398163	2.35619449	-11.18380811	-7.637755136	-9.048460593	-4.71936567	0.2759368	0.4150613	0.3528393	0.5808068	-1.805434
5835000000	0.785398163	2.408554368	-9.767121148	-9.433152979	-9.6755419	-4.911429463	0.3248209	0.3375533	0.3286327	0.5681049	-2.165111
5835000000	0.785398163	2.460914245	-9.038573956	-12.32690352	-10.54197262	-6.591988223	0.3532412	0.2415106	0.2970991	0.681668	-3.347155
5835000000	0.785398163	2.513274123	-9.140614805	-14.02197086	-10.85348394	-8.62658502	0.3491156	0.1990222	0.2866327	0.3703998	-4.399631
5835000000	0.785398163	2.565634	-8.840803742	-13.06657789	-10.49778872	-7.571017798	0.3613764	0.2221627	0.2986143	0.4182627	-3.738953
5835000000	0.785398163	2.617993878	-8.196773144	-12.30577739	-10.13499341	-6.319379605	0.3891897	0.2424999	0.311351	0.4830933	-2.937395
5835000000	0.785398163	2.670353756	-9.008870849	-12.86286308	-10.00126875	-7.474685338	0.3544512	0.2274438	0.3168186	0.4229273	-3.602577
5835000000	0.785398163	2.722713633	-12.74107098	-15.31454238	-10.18413795	-10.56988302	0.2306463	0.1715035	0.3095944	0.296146	-5.952336
5835000000	0.785398163	2.775073511	-14.9076902	-19.43493768	-10.93397739	-9.794599739	0.1972729	0.1067218	0.2839887	0.3237949	-6.991583
5835000000	0.785398163	2.827433388	-10.33365531	-16.99231304	-12.28170719	-7.447695439	0.3043107	0.1413788	0.2431726	0.4242435	-0.598972
5835000000	0.785398163	2.879793266	-8.224702998	-13.48372343	-13.93726883	-7.257276911	0.3879403	0.2117453	0.2009725	0.4336468	-4.192151
5835000000	0.785398163	2.932515143	-8.071425017	-12.90738891	-15.9986428	-8.377135402	0.3948469	0.2262719	0.1585141	0.3811915	-4.725269
5835000000	0.785398163	2.984513021	-9.283576151	-15.14301704	-19.21226213	-9.675232658	0.3434165	0.1749329	0.1094931	0.3282754	-6.410452
5835000000	0.785398163	3.036872899	-12.4643111	-21.1171187	-23.31549075	-11.9062787	0.2381137	0.0879314	0.0682693	0.2539137	-9.786043
5835000000	0.785398163	3.089232776	-19.28444243	-32.51270175	-23.28475279	-16.73090717	0.108587	0.0236791	0.0685113	0.1456984	-15.22714
5835000000	0.785398163	3.141592654	-21.91534307	-22.79366732	-20.12386038	-23.55774719	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.837758041	-3.141592654	-21.91534333	-22.79366732	-20.12385972	-23.55774215	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.837758041	-3.089232776	-17.62350351	-18.60432312	-17.57563336	-23.4788142	0.1314694	0.1714313	0.132196	0.0669976	-12.99321
5835000000	0.837758041	-3.036872899	-16.98338481	-16.17258908	-16.38848914	-21.68141027	0.1415242	0.1553712	0.1515568	0.0824004	-11.52216
5835000000	0.837758041	-2.984513021	-15.85928492	-14.23049294	-16.87049977	-18.60596874	0.1610778	0.1943011	0.1433755	0.117409	-10.22668
5835000000	0.837758041	-2.932153143	-13.49835286	-12.58027353	-18.6005265	-13.47350821	0.211389	0.2349599	0.1169425	0.2119945	-8.231407
5835000000	0.837758041	-2.879793266	-12.41795688	-11.30964249	-17.9790918	-9.589200422	0.2393879	0.271968	0.1261959	0.3315431	-6.293273
5835000000	0.837758041	-2.827433388	-12.75042424	-10.46165534	-14.49537534	-8.041561743	0.230398	0.2998951	0.1884652	0.3962068	-0.576554
5835000000	0.837758041	-2.775073511	-14.51012274	-10.12549489	-12.24248778	-8.835106333	0.1881455	0.3116917	0.2442843	0.3621635	-5.147578
5835000000	0.837758041	-2.722713633	-18.43646202	-10.5406665	-11.75948223	-11.71485877	0.1197228	0.2971438	0.2582414	0.2959515	-6.607345
5835000000	0.837758041	-2.670353756	-15.75605578	-11.72565318	-12.16260632	-14.1995424	0.1630036	0.2592491	0.2465299	0.1949497	-7.292563
5835000000	0.837758041	-2.617993878	-10.75714454	-12.49672517	-11.15787722	-12.93135135	0.2898296	0.2372608	0.2767618	0.2256485	-5.768354
5835000000	0.837758041	-2.565634	-8.45997367	-11.31979409	-8.756388705	-11.61148682	0.3775733	0.2716504	0.3649056	0.2267692	-3.898084
5835000000	0.837758041	-2.513274123	-7.545997692	-9.546777504	-6.949304852	-11.37963238	0.4194692	0.3331663	0.4492983	0.2697854	-2.664101
5835000000	0.837758041	-2.460914245	-7.348032986	-8.343892152	-6.196665107	-11.43779919	0.4291394	0.3826532	0.4899669	0.2679847	-2.104022
5835000000	0.837758041	-2.408554368	-8.221611033	-7.608917289	-6.176595096	-11.06929596	0.3880784	0.4164416	0.4911004	0.2795987	-2.073781
5835000000	0.837758041	-2.35619449	-10.53731017	-7.001594519	-6.371348303	-10.25466762	0.2972586	0.4466016	0.4802115	0.3070907	-2.320175
5835000000	0.837758041	-2.303834613	-11.47445711	-6.483629144	-6.562141729	-9.256081318	0.2668561	0.4704309	0.4697783	0.3445053	-2.184967
5835000000	0.837758041	-2.251474735	-8.691969399	-6.262292607	-7.072188269	-8.4229866	0.367622	0.4862788	0.4429866	0.3838383	-1.510663
5835000000	0.837758041	-2.199114858	-7.023346715	-6.406655813	-8.200445041	-7.47224057	0.4454846	0.4872635	0.3890252	0.4230464	-1.230508
5835000000	0.837758041	-2.14675498	-7.690542574	-6.620781755	-9.328560956	-6.688703666	0.4125465	0.4666714	0.3416425	0.4629828	-1.494846
5835000000	0.837758041	-2.094395102	-10.62370495	-6.444712697	-7.77859214	-6.164240757	0.2943166	0.5102026	0.3640047	0.4917994	-1.796623
5835000000	0.837758041	-2.042035225	-13.73757683	-5.845080356	-6.809280097	-6.112641948	0.2056464	0.4761265	0.4566001	0.4947296	-1.580936
5835000000	0.837758041	-1.989675347	-12.61513958	-5.181169603	-4.915130993	-6.452914538	0.2340146	0.5507335	0.5678628	0.4757231	-0.779489
5835000000	0.837758041	-1.93731547	-11.1431325	-4.655305398	-3.547197556	-6.792033979	0.277232	0.5815062	0.6647221	0.4575076	-0.06728
5835000000	0.837758041	-1.884955592	-10.67547458	-4.200199672	-2.655687439	-6.793894653	0.2925584	0.6158080	0.7365727	0.4574096	0.4366876
5835000000	0.837758041	-1.832595715	-9.428624413	-3.68177033	-6.594230938	-6.469088338	0.3377293	0.6545028	0.7894526	0.4680459	1.0220103
5835000000	0.837758041	-1.780235837	-7.10719734	-3.108523354	-1.537528748	-6.469088338	0.4412047	0.6991556	0.8377676	0.4748381	1.7732307
5835000000	0.837758041	-1.72787596	-5.404248665	-2.63026689	-1.204151132	-6.49177101	0.5367692	0.7387314	0.8887763	0.4735997	2.4044895
5835000000	0.837758041	-1.675516082	-4.911776022	-2.370769046	-0.553953705	-6.708001527	0.5680822	0.7611347	0.9382149	0.4619553	2.7007028
5835000000	0.837758041	-1.623156204	-5.328297941	-2.33228395							

5835000000	0.837758041	1.099557429	-2.240279147	1.699145087	-2.522388428	-1.084235967	0.7726558	1.2160663	0.7479638	0.8826493	5.1519762
5835000000	0.837758041	1.151917306	-2.454294926	1.797122897	-1.972130226	-1.481155574	0.7538505	1.2298613	0.796881	0.8432226	5.1627216
5835000000	0.837758041	1.204277184	-2.748104348	1.650442469	-1.769993048	-1.769993048	0.7287772	1.2092668	0.8277281	0.8156434	5.0604943
5835000000	0.837758041	1.256637061	-2.776472604	1.353573067	-1.403218267	-1.734350872	0.7264009	1.1686344	0.8508227	0.8189973	5.0202381
5835000000	0.837758041	1.308996939	-2.539069556	0.955715318	-2.170944303	-1.655754566	0.7465287	1.1163124	0.8638787	0.8264418	4.9916995
5835000000	0.837758041	1.361356817	-2.345173938	0.437855806	-1.34982388	-1.905800448	0.7633809	1.0517022	0.8560691	0.8029897	4.7963512
5835000000	0.837758041	1.413716694	-2.359677507	-0.212427987	-1.690752768	-2.476317144	0.7621073	0.97584	0.8231185	0.7519417	4.7383843
5835000000	0.837758041	1.466076572	-2.403577104	-0.912855094	-2.18624228	-2.923997162	0.7582652	0.9002378	0.7774776	0.7141676	3.9460199
5835000000	0.837758041	1.518436449	-2.191178407	-1.514527673	-2.586892435	-2.766474123	0.7770359	0.839989	0.7424298	0.7272375	3.7692667
5835000000	0.837758041	1.570796327	-1.823672508	-1.98210304	-2.730372725	-2.149039424	0.8106182	0.7959666	0.7302665	0.7808148	3.8559921
5835000000	0.837758041	1.623156204	-1.778057157	-2.517384313	-2.775287329	-1.725166792	0.8148865	0.7483948	0.7265	0.8198637	3.8336166
5835000000	0.837758041	1.675516082	-2.371901095	-3.412745567	-0.3707703091	-1.958449472	0.7610356	0.6750916	0.7016917	0.7981372	3.3343911
5835000000	0.837758041	1.72787596	-3.417295647	-4.766802454	-3.952812216	-2.806001618	0.6747381	0.5776435	0.6343945	0.7273956	2.3145781
5835000000	0.837758041	1.780235837	-4.215190637	-6.215952197	-5.613529655	-3.604094298	0.6155176	0.4888801	0.5239906	0.6603821	1.7144448
5835000000	0.837758041	1.832595715	-4.41955622	-7.09379762	-8.090010577	-3.576315361	0.6012045	0.4418859	0.3940029	0.6624975	0.4220931
5835000000	0.837758041	1.884955592	-4.767670759	-7.426322601	-10.5597012	-3.119256403	0.5775857	0.4252887	0.2964933	0.6982922	-0.010169
5835000000	0.837758041	1.93731547	-5.93607029	-7.836991717	-10.51047988	-3.153829663	0.5048897	0.405648	0.2981783	0.6955182	-0.426188
5835000000	0.837758041	1.989675347	-7.283371079	-8.515168968	-8.431855707	-3.29235735	0.4323346	0.3751816	0.3787976	0.6434757	-0.772523
5835000000	0.837758041	2.042035225	-7.020032208	-9.056265183	-6.704538473	-4.259729777	0.4456546	0.3525224	0.4621395	0.6123694	-0.571301
5835000000	0.837758041	2.094395102	-5.75622435	-8.927261671	-5.982875313	-3.805701499	0.5154527	0.3577972	0.5074067	0.6452306	0.111705
5835000000	0.837758041	2.14675498	-5.024730591	-8.205932981	-5.927310331	-3.73961474	0.5607425	0.3887795	0.5053997	0.6776716	0.5575606
5835000000	0.837758041	2.199114858	-5.272714927	-7.384785428	-6.595455722	-3.748585247	0.5449595	0.4273274	0.4677999	0.6494874	0.3813044
5835000000	0.837758041	2.251474735	-6.633172003	-6.751685541	-4.707865004		0.4659522	0.4596378	0.4197351	0.5815764	-0.32341
5835000000	0.837758041	2.303834613	-9.042026453	-6.50451054	-8.354606775	-5.168196207	0.3531008	0.4729056	0.3822053	0.5515567	-1.11149
5835000000	0.837758041	2.35619449	-11.06492578	-6.971387801	-9.054664425	-6.09685252	0.2979794	0.4481574	0.3525882	0.547986	-1.643151
5835000000	0.837758041	2.408554368	-10.56860531	-8.464623524	-10.0793137	-5.034426172	0.2961896	0.3773013	0.3133597	0.5601169	-2.230583
5835000000	0.837758041	2.460914245	-9.808748376	-10.84143018	-11.34631326	-6.796160663	0.323267	0.2870308	0.2708222	0.4572903	-3.488809
5835000000	0.837758041	2.513274123	-9.952510871	-12.67102133	-11.71404367	-8.753944315	0.3179614	0.2325139	0.2595959	0.3650083	-4.619254
5835000000	0.837758041	2.565634	-9.318365508	-12.74032598	-10.82734079	-7.517551491	0.3402438	0.2306661	0.2874968	0.4208452	-3.869266
5835000000	0.837758041	2.617993878	-7.836401214	-12.59353464	-9.787732717	-6.319033034	0.405766	0.2345974	0.324051	0.4831126	-2.808603
5835000000	0.837758041	2.670353756	-7.795807377	-13.41092192	-9.251540101	-7.503865504	0.407577	0.2135275	0.3446855	0.4515089	-3.177199
5835000000	0.837758041	2.722713633	-10.53083319	-15.46391393	-9.51179457	-10.30225598	0.2974804	0.1685793	0.3345109	0.3054128	-5.145628
5835000000	0.837758041	2.775073511	-14.72358954	-16.80568357	-10.71873549	-9.515528706	0.183378	0.1444494	0.2911141	0.3343671	-6.434108
5835000000	0.837758041	2.827433388	-11.50433313	-14.349715	-12.55924779	-7.514850867	0.2659399	0.1916524	0.2352523	0.4020761	-5.082166
5835000000	0.837758041	2.879793266	-8.762555035	-12.21027415	-14.21921515	-7.434948711	0.3646467	0.2451807	0.1945537	0.4248666	-4.227812
5835000000	0.837758041	2.932515143	-8.209195934	-12.2405888	-15.80325865	-8.44350215	0.3886335	0.2443265	0.1621202	0.37829	-4.631899
5835000000	0.837758041	2.984513021	-9.252814268	-14.77984731	-18.51186811	-9.639541832	0.3446349	0.1823928	0.1186879	0.3296271	-6.237455
5835000000	0.837758041	3.036872899	-12.36261328	-20.98379763	-22.47151025	-11.93698485	0.240918	0.0892915	0.0752338	0.2530176	-9.649973
5835000000	0.837758041	3.089232776	-19.14823496	-33.32147458	-23.16579978	-16.82193026	0.1103032	0.0215738	0.069456	0.1441795	-15.25132
5835000000	0.837758041	3.141592654	-21.91534333	-22.7936672	-20.12385993	-23.55774215	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.890117919	-3.141592654	-21.91534333	-22.79366729	-20.12386024	-23.55774195	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.890117919	-3.089232776	-17.52573676	-18.438061	-17.6057972	-23.59512261	0.1329576	0.1197008	0.1317377	0.061065	-12.94665
5835000000	0.890117919	-3.036872899	-16.8705288	-15.82959976	-16.54241721	-21.7280075	0.143375	0.1616293	0.1488947	0.0819594	-11.4396
5835000000	0.890117919	-2.984513021	-15.59269582	-13.81609918	-17.17185964	-18.94841303	0.1660983	0.2037957	0.1384864	0.1128702	-10.15526
5835000000	0.890117919	-2.932153143	-13.1193935	-12.19104849	-18.82037481	-13.67455915	0.2208159	0.245724	0.1145464	0.2071438	-8.08754
5835000000	0.890117919	-2.879793266	-12.06125941	-10.98652884	-17.65775687	-9.60125223	0.2494233	0.2822757	0.1306806	0.3210834	-6.077566
5835000000	0.890117919	-2.827433388	-12.56792581	-10.22582109	-14.37891762	-7.913005832	0.2352901	0.3081122	0.1910091	0.4021145	-4.909013
5835000000	0.890117919	-2.775073511	-14.50161926	-9.94889759	-12.39350164	-8.560172983	0.1883298	0.3180937	0.2400628	0.3732427	-5.038341
5835000000	0.890117919	-2.722713633	-16.54384633	-10.32990066	-12.06304542	-11.5468351	0.1488702	0.3044423	0.249372	0.2646417	-6.309141
5835000000	0.890117919	-2.670353756	-12.54432623	-11.43200469	-12.45138808	-16.05672592	0.2359303	0.2681636	0.2384683	0.1574576	-6.935559
5835000000	0.890117919	-2.617993878	-8.647719906	-12.41984165	-11.36497719	-16.13944355	0.3694996	0.2393359	0.2702409	0.1559652	-5.721443
5835000000	0.890117919	-2.565634	-6.795600601	-11.77887113	-9.029874108	-13.8259767	0.4573198	0.2576656	0.3535951	0.2035641	-3.92987
5835000000	0.890117919	-2.513274123	-5.965662674	-10.23964298	-7.334448978	-12.62483832	0.5031725	0.3076223	0.429811	0.2373755	-2.648533
5835000000	0.890117919	-2.460914245	-5.507589419	-9.06911772	-6.698259576	-11.76914227	0.5304208	0.3520012	0.4624737	0.2579544	-1.927247
5835000000	0.890117919	-2.408554368	-5.695777097	-8.354098859	-6.779077537	-10.82121403	0.5190523	0.38222038	0.4581905	0.2876987	-1.685961
5835000000	0.890117919	-2.35619449	-6.989762261	-7.802676704	-6.967096088	-9.961154379	0.4472104	0.4072552	0.4483789	0.3176452	-1.827674
5835000000	0.890117919	-2.303834613	-8.909198917	-7.322862605	-6.980724046	-9.271635196	0.358542	0.4303847	0.447676	0.343889	-2.044755
5835000000	0.890117919	-2.251474735	-9.194768945	-7.066451216	-7.221971123	-8.779171343	0.3469457	0.4432793	0.4354158	0.3639498	-1.994895
5835000000	0.890117919	-2.199114858	-8.289392662	-7.103937058	-8.058245141	-8.440430395	0.3850617	0.4413703	0.3954465	0.3784238	-1.936559
5835000000	0.890117919	-2.14675498	-8.763423856	-7.176154474	-8.941769807	-8.145790241	0.3646102	0.4377159	0.3572	0.3914808	-2.208325
5835000000	0.890117919	-2.094395102	-11.27294041	-6.866318083	-8.422528862	-8.027530182	0.2731197	0.4536115	0.3792046	0.3968474	-2.482674
5835000000	0.890117919	-2.042035225	-12.79463478	-6.153154864	-6.656149328	-8.292948013	0.2292283	0.4924275	0.4647213	0.3849042	-2.095522
5835000000	0.890117919	-1.989675347	-9.932276478	-5.38928378	-4.91158048	-8.747128665	0.318703	0.5376948	0.568095	0.3652949	-0.96457
5835000000	0.890117919	-1.93731547	-7.734241837	-4.798244785	-3.618114454	-8.903224072	0.4104761	0.5755562	0.659317	0.3629433	0.035940
5835000000	0.890117919	-1.884955592	-7.229187442	-4.360802958	-2.745742147	-8.266262454	0.4350515	0.6052849	0.7289754	0.3860885	0.0649589
5835000000	0.890117919	-1.832595715	-7.598807894	-3.96470696	-2.146922002	-7.580252468	0.4169266	0.6335289	0.7810052	0.4178182	1.0202665
5835000000	0.890117919	-1.780235837	-7.264032728	-3.563634598	-1.663500424	-7.013943009	0.4333097	0.6634654	0.8257051	0.4459671	1.4686746
5835000000	0.890117919	-1.72787596	-6.142167094	-3.226462128	-1.478396819	-6.4783					

5835000000	0.890117919	0.99483767	-3.539672245	0.657088656	-5.715260294	-1.349690373	0.6652981	0.1785851	0.5178894	0.8560822	3.8565183
5835000000	0.890117919	0.994719551	-3.312889702	1.388790612	-4.52830306	-1.418359340	0.6828968	0.173883	0.593724	0.8943409	4.74379537
5835000000	0.890117919	1.099554729	-2.906695557	1.919828359	-3.748054358	-1.800323107	0.7155916	0.2473589	0.6495271	0.8128003	4.6733162
5835000000	0.890117919	1.151917306	-2.656418324	2.202641048	-3.362004108	-2.470980473	0.7365107	0.2886413	0.6790471	0.7524038	4.75239
5835000000	0.890117919	1.204277184	-2.483591835	2.291317907	-3.148566806	-3.028778605	0.7513121	0.3018468	0.6959398	0.7056041	4.7476592
5835000000	0.890117919	1.256637061	-2.20955487	2.240225456	-2.901753121	-3.136140576	0.7753936	0.2942294	0.7159989	0.6696361	4.8173674
5835000000	0.890117919	1.308996939	-1.940153946	2.034002533	-2.623232621	-3.020160576	0.7998201	0.2636834	0.7393301	0.7063405	4.883546
5835000000	0.890117919	1.361356817	-1.950419931	1.60093489	-2.450638468	-3.121351371	0.7988753	0.2303943	0.7533669	0.6972561	4.740596
5835000000	0.890117919	1.417316694	-2.281782599	0.892674376	-2.487426794	-3.559685678	0.7689726	0.1988297	0.7508085	0.663767	4.3284907
5835000000	0.890117919	1.466076572	-2.595438918	-0.036721293	-2.601964768	-3.900023542	0.7416996	0.1053737	0.7411426	0.6326188	3.8538162
5835000000	0.890117919	1.518436449	-2.440627617	-1.01095736	-2.59987205	-3.6422209	0.7503777	0.8901131	0.7413211	0.6580955	3.6499118
5835000000	0.890117919	1.570796327	-1.909523558	-1.851781026	-2.427975882	-2.875198468	0.8026456	0.8079992	0.7559816	0.7181912	3.7639988
5835000000	0.890117919	1.623156204	-1.615194416	-2.602086953	-2.317453012	-2.302494086	0.8268758	0.7411321	0.7658211	0.7671444	3.8093526
5835000000	0.890117919	1.67516082	-2.130695512	-3.540068418	-2.59823312	-2.423520943	0.7824733	0.6652679	0.7416612	0.7565262	3.3632547
5835000000	0.890117919	1.72787596	-3.243703293	-4.908322222	-3.5580799	-3.239550374	0.6883587	0.5683082	0.6638898	0.6888879	2.3096963
5835000000	0.890117919	1.780235837	-4.200830567	-6.625344406	-5.411334679	-4.073519385	0.465344	0.4663723	0.535351	0.6256393	1.0032513
5835000000	0.890117919	1.832595715	-4.347330953	-8.10506154	-8.202032004	-4.034413685	0.6062245	0.39332	0.4889543	0.6284624	0.0733547
5835000000	0.890117919	1.884955592	-4.497565373	-8.68356367	-10.78956168	-3.529873186	0.5598291	0.367978	0.2887498	0.6660492	-0.360883
5835000000	0.890117919	1.93731547	-5.70593611	-8.48665037	-10.08854491	-3.568145183	0.5184456	0.3674418	0.3159071	0.6631206	-0.565726
5835000000	0.890117919	1.989675347	-7.968417675	-10.81958488	-7.441781544	-4.284311462	0.3995573	0.3972932	0.4245325	0.6106388	-0.762243
5835000000	0.890117919	2.042035225	-9.188941346	-7.550303857	-5.578604268	-4.649416588	0.3471786	0.4192613	0.5261018	0.5853051	-0.546481
5835000000	0.890117919	2.094395102	-7.861807901	-7.150471211	-4.786764505	-4.017009035	0.4048917	0.439012	0.5763175	0.629723	0.2125458
5835000000	0.890117919	2.14675498	-8.30033479	-6.804210533	-5.02294091	-3.516566568	0.4487587	0.4568667	0.560858	0.6670704	0.7181074
5835000000	0.890117919	2.199114858	-5.476624148	-6.507494351	-6.13920971	-3.950845452	0.5323151	0.4727432	0.4932187	0.6345381	0.584643
5835000000	0.890117919	2.251474735	-5.84783694	-6.328868103	-7.70768335	-5.036804435	0.5100446	0.4825659	0.4117331	0.5599636	-0.156641
5835000000	0.890117919	2.303834613	-7.48584614	-6.44188261	-8.995408818	-5.539584312	0.4223842	0.4763277	0.355001	0.5284705	-1.001552
5835000000	0.890117919	2.35319449	-9.886951261	-7.109031268	-9.909774181	-5.153881405	0.3203704	0.4411116	0.3195297	0.5524665	-1.758333
5835000000	0.890117919	2.408554368	-10.86132447	-8.538436756	-11.23102695	-5.396192125	0.2863741	0.3741779	0.2744408	0.5372673	-2.660909
5835000000	0.890117919	2.460914245	-10.63537757	-10.56266398	-13.02129553	-7.150293449	0.2393213	0.2963922	0.2223239	0.349021	-0.463946
5835000000	0.890117919	2.513274123	-11.13227454	-12.25714041	-13.40007097	-8.790095458	0.2775788	0.2438614	0.2137495	0.3364923	-5.202805
5835000000	0.890117919	2.565634	-10.25035508	-12.91349634	-11.68008478	-7.372722295	0.3072432	0.2261128	0.2606128	0.4279213	-4.279957
5835000000	0.890117919	2.61799387	-7.797168193	-13.32861631	-9.856853876	-6.30165445	0.4075311	0.2155605	0.3214825	0.4848002	-9.222167
5835000000	0.890117919	2.670353756	-6.946797303	-14.18976872	-8.98090848	-5.93541589	0.449428	0.1952143	0.359302	0.4191872	-2.952038
5835000000	0.890117919	2.727273563	-8.04808814	-15.05732039	-9.10785565	-10.0905452	0.3611151	0.1762723	0.350403	0.3129484	-4.431405
5835000000	0.890117919	2.775703511	-13.5949196	-14.35931915	-10.60635675	-9.340231076	0.2611109	0.1946626	0.2949034	0.3411838	-5.693130
5835000000	0.890117919	2.827433388	-12.90169225	-12.33687086	-12.86630998	-7.632380926	0.2262403	0.2416331	0.2273445	0.4515182	-5.105838
5835000000	0.890117919	2.879379266	-9.528367712	-11.1296919	-14.88957278	-7.609242547	0.3338732	0.2766313	0.1885828	0.4164269	-4.318041
5835000000	0.890117919	2.932153143	-8.478144639	-11.68150849	-15.59962485	-8.46348786	0.3767843	0.2605701	0.1659658	0.3774206	-4.577509
5835000000	0.890117919	2.984513021	-9.294522931	-14.50428075	-17.89471722	-9.57494969	0.342984	0.1882721	0.1274278	0.3320875	-6.101131
5835000000	0.890117919	3.036872899	-12.30368364	-20.91974053	-21.71391008	-11.98404332	0.2425581	0.0899524	0.0820927	0.2522306	-9.540247
5835000000	0.890117919	3.089232776	-19.03655488	-34.2096169	-23.01747582	-16.91893459	0.1117306	0.0194769	0.0706523	0.1425798	-15.2824
5835000000	0.890117919	3.141592654	-21.91534333	-22.79366729	-20.12386024	-23.55774195	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.890117919	3.141592654	-21.91534328	-22.79366694	-20.12386024	-23.55774202	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.890117919	3.089232776	-17.4374874	-18.29020949	-17.64538856	-23.7204345	0.1343153	0.1217558	0.1311386	0.0562962	-12.90811
5835000000	0.890117919	2.984513021	-15.43080791	-13.43206383	-17.50305475	-19.40846061	0.1447653	0.1673647	0.1457828	0.0819929	-11.37424
5835000000	0.890117919	2.942153143	-13.96027492	-11.79668246	-18.91665839	-14.30776077	0.1690816	0.2130084	0.1333053	0.1082872	-10.12133
5835000000	0.890117919	2.927433388	-11.85604662	-10.62809177	-12.32572016	-9.812953693	0.2253663	0.294168	0.1360548	0.3231114	-5.945182
5835000000	0.890117919	2.827433388	-12.37851837	-9.94365919	-14.72698407	-13.97243407	0.2404773	0.1382744	0.1932649	0.3995654	-4.794703
5835000000	0.890117919	2.775073511	-13.91414287	-9.73055884	-12.54432009	-8.400498337	0.2501583	0.3261911	0.2359304	0.3801676	-4.853618
5835000000	0.890117919	2.727213633	-14.16276521	-10.06523641	-12.28205611	-11.1391394	0.196184	0.3138616	0.2341628	0.2773595	-5.759067
5835000000	0.890117919	2.670353756	-10.53877221	-11.01236651	-12.53484829	-16.53353828	0.2973762	0.2814373	0.2361879	0.1487041	-6.341713
5835000000	0.890117919	2.61799387	-7.467660551	-12.08534508	-11.43545401	-20.86610089	0.4323695	0.2483726	0.2680851	0.0905097	-5.758823
5835000000	0.890117919	2.565634	-6.034361185	-12.0927616	-9.31786499	-17.6154015	0.4992085	0.2485203	0.340633	0.1315597	-4.283784
5835000000	0.890117919	2.513274123	-5.397137149	-11.04773538	-7.812527797	-15.24573468	0.5372088	0.2802936	0.4067931	0.1728675	-3.115658
5835000000	0.890117919	2.460914245	-4.82394506	-10.02201522	-7.32683089	-13.45536282	0.572185	0.3154273	0.4302153	0.2124378	-2.315787
5835000000	0.890117919	2.408554368	-4.551526664	-9.33021456	-7.52993486	-11.9768316	0.593239	0.3415775	0.4202455	0.2254895	-1.906654
5835000000	0.890117919	2.35619449	-5.165929275	-8.793813611	-7.724169685	-11.01909524	0.5517007	0.3633367	0.4109524	0.2812194	-1.899152
5835000000	0.890117919	2.303834613	-6.850554472	-8.31495802	-7.548893778	-10.35524557	0.5454355	0.38393	0.4193294	0.3305552	-2.15115
5835000000	0.890117919	2.251474735	-8.665168007	-10.01673214	-7.509447475	-9.769459853	0.360327	0.3976183	0.4122381	0.3247334	-2.476149
5835000000	0.890117919	2.19114858	-9.665024262	-7.959632362	-8.091319396	-28.08054955	0.3286623	0.3996617	0.3939436	0.3345378	-2.697296
5835000000	0.890117919	2.14675498	-9.983952014	-7.948805448	-8.860270244	-8.924528124	0.3168126	0.4004605	0.3605674	0.3579098	-2.879021
5835000000	0.890117919	2.094395102	-11.15966535	-7.593249672	-8.446777659	-8.738576265	0.2767048	0.4711935	0.3781474	0.3656547	-2.867232
5835000000	0.890117919	2.042035225	-11.092242409	-6.827990035	-6.804086253	-8.591745565	0.2788617	0.4556172	0.4568732	0.3718884	-2.140084
5835000000	0.890117919	1.989675347	-8.329888725	-5.943710069	-5.126483088	-8.099357545	0.3832707	0.5044458	0.5542119	0.3935793	-0.745476
5835000000	0.890117919	1.93731547	-6.11082734	-5.161238086	-3.873125143	-7.191606037	0.4948332	0.5519992	0.6402414	0.4369351	0.522527
5835000000	0.890117919	1.884955592	-5.478857083	-4.523488528	-3.01448219	-6.25088236	0.5321783	0.5940535	0.7067664	0.4869181	1.2888462
5835000000	0.890117919	1.832595715	-6.258734541	-4.009109527	-2.410085329	-5.497969978	0.4864781	0.630296	0.7576298	0.5310085	1.6031907
5835000000	0.890117919	1.780235837	-7.43572207	-3.611611841	-1.928123005	-4.808909434	0.4248287	0.			

5835000000	0.942477796	0.890117919	-3.18976144	0.166428576	-8.228081825	0.212370706	0.692647	0.19193455	0.3877894	1.0247514	3.8751033
5835000000	0.942477796	0.960427796	-3.969358256	0.422246577	-8.414811745	-0.45349806	0.6331871	1.0498139	0.795416	0.9491287	3.5555157
5835000000	0.942477796	0.948837674	-4.234627797	0.108675979	-7.875983077	-0.811168057	0.6141386	1.1244336	0.4038321	0.910839	3.6746281
5835000000	0.942477796	1.047197551	-3.759338948	1.688520551	-6.973900833	-1.12486519	0.6468638	1.1245797	0.4480278	0.8785303	4.054728
5835000000	0.942477796	1.099557429	-3.09328039	2.208015602	-6.323584381	-1.740187674	0.7003836	1.2894389	0.4828595	0.8184471	3.6236986
5835000000	0.942477796	1.151917306	-2.55603666	2.52176316	-6.067599759	-2.68676593	0.7450719	1.3366669	0.4973018	0.7394914	3.8434071
5835000000	0.942477796	1.204277184	-2.067716564	2.682373437	-5.89774085	-3.612939983	0.7881596	1.3618733	0.501226	0.6597099	4.3939571
5835000000	0.942477796	1.256637061	-1.521541631	2.566370917	-5.4876151	-4.78112944	0.839311	1.3709291	0.5316419	0.6258076	4.5260413
5835000000	0.942477796	1.308996699	-1.082164895	2.663749918	-4.925000642	-4.095913813	0.8828598	1.3589	0.5672173	0.6240283	4.6928901
5835000000	0.942477796	1.361356817	-1.063584917	2.358787367	-4.521514522	-4.13671751	0.8847504	1.3120167	0.5941885	0.6211423	4.6398299
5835000000	0.942477796	1.417316694	-1.505949113	1.748095825	-4.4045308	-4.18564245	0.8364742	1.222939	0.6022453	0.6012731	4.2015954
5835000000	0.942477796	1.466076572	-2.209076632	0.845582184	-4.421742427	-4.670007005	0.7754364	1.1024235	0.5841167	0.3751922	3.7519592
5835000000	0.942477796	1.518436649	-2.405391805	-0.210527213	-4.303880864	-4.393790691	0.7758168	0.9676035	0.6092466	0.6029905	3.6527978
5835000000	0.942477796	1.584796327	-1.943140173	-1.214865379	-4.001233036	-3.63619336	0.7984505	0.8964374	0.6308678	0.5679461	3.3988738
5835000000	0.942477796	1.623156204	-1.497838021	-2.082726265	-3.80751225	-3.075509174	0.8416046	0.7867988	0.645096	0.703274	3.4543156
5835000000	0.942477796	1.675516082	-1.745464233	-2.972776712	-4.121332698	-3.200641371	0.8179501	0.7101681	0.6222048	0.6917799	3.0521959
5835000000	0.942477796	1.712787596	-2.759433551	-4.129423613	-5.281021275	-4.088312269	0.7278273	0.6126255	0.5444386	0.6254577	2.0012213
5835000000	0.942477796	1.782035837	-3.82679056	-5.629146847	-7.563198077	-4.929905149	0.6436719	0.5230493	0.4186394	0.5668977	0.6722881
5835000000	0.942477796	1.859525715	-4.006772785	-7.20105001	-10.86028239	-8.684164157	0.6304688	0.4364631	0.286309	0.582897	-0.281508
5835000000	0.942477796	1.884955592	-3.888304942	-8.229268909	-12.25778364	-9.986857868	0.5831235	0.3877364	0.2483833	0.6319127	-0.433578
5835000000	0.942477796	1.93731547	-4.675555352	-8.72593417	-9.523335594	-9.358193427	0.5891437	0.3856584	0.3339898	0.6340016	-0.276243
5835000000	0.942477796	1.989675347	-6.809813243	-7.580936207	-6.780728703	-4.670012765	0.4565721	0.4171793	0.4581033	0.5841163	-0.370074
5835000000	0.942477796	2.004052225	-9.60444556</								

5835000000	0.994837674	0.785398041	-3.087136548	1.093140537	-6.492651924	1.956102386	0.7008792	1.1341148	0.4735517	1.252579	5.0111437
5835000000	0.994837674	0.837575804	-3.198782753	1.026848339	-0.07878337	1.718466367	0.6919276	1.1254942	0.3945125	1.2122504	4.6705382
5835000000	0.994837674	0.890117919	-3.824361066	0.990490177	-9.75327067	1.04115592	0.6438485	1.1218957	0.3233393	1.1274331	4.1325083
5835000000	0.994837674	0.942477796	-4.483131035	1.195734437	-11.52088853	1.04085055	0.5968201	1.1475952	0.2654334	1.0520776	3.6929447
5835000000	0.994837674	0.994837674	-4.396461878	1.649663763	-12.10391756	0.06282372	0.6208051	1.20915	0.2831031	1.0072591	3.7148523
5835000000	0.994837674	1.047197551	-3.660920596	1.275062927	-10.95962876	0.30680278	0.6560757	1.2850656	0.2481513	0.9652490	4.5040897
5835000000	0.994837674	1.099554729	-2.942154058	2.581740883	-9.803901756	0.961161093	0.7126763	1.3461301	0.3234785	0.8952451	4.2903335
5835000000	0.994837674	1.151917306	-2.388442811	2.786900088	-9.243980568	1.933095786	0.7595876	1.3783041	0.3448806	0.804703	4.3057373
5835000000	0.994837674	1.204277184	-1.818615569	2.836947552	-8.7708616	-9.93275588	0.8110903	1.3862686	0.3642981	0.7134626	4.2839435
5835000000	0.994837674	1.256637061	-1.158791554	2.798945763	-7.943612716	-9.10319367	0.8751055	1.3802213	0.4007	0.6629646	4.3952227
5835000000	0.994837674	1.308996939	-0.60494926	2.714949642	-7.08759566	-3.789432815	0.932235	1.3601129	0.442183	0.6464402	4.5602295
5835000000	0.994837674	1.361356817	-0.50816109	2.368382047	-6.690703552	-3.90194081	0.9431743	1.3134668	0.4278627	0.6381209	4.5007779
5835000000	0.994837674	1.413716694	-0.994951525	1.79003744	-6.863967184	-4.149083048	0.8917691	1.2288585	0.4537343	0.6201612	4.0675208
5835000000	0.994837674	1.466076572	-1.818762232	0.907610813	-7.314304902	-8.3706866	0.8110766	1.1101771	0.3430809	0.6034573	3.3919082
5835000000	0.994837674	1.518436449	-2.360281165	-0.191195431	-7.500187802	-4.215757511	0.7620543	0.9782283	0.4216874	0.6154774	2.8521371
5835000000	0.994837674	1.570796327	-1.320723134	-7.225384655	-3.643787298	-6.780475	0.8104706	0.858942	0.435242	0.6537711	2.7010983
5835000000	0.994837674	1.623156204	-1.672774521	-2.32523442	-6.971649642	-3.24839822	0.824824	0.7653733	0.4481439	0.6879868	2.690962
5835000000	0.994837674	1.675516082	-1.74224345	-3.211533502	-7.380679082	-3.549768332	0.8182534	0.6909129	0.4275295	0.6645254	2.2829458
5835000000	0.994837674	1.72787596	-2.619453888	-4.115294483	-8.990862161	-4.54151766	0.7396518	0.6226375	0.3548585	0.5928217	1.2149495
5835000000	0.994837674	1.780235837	-3.702983723	-5.066080461	-12.45487317	-5.285081953	0.6529055	0.5584262	0.3238373	0.5441824	0.02695
5835000000	0.994837674	1.832595715	-3.875316337	-5.063903797	-16.79164486	-9.179136212	0.6400799	0.5066178	0.1446831	0.5768238	-0.59211
5835000000	0.994837674	1.884955592	-3.432437411	-6.523729027	-13.3686865	-3.959063194	0.6735629	0.4718604	0.2152162	0.6339381	-0.02338
5835000000	0.994837674	1.93731547	-3.664069582	-6.897688665	-9.003109912	-9.320543394	0.6602601	0.4519762	0.3544414	0.6367557	0.4377523
5835000000	0.994837674	1.989675347	-4.943251383	-6.415356983	-6.472020474	-4.595803732	0.5660274	0.4510578	0.4746777	0.5891282	0.3443867
5835000000	0.994837674	2.042035225	-7.418159325	-6.419587788	-5.236862177	-4.8438362	0.4256889	0.4775519	0.5472136	0.5731664	0.1019827
5835000000	0.994837674	2.094395102	-10.02370393	-5.636255986	-5.156834394	-4.156718886	0.313566	0.5226214	0.5522787	0.6196751	0.03067
5835000000	0.994837674	2.14675498	-9.633269094	-5.6362416323	-6.260118423	-7.792798672	0.3298652	0.5579936	0.4662866	0.6461898	0.0888354
5835000000	0.994837674	2.199114858	-7.26693704	-5.105253595	-8.271592762	-6.442566923	0.4331468	0.5555861	0.3858517	0.5996138	-0.11784
5835000000	0.994837674	2.251474735	-5.884665434	-5.957108631	-9.604470192	-5.599320804	0.5078866	0.5506682	0.3309607	0.5244845	-0.59602
5835000000	0.994837674	2.303834613	-6.127854134	-7.628338553	-9.187788036	-5.913111391	0.4938641	0.4155115	0.3472427	0.506226	-1.09641
5835000000	0.994837674	2.35619449	-7.880225886	-6.995253267	-5.05267458	-5.513656305	0.4036349	0.3275196	0.3526928	0.5300504	-1.863079
5835000000	0.994837674	2.408554368	-10.03240877	-11.8944366	-10.45029396	-5.892449293	0.3150501	0.2757578	0.3002516	0.5074316	-3.107406
5835000000	0.994837674	2.460914245	-11.41563436	-11.81294634	-13.49594854	-7.523778601	0.2866694	0.2566567	0.2114475	0.4205436	-4.751551
5835000000	0.994837674	2.513274123	-13.60587122	-12.42102845	-16.76813033	-5.585925562	0.208784	0.2393032	0.1450753	0.3732963	-3.616893
5835000000	0.994837674	2.565634	-13.09106874	-13.5643091	-15.19107188	-7.306580643	0.2215371	0.2907899	0.1739599	0.4311923	-5.709388
5835000000	0.994837674	2.617993878	-8.336405576	-14.8622651	-11.49176102	-6.69778405	0.3829832	0.1802467	0.266325	0.4624942	-3.795019
5835000000	0.994837674	2.670353756	-6.01807601	-14.79621689	-9.349838276	-8.135063031	0.5000992	0.1820494	0.3040867	0.3919646	-0.305963
5835000000	0.994837674	2.722713633	-6.584853614	-12.90389731	-11.87185943	-10.22534717	0.4685515	0.2256618	0.347862	0.308129	-3.41261
5835000000	0.994837674	2.775073541	-10.25564713	-10.97343695	-10.90387551	-9.278997813	0.3081213	0.2827015	0.2849746	0.343839	-4.295992
5835000000	0.994837674	2.827933388	-14.96220307	-9.786017603	-7.74436068	-7.887314597	0.1786035	0.324115	0.2054859	0.4033056	-5.102333
5835000000	0.994837674	2.879793266	-11.74218085	-9.677100527	-15.07985425	-8.04119608	0.2587561	0.3282048	0.1762006	0.4071871	-6.654295
5835000000	0.994837674	2.932153143	-9.396574488	-10.97939221	-15.29343239	-8.312747003	0.3389778	0.2825078	0.1719208	0.384078	-6.906547
5835000000	0.994837674	2.984513021	-9.587542885	-14.25673977	-16.7088114	-9.373270522	0.3316064	0.2937149	0.1417281	0.3398885	-9.600847
5835000000	0.994837674	3.036872899	-12.30916042	-21.02459328	-14.09190281	-12.01892559	0.2424607	0.0888731	0.0944941	0.2506149	-9.416324
5835000000	0.994837674	3.089232776	-18.88601128	-36.2564849	-22.66201374	-17.1037316	0.113684	0.0513878	0.0736036	0.1391437	-15.34467
5835000000	0.994837674	3.141592654	-21.91534325	-22.79366719	-20.12386032	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.994837674	3.141592654	-21.91534325	-22.79366719	-20.12386032	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	0.994837674	3.036872899	-16.71186898	-15.05174286	-17.17066805	-12.56523118	0.1366098	0.1251378	0.1295728	0.0639731	-12.85477
5835000000	0.994837674	2.984513021	-15.44761854	-12.80364887	-18.22408594	-9.197684699	0.1460181	0.1677717	0.1385054	0.0835966	-11.2944
5835000000	0.994837674	2.932153143	-12.87541543	-11.09151427	-18.0776401	-15.36307668	0.1688959	0.2289905	0.1226862	0.1002669	-10.16101
5835000000	0.994837674	2.879793266	-11.77120749	-9.921250375	-16.60893473	-10.86251238	0.257893	0.3191078	0.1477586	0.286335	-5.924765
5835000000	0.994837674	2.827433388	-11.964077	-9.331541957	-14.01630533	-8.584685731	0.2522296	0.3415253	0.199152	0.3721832	-4.693409
5835000000	0.994837674	2.775073511	-12.27286338	-9.297711982	-12.5822245	-8.29081888	0.244701	0.3455504	0.2363681	0.3849895	-4.353286
5835000000	0.994837674	2.722713633	-11.16913505	-9.475512409	-11.9967964	-9.585244475	0.2764033	0.3359111	0.2512813	0.3316941	-4.471135
5835000000	0.994837674	2.670353756	-8.73942798	-10.03558196	-11.77534792	-11.98599734	0.3600003	0.314395	0.2577701	0.2515939	-4.55137
5835000000	0.994837674	2.617993878	-7.15394807	-10.8551963	-10.98834629	-14.80712236	0.4383867	0.2865762	0.2821267	0.1818209	-5.136762
5835000000	0.994837674	2.565634	-6.733184815	-11.55701382	-9.665254124	-17.93840252	0.4606178	0.2643317	0.3286528	0.1267885	-4.580083
5835000000	0.994837674	2.513274123	-6.993490721	-11.6347296	-10.762423444	-12.00161241	0.4470185	0.2619772	0.3685502	0.0899331	-4.676363
5835000000	0.994837674	2.460914245	-6.56049238	-11.11018715	-8.489845079	-18.16621408	0.4968674	0.2728855	0.3762771	0.1235054	-4.096751
5835000000	0.994837674	2.408554368	-5.406605987	-10.29802341	-9.888311013	-14.53286657	0.5366236	0.3055616	0.3573506	0.1876535	-3.177885
5835000000	0.994837674	2.35619449	-4.77189704	-9.361170025	-9.203614918	-12.51714508	0.5773046	0.3403623	0.3465926	0.2366697	-2.493394
5835000000	0.994837674	2.303834613	-5.39681097	-8.490087708	-7.68038143	-11.0908143	0.537229	0.3762666	0.3647191	0.2789069	-2.17415
5835000000	0.994837674	2.251474735	-7.599559049	-7.92752681	-8.37962324	-9.571563537	0.4168905	0.4014428	0.3810938	0.332217	-3.217443
5835000000	0.994837674	2.199114858	-10.6801182	-7.736679782	-8.857979865	-18.99762923	0.2924113	0.4103609	0.3060625	0.3890558	-2.778334
5835000000	0.994837674	2.14675498	-10.843073	-7.704071493	-9.904795936	-7.3096371	0.2869765	0.4119044	0.3197129	0.4310406	-2.79543
5835000000	0.994837674	2.094395102	-9.19002832	-7.538567593	-5.989172254	-6.799139812	0.3471351	0.4198284	0.3315459	0.4571335	-2.182403
5835000000	0.994837674	2.042035225	-8.38539178	-7.194515757	-7.451097339	-6.257057329	0.3808293	0.4367915	0.4240774	0.486572	-1.263867
5835000000	0.994837674	1.989675347	-7.554040866	-6.796119581	-6.541599813	-5.09586597	0.419081	0.4572924	0.4056		

5835000000	1.047197551	0.680678408	-3.262671139	0.956532556	-3.328714664	1.226140566	0.6868572	1.1164175	0.6816544	1.1516142	5.1931755
5835000000	1.047197551	0.730308286	-3.376309477	1.155657954	-4.63957652	1.880557136	0.6779295	1.1423072	0.5861667	1.241732	5.2208189
5835000000	1.047197551	0.785398163	-3.339415688	1.379933092	-6.77756848	2.261447444	0.6808152	1.1721863	0.4582702	1.2973955	5.1263365
5835000000	1.047197551	0.837758041	-3.619196871	1.539571753	-9.416006297	2.132169727	0.6592348	1.1939292	0.3382203	1.2782285	4.7850205
5835000000	1.047197551	0.890117919	-4.255640928	1.666921063	-12.66023097	1.630041934	0.6126578	1.2115631	0.2328029	1.2064299	4.2529494
5835000000	1.047197551	0.942477796	-4.632806602	1.88286971	-15.82620081	1.098362996	0.5866238	1.2420665	0.1473584	1.1347969	3.8369692
5835000000	1.047197551	0.994836764	-4.128313205	2.244292681	-15.89460238	0.726492481	0.621705	1.2948356	0.1604242	1.087238	3.9846862
5835000000	1.047197551	1.047197551	-3.228644995	2.651502706	-11.99552487	0.342925868	0.6895532	1.3569853	0.2513181	1.0402705	4.4494573
5835000000	1.047197551	1.099557429	-2.60165272	2.95146657	-9.757482462	-0.298909261	0.7411692	1.4036452	0.3251815	0.9661722	4.7008881
5835000000	1.047197551	1.151917306	-2.208820009	3.036387541	-8.824892521	-1.200993619	0.7754593	1.4184675	0.362039	0.870864	4.6772506
5835000000	1.047197551	1.204277184	-1.731360221	2.939214814	-8.349257971	-2.072840645	0.8192793	1.4026869	0.3824169	0.7876948	4.5887165
5835000000	1.047197551	1.256637061	-1.0970355	2.724100668	-7.770631384	-2.602263441	0.8813496	1.3683747	0.40876	0.7411171	4.6796902
5835000000	1.047197551	1.308996939	-0.534986688	2.434366198	-7.255281193	-2.817413734	0.9402659	1.3234828	0.4338813	0.722985	4.6614841
5835000000	1.047197551	1.361356817	-0.381409858	2.029553213	-7.229159785	-2.989415902	0.9570387	1.2632161	0.4350528	0.708809	4.516821
5835000000	1.047197551	1.413716694	-0.801382155	1.416918793	-7.828792912	-3.276536432	0.9118657	1.1771883	0.4060321	0.6857616	4.0302577
5835000000	1.047197551	1.466076572	-1.617061336	0.534655708	-6.889251761	-3.518105173	0.8301316	1.0634885	0.3677371	0.6669522	3.3117392
5835000000	1.047197551	1.518436449	-2.33745683	-0.589258448	-9.070351615	-3.380599173	0.7640595	0.9344091	0.3519512	0.6775948	2.6963337
5835000000	1.047197551	1.570796327	-2.45018999	-1.8333945	-8.757717221	-2.927746379	0.7542069	0.8097114	0.3648498	0.7138594	2.4201193
5835000000	1.047197551	1.623156204	-2.131245003	-3.044593218	-8.42845646	-2.69774735	0.782416	0.7403205	0.3789459	0.7310416	2.2745131
5835000000	1.047197551	1.675516082	-2.158558872	-4.11879962	-8.757793133	-3.129951585	0.7799595	0.6223863	0.3648466	0.6974329	1.8144182
5835000000	1.047197551	1.72787596	-2.941539721	-4.970097978	-7.101246394	-4.11719394	0.7127267	0.5642806	0.3125193	0.6252014	0.8752122
5835000000	1.047197551	1.780235837	-4.015742709	-5.453753693	-12.26113372	-4.669071025	0.6298148	0.5337186	0.2437493	0.5841797	-0.037158
5835000000	1.047197551	1.832595715	-4.172650727	-5.55044132	-12.85443186	-4.072634782	0.6185395	0.5278104	0.2276583	0.6257003	-0.001254
5835000000	1.047197551	1.884955592	-3.408807216	-5.571682224	-10.33731321	-3.363858848	0.6753978	0.5265212	0.3041826	0.6789014	0.7684409
5835000000	1.047197551	1.93731547	-2.973446014	-5.771900173	-7.705778858	-3.48247854	0.7101134	0.5086335	0.4118234	0.6738878	1.2307768
5835000000	1.047197551	1.989675327	-3.506432979	-6.427426986	-6.20304122	-4.064908663	0.6678491	0.4771211	0.500017	0.6625298	1.1046879
5835000000	1.047197551	2.042035225	-5.1487368	-6.697457482	-5.30164754	-2.16596919	0.5527938	0.4625164	0.5431473	0.6154179	0.7240931
5835000000	1.047197551	2.094395102	-7.838655331	-6.262989124	-5.556230204	-3.642552893	0.4055713	0.4862398	0.5274857	0.6574666	0.3270195
5835000000	1.047197551	2.14675498	-9.98824244	-5.640502748	-6.695339395	-3.450494965	0.3166561	0.522366	0.4627251	0.672164	-0.114078
5835000000	1.047197551	2.199114858	-8.599722149	-5.61814262	-7.834387389	-3.173596008	0.3715471	0.5237124	0.4057706	0.6184722	-0.356827
5835000000	1.047197551	2.251474735	-6.673264492	-6.664637401	-7.489504164	-5.220955009	0.4638064	0.4642673	0.4222064	0.5482167	-0.452402
5835000000	1.047197551	2.303834613	-6.315637355	-8.938523685	-6.555044482	-5.4593164	0.4833015	0.3573336	0.4701623	0.5333741	-0.704574
5835000000	1.047197551	2.35619449	-7.534065863	-11.74358291	-6.623647847	-5.255872233	0.4200459	0.2587146	0.4666464	0.5460173	-1.456489
5835000000	1.047197551	2.408554368	-9.431285349	-12.67395439	-8.12499324	-5.866557368	0.3376259	0.2324354	0.3924193	0.5090465	-2.665825
5835000000	1.047197551	2.460914245	-11.09738135	-12.05420216	-10.94751374	-7.567722516	0.2786961	0.249626	0.2835465	0.4184214	-4.22045
5835000000	1.047197551	2.513274123	-14.03529437	-12.16679213	-14.84014154	-8.584494713	0.1987171	0.2464112	0.1811311	0.3721991	-6.034
5835000000	1.047197551	2.565634	-14.64097236	-13.44165629	-16.91648527	-7.601027638	0.1853324	0.2127733	0.1426185	0.4168201	-6.397422
5835000000	1.047197551	2.617993878	-8.06487021	-14.93663191	-13.01912693	-7.25161667	0.362807	0.17913	0.2233797	0.4327548	-4.6939427
5835000000	1.047197551	2.670353756	-5.85335078	-14.2133171	-10.09642139	-8.852908025	0.5097209	0.1946857	0.3127368	0.3608732	-3.235511
5835000000	1.047197551	2.727271363	-5.859295362	-11.82711196	-9.617103466	-10.59090858	0.5093722	0.2562385	0.3304797	0.29543	-3.150808
5835000000	1.047197551	2.775073511	-8.794990556	-9.947879064	-11.38124836	-9.28866167	0.3632875	0.318131	0.2697352	0.3432155	-3.779436
5835000000	1.047197551	2.827433388	-14.38210827	-9.082144181	-14.41183064	-7.9322208	0.190939	0.3514737	0.1902867	0.4012259	-4.928911
5835000000	1.047197551	2.879793266	-13.0643428	-9.309241085	-15.44571909	-7.761435744	0.2222199	0.3424033	0.1689328	0.409193	-4.861853
5835000000	1.047197551	2.932153143	-10.02304771	-10.8634303	-15.23978247	-8.140644852	0.3153898	0.2863047	0.172986	0.3917128	-4.6837
5835000000	1.047197551	2.984513021	-9.830116357	-14.3026721	-16.67502195	-9.251284843	0.3224736	0.1926932	0.1466388	0.3446956	-5.964314
5835000000	1.047197551	3.036872899	-12.36967484	-21.20597177	-20.02403463	-12.05424237	0.2407223	0.0870365	0.0997237	0.2496249	-9.40745
5835000000	1.047197551	3.089232776	-18.84621159	-37.40548237	-22.46802706	-17.24599425	0.1142061	0.0134811	0.0752644	0.1737094	-15.38435
5835000000	1.047197551	3.141592654	-21.91534334	-22.79366717	-20.12386046	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.099557429	-3.141592654	-21.91534332	-22.79366694	-20.12386023	-23.55774208	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.099557429	-3.089232776	-17.23167545	-17.96302857	-17.81252573	-23.94593439	0.1375359	0.1264295	0.1286393	0.0634897	-12.8395
5835000000	1.099557429	-3.036872899	-16.71869365	-14.88348011	-17.42466822	-21.39504322	0.1459034	0.1802295	0.1345138	0.0851624	-11.27978
5835000000	1.099557429	-2.984513021	-15.59531682	-12.57686896	-18.59219516	-20.19233521	0.1660482	0.235048	0.1175954	0.09781	-10.21292
5835000000	1.099557429	-2.932153143	-13.01527106	-10.81955021	-18.7625956	-16.30944094	0.2234789	0.2877547	0.1153109	0.1529424	-8.184424
5835000000	1.099557429	-2.879793266	-11.83759217	-9.626777522	-16.28185807	-11.71277032	0.2559295	0.3301119	0.1534289	0.259634	-6.028384
5835000000	1.099557429	-2.827433388	-11.78037289	-9.504769156	-13.84015744	-9.131957884	0.2576211	0.3525381	0.203232	0.3494637	-4.709753
5835000000	1.099557429	-2.775073511	-11.58903532	-8.92549996	-12.9080176	-8.358121374	0.263359	0.3551178	0.2429181	0.3820269	-4.12823
5835000000	1.099557429	-2.727271363	-10.52101132	-9.21206047	-11.46430526	-8.868754025	0.297817	0.3462557	0.2671682	0.3602158	-3.934569
5835000000	1.099557429	-2.670353756	-8.870816951	-9.60904871	-11.04560957	-10.14662787	0.3601299	0.3307863	0.2803622	0.3109343	-3.861398
5835000000	1.099557429	-2.617993878	-7.815000583	-10.20947118	-10.53344274	-11.89926277	0.4066773	0.3086928	0.297391	0.2541188	-3.965891
5835000000	1.099557429	-2.565634	-8.089716396	-10.84844161	-9.675886154	-14.51422505	0.3940163	0.2867992	0.3282507	0.1880567	-4.457825
5835000000	1.099557429	-2.513274123	-9.276587224	-11.11000868	-8.939467672	-18.35876319	0.343693	0.2782913	0.3572947	0.1207986	-5.192134
5835000000	1.099557429	-2.460914245	-9.10048555	-10.79111066	-8.862596618	-17.97243062	0.3507499	0.2886895	0.3604709	0.1269298	-4.988197
5835000000	1.099557429	-2.408554368	-7.04809198	-10.01579588	-9.48108165	-13.93366214	0.4442172	0.3156532	0.3381385	0.2010559	-3.747983
5835000000	1.099557429	-2.35619449	-5.490669524	-8.965027581	-9.801752671	-11.32423251	0.531455	0.3562449	0.3235284	0.2715116	-2.599301
5835000000	1.099557429	-2.303834613	-5.393124763	-7.939035468	-9.371488717	-9.676857353	0.537457	0.4009112	0.3399582	0.328214	-1.902766
5835000000	1.099557429	-2.251474735	-7.004986268	-7.242173763	-8.992743387	-8.408774757	0.4464272	0.4343745	0.3551099	0.3798055	-1.853293
5835000000	1.099557429	-2.199114858	-9.735315226	-6.909233108	-9.649607834	-7.499910094	0.3260125	0.4513759	0.3292453	0.4217009	-2.336231
5835000000	1.099557429	-2.14675498	-9.82800381	-6.667973441	-11.05950434	-7.10571					

5835000000	1.099557429	0.575958653	-1.797158784	1.097656478	-3.22129537	1.176839707	0.8130964	1.1347046	0.6901369	1.1450962	5.5362054
5835000000	1.099557429	0.628318531	-2.481844224	0.860695617	-2.412669526	0.866299687	0.7514633	1.104167	0.7574693	1.1048797	5.5835395
5835000000	1.099557429	0.680678408	-3.028235529	0.802360434	-2.75832512	1.153621967	0.7056482	1.0907762	0.7279195	1.1420394	5.2783603
5835000000	1.099557429	0.733038286	-3.288630985	1.006826302	-4.408768958	1.832594434	0.6848074	1.1229003	0.6019516	1.2348941	5.2122863
5835000000	1.099557429	0.785398163	-3.406003712	1.371711552	-7.35288351	2.323508625	0.6756158	1.1710773	0.4288998	1.3066986	5.0626187
5835000000	1.099557429	0.837758041	-3.756094143	1.733719717	-11.54303207	2.328858514	0.6489262	1.2209166	0.2647576	1.3075037	4.7158799
5835000000	1.099557429	0.890117919	-4.297691488	2.027528213	-16.67738211	1.930955131	0.6096989	1.2629217	0.146599	1.2489578	4.2655123
5835000000	1.099557429	0.942477796	-4.35021188	2.30275204	-17.27618071	1.424554442	0.6060234	1.3035797	0.136833	1.1782236	4.1490782
5835000000	1.099557429	0.994837674	-3.537804911	2.619010843	-12.45402046	0.999004586	0.6654413	1.3519186	0.238391	1.1218899	4.5516693
5835000000	1.099557429	1.047197551	-2.575794515	2.944225068	-7.313989563	0.535671654	0.7433797	1.4034962	0.3494625	1.036129	5.0082794
5835000000	1.099557429	1.09557429	-2.075110103	3.172001005	-9.485966514	-0.164344298	0.787489	1.4407879	0.4223784	0.981257	5.1821072
5835000000	1.099557429	1.151917306	-1.906725937	3.211837153	-7.00235152	-1.062192348	0.8029042	1.447411	0.4465627	0.8848922	5.0613534
5835000000	1.099557429	1.204277184	-1.635024256	3.044829648	-7.09481624	-1.819254801	0.8284166	1.4198468	0.4418341	0.8110306	4.86356
5835000000	1.099557429	1.256637061	-1.133780912	2.718993373	-2.716307924	-2.149919701	0.877629	1.3675703	0.435697	0.7807357	4.765018
5835000000	1.099557429	1.308996939	-0.64311843	2.297350392	-7.301769266	-2.209017419	0.9286329	1.3027693	0.4314312	0.7754417	4.7062125
5835000000	1.099557429	1.361356817	-0.48279656	1.79398365	-7.717230967	-2.321254448	0.9459326	1.2294169	0.4112808	0.765486	4.4857817
5835000000	1.099557429	1.413716694	-0.814373384	1.162887979	-8.600976133	-2.577823452	0.9105029	1.1432584	0.3714935	0.7432054	3.996365
5835000000	1.099557429	1.466076572	-1.506515342	0.353053399	-9.366107734	-2.741559058	0.8407993	1.0414842	0.3401689	0.7293266	3.3810767
5835000000	1.099557429	1.518436449	-2.209537063	-0.634573385	-9.117149995	-2.511417986	0.7753953	0.929457	0.35006	0.7489091	2.9346856
5835000000	1.099557429	1.57096327	-2.556028923	-1.744324081	-8.180067274	-2.04990255	0.7450725	0.8180474	0.3899417	0.7897777	2.7434392
5835000000	1.099557429	1.623156204	-2.533085673	-2.916956657	-4.777148353	-1.887642275	0.7470432	0.7174767	0.4228074	0.8046701	2.527208
5835000000	1.099557429	1.675516082	-2.674630757	-4.108396672	-7.740656397	-2.366073166	0.7349681	0.6231322	0.4263509	0.7615464	2.0965594
5835000000	1.099557429	1.72787596	-3.427603128	-5.160475734	-9.747301022	-3.264415638	0.6739378	0.5520772	0.4005299	0.6867192	1.2637922
5835000000	1.099557429	1.780235837	-4.505543938	-5.69572592	-8.711508716	-3.645936924	0.5952821	0.5190554	0.366796	0.6572085	0.580943
5835000000	1.099557429	1.832595715	-4.743310367	-5.559394012	-8.854323099	-3.10765842	0.5792079	0.5272666	0.3608144	0.6945851	0.6955643
5835000000	1.099557429	1.884955592	-3.782487097	-5.243840367	-7.954943608	-2.60349271	0.6469573	0.5467742	0.4001776	0.7410122	1.3448452
5835000000	1.099557429	1.93731547	-2.830839975	-5.33759212	-6.69204109	-2.805636359	0.7218684	0.5490943	0.4628049	0.723966	1.7611033
5835000000	1.099557429	1.989675347	-2.704262662	-6.030400539	-5.763715203	-3.414181856	0.732465	0.4994361	0.5150083	0.67498	1.6624864
5835000000	1.099557429	2.042035225	-2.042035225	-3.673701562	-6.945800404	-5.452483147	0.655111	0.4494796	0.5337966	0.6675407	1.2363147
5835000000	1.099557429	2.094395102	-5.912201977	-7.244007804	-5.795752865	-3.069621089	0.506279	0.4343098	0.5131122	0.702294	0.6523459
5835000000	1.099557429	2.14675498	-9.023572949	-6.852968228	-4.632374214	-3.050554546	0.3538518	0.4543093	0.4768495	0.7038373	-0.048569
5835000000	1.099557429	2.199114858	-9.702512693	-6.764763	-6.362546276	-3.813106948	0.327246	0.4589463	0.4806984	0.6464807	-0.39279
5835000000	1.099557429	2.251474735	-7.782074617	-7.755879657	-4.562620204	-4.742031985	0.4082219	0.4094548	0.5397454	0.5792932	-0.279284
5835000000	1.099557429	2.30834613	-6.880472253	-10.03797934	-3.637041025	-4.998431139	0.452873	0.3148481	0.5863379	0.5624429	-0.370415
5835000000	1.099557429	2.35619449	-7.461337849	-12.50446248	-5.030323344	-5.072590425	0.4235777	0.2370156	0.5603816	0.5576613	-1.018858
5835000000	1.099557429	2.408554368	-8.80866519	-12.50821245	-6.641585349	-5.98069327	0.362716	0.2639133	0.4655011	0.5023025	-2.116821
5835000000	1.099557429	2.460914245	-10.39092874	-11.55577649	-9.195903783	-7.846728475	0.3023107	0.2643694	0.3469004	0.4051945	-3.617185
5835000000	1.099557429	2.513274123	-13.57311078	-11.72396611	-12.69036051	-8.907633615	0.2095774	0.2562995	0.2319995	0.386066	-5.51872
5835000000	1.099557429	2.565634	-15.75792612	-13.14301498	-17.09335332	-8.136192696	0.1629685	0.202162	0.1397437	0.3919136	-6.793677
5835000000	1.099557429	2.617993878	-9.363735279	-14.58876327	-14.7772126	-8.087829228	0.3402618	0.1864498	0.1824481	0.3941019	-5.16703
5835000000	1.099557429	2.670353756	-5.85594765	-13.46093608	-11.07440729	-9.81466212	0.5095686	0.2123016	0.279342	0.3230479	-3.58053
5835000000	1.099557429	2.722713633	-5.345455759	-10.99818135	-10.29599468	-11.00770345	0.5404148	0.2818973	0.305633	0.2815884	-3.039092
5835000000	1.099557429	2.775073511	-7.599102045	-9.302641203	-12.09670252	-9.236982172	0.4169125	0.3426366	0.2484076	0.3452637	-3.393056
5835000000	1.099557429	2.827433388	-12.85685274	-8.698862104	-15.26765341	-7.86691546	0.2275922	0.3673304	0.1724318	0.4042539	-4.644951
5835000000	1.099557429	2.879793266	-14.19508333	-9.176561317	-15.86472828	-7.610775173	0.1950949	0.3447638	0.1609769	0.4163526	-0.535479
5835000000	1.099557429	2.932153143	-10.7238515	-10.91681993	-15.27176817	-9.721753008	0.2909427	0.2845503	0.1723501	0.4017097	-4.810021
5835000000	1.099557429	2.984513021	-10.12699372	-14.47294018	-16.49119668	-9.129307424	0.3116379	0.1889527	0.1497753	0.3495704	-6.021154
5835000000	1.099557429	3.036872899	-12.46541858	-21.48164551	-16.49413966	-12.10060164	0.2380834	0.0843175	0.1041823	0.2482961	-9.436078
5835000000	1.099557429	3.089232776	-18.82913524	-38.57804003	-22.27106281	-17.36764722	0.1144309	0.0117787	0.0769922	0.1353997	-15.42682
5835000000	1.099557429	3.141592654	-21.91534322	-22.79366694	-20.12386023	-23.55774208	0.0802108	0.0279466	0.0985841	0.0663916	-19.58072
5835000000	1.151917306	-3.141592654	-21.91534321	-22.79366734	-20.12385999	-23.55774194	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.151917306	-3.089232776	-17.89408762	-17.88090999	-27.39308836	-12.831301	0.1383101	0.127437	0.1276305	0.063146	-12.8134
5835000000	1.151917306	-3.036872899	-16.75093378	-14.76323383	-17.69307341	-21.19028076	0.1453628	0.182742	0.1304206	0.0871946	-11.2812
5835000000	1.151917306	-2.984513021	-15.82372388	-12.41672882	-18.94455549	-20.25357172	0.1617386	0.2394217	0.1129204	0.0917228	-10.29688
5835000000	1.151917306	-2.932153143	-13.23334397	-10.62014521	-18.59603034	-17.39506388	0.2179379	0.2944732	0.1175435	0.134973	-8.348602
5835000000	1.151917306	-2.879793266	-11.95215121	-9.400653227	-15.95033689	-12.76465071	0.2525762	0.3388187	0.1586621	0.230021	-6.195387
5835000000	1.151917306	-2.827433388	-11.65306398	-8.83257516	-13.95243853	-9.813346713	0.2614248	0.3617206	0.2076721	0.3230968	-4.777129
5835000000	1.151917306	-2.775073511	-11.18300801	-8.798705266	-11.652010982	-8.537986531	0.2759622	0.3631322	0.2526356	0.3741973	-3.972425
5835000000	1.151917306	-2.722713633	-10.27394497	-9.011233297	-10.81513224	-8.417043346	0.3064099	0.3543593	0.2879011	0.3794441	-3.55589
5835000000	1.151917306	-2.670353756	-9.248432654	-9.29809011	-10.2733926	-9.039350346	0.3448088	0.3428432	0.3064294	0.3532096	-3.431372
5835000000	1.151917306	-2.617993878	-8.874632386	-9.708040551	-10.07457372	-10.29534123	0.3599717	0.3270378	0.3145018	0.305656	-3.693976
5835000000	1.151917306	-2.565634	-9.980474922	-10.18205512	-9.639600959	-12.5367258	0.3169394	0.3096687	0.3296249	0.2361368	-4.492381
5835000000	1.151917306	-2.513274123	-12.68111932	-10.41648783	-9.131200338	-16.1505545	0.3222437	0.3014225	0.3494942	0.1557659	-5.688905
5835000000	1.151917306	-2.460914245	-12.80447587	-10.21191341	-9.174355703	-12.898687	0.2289687	0.308606	0.3502928	0.134345	-5.829776
5835000000	1.151917306	-2.408554368	-8.943588197	-9.594239661	-9.757447628	-13.57714087	0.3571253	0.3312508	0.3251828	0.2094802	-4.271083
5835000000	1.151917306	-2.35619449	-6.297471002	-8.654138208	-10.42784992	-10.42784992	0.4843134	0.3692367	0.3042696	0.3010284	-2.740458
5835000000	1.151917306	-2.30384613	-5.503875624	-7.666018656	-10.03113006	-8.439452337	0.5306476	0.3171219	0.3150964	0.3784664	-1.734728
5835000000	1.151917306	-2.251474735	-6.494139735	-6.95571487	-9.733780567	-7					

5835000000	1.151917306	0.471238898	-0.423923293	1.705195195	-3.709235062	2.067274816	0.9523659	1.2169136	0.6524365	1.268714	6.2147795
5835000000	1.151917306	0.523598776	-0.980787565	1.597813172	-3.903885133	1.805002547	0.8932245	1.2019618	0.6379781	1.2309775	5.9423839
5835000000	1.151917306	0.575958653	-1.648137174	1.302067556	-2.588909161	1.331675461	0.8271669	1.1617251	0.7422574	1.1656918	5.7936542
5835000000	1.151917306	0.628318531	-2.268600166	0.92232384	-1.779056796	0.934198437	0.7701406	1.1120292	0.8147928	1.1135505	5.5990691
5835000000	1.151917306	0.680678408	-2.793848599	0.683161356	-2.25507842	1.063461233	0.7249492	1.08818276	0.7713396	1.1302462	5.363044
5835000000	1.151917306	0.730308286	-3.100045297	0.783709539	-4.200727169	1.666222562	0.6998383	1.0944237	0.6165434	1.2114657	5.1590191
5835000000	1.151917306	0.785398163	-3.237381044	1.19276338	-7.816750903	2.707193446	0.68886	1.1471974	0.4065975	1.2893169	4.9397446
5835000000	1.151917306	0.837758041	-3.509220889	1.699696031	-13.3236647	2.329624462	0.6676348	1.2161434	0.2156834	1.307619	4.6270484
5835000000	1.151917306	0.890117919	-3.85409587	2.140647407	-12.20927776	2.041503061	0.6416456	1.2794767	0.1378911	1.2649552	4.4125382
5835000000	1.151917306	0.942477796	-3.650811116	2.487746187	-13.65724216	1.567148495	0.6568398	1.3316415	0.2075572	1.1977259	4.5930337
5835000000	1.151917306	0.994836764	-2.711324941	2.783415423	-10.05156822	1.076081474	0.7318697	1.3777511	0.3143559	1.1318896	4.9983085
5835000000	1.151917306	1.047197551	-1.765928176	3.041084077	-7.658573521	0.499504339	0.8160252	1.4192346	0.4140677	1.0591933	5.3631446
5835000000	1.151917306	1.099557429	-1.364161813	3.20943788	-6.369146241	-0.309649235	0.8546571	1.4470112	0.4803333	0.9649783	5.4530273
5835000000	1.151917306	1.151917306	-1.389747172	3.2134442982	-5.949203919	-1.276158909	0.8521433	1.4476786	0.5041268	0.8633603	5.2663501
5835000000	1.151917306	1.204277184	-1.365404962	3.01126341	-5.979044884	-2.000231237	0.8545348	1.4143704	0.5013578	0.7943071	5.0195433
5835000000	1.151917306	1.256637061	-1.070130603	2.619161113	-6.121041496	-2.174410157	0.8840839	1.351942	0.4942514	0.7785374	4.8826088
5835000000	1.151917306	1.308996939	-0.714385067	2.093829826	-6.323829643	-2.052493561	0.9210448	1.2725987	0.4828459	0.7895422	4.7760503
5835000000	1.151917306	1.361356817	-0.593368204	1.486776792	-6.972624547	-2.030845863	0.9339671	1.1866943	0.4480936	0.7915124	4.5068768
5835000000	1.151917306	1.413716694	-0.848444887	0.813484056	-6.323829643	-2.167503099	0.9069383	1.0981817	0.3854792	0.7791568	3.9991699
5835000000	1.151917306	1.466076572	-1.375971031	0.070737477	-9.677743194	-2.183263008	0.8534959	1.0081772	0.3281806	0.7777423	3.4275015
5835000000	1.151917306	1.518436449	-1.937339031	-0.72705378	-9.747254574	-1.839661204	0.8007993	0.9170204	0.3255647	0.80091275	3.0899214
5835000000	1.151917306	1.570796327	-2.348895752	-1.55668611	-8.609191135	-1.377820081	0.7630539	0.83592924	0.3711423	0.8533142	2.9949492
5835000000	1.151917306	1.623156204	-2.588591894	-2.445719061	-7.604515556	-1.287753857	0.7422845	0.7545952	0.4166503	0.8622085	2.8469713
5835000000	1.151917306	1.675516082	-2.920499329	-3.472874651	-7.220877639	-1.811362305	0.7144553	0.6704344	0.4354679	0.8117679	2.3855316
5835000000	1.151917306	1.72787596	-3.678890787	-4.066229242	-7.371882564	-2.132133977	0.6547198	0.5884215	0.4279626	0.7835728	1.6185757
5835000000	1.151917306	1.780235837	-4.74770985	-5.484424151	-7.713731116	-2.88819765	0.5789146	0.5318763	0.4114466	0.7171172	0.9817063
5835000000	1.151917306	1.832595715	-5.199179235	-5.649147265	-7.775904779	-2.412869376	0.5495928	0.5218463	0.4085267	0.7574545	0.9743516
5835000000	1.151917306	1.884955592	-4.313450324	-5.320585339	-7.328749669	-2.083710673	0.6085937	0.5419644	0.4300931	0.7867096	1.4646894
5835000000	1.151917306	1.93731547	-3.028821183	-5.195703194	-6.31851719	-2.380473708	0.7056006	0.5498128	0.4660231	0.7602848	1.8744601
5835000000	1.151917306	1.989675347	-2.403874524	-5.693479066	-6.104707831	-2.935944966	0.7582393	0.5191897	0.4951817	0.7131859	1.8887118
5835000000	1.151917306	2.042035225	-2.890492812	-6.736478898	-5.990693059	-2.994661481	0.7169277	0.46044832	0.5017245	0.708381	1.5381821
5835000000	1.151917306	2.094395102	-4.721455798	-7.656942139	-6.226772602	-2.701400459	0.5806671	0.4141454	0.4882715	0.7327064	0.8899377
5835000000	1.151917306	2.14675498	-7.830875675	-7.815112427	-6.284457955	-2.857580899	0.4059347	0.4066721	0.4850395	0.7196494	0.0747914
5835000000	1.151917306	2.199114858	-10.0520504	-7.776420666	-5.542068489	-3.660743458	0.3143384	0.4084877	0.5283194	0.5650891	-0.412517
5835000000	1.151917306	2.251474735	-8.875141114	-8.436704665	-4.449045944	-4.51020667	0.3599506	0.3785862	0.5991667	0.5949626	-0.297463
5835000000	1.151917306	2.303834613	-7.588302911	-9.949838131	-3.987190375	-4.846731689	0.4174312	0.3180593	0.6318885	0.7325253	-0.265769
5835000000	1.151917306	2.35619449	-7.461388169	-11.3178864	-6.632816021	-5.216321034	0.4235753	0.27171	0.5866232	0.5485092	-0.769596
5835000000	1.151917306	2.408554368	-8.126091221	-11.34313915	-6.309668133	-6.442097309	0.3923697	0.2709212	0.4836337	0.476316	-1.812942
5835000000	1.151917306	2.460914245	-9.44266557	-11.02866592	-8.56401592	-8.501237943	0.3371838	0.2809097	0.3730776	0.3757838	-3.305516
5835000000	1.151917306	2.513274123	-12.47073499	-11.56235907	-9.49284533	-9.24984533	0.2739377	0.2641691	0.2670208	0.3352415	-5.158315
5835000000	1.151917306	2.565634	-15.81955261	-13.07561566	-16.09031125	-8.759700755	0.1618163	0.2219316	0.15685	0.3647665	-6.884131
5835000000	1.151917306	2.617993878	-9.947706345	-14.29479943	-16.2050859	-8.92383926	0.3181374	0.1928976	0.154791	0.3753412	-5.82192
5835000000	1.151917306	2.670353756	-6.008161233	-12.90404397	-12.1282228	-10.76035194	0.5007165	0.226359	0.2475078	0.2897226	-3.983556
5835000000	1.151917306	2.722713633	-5.015678187	-10.51747795	-11.15800921	-11.222702049	0.5613272	0.2979381	0.2767576	0.2747039	-3.031747
5835000000	1.151917306	2.775073511	-6.628374712	-10.01099122	-13.03422632	-9.048945162	0.4662097	0.3544011	0.2229917	0.3528196	-3.120266
5835000000	1.151917306	2.827433388	-11.11459221	-8.615244808	-16.2606913	-7.680209262	0.2781444	0.3708837	0.1538032	0.4130376	-4.322865
5835000000	1.151917306	2.879793266	-14.62088025	-9.279048223	-16.29544768	-7.37103801	0.1857616	0.3435956	0.153189	0.4280043	-5.109834
5835000000	1.151917306	2.932153143	-11.442749	-11.442749	-15.39305255	-7.679699185	0.2678321	0.2770622	0.1699514	0.4130618	-4.975092
5835000000	1.151917306	2.984513021	-10.467355	-14.77606305	-16.41875121	-9.019500566	0.2996624	0.1824723	0.1510297	0.3540177	-6.132654
5835000000	1.151917306	3.036872899	-12.59313542	-21.85783022	-19.3452695	-12.16266603	0.2346082	0.0807437	0.1078292	0.2465283	-9.502872
5835000000	1.151917306	3.089232776	-18.83389965	-39.63283888	-22.07483964	-17.49577066	0.1143681	0.0104138	0.0787514	0.1334711	-15.46882
5835000000	1.151917306	3.141592654	-21.91534321	-22.79366734	-22.12385998	-23.55774194	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.151917306	3.141592654	-21.91534314	-22.79366735	-20.12386017	-23.55774218	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.151917306	3.089232776	-17.14406332	-17.84556697	-17.95389599	-24.01888733	0.1389303	0.1281509	0.126567	0.0629587	-12.82975
5835000000	1.151917306	3.036872899	-16.80403394	-14.69200552	-17.96924932	-20.95033886	0.1444769	0.1842467	0.126339	0.0896361	-11.29747
5835000000	1.151917306	2.984513021	-16.11958758	-12.32769566	-19.25965366	-20.1227254	0.1563222	0.2418885	0.1088974	0.089597	-10.37538
5835000000	1.151917306	2.932153143	-13.50877383	-10.50301416	-18.38173578	-18.47310595	0.2113355	0.2984347	0.1204795	0.1192188	-8.52785
5835000000	1.151917306	2.879793266	-12.10805529	-9.258786935	-15.73756222	-13.94104726	0.2480831	0.344398	0.163351	0.2008851	-6.404928
5835000000	1.151917306	2.827433388	-11.61019877	-8.68687646	-13.48158944	-10.56497551	0.2627181	0.3678376	0.2117974	0.2963134	-4.892669
5835000000	1.151917306	2.775073511	-10.9994857	-8.672871659	-11.58649668	-8.824112828	0.281855	0.3684312	0.263436	0.2630715	-3.904991
5835000000	1.151917306	2.722713633	-10.3193065	-8.898593411	-10.18027803	-8.26828957	0.3048138	0.3589801	0.309732	0.3859984	-3.35286
5835000000	1.151917306	2.670353756	-9.881328359	-9.140067265	-9.575272168	-8.549555505	0.3205779	0.3491376	0.3320752	0.3736992	-3.251452
5835000000	1.151917306	2.617993878	-10.15773535	-9.428855818	-9.615627503	-9.562911807	0.3105369	0.3377203	0.3305342	0.3325481	-3.666297
5835000000	1.151917306	2.565634	-12.0268067	-9.747209796	-9.63255582	-11.51896565	0.2504146	0.3255663	0.3302457	0.2654922	-4.644131
5835000000	1.151917306	2.513274123	-16.3506146	-9.88054381	-9.307147572	-14.74480865	0.1522191	0.3206609	0.3424858	0.18313	-6.034144
5835000000	1.151917306	2.460914245	-15.94611745	-9.701687307	-9.280018124	-17.29807242	0.1594756	0.3272771	0.3435572	0.1366025	-6.312857
5835000000	1.151917306	2.408554368	-10.21357923	-9.233918463	-9.95675081	-14.17849795	0.3085468	0.3435855	0.3178063	0.1954677	-4.677648
5835000000	1.151917306	2.35619449	-6.963750633	-8.50							

5835000000	1.204277184	0.366519143	-0.442246843	1.545776328	-0.836004335	2.134397158	0.9503589	1.1947824	0.9082382	1.2785563	6.7130405
5835000000	1.204277184	0.41887902	-0.176581019	1.841638022	-2.198666351	2.131404468	0.9798756	1.2361805	0.7763663	1.2781159	6.5890525
5835000000	1.204277184	0.471238898	-0.389840989	1.977034278	-2.096666341	2.096666341	0.9561102	1.2556012	0.6587775	1.2730144	6.3267537
5835000000	1.204277184	0.523598776	-0.946389787	1.904216759	-3.736964327	1.912663825	0.8967688	1.2451189	0.6778784	1.2463304	6.1625939
5835000000	1.204277184	0.575958653	-1.58039568	1.60240059	-1.971920533	1.507809539	0.8336432	1.2025968	0.7969019	1.1895713	6.0697815
5835000000	1.204277184	0.628318531	-2.125753333	1.147534776	-1.240324899	1.082190522	0.7821099	1.1412394	0.8666294	1.132686	5.8354614
5835000000	1.204277184	0.680678408	-2.581988446	0.756638043	-1.817763439	1.046404204	0.7428491	1.091018	0.8111699	1.1280289	5.5132876
5835000000	1.204277184	0.73038286	-2.841978434	0.699193089	-3.887481092	1.492053068	0.7209432	1.0382862	0.6391841	1.1874155	5.1808074
5835000000	1.204277184	0.785398163	-2.879942504	1.049888931	-7.626738762	2.012202288	0.717799	1.1284815	0.4155881	1.2606952	4.9165776
5835000000	1.204277184	0.837758041	-2.95625845	1.61231561	-12.60730432	2.232066073	0.7115199	1.2039698	0.2342258	1.2930142	4.7147588
5835000000	1.204277184	0.890117919	-3.060923454	2.157000085	-14.31580529	2.090384322	0.7029976	1.2809583	0.1924021	1.272094	4.7318838
5835000000	1.204277184	0.942477796	-2.710171412	2.560241948	-12.26566966	1.735063679	0.7319669	1.3428024	0.243622	1.2211055	4.9582304
5835000000	1.204277184	0.994837674	-1.79208784	2.846559633	-10.11903813	1.290898319	0.8135713	1.3878035	0.3119235	1.1602322	5.2810731
5835000000	1.204277184	1.047197551	-0.920826664	3.038731774	-8.119830954	0.710928372	0.899412	1.4188503	0.3926526	1.0852915	5.5663965
5835000000	1.204277184	1.099557429	-0.584138527	3.128085583	-6.467934901	-0.114752768	0.9349601	1.4335217	0.4749012	0.9868755	5.6439618
5835000000	1.204277184	1.151917306	-0.722126696	3.065770573	-5.225951912	-1.115922868	0.9202242	1.423274	0.5479014	0.8794352	5.5081504
5835000000	1.204277184	1.204277184	-0.894741479	2.801167686	-4.253811075	-1.916412454	0.9021171	1.3805698	0.6127869	0.8020093	5.337524
5835000000	1.204277184	1.256637061	-0.813889665	2.319102592	-3.509838636	-2.171168567	0.9105536	1.3060359	0.6675873	0.778828	5.25615
5835000000	1.204277184	1.308996939	-0.630861654	1.650126832	-3.165330753	-2.071976488	0.9299443	1.2092228	0.6945979	0.7877732	5.1572614
5835000000	1.204277184	1.361356817	-0.599050691	0.854954325	-3.456293055	-2.009717002	0.9333563	1.1034374	0.6717155	0.7934401	4.8655972
5835000000	1.204277184	1.413716694	-0.819262696	0.002528827	-4.511698697	-2.053099038	0.9099905	1.0029212	0.5948604	0.7894871	4.335531
5835000000	1.204277184	1.466076572	-1.200309422	-0.836197823	-6.187710403	-1.963037351	0.8709326	0.908218	0.4904723	0.7977157	3.7146344
5835000000	1.204277184	1.518436449	-1.583508731	-1.588023085	-7.809695982	-1.598769128	0.8333445	0.8329115	0.4069258	0.8318816	3.2425123
5835000000	1.204277184	1.57096327	-1.935306364	-2.22423982	-8.470194405	-1.235514706	0.8002666	0.7740839	0.3771293	0.8674097	2.9806099
5835000000	1.204277184	1.623156204	-2.30701595	-2.841949541	-8.32063426	-1.291159748	0.7667419	0.7209456	0.3836792	0.8618705	2.7129468
5835000000	1.204277184	1.675516082	-2.787929618	-3.63328235	-8.118878008	-1.90596699	0.7254434	0.65817	0.3926957	0.8029715	2.2093718
5835000000	1.204277184	1.72787596	-3.531579703	-4.697335416	-8.11301013	-2.653912172	0.6659184	0.5822818	0.392961	0.7367233	1.5032153
5835000000	1.204277184	1.780235837	-4.521783952	-5.800162222	-8.125365076	-2.735398587	0.5941701	0.5128185	0.3924025	0.729844	0.9426475
5835000000	1.204277184	1.832595715	-5.192573373	-6.339360883	-7.928843059	-2.241139144	0.5500109	0.4819833	0.401382	0.77725793	0.8513347
5835000000	1.204277184	1.884955592	-4.675218095	-6.095835062	-7.487070407	-2.000713451	0.5837664	0.4956878	0.4223247	0.794263	1.1899863
5835000000	1.204277184	1.93731547	-3.329169898	-5.704402134	-6.949536233	-2.305511786	0.6816187	0.5185372	0.4492863	0.7668747	1.6424779
5835000000	1.204277184	1.989675347	-2.378905585	-5.782186002	-6.554747474	-2.719315203	0.7604221	0.5139143	0.4701783	0.7311967	1.8534006
5835000000	1.204277184	2.042035225	-2.53273862	-6.440618201	-6.745015109	-2.691804943	0.747073	0.4763917	0.4745142	0.7335163	1.6698878
5835000000	1.204277184	2.094395102	-4.05019323	-7.286224206	-6.607111567	-2.522541746	0.6273217	0.432204	0.467643	0.7479506	1.1194837
5835000000	1.204277184	2.14675498	-6.849141049	-7.738843756	-6.433083305	-2.843253728	0.4545095	0.4102587	0.4768105	0.7208374	0.266926
5835000000	1.204277184	2.199114858	-9.53286056	-7.868115562	-5.616519808	-3.595305025	0.3337006	0.4041981	0.5238103	0.6534837	-0.376351
5835000000	1.204277184	2.251474735	-9.469422022	-8.269570155	-4.700921409	-4.518758518	0.3361467	0.3859451	0.5820415	0.5943771	-0.452357
5835000000	1.204277184	2.303834613	-8.166144119	-9.164099255	-4.488231224	-4.984076302	0.3905645	0.348173	0.5964697	0.5653732	-0.45202
5835000000	1.204277184	2.35619449	-7.388291847	-10.15794787	-5.323427451	-5.636493729	0.4271549	0.3105293	0.5417871	0.5226071	-0.905126
5835000000	1.204277184	2.408554368	-7.394711539	-10.77084039	-6.967856358	-7.145209134	0.4268393	0.289373	0.4483397	0.4932781	-1.917433
5835000000	1.204277184	2.460914245	-8.007082879	-11.23742743	-7.81255691	-9.328704734	0.3798795	0.2742386	0.3638624	0.3416369	-3.352265
5835000000	1.204277184	2.513274123	-11.11671751	-12.12897591	-11.01199134	-10.04311888	0.2780764	0.2474863	0.2814495	0.3146618	-5.023627
5835000000	1.204277184	2.565634	-14.6984996	-13.58445723	-14.98155697	-9.163585394	0.184109	0.2093038	0.1782059	0.3481936	-6.746616
5835000000	1.204277184	2.617993878	-10.43877112	-14.38225748	-16.60211794	-9.441173658	0.3006502	0.1909357	0.1478748	0.3372417	-6.225355
5835000000	1.204277184	2.670353756	-6.286333477	-12.72042616	-13.06689627	-11.1781019	0.4894348	0.2311951	0.2221545	0.2761181	-4.333346
5835000000	1.204277184	2.722713633	-4.848905114	-10.41069797	-12.139279137	-10.99075942	0.5722091	0.3016234	0.2471931	0.2821383	-3.078432
5835000000	1.204277184	2.775073511	-5.862904378	-9.056204679	-14.11669699	-8.704421561	0.5091606	0.3525249	0.1968635	0.3670954	-2.940376
5835000000	1.204277184	2.827433388	-9.531292789	-8.82238533	-17.16811867	-7.395396175	0.3337608	0.3621478	0.138546	0.4268057	-0.004505
5835000000	1.204277184	2.879793266	-14.05495676	-9.620175418	-16.63992156	-7.079612214	0.1982678	0.3303629	0.1472326	0.4426081	-0.548102
5835000000	1.204277184	2.932153143	-12.09330594	-11.56737985	-15.60121725	-7.441131132	0.4825048	0.2640165	0.1659354	0.4245643	-5.168925
5835000000	1.204277184	2.984513021	-10.83724601	-15.22104235	-16.45683584	-8.934142808	0.2871691	0.1733596	0.150369	0.3575138	-6.299401
5835000000	1.204277184	3.036872899	-12.74912164	-22.34045634	-19.1202153	-12.24512887	0.2304326	0.0763796	0.1106596	0.2441988	-9.607763
5835000000	1.204277184	3.089232776	-18.85949316	-40.30115013	-21.8827652	-17.63035937	0.1140316	0.0096477	0.0805122	0.1313657	-15.50527
5835000000	1.204277184	3.141592654	-22.79366735	-22.79366735	-20.12386017	-23.55774218	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.256637061	-3.141592654	-21.91534317	-22.79366735	-20.12386048	-23.55774196	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.256637061	-3.089232776	-17.11502445	-17.81750885	-18.02918843	-24.02072072	0.1393955	0.1285655	0.1254702	0.0629454	-12.84317
5835000000	1.256637061	-3.036872899	-16.87265702	-14.67054331	-18.24498498	-20.68492736	0.1433399	0.1847205	0.1223914	0.0924714	-11.32698
5835000000	1.256637061	-2.984513021	-16.46788595	-12.31325438	-19.51170311	-19.8015338	0.1501778	0.242291	0.1057827	0.1023212	-10.44943
5835000000	1.256637061	-2.932153143	-13.82565982	-10.47516808	-18.11860043	-19.25020666	0.2035715	0.299393	0.1241852	0.108993	-8.681359
5835000000	1.256637061	-2.879793266	-12.30783943	-9.21271496	-15.51742616	-15.03446377	0.2424421	0.3462294	0.1675439	0.1717238	-6.61891
5835000000	1.256637061	-2.827433388	-11.67332782	-8.63515636	-13.35404538	-11.24726038	0.2608156	0.3700345	0.2149303	0.2379283	-5.038498
5835000000	1.256637061	-2.775073511	-11.00508879	-8.635438643	-11.27268363	-9.15053216	0.2816732	0.3700224	0.2731277	0.2487172	-3.920344
5835000000	1.256637061	-2.722713633	-10.55059759	-8.8916764	-9.646820596	-8.370367187	0.2968043	0.3592662	0.329351	0.3814887	-3.305802
5835000000	1.256637061	-2.670353756	-10.63493619	-9.151844389	-9.530863369	-9.277055	0.2939363	0.3486645	0.3543363	0.3745043	-3.277055
5835000000	1.256637061	-2.617993878	-11.45838596	-9.405619347	-8.281150338	-9.412705058	0.2673503	0.338625	0.3435125	0.3383489	-3.823384
5835000000	1.256637061	-2.565634	-13.60573542	-9.628149814	-9.659574088	-11.01114799	0.2087917	0.3300597	0.3288678	0.2814768	-4.812178
5835000000	1.256637061	-2.513274123	-16.98549404	-9.662856693	-9.492247831	-13.47172326	0.1414899	0.3287435	0.3352645	0.2120381	-5.869605
5835000000	1.256637061	-2.460914245	-9.446298124	-9.4							

5835000000	1.256637061	0.261799388	-1.966036774	0.616519377	-0.201241149	1.96671627	0.7974403	1.0735591	0.9770976	1.2541105	6.2397526
5835000000	1.256637061	0.314159265	-1.141881903	1.196232204	-0.349460335	2.068374199	0.8768108	1.1476557	0.9605655	1.2688746	6.5551591
5835000000	1.256637061	0.366519143	-0.420964125	1.68995071	-1.030862522	2.084075971	0.9526904	1.2147797	0.8880898	1.2711705	6.7025968
5835000000	1.256637061	0.41887902	-0.170513276	2.049837194	-2.282283641	2.081159767	0.9805604	1.2661695	0.7688283	1.2707438	6.6212579
5835000000	1.256637061	0.471238898	-0.4138992	2.237583834	-3.334800035	2.079935238	0.9534656	1.2938359	0.681177	1.2705646	6.4424069
5835000000	1.256637061	0.523598776	-0.990188162	2.209087959	-2.800928712	1.973786349	0.8922583	1.2895981	0.7243585	1.2551318	6.3640781
5835000000	1.256637061	0.575958653	-1.594844147	1.942268097	-1.457281527	1.668117848	0.8322576	1.2505885	0.8455434	1.2117301	6.3196518
5835000000	1.256637061	0.628318531	-2.05069721	1.492781184	-0.828416565	1.281882503	0.7897055	1.1875149	0.909032	1.1590285	6.1183737
5835000000	1.256637061	0.680678408	-2.407229588	1.04189591	-1.441683204	1.137491256	0.7579464	1.1244385	0.8470632	1.1399205	5.7389454
5835000000	1.256637061	0.730308286	-2.574396672	0.855474226	-2.372622551	1.400560391	0.7434986	1.1030535	0.6739363	1.1749734	5.3338321
5835000000	1.256637061	0.785398163	-2.46284437	1.081114492	-6.739719059	1.829328019	0.7531089	1.1325457	0.4602715	1.2344298	5.0579239
5835000000	1.256637061	0.837758041	-2.313082782	1.594742582	-10.43343653	2.099810104	0.7662066	1.2015369	0.3008349	1.2734752	4.9645027
5835000000	1.256637061	0.890117919	-2.200491967	2.151345698	-12.20845362	2.114234834	0.7762032	1.2810536	0.2452321	1.2755919	5.0524026
5835000000	1.256637061	0.942477796	-1.780801497	2.59046532	-12.8284182	1.95555014	0.8146291	1.3474829	0.2283385	1.2524993	5.2084639
5835000000	1.256637061	0.994837674	-0.95579394	2.87003575	-13.13807369	1.691158222	0.8957984	1.3915595	0.2203415	1.2149486	5.3964398
5835000000	1.256637061	1.047197551	-0.193279861	3.005906474	-11.11446828	1.261975234	0.9779936	1.4134984	0.2781484	1.1563752	5.6343348
5835000000	1.256637061	1.099557429	0.091253668	3.010645829	-7.858004496	0.566165966	1.0105613	1.4142699	0.4046689	1.0673535	5.7936819
5835000000	1.256637061	1.151917306	-0.086367577	2.866389368	-5.087315785	-0.369065591	0.9901058	1.3909755	0.5567167	0.9583998	5.7922199
5835000000	1.256637061	1.204277184	-0.354278493	2.53460146	-3.027187192	-1.287786943	0.9600328	1.3388443	0.7057333	0.8622052	5.7264695
5835000000	1.256637061	1.256637061	-0.423541111	1.982490845	-1.640314728	-1.873610367	0.9524078	1.2563902	0.8279122	0.8059711	5.6720874
5835000000	1.256637061	1.299396939	-0.411534191	1.202929746	-0.944558955	-2.114478157	0.9537253	1.148541	0.8969579	0.7389278	5.5364758
5835000000	1.256637061	1.361356817	-0.517891256	0.222808478	-0.991026905	-2.239345998	0.9421183	1.0295366	0.8921721	0.7727388	5.1847387
5835000000	1.256637061	1.413716694	-0.761902438	-0.889084767	-1.808071243	-2.329714687	0.9160198	1.0920708	0.8120756	0.7647408	4.5975797
5835000000	1.256637061	1.466076572	-1.030893634	-2.004281839	-3.3091265	-2.256244416	0.8808866	0.7939368	0.6814812	0.7172369	3.9034345
5835000000	1.256637061	1.518436449	-1.235098619	-2.93564458	-5.29921523	-2.002092535	0.8674512	0.7132106	0.5438004	0.7941369	3.2828996
5835000000	1.256637061	1.570796327	-1.470750425	-3.553955207	-7.14388307	-1.856295152	0.8442333	0.6642052	0.4393452	0.8075794	2.7829766
5835000000	1.256637061	1.623156204	-1.874917579	-3.874340564	-8.365582845	-2.140373764	0.8058498	0.6322824	0.3816989	0.7815942	2.2854355
5835000000	1.256637061	1.675516082	-2.434476388	-4.502254636	-8.921599678	-2.836930153	0.7555726	0.5995057	0.3580305	0.7213624	1.6932161
5835000000	1.256637061	1.72787596	-3.12302921	-5.366575147	-9.898496625	-3.334546331	0.6979889	0.5391024	0.3552427	0.6811969	1.1134175
5835000000	1.256637061	1.780235837	-3.95679827	-6.498215439	-8.647456277	-3.013163163	0.6341034	0.4732485	0.3695108	0.7068377	0.7634046
5835000000	1.256637061	1.832595715	-4.713250342	-7.366219261	-8.065881605	-2.375802924	0.5812159	0.4282418	0.3950672	0.7606938	0.689435
5835000000	1.256637061	1.884955592	-4.659826829	-7.353895311	-7.453851132	-2.151047133	0.5848017	0.4288498	0.423943	0.7806343	0.8995271
5835000000	1.256637061	1.93731547	-3.51279053	-6.757139564	-6.892994385	-2.375141116	0.6673605	0.4593493	0.4522205	0.7607571	1.3625367
5835000000	1.256637061	1.989675347	-2.404576486	-6.325475033	-6.478798089	-2.561762342	0.758178	0.4827544	0.4743076	0.7445809	1.7974699
5835000000	1.256637061	2.042035225	-2.33455948	-6.350889365	-6.362421669	-2.417737649	0.7643144	0.4813443	0.4807053	0.75703	1.8803126
5835000000	1.256637061	2.094395102	-3.606503946	-6.679789105	-6.528390614	-2.346418136	0.6601989	0.4634582	0.4716072	0.7632716	1.4322499
5835000000	1.256637061	2.14675948	-6.022800595	-7.02943354	-6.61556087	-2.798343773	0.4998733	0.4451725	0.4668979	0.7245741	0.5735307
5835000000	1.256637061	2.199114858	-8.496793875	-7.350036406	-6.239504321	-3.70122336	0.3759762	0.2920404	0.4875563	0.6530386	-0.239478
5835000000	1.256637061	2.251474735	-9.256695786	-7.86415469	-6.699460564	-4.56946424	0.344481	0.4043824	0.5188323	0.5909174	-0.63682
5835000000	1.256637061	2.303834613	-8.379829754	-8.762510064	-6.959064586	-5.194421678	0.3810733	0.3646486	0.5190446	0.5498939	-0.844693
5835000000	1.256637061	2.35619449	-7.185985723	-10.01720878	-6.556653633	-6.032169636	0.4372207	0.3156019	0.4700752	0.4993344	-1.298766
5835000000	1.256637061	2.408554368	-6.674661845	-11.41069393	-7.925990457	-6.739639296	0.4637318	0.2688223	0.4015156	0.4149713	-2.219341
5835000000	1.256637061	2.460914245	-7.417335095	-12.69375977	-9.172017065	-9.752138791	0.425729	0.203396	0.3478557	0.3253817	-3.537872
5835000000	1.256637061	2.513274123	-9.788814967	-13.83478043	-10.82704992	-10.14619146	0.3240106	0.231597	0.2875064	0.3109499	-4.991184
5835000000	1.256637061	2.565634	-13.01877439	-14.92824265	-14.0122869	-9.09556703	0.2233887	0.1793031	0.1992442	0.3509309	-6.439954
5835000000	1.256637061	2.617993878	-15.0107928	-15.0107928	-15.99733889	-9.288457888	0.2924507	0.1776071	0.158538	0.3432236	-6.268889
5835000000	1.256637061	2.670353756	-6.658696572	-12.98338863	-13.76892964	-10.72327115	0.464585	0.2243007	0.2049055	0.2909621	-4.548042
5835000000	1.256637061	2.722713633	-4.827321576	-10.69148645	-13.16899104	-10.30623256	0.5736327	0.2920288	0.2195586	0.305273	-3.157223
5835000000	1.256637061	2.775073511	-5.282172719	-9.437340714	-15.13064611	-8.2464073	0.5443665	0.3373906	0.1751732	0.3869721	-2.829843
5835000000	1.256637061	2.827433388	-8.205717781	-9.318269772	-17.5155172	-7.061147231	0.3887891	0.3420476	0.1331141	0.3443501	-3.69176
5835000000	1.256637061	2.879793266	-12.83311131	-10.20582507	-16.75387547	-6.781030109	0.2282151	0.3088224	0.1453136	0.4580876	-4.879161
5835000000	1.256637061	2.932153143	-12.932153143	-12.18445844	-15.84800662	-7.231797599	0.2352751	0.2459105	0.1606201	0.4349207	-5.378492
5835000000	1.256637061	2.984513021	-11.21973803	-15.8174627	-16.6048899	-8.88491344	0.2747977	0.1618553	0.1478276	0.3959459	-6.520917
5835000000	1.256637061	3.036872899	-12.92923074	-22.93450731	-18.96140474	-12.3525365	0.2257036	0.0713304	0.1127015	0.2411977	-9.749871
5835000000	1.256637061	3.089232776	-18.90478865	-40.335395	-21.69715379	-17.77128598	0.1134385	0.0096212	0.0822512	0.1292515	-15.53105
5835000000	1.256637061	3.141592654	-21.91534317	-22.79366735	-20.12386048	-23.55774196	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.256637061	3.141592654	-21.91534335	-22.79366733	-20.12385991	-23.55774195	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.256637061	3.089232776	-17.09574326	-17.09574326	-18.10623412	-23.99608548	0.1397053	0.1286791	0.1243618	0.0631242	-12.84377
5835000000	1.256637061	3.036872899	-16.95106678	-14.69936774	-18.51046852	-20.40317771	0.1420518	0.1840906	0.1187071	0.0954643	-11.36768
5835000000	1.256637061	2.984513021	-16.85202056	-12.37616356	-19.67330777	-19.33252593	0.1436809	0.2405425	0.1038328	0.1079876	-10.51504
5835000000	1.256637061	2.932153143	-14.71237256	-10.54139282	-17.80247149	-19.40220158	0.1956056	0.297119	0.1287883	0.1071248	-8.770367
5835000000	1.256637061	2.879793266	-12.56143922	-9.26993261	-15.31576349	-15.6802661	0.2354659	0.3439564	0.1714793	0.1644321	-6.78901
5835000000	1.256637061	2.827433388	-11.85691393	-8.689524358	-13.28474665	-11.64630067	0.2535608	0.3677255	0.216652	0.1626284	-5.18196
5835000000	1.256637061	2.775073511	-11.15432718	-8.700723096	-11.05561428	-9.379758943	0.2768749	0.3672517	0.2800395	0.3396347	-3.987027
5835000000	1.256637061	2.722713633	-10.8547399	-8.995979403	-9.254951575	-8.578820347	0.2865913	0.3549777	0.3445501	0.3724423	-3.359015
5835000000	1.256637061	2.670353756	-11.36553561	-9.324391958	-5.98123531	-8.779103679	0.2702236	0.3418066	0.3716155	0.3639526	-3.429391
5835000000	1.256637061	2.617993878	-12.65276276	-9.623506517	-6.460389487	-9.557484201	0.2330032	0.3302362	0.3529234	0.3327559	-4.089916
5835000000	1.256637061	2.565634	-14.64051571	-9							

5835000000	1.308996939	0.157079633	-1.267313907	-0.360149224	-0.959591924	1.471600771	0.8642399	0.9593841	0.895369	1.1846227	5.8087412
5835000000	1.308996939	0.20943951	-2.180338545	0.035700846	-0.419897391	1.757368879	0.7780062	1.0041187	0.9528074	1.2242453	5.9314998
5835000000	1.308996939	0.261799388	-2.024138274	0.636452297	-0.272057861	1.944087669	0.7921238	1.0760256	0.9691636	1.2508476	6.2099592
5835000000	1.308996939	0.314159265	-1.124445954	1.272400844	-0.514622465	2.029128479	0.8785727	1.157765	0.9424727	1.2631544	6.5307412
5835000000	1.308996939	0.366519143	-0.400973511	1.826150089	-1.198681222	2.02747416	0.9548856	1.2339782	0.8710958	1.2628081	6.6946381
5835000000	1.308996939	0.41887902	-0.194877212	2.234281242	-2.252931633	2.010063018	0.9778137	1.293344	0.7715311	1.2603848	6.6549576
5835000000	1.308996939	0.471238898	-0.495662582	2.456799864	-2.930139151	2.019461336	0.9445324	1.3269055	0.7136628	1.2617493	6.5407385
5835000000	1.308996939	0.523598776	-1.105253948	2.461712776	-2.281440654	1.971449316	0.8805161	1.3276562	0.7690029	1.2547941	6.5102503
5835000000	1.308996939	0.575958653	-1.671321486	2.239123443	-1.091065585	1.766379866	0.824962	1.2940652	0.8819556	1.225516	6.4990151
5835000000	1.308996939	0.628318531	-2.018546163	1.83794383	-0.566353114	1.464198359	0.792634	1.2356459	0.9368765	1.1836135	6.3738059
5835000000	1.308996939	0.680678408	-2.268260486	1.400984473	-1.150290507	1.293210948	0.7701707	1.1750307	0.8759624	1.1605412	5.9807816
5835000000	1.308996939	0.733038286	-2.353788643	1.145358536	-2.898291781	1.41451047	0.7626242	1.1409535	0.7162843	1.176862	5.5675803
5835000000	1.308996939	0.785398163	-2.120370723	1.231251409	-5.576046106	1.709185166	0.7833962	1.1522921	0.5262568	1.2174728	5.2949822
5835000000	1.308996939	0.837758041	-1.78639869	1.617436979	-8.359647281	1.948390633	0.8141043	1.2046804	0.3819598	1.2514674	5.2305194
5835000000	1.308996939	0.890117919	-1.508870258	2.111500011	-10.52368926	2.045935197	0.8405363	1.2751903	0.2977252	1.2656009	5.2941201
5835000000	1.308996939	0.942477796	-1.055308362	2.535495501	-1.39747377	2.046043681	0.8855938	1.3389821	0.2138584	1.2656167	5.3259393
5835000000	1.308996939	0.994837674	-0.33256853	2.800439791	-20.01021089	1.962116579	0.9624354	1.3804475	0.0998825	1.2534466	5.3345374
5835000000	1.308996939	1.047197551	0.309429213	2.887139803	-17.7271651	1.70342767	1.0362665	1.3943024	0.1299098	1.216666	5.5226727
5835000000	1.308996939	1.099557429	0.535929799	2.807546078	-10.10798042	1.15876283	1.0636445	1.381584	0.3123209	1.1427156	5.8012822
5835000000	1.308996939	1.151917306	0.355132037	2.575237393	-5.865645131	0.325264745	1.0417334	1.3451226	0.509	1.0381575	5.8761169
5835000000	1.308996939	1.204277184	0.083578422	2.189075522	-3.163383034	-0.29227434	1.0096688	1.2866303	0.6947573	0.9297231	5.8468484
5835000000	1.308996939	1.256637061	-0.037134561	1.62853482	-1.4542069	-1.475831556	0.9957339	1.206219	0.8458428	0.8437396	5.7818195
5835000000	1.308996939	1.308996939	-0.152902985	0.860794862	-0.580338483	-2.0748839	0.9825504	1.1041797	0.9353692	0.7875095	5.5970078
5835000000	1.308996939	1.361356817	-0.432602524	-0.140717148	-0.509274627	-2.458890463	0.9514147	0.9839299	0.9430588	0.734518	5.1819705
5835000000	1.308996939	1.413716694	-0.770671435	-1.36312876	-1.237019799	-2.6768231	0.9150955	0.8547588	0.8672594	0.7347826	4.5368841
5835000000	1.308996939	1.466076572	-0.966999907	-2.696529662	-2.732015955	-2.730401531	0.8946435	0.7331174	0.7308853	0.7302641	3.7755057
5835000000	1.308996939	1.518436449	-0.992517816	-3.87895939	-4.809171512	-2.72489378	0.892019	0.6398115	0.5748326	0.3707273	3.037782
5835000000	1.308996939	1.570796327	-1.084618662	-4.611412349	-7.12806839	-2.918337462	0.8826105	0.5880705	0.4401458	0.7146331	2.3635077
5835000000	1.308996939	1.623156204	-1.47236978	-4.904479452	-9.115342826	-3.441448211	0.840759	0.5685596	0.3501328	0.6728645	1.7116366
5835000000	1.308996939	1.675516082	-2.075939007	-5.112933693	-10.24237467	-3.953476481	0.7874139	0.5550771	0.3075256	0.634346	1.1547006
5835000000	1.308996939	1.72787596	-2.693528857	-5.564136297	-10.2543858	-3.748285643	0.7333707	0.5296788	0.3071006	0.6495098	0.8945572
5835000000	1.308996939	1.780235837	-3.332228374	-6.339917194	-9.418884087	-2.875259865	0.6813787	0.4819524	0.3381083	0.7181861	0.9049943
5835000000	1.308996939	1.832595715	-4.041967204	-7.201050967	-8.397586646	-2.151024511	0.6279161	0.436463	0.380295	0.7806364	0.9272126
5835000000	1.308996939	1.884955592	-4.343361514	-7.622997891	-10.197814122	-1.971831472	0.6056016	0.4157671	0.4175696	0.7969084	0.9171362
5835000000	1.308996939	1.93731547	-3.511561324	-7.343102993	-6.985244941	-2.126189773	0.6674549	0.429383	0.447443	0.7828716	1.315897
5835000000	1.308996939	1.989675347	-2.357805074	-6.749082531	-6.58890633	-2.175861889	0.7622716	0.4597756	0.4694125	0.784073	1.8328715
5835000000	1.308996939	2.042035225	-2.122547914	-6.294175729	-6.466633717	-2.048950962	0.7831999	0.4844491	0.4749724	0.7898642	2.0505044
5835000000	1.308996939	2.094395102	-3.185154959	-6.150188174	-6.751022128	-2.122050305	0.6930144	0.4925957	0.4596729	0.7832447	1.6862613
5835000000	1.308996939	2.14675948	-5.243373781	-6.332731551	-7.1561414847	-2.684277033	0.5468035	0.4823513	0.4387255	0.7341523	0.835875
5835000000	1.308996939	2.199114858	-7.321815099	-6.830919561	-7.166804847	-3.642972474	0.4304367	0.455464	0.4381873	0.6754328	-0.080628
5835000000	1.308996939	2.251474735	-8.411581746	-7.663774325	-6.770923004	-4.618752772	0.3796828	0.4138198	0.4586209	0.5857377	-0.725673
5835000000	1.308996939	2.303834613	-8.135679661	-8.911819776	-6.599382621	-5.372749149	0.3919368	0.3584338	0.4677684	0.5837193	-1.125865
5835000000	1.308996939	2.35619449	-6.857577572	-10.71419142	-7.053625058	-6.178325823	0.4540682	0.2912664	0.4440111	0.4910025	-1.512149
5835000000	1.308996939	2.408554368	-6.023731997	-13.14414169	-7.926850415	-7.582762683	0.4998197	0.2201876	0.4014741	0.4716975	-2.274818
5835000000	1.308996939	2.460914245	-6.560014944	-15.73498682	-8.922424428	-9.471027453	0.4659893	0.1633905	0.3579965	0.3360846	-3.560735
5835000000	1.308996939	2.513274123	-8.631366103	-17.18327614	-10.45800407	-9.79237862	0.370196	0.1383045	0.2999852	0.3238777	-4.940884
5835000000	1.308996939	2.565634	-11.36712851	-17.30643561	-13.09275557	-8.662023881	0.270174	0.1363572	0.2214941	0.3688916	-6.04742
5835000000	1.308996939	2.617939878	-10.57534037	-16.24407716	-15.05526305	-8.632455518	0.29596	0.1540977	0.1767002	0.3701495	-6.047504
5835000000	1.308996939	2.670353756	-7.086707593	-13.73659367	-14.29384035	-9.706218901	0.4422467	0.2056697	0.1928892	0.3271064	-4.672397
5835000000	1.308996939	2.722713633	-4.933713437	-11.37836039	-14.17455639	-9.41112962	0.5566493	0.2698249	0.1955565	0.338103	-3.283394
5835000000	1.308996939	2.775073511	-4.866745971	-10.15649563	-15.66939182	-7.75729199	0.571035	0.3105812	0.1646381	0.4093879	-2.759507
5835000000	1.308996939	2.827433388	-7.137270697	-10.10248413	-16.88989582	-6.734101894	0.4396798	0.3125185	0.1430557	0.4605692	-3.376539
5835000000	1.308996939	2.879793266	-11.45475359	-11.04036351	-16.52521784	-6.517114612	0.2674621	0.2805316	0.1493445	0.4722199	-4.660164
5835000000	1.308996939	2.932515313	-12.77815573	-13.00939043	-16.25131902	-7.074218296	0.2296636	0.2236302	0.1543308	0.4428831	-5.591788
5835000000	1.308996939	2.984513021	-11.59579304	-16.57499476	-18.86292239	-8.882461779	0.2631542	0.1483373	0.1435007	0.3596474	-6.795601
5835000000	1.308996939	3.036872899	-13.1289599	-16.34253982	-18.86067816	-12.48913526	0.2205728	0.0657466	0.1140137	0.2374342	-9.927356
5835000000	1.308996939	3.089232766	-18.96854958	-39.65595321	-21.51952965	-17.91826596	0.1126088	0.010404	0.0839505	0.1270828	-15.54447
5835000000	1.308996939	3.141592654	-21.91534335	-22.79366733	-20.12385991	-23.55774195	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.308996939	3.161356817	-21.9153435	-22.79366701	-20.12385997	-23.55774216	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.308996939	3.161356817	-17.08617508	-17.82237932	-18.18333997	-23.94270553	0.1398593	0.1284935	0.1232631	0.0635133	-12.85791
5835000000	1.308996939	3.161356817	-17.03355275	-14.77878244	-18.754475414	-20.11302551	0.1407092	0.1824151	0.1154817	0.0987072	-11.41707
5835000000	1.308996939	3.161356817	-17.25432364	-12.51862496	-19.72051158	-18.77795082	0.1371778	0.2366294	0.1032701	0.1150807	-10.57185
5835000000	1.308996939	3.161356817	-14.54227284	-10.704464	-17.42939827	-18.87499632	0.1874504	0.2915298	0.1344405	0.1138283	-8.786185
5835000000	1.308996939	3.161356817	-12.88298302	-9.433778458	-15.11013613	-15.58997359	0.2269085	0.3375229	0.1755873	0.1661504	-6.876356
5835000000	1.308996939	3.161356817	-12.87433388	-8.85631327	-13.27135652	-11.58868826	0.2463605	0.3607317	0.2169862	0.2633696	-5.29243
5835000000	1.308996939	3.161356817	-11.39435135	-8.875700388	-10.95417593	-9.350419597	0.2693286	0.3599275	0.2833291	0.3407839	-4.059021
5835000000	1.308996939	3.161356817	-11.1283251	-9.204006296	-9.011022435	-8.669836447	0.2782008	0.346577	0.3543634	0.36856	-3.428728
5835000000	1.308996939	3.161356817	-11.9080375	-9.6							

5835000000	1.361356817	0.052359878	0.054028147	-0.119602771	-2.002119136	0.644958404	1.0062396	0.9863246	0.7941345	1.0770799	5.7196446
5835000000	1.361356817	0.104719755	-0.324394767	-0.422452601	-1.726699359	1.065458754	0.9633415	0.9525272	0.8197191	1.1305062	5.724848
5835000000	1.361356817	0.157079633	-1.370258797	-0.373872699	-0.944983698	1.459728763	0.8540574	0.95078695	0.896914	1.1830046	5.7825121
5835000000	1.361356817	0.20943951	-2.296534107	0.03091251	-0.426407554	1.739178271	0.7676677	1.0035653	0.9520935	1.2216841	5.9003367
5835000000	1.361356817	0.261799388	-2.048268679	0.66213591	-0.363127123	1.915098774	0.7899263	1.0792121	0.9590553	1.2466798	6.1816827
5835000000	1.361356817	0.314159265	-1.083568672	1.344228533	-0.684860071	1.986877819	0.8827172	1.1567378	0.9241809	1.2570249	6.5088871
5835000000	1.361356817	0.366519143	-0.379562176	1.942629823	-1.327398926	1.967208923	0.9572423	1.2063676	0.8582821	1.2541816	6.6897657
5835000000	1.361356817	0.41887902	-0.245945316	2.738506724	-2.133260031	1.926993687	0.9720816	1.3149987	0.7822346	1.2483883	6.6844558
5835000000	1.361356817	0.471238898	-0.628635798	2.610782621	-2.498763074	1.921672811	0.9301826	1.3506385	0.750001	1.2476238	6.605121
5835000000	1.361356817	0.523598776	-1.273785661	2.623085085	-1.782595773	1.89744915	0.8635962	1.3525529	0.8060653	1.2441492	6.5805572
5835000000	1.361356817	0.575958653	-1.772999695	2.425237647	-0.895434686	1.766752169	0.8153612	1.3220926	0.9020451	1.2255686	6.5779182
5835000000	1.361356817	0.628318531	-1.985514625	2.069026857	-0.478398069	1.557482316	0.795654	1.26897	0.9464117	1.1963937	6.4597368
5835000000	1.361356817	0.680678408	-2.140855203	1.665917702	-0.987136261	1.425239723	0.7815509	1.2114232	0.8925719	1.1783166	6.1581801
5835000000	1.361356817	0.733038286	-2.202212162	1.375906546	-2.40793268	1.484837238	0.7760576	1.1716431	0.7578851	1.1864293	5.7828902
5835000000	1.361356817	0.785398163	-1.931386889	1.336302042	-4.433233346	1.660049195	0.8006278	1.166313	0.6002585	1.210605	5.5241891
5835000000	1.361356817	0.837758041	-1.493309947	1.565264833	-6.530838231	1.795692485	0.8420435	1.1974661	0.4714744	1.2296588	5.4383248
5835000000	1.361356817	0.890117919	-1.105181067	1.948837216	-5.18024214	1.845897826	0.8805235	1.2515317	0.3743862	1.2367869	5.4443264
5835000000	1.361356817	0.942477796	-0.622317507	2.326568174	-10.86663584	1.859413221	0.9308595	1.307159	0.286199	1.2387129	5.4899326
5835000000	1.361356817	0.994837674	0.027846745	2.570400651	-12.75313089	1.831993008	1.0032111	1.3443738	0.2303263	1.2348086	5.6040978
5835000000	1.361356817	1.047197551	0.562240437	2.610222172	-11.42431536	1.652327317	1.0668713	1.3505514	0.2684011	1.2095292	5.7903363
5835000000	1.361356817	1.099557429	0.723591294	2.433226215	-8.554706922	1.199906996	1.0868749	1.3233091	0.3734777	1.1481413	5.8712352
5835000000	1.361356817	1.151917306	0.553053078	2.073503959	-6.052632793	0.470093225	1.0657434	1.2696242	0.4981594	1.056128	5.7764714
5835000000	1.361356817	1.204277184	0.345236312	1.583860908	-0.501728175	-0.389016721	1.0405473	1.2000326	0.6272109	0.9562009	5.6297389
5835000000	1.361356817	1.256637061	0.274182816	0.990034492	-2.579461818	-1.167846717	1.03207	1.1207319	0.7430652	0.8741937	5.506367
5835000000	1.361356817	1.308996939	0.105623307	0.258688901	-1.75125727	-1.272483594	1.0122346	1.0302306	0.8174047	0.820117	5.2963255
5835000000	1.361356817	1.361356817	-0.353054969	-0.684531787	-1.673071893	-2.034256454	0.9601681	0.9242158	0.8247957	0.7912016	4.8617071
5835000000	1.361356817	1.413716694	-0.864422439	-1.886876572	-2.413323346	-2.197648255	0.9052716	1.0804711	0.7574147	1.0776473	4.2007083
5835000000	1.361356817	1.466076572	-1.049869291	-3.267287123	-3.990485082	-2.335832087	0.8861486	1.0686492	0.6316489	0.7642024	3.4301191
5835000000	1.361356817	1.518436449	-0.901765363	-4.518024214	-6.532604454	-2.578398848	0.9013879	1.0944274	0.482695	0.7431561	2.6760978
5835000000	1.361356817	1.570796327	-0.824865398	-5.218103369	-9.156716499	-3.024224809	0.9094037	1.0548396	0.348469	0.7059741	1.9806348
5835000000	1.361356817	1.623156204	-1.165449877	-5.299155689	-11.909241367	-3.500354274	0.8744349	1.05433031	0.2538271	0.6683167	1.3632785
5835000000	1.361356817	1.675516082	-1.812309339	-5.137051077	-13.53055299	-3.480176831	0.8116794	1.0535358	0.2106068	0.669871	1.0064162
5835000000	1.361356817	1.72787596	-2.382980586	-5.098076308	-12.98155529	-2.764547467	0.7600654	0.5560274	0.2243481	0.7273989	1.0916473
5835000000	1.361356817	1.780235837	-2.828410447	-5.340158737	-11.13066688	-1.895623102	0.7220703	0.5407444	0.2776302	0.8039311	1.3799455
5835000000	1.361356817	1.832595715	-3.414458585	-5.851871597	-9.453835674	-1.409460682	0.6749585	0.5098077	0.3367505	0.8502115	1.4608694
5835000000	1.361356817	1.884955592	-3.915507372	-6.462496936	-8.451796539	-1.396331284	0.637125	0.4751986	0.3794986	0.8514976	1.3760313
5835000000	1.361356817	1.93731547	-3.389001054	-6.847917089	-7.903438492	-1.593922038	0.6769396	0.4545375	0.4025576	0.832346	1.461225
5835000000	1.361356817	1.989675347	-2.240064294	-6.74195815	-7.40528564	-1.721828564	0.7726749	0.4601528	0.4101764	0.8201789	1.8093334
5835000000	1.361356817	2.042035225	-1.856324634	-6.275056521	-7.937795361	-1.819171225	0.8075767	0.4856568	0.4009685	0.8110384	1.9560691
5835000000	1.361356817	2.094395102	-2.722199328	-5.870416337	-8.511440753	-2.12906642	0.730954	0.5887204	0.3753427	0.7826125	1.575042
5835000000	1.361356817	2.14675948	-4.48582951	-5.862812184	-9.008025342	-2.806614233	0.5966347	0.509166	0.3544857	0.7238845	0.7651326
5835000000	1.361356817	2.199114858	-6.214075362	-6.370816792	-9.581157675	-3.821352621	0.4889858	0.4802409	0.3728159	0.644069	-0.060527
5835000000	1.361356817	2.251474735	-7.321979885	-7.370732126	-7.378860056	-4.923738227	0.4304285	0.4280193	0.4276279	0.5673004	-0.661329
5835000000	1.361356817	2.303834613	-7.518522988	-8.837468991	-6.470158528	-5.722214798	0.4207982	0.3651552	0.4747796	0.5174749	-1.038748
5835000000	1.361356817	2.35619449	-6.43247705	-10.8973409	-6.356441084	-6.274023403	0.4768438	0.2851891	0.4810364	0.4856225	-1.266248
5835000000	1.361356817	2.408554368	-5.475494283	-13.88223636	-7.002783396	-6.734198474	0.5323844	0.2022498	0.4465405	0.4308499	-1.873167
5835000000	1.361356817	2.460914245	-5.875028925	-18.0001729	-8.202180941	-9.029867697	0.5084504	0.12589	0.3889475	0.3359594	-3.242657
5835000000	1.361356817	2.513274123	-7.699355595	-21.18155857	-9.939255824	-9.443383904	0.4121281	0.0872815	0.318447	0.3731559	-4.768866
5835000000	1.361356817	2.565634	-9.988920527	-20.32985443	-12.24934639	-8.205066342	0.3166314	0.0962736	0.2440777	0.3888183	-5.631619
5835000000	1.361356817	2.617993878	-10.19100013	-18.01725157	-14.25141072	-7.88867014	0.3093499	0.1256427	0.1938338	0.4032427	-5.746425
5835000000	1.361356817	2.670353756	-7.530467814	-15.02474895	-14.85497586	-6.859476127	0.4202199	0.177322	0.180822	0.3689999	-4.826578
5835000000	1.361356817	2.722713633	-5.14903156	-12.50061727	-15.06776089	-8.567857266	0.552775	0.2371205	0.1764461	0.3792127	-3.483339
5835000000	1.361356817	2.775073511	-4.597631395	-11.23195768	-15.35677519	-7.321524431	0.5890043	0.2749806	0.1706716	0.4304511	-2.70321
5835000000	1.361356817	2.827433388	-6.299765378	-11.16112592	-15.49274257	-6.464677371	0.4841854	0.2766583	0.1680207	0.4750793	-0.373065
5835000000	1.361356817	2.879793266	-10.19131656	-12.11567459	-15.92536577	-6.321895571	0.3093386	0.2478656	0.159857	0.4829534	-4.436869
5835000000	1.361356817	2.932515314	-12.69919849	-14.04660065	-16.60610524	-6.986883097	0.2317609	0.1984856	0.1478069	0.4473587	-5.80286
5835000000	1.361356817	2.984513021	-11.94607255	-17.50169867	-17.23158547	-8.936219528	0.252753	0.1333621	0.1375374	0.3574284	-7.12064
5835000000	1.361356817	3.036872899	-13.34358257	-24.46158896	-18.80998216	-12.65873428	0.2151894	0.0598302	0.1146835	0.2328431	-10.13717
5835000000	1.361356817	3.089232776	-19.04944067	-38.51159553	-21.35076619	-18.07082342	0.111565	0.0118692	0.0855976	0.1248702	-15.54822
5835000000	1.361356817	3.141592654	-21.9153435	-27.79366701	-20.12385996	-23.55774216	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.413716694	3.141592654	-21.91534327	-22.79366688	-20.12386028	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.413716694	-3.089232776	-17.08631538	-17.85482637	-18.25895062	-23.85867659	0.139857	0.128014	0.1221947	0.0641307	-12.87572
5835000000	1.413716694	-3.086872899	-17.1148725	-14.90885502	-18.96491458	-19.82041893	0.1393979	0.1797038	0.112656	0.102089	-11.47227
5835000000	1.413716694	-2.984513021	-17.65700217	-12.74238505	-19.6309733	-18.20659733	0.1309634	0.2360126	0.1042429	0.1229335	-10.62195
5835000000	1.413716694	-2.932153143	-14.93363205	-10.96504676	-16.99911094	-17.96755454	0.1791919	0.2829477	0.1412682	0.1263677	-8.75654
5835000000	1.413716694	-2.879793266	-13.28738346	-9.702876176	-14.89707398	-14.89707398	0.2165862	0.3272323	0.1804379	0.1799477	-6.89527
5835000000	1.413716694	-2.827433388	-12.60938345	-9.134868306	-13.29171833	-11.10989784	0.2341698	0.3493459	0.2164782	0.2782494	-5.365899
5835000000	1.413716694	-2.775073511	-11.671								

5835000000	1.413716694	-0.052359878	-0.418962745	0.989652383	-0.206839641	0.706184997	0.95291	1.1206826	0.976468	1.084699	6.3084053
5835000000	1.413716694	-4.44E-16	-0.18701258	0.410326664	-1.242996538	0.470273741	0.9786995	1.0843742	0.8666628	1.0556348	5.9099995
5835000000	1.413716694	0.052359878	0.059738705	-0.12233407	-0.203305099	0.646550019	1.0069014	0.9860145	0.7913115	1.0772773	5.7145313
5835000000	1.413716694	0.104719755	-0.356888732	-0.427871251	-1.749436462	1.057030173	0.9597443	0.9519331	0.8175761	1.1294097	5.7081376
5835000000	1.413716694	0.157079633	-1.462999746	-0.379029037	-0.9481836694	1.442558643	0.844987	0.9573011	0.897239	1.086684	5.7564722
5835000000	1.413716694	0.20943951	-2.388054899	0.035133637	-0.448574846	1.713033965	0.7596215	1.0040531	0.9496668	1.2180124	5.8702426
5835000000	1.413716694	0.261199388	-2.040170569	0.689628689	-0.464970276	1.877901806	0.7906631	1.0826334	0.9478759	1.2413524	6.1553207
5835000000	1.413716694	0.314159265	-1.020314111	1.403805991	-0.847775527	1.939105066	0.889169	1.1754125	0.9070082	1.2501302	6.4891884
5835000000	1.413716694	0.366519143	-0.353805652	0.208443943	-1.413748521	1.905621884	0.9600851	1.2630548	0.8497919	1.2453204	6.68556
5835000000	1.413716694	0.41887902	-0.317420835	2.470325319	-1.959808846	1.838612416	0.9641153	1.3289733	0.7980122	1.23575	6.7028836
5835000000	1.413716694	0.471238898	-0.802539382	2.686463497	-2.100816696	1.798552169	0.9117442	1.3624582	0.7851618	1.2306637	6.6273876
5835000000	1.413716694	0.523598776	-1.472961114	2.675557348	-1.950890508	1.760249615	0.8440185	1.3607485	0.8326366	1.2246514	6.5717809
5835000000	1.413716694	0.575958653	-1.858083379	2.469558756	-0.875287587	1.661052483	0.8074132	1.328856	0.9041399	1.2107448	6.5495367
5835000000	1.413716694	0.628318531	-1.90477635	2.129324055	-0.58447791	1.521762825	0.8030844	1.2778098	0.9349236	1.1914838	6.4594728
5835000000	1.413716694	0.680678408	-1.987333342	1.745838693	-0.991289867	1.455239911	0.7954875	1.2226212	0.8921451	1.1823934	6.2194863
5835000000	1.413716694	0.730308286	-2.101133557	1.433496425	-2.025213874	1.52824194	0.7851332	1.1794372	0.7920258	1.1923729	5.9090746
5835000000	1.413716694	0.785398163	-1.9070775026	1.298131519	-3.404410374	1.652966814	0.8028719	1.1611988	0.6757398	1.2096183	5.6873257
5835000000	1.413716694	0.837758041	-1.463822244	1.386956391	-4.88830119	1.690657938	0.844907	1.1731345	0.5696196	1.2148786	5.5808754
5835000000	1.413716694	0.890119719	-1.01570161	1.656391698	-6.455991877	1.613214598	0.8896413	1.2100953	0.4753397	1.2040949	5.5273314
5835000000	1.413716694	0.942477796	-0.489952475	1.984704668	-7.732656821	1.494720073	0.9451536	1.2567105	0.410551	1.18778	5.5755179
5835000000	1.413716694	0.994837674	0.143755825	2.220084712	-7.050634685	1.767993008	1.0166882	1.2912319	0.421423	1.1705761	5.8005123
5835000000	1.413716694	1.047197551	0.613773176	2.236178519	-6.092754893	1.147916684	1.0732198	1.2936266	0.4958636	1.1412895	6.0292804
5835000000	1.413716694	1.099557429	0.723280737	1.973312327	-4.923416732	1.072230384	1.0868361	1.2550633	0.5673214	1.0867138	6.0117674
5835000000	1.413716694	1.151917306	0.579858755	1.456203712	-4.36663287	0.099646691	1.0690375	1.1825246	0.6048788	1.0151383	5.7290827
5835000000	1.413716694	1.204277184	0.492586938	0.778995013	-4.09930234	-0.054107322	1.0583501	1.093826	0.6237849	0.9390628	5.3786322
5835000000	1.413716694	1.256637061	0.562845373	0.041530918	-3.776058313	-0.99712642	1.069456	1.0047929	0.6474363	0.8915458	5.1312779
5835000000	1.413716694	1.308996939	0.436642181	-0.739872745	-3.466103233	-1.154532683	1.0515553	1.0813461	0.6709572	0.8755549	4.9013987
5835000000	1.413716694	1.361356817	-0.150452749	-1.651561942	-3.512859274	-1.10289094	0.9828276	1.0826840	0.6673552	0.880764	4.5006465
5835000000	1.413716694	1.413716694	-0.882728219	-2.775311115	-4.400470971	-1.048077534	0.9033657	1.0762498	0.6176106	0.8863314	3.9008414
5835000000	1.413716694	1.466076572	-1.142784004	-0.418645084	-5.598696661	-1.149466308	0.8767198	1.0629604	0.5272738	0.8760455	3.2560882
5835000000	1.413716694	1.518436449	-0.850758347	-5.008758807	-7.482486976	-1.444866698	0.9066968	1.05617745	0.4225486	0.8467528	2.7273481
5835000000	1.413716694	1.570796327	-0.584862957	-5.337845059	-5.982909435	-1.83930415	0.9348821	1.0540885	0.3317833	0.8091583	2.3345193
5835000000	1.413716694	1.623156204	-0.843333912	-5.072027329	-11.50070499	-2.045602157	0.9074721	0.5576859	0.2660509	0.7901688	2.0211584
5835000000	1.413716694	1.675516082	-1.537102618	-4.616979222	-12.82490476	-1.804666288	0.8378087	0.5876937	0.225816	0.812394	1.8112003
5835000000	1.413716694	1.72787596	-2.119179612	-4.262616717	-10.01621228	-1.293349304	0.7835036	0.6121659	0.2234564	0.8616533	1.8711563
5835000000	1.413716694	1.780235837	-2.412228953	-4.140006617	-11.55785694	-0.90370983	0.7575103	0.6286866	0.2643061	0.9011861	2.0893021
5835000000	1.413716694	1.8325995715	-2.84047137	-4.333141815	-9.910107715	-0.83617781	0.7210683	0.6097256	0.3195175	0.9082201	2.1306902
5835000000	1.413716694	1.884955592	-3.423553306	-4.896873378	-9.866908307	-1.034971676	0.6742537	0.5605177	0.3561677	0.8876697	1.8934359
5835000000	1.413716694	1.93731547	-3.179025886	-5.736629088	-8.88097858	-1.318719742	0.6935036	0.5166168	0.3594141	0.8591401	1.6867869
5835000000	1.413716694	1.989675347	-2.088033395	-6.422060868	-9.623511066	-1.627818351	0.7863182	0.477416	0.330236	0.8291041	1.6667349
5835000000	1.413716694	2.042035225	-1.571422246	-6.424060065	-11.16395832	-2.072878684	0.8345409	0.4773061	0.2765681	0.7876913	1.4965863
5835000000	1.413716694	2.094395102	-2.249825335	-5.927389728	-13.19912449	-2.708810092	0.771807	0.5053945	0.2187982	0.7320816	0.938021
5835000000	1.413716694	2.14675498	-3.784621676	-5.597026341	-13.30279643	-3.517696833	0.6467984	0.5249872	0.2162023	0.6669836	0.3255158
5835000000	1.413716694	2.199114858	-5.259996415	-5.802133884	-10.36252071	-4.575502901	0.5457581	0.5127354	0.303011	0.595067	-0.209663
5835000000	1.413716694	2.251474735	-6.264578266	-6.564456615	-7.595274523	-5.810024237	0.4861509	0.4696531	0.4170962	0.5122698	-0.513589
5835000000	1.413716694	2.303834613	-6.726486178	-7.762812718	-6.063968464	-6.58459333	0.4609732	0.4091282	0.4975097	0.4685655	-0.742311
5835000000	1.413716694	2.35619449	-5.968933062	-9.347896145	-5.755510563	-6.749749617	0.502983	0.3408829	0.515495	0.4597402	-0.823463
5835000000	1.413716694	2.408554368	-5.050945306	-11.508875517	-6.478732317	-7.441858915	0.5590527	0.2658008	0.4743112	0.4245287	-1.2914
5835000000	1.413716694	2.460914245	-5.372109046	-14.58654197	-9.7916722738	-9.104032086	0.538759	0.1864975	0.4019424	0.3505891	-2.628357
5835000000	1.413716694	2.513274123	-6.997416427	-18.41603471	-6.903555759	-9.504265366	0.4468165	0.1200047	0.3277004	0.334801	-4.227255
5835000000	1.413716694	2.565634	-8.937365843	-20.75010698	-11.61855821	-7.968942328	0.3573812	0.0917265	0.2624654	0.3995332	-5.105488
5835000000	1.413716694	2.617993878	-9.695232451	-19.73664736	-13.76514944	-7.344221475	0.3275204	0.1030784	0.2049947	0.4293277	-5.744251
5835000000	1.413716694	2.670353756	-7.95663607	-16.84839725	-15.70507091	-7.880395957	0.4000997	0.1437408	0.1639632	0.403627	-5.102952
5835000000	1.413716694	2.712713633	-5.450062472	-14.08442872	-15.70393382	-7.932317362	0.5339454	0.1975662	0.1639846	0.4012124	-3.7649
5835000000	1.413716694	2.775073511	-4.455219774	-12.57870088	-14.28912209	-7.002403061	0.598741	0.2349984	0.192994	0.44656	-2.658414
5835000000	1.413716694	2.827433388	-5.663707611	-12.43203909	-13.86057841	-6.290781421	0.5209723	0.2390001	0.202753	0.4846865	-2.808758
5835000000	1.413716694	2.879793266	-9.13075072	-13.38307268	-15.10896202	-6.220701226	0.3495123	0.2142133	0.1756111	0.4886129	-4.236989
5835000000	1.413716694	2.932513143	-12.39002104	-15.28182491	-17.00991611	-6.0984457253	0.240159	0.1721507	0.1410926	0.4474836	-6.012908
5835000000	1.413716694	2.984513021	-12.25363079	-18.59942775	-17.7119231	-9.05439029	0.2435959	0.1174975	0.1301379	0.3525985	-7.491756
5835000000	1.413716694	3.036872899	-13.56832229	-25.37707449	-18.79931754	-12.86458444	0.209693	0.0538451	0.1148244	0.2273897	-10.3747
5835000000	1.413716694	3.089232776	-19.14603014	-37.19022697	-21.19121952	-18.22682962	0.1103312	0.0318194	0.0871844	0.1262271	-15.54665
5835000000	1.413716694	3.145196254	-21.91534327	-22.79366888	-20.12386028	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.466076572	-1.514592654	-21.9153432	-22.79367393	-20.12385988	-23.55774184	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.466076572	-3.089232776	-17.09621554	-17.90677491	-18.33168106	-23.74261806	0.1396977	0.127251	0.1211758	0.0649934	-12.86398
5835000000	1.466076572	-3.036872899	-17.19068359	-15.08938228	-19.1297972	-19.52888915	0.1381866	0.1760074	0.1105376	0.1055737	-11.53008
5835000000	1.466076572	-2.984513021	-18.04352959	-13.04845976	-19.42916122	-17.65995189	0.1256232	0.2226266	0.1067928	0.1309189	-10.66856
5835000000	1.466076572	-2.932153143	-15.34873036	-11.32122717	-16.51739298	-17.01132534	0.1708297	0.2176056	0.1493243	0.1410697	-8.720544
5835000000	1.466076572	-2.879793266	-13.7875411</								

5835000000	1.466076572	-0.157079633	0.701680486	1.613230241	0.024621571	1.506802118	1.0841366	1.2040971	1.0028387	1.1894333	7.0059409
5835000000	1.466076572	-0.104719755	-0.027243857	1.422965909	0.234404866	1.143061356	0.9968683	1.1780082	1.0273543	1.1406517	6.7349618
5835000000	1.466076572	-0.052359878	-0.444860799	0.986783623	-0.207637533	0.690641392	0.950073	1.1203125	0.9763783	1.0827597	6.2973988
5835000000	1.466076572	-4.44E-16	-0.187012847	0.410326539	-1.242996511	0.470274022	0.9786995	1.0483742	0.8666628	1.0556348	5.9909955
5835000000	1.466076572	0.052359878	0.065210834	-0.123660834	-2.063111045	0.648171991	1.0075359	0.9858639	0.7885776	1.0747785	5.7099217
5835000000	1.466076572	0.104719755	-0.386097847	0.428985731	-1.776870326	1.047147253	0.9565223	0.951811	0.8149979	1.1281254	5.6919001
5835000000	1.466076572	0.157079633	-1.544101416	-0.376007656	-0.949989328	1.42062203	0.8371339	0.9576341	0.8963973	1.1776903	5.7310506
5835000000	1.466076572	0.20943951	-2.455148154	0.046617144	-0.482038409	1.678344993	0.7537765	1.0058314	0.9460151	1.231577	5.8414219
5835000000	1.466076572	0.261793988	-2.004286067	0.714434047	-0.568501588	1.829473251	0.7939364	1.0857297	0.9366448	1.2344505	6.1301331
5835000000	1.466076572	0.314159265	-0.93804283	1.443578429	-0.993942724	1.880431147	0.897631	1.180807	0.8918727	1.2471139	6.4692182
5835000000	1.466076572	0.366519143	-0.321349373	2.074644927	-1.463865893	1.83765617	0.9636793	1.269791	0.8449027	1.235614	6.6769767
5835000000	1.466076572	0.41887902	-0.401299791	2.50270155	-1.77244399	1.748702251	0.9548497	1.3339363	0.8154133	1.2230244	6.7035869
5835000000	1.466076572	0.471238898	-1.005443919	2.682055134	-1.769589616	1.668326677	0.8906925	1.3617668	0.8156813	1.2117592	6.6080723
5835000000	1.466076572	0.523598776	-1.682368776	2.623639215	-1.428018359	1.591089116	0.8239134	1.3526392	0.8483969	1.2010317	6.4979152
5835000000	1.466076572	0.575958653	-1.898088356	2.380592473	-1.015664424	1.482590366	0.803703	1.3153145	0.8896451	1.1861224	6.4335943
5835000000	1.466076572	0.628318531	-1.752885687	2.027893117	-0.888152645	1.37264769	0.8172515	1.2629747	0.9028017	1.1712036	6.3492139
5835000000	1.466076572	0.680678408	-1.783469577	1.650114122	-1.181053287	1.356797165	0.8143789	1.2092211	0.8728655	1.1690682	6.1617515
5835000000	1.466076572	0.733038286	-2.014529571	1.334913442	-1.780895716	1.474255978	0.7930006	1.1661265	0.8146203	1.1849849	5.9305227
5835000000	1.466076572	0.785398163	-2.009931166	1.157466325	-2.538101167	1.620942628	0.7934205	1.142545	0.7446612	1.2051667	5.7733538
5835000000	1.466076572	0.837758041	-1.669091427	1.160375539	-3.514975708	1.647110269	0.8251738	1.1429277	0.6671926	1.2088803	5.6528721
5835000000	1.466076572	0.890117919	-1.212206988	1.33805643	-4.813978853	1.505832501	0.8697404	1.1665486	0.5745146	1.1893006	5.57351
5835000000	1.466076572	0.942477796	-0.62324775	1.616576059	-5.835392484	1.266355646	0.9307598	1.204561	0.5107759	1.1569585	5.5802506
5835000000	1.466076572	0.994836764	0.064105741	1.852420671	-5.344446617	1.003751353	1.0074077	1.2377161	0.5404776	1.1225031	5.8187235
5835000000	1.466076572	1.047197551	0.539359762	1.884546584	-3.954574376	0.699782752	1.0640646	1.2423024	0.6342658	1.0838998	6.073709
5835000000	1.466076572	1.099557429	0.639860462	1.604864231	-3.06244121	0.278346121	1.0764479	1.2029386	0.7028764	1.0325648	6.0527382
5835000000	1.466076572	1.151917306	0.554547614	0.999869697	-3.06247185	-0.253894941	1.0659268	1.2200106	0.7028723	0.9711924	5.7156298
5835000000	1.466076572	1.204277184	0.629886063	0.159559877	-3.720464557	-1.237120816	1.0752125	1.185398	0.6515935	0.919166	5.2597227
5835000000	1.466076572	1.256637061	0.89803761	-0.757018274	-4.440257488	-0.943620283	1.1089242	0.9165351	0.5997733	0.8970548	4.915896
5835000000	1.466076572	1.308996939	0.89569204	-1.629104084	-4.695027925	-1.662106451	1.1086248	0.8289814	0.5824365	0.9092738	4.6835517
5835000000	1.466076572	1.361356817	0.283673405	-2.472744603	-4.619009223	-0.548835828	1.0331983	0.7529152	0.5875564	0.9387679	4.3806126
5835000000	1.466076572	1.413716694	-0.620956991	-3.356493164	-6.46560093	-0.38107885	0.9310053	0.6794779	0.585757	0.9570752	3.9547483
5835000000	1.466076572	1.466076572	-1.011165047	-4.190755312	-4.930237381	-0.472403675	0.890106	0.6172516	0.5668761	0.9470651	3.5832736
5835000000	1.466076572	1.518436449	-0.63859509	-4.67709297	-5.380206999	-0.765517293	0.9291167	0.5836404	0.538257	0.9156387	3.4247343
5835000000	1.466076572	1.570796327	-0.196511024	-4.61967493	-5.944828142	-1.033412934	0.9776298	0.5874916	0.5043809	0.8878291	3.3973997
5835000000	1.466076572	1.623156204	-0.342454805	-4.194124719	-6.744756819	-1.017901198	0.9613405	0.6170122	0.4600046	0.889416	3.1310149
5835000000	1.466076572	1.675516082	-1.06250448	-3.68934976	-7.854684724	-0.734299846	0.8848604	0.6539319	0.4048235	0.9189355	3.1144657
5835000000	1.466076572	1.72787596	-1.716401608	-3.254869525	-8.94867115	-0.502308783	0.8206915	0.6874474	0.3569163	0.94381	2.9501015
5835000000	1.466076572	1.780235837	-1.940697145	-2.955896605	-9.284196677	-0.556443613	0.7997701	0.7115496	0.343392	0.937946	2.8997539
5835000000	1.466076572	1.832595715	-2.226176315	-2.903691274	-8.764538449	-0.849454736	0.7739113	0.7158391	0.3645634	0.9068329	2.8011898
5835000000	1.466076572	1.884955592	-2.82607009	-3.267350151	-8.266032703	-1.178616597	0.7222649	0.6864873	0.3860987	0.8731104	2.5029906
5835000000	1.466076572	1.93731547	-2.865667468	-4.154606146	-8.513014214	-1.14784595	0.7189797	0.6198259	0.3752747	0.8437382	2.1367944
5835000000	1.466076572	1.989675347	-1.92480726	-5.375383843	-9.909699723	-1.949392243	0.8012345	0.5385559	0.3195325	0.7989698	1.7920721
5835000000	1.466076572	2.042035225	-1.318769438	-6.186151471	-12.980990919	-2.798839506	0.8591352	0.4905603	0.2243626	0.7245328	1.2086338
5835000000	1.466076572	2.094395102	-1.831918771	-5.982207801	-18.15402394	-3.86573002	0.809849	0.5022149	0.1236798	0.6407867	0.3261662
5835000000	1.466076572	2.14675498	-3.19435563	-5.38029229	-16.12161386	-4.849239153	0.6922807	0.5382517	0.1562857	0.5721871	-0.179888
5835000000	1.466076572	2.199114858	-4.503003421	-5.15787402	-16.6473669	-5.957073974	0.5954562	0.5522308	0.2935159	0.5036703	-0.242774
5835000000	1.466076572	2.251474735	-5.384414601	-5.509677161	-7.556739936	-7.39600009	0.5379963	0.5302933	0.4189508	0.426776	-0.381687
5835000000	1.466076572	2.303834613	-5.967668117	-6.30021748	-6.181355053	-8.165831147	0.5030563	0.4841712	0.4908313	0.3905786	-0.590099
5835000000	1.466076572	2.35619449	-5.557433807	-7.38838278	-6.150282418	-7.885598163	0.5273857	0.4271504	0.4925903	0.4033853	-0.674763
5835000000	1.466076572	2.408554368	-4.774166287	-8.900330831	-7.178981776	-8.314746935	0.5771154	0.3589083	0.4375734	0.3839394	-1.122323
5835000000	1.466076572	2.460914245	-5.047522714	-11.19174868	-8.712320329	-9.992488058	0.559273	0.2756864	0.3667617	0.3165014	-2.393902
5835000000	1.466076572	2.513274123	-6.50568715	-14.42462986	-10.03546296	-10.734295215	0.4728416	0.1900605	0.3158739	0.3149393	-3.784188
5835000000	1.466076572	2.565634	-8.195892788	-17.80330595	-11.26482814	-7.986679873	0.3892292	0.1287759	0.2733749	0.3987182	-4.508945
5835000000	1.466076572	2.617993878	-9.248992816	-19.65693765	-13.62539758	-2.095748656	0.3447866	0.1040787	0.2083196	0.4417866	-5.201267
5835000000	1.466076572	2.670353756	-8.345363242	-18.80433461	-17.08102071	-7.459922575	0.3825884	0.1147581	0.1399423	0.4236467	-5.50682
5835000000	1.466076572	2.722713633	-5.807533899	-16.05758259	-15.87307225	-7.565521262	0.5124167	0.1574421	0.1608223	0.4185274	-0.4079
5835000000	1.466076572	2.775073511	-4.418527065	-14.10666913	-12.90896562	-6.836786207	0.6012757	0.1970909	0.2262308	0.4551564	-2.616811
5835000000	1.466076572	2.827433388	-5.201984624	-13.72883881	-12.34273925	-6.237466266	0.5494153	0.2058534	0.2414699	0.4876707	-2.589526
5835000000	1.466076572	2.879793266	-8.28372925	-14.69275735	-14.23473002	-6.231422188	0.3853129	0.1842308	0.1942064	0.4880102	-4.070177
5835000000	1.466076572	2.932153143	-11.95259541	-16.65045175	-17.42951165	-7.078462614	0.2525633	0.1470542	0.1344387	0.4426667	-6.225172
5835000000	1.466076572	2.984513021	-12.50688329	-19.85278444	-18.3044455	-9.244046324	0.2369495	0.1017093	0.1215564	0.344983	-7.902544
5835000000	1.466076572	3.036872899	-13.79851564	-26.35182068	-18.81841312	-13.10925989	0.2042078	0.0481292	0.1145722	0.2210737	-10.339123
5835000000	1.466076572	3.089232776	-19.25679238	-35.87169416	-21.0408504	-18.38968213	0.1089332	0.0160848	0.0887069	0.1203693	-15.54322
5835000000	1.466076572	3.141592654	-21.9153432	-27.79366739	-23.755774194	-23.55774194	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.518436449	-3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.518436449	-3.089232776	-17.11599547	-17.77770362	-18.40022007	-23.59382087	0.1393799	0.1262161	0.1202234	0.0663164	-12.91906
5835000000	1.518436449	-3.036872899	-17.25790616	-15.31982357	-19.23857179	-19.23939396	0.1371212	0.1713992	0.109162	0.1091516	-11.58712
5835000000	1.518436449	-2.984513021	-18.40027583								

5835000000	1.518436449	-0.261799388	1.299628289	1.516164771	-0.277369691	1.782221209	1.1613989	1.1907161	0.9685711	1.2277532	7.1366482
5835000000	1.518436449	-0.20943951	1.179234984	1.552484435	-0.435671075	1.750286572	1.1454121	1.1957055	0.9510787	1.2232475	7.0734087
5835000000	1.518436449	-0.157079633	0.707122112	1.573167024	-0.063694876	1.544283634	1.0848161	1.1985561	0.9926937	1.1945771	6.9867997
5835000000	1.518436449	-0.104719755	-0.050875336	1.401727973	0.192369379	1.132630925	0.9941599	1.1751313	1.0223944	1.1392828	6.7111004
5835000000	1.518436449	-0.052359878	-0.470767975	0.981338755	-0.21103534	0.675290638	0.9472434	1.1196104	0.9759964	1.0808478	6.2851373
5835000000	1.518436449	-4.44E-16	-0.187012965	0.410326961	-0.242996351	0.470273792	0.9786995	1.0483743	0.8666629	1.0556348	5.9099955
5835000000	1.518436449	0.052359878	0.070590318	-0.123594226	-0.292252308	0.649979768	1.0086101	0.9858714	0.7859364	1.0770727	5.7059031
5835000000	1.518436449	0.104719755	-0.411273156	-0.425996204	-1.809380746	1.036385081	0.9537539	0.9521386	0.8119532	1.1267284	5.676365
5835000000	1.518436449	0.157079633	-1.612383673	-0.365655922	-0.968691711	1.394502133	0.8305788	0.9587761	0.8944692	1.1741541	5.7065955
5835000000	1.518436449	0.20943951	-2.499367701	0.063076066	-0.252569846	1.634526094	0.7499488	1.0072883	0.941611	1.2070525	5.8138247
5835000000	1.518436449	-1.947362882	-1.947362882	0.732103843	-0.665730996	1.766458592	0.7991565	1.0879406	0.9262185	1.2255271	6.104539
5835000000	1.518436449	0.314159265	-0.842589582	1.457174805	-1.117913651	1.804112898	0.9075499	1.1826568	0.8792337	1.2308515	6.4449895
5835000000	1.518436449	0.366519143	-0.281568037	-0.274950524	-1.491561455	1.75603753	0.9681031	1.269829	0.842213	1.2240577	6.6572545
5835000000	1.518436449	0.41887902	-0.489214725	2.473272883	-1.607230232	1.658179628	0.9452338	1.3294244	0.8310717	1.2103444	6.6811785
5835000000	1.518436449	0.471238898	-1.225284041	2.604517027	-1.520344869	1.553187625	0.868432	1.3496646	0.8394267	1.1958023	6.5539725
5835000000	1.518436449	0.523598776	-1.889880982	2.488831528	-1.359558509	1.442531173	0.8044628	1.3318079	0.8551102	1.1806646	6.3863807
5835000000	1.518436449	0.575958653	-1.892195861	2.198014368	-1.275639697	1.310716606	0.8042484	1.2879551	0.8634119	1.1628825	6.274177
5835000000	1.518436449	0.628318531	-1.547415075	1.825577846	-1.363839619	1.195532556	0.8368146	1.233897	0.8546888	1.1475632	6.1776107
5835000000	1.518436449	0.680678408	-1.54228297	1.46454704	-1.51626632	1.184134784	0.8373092	1.183661	0.8364089	1.1460584	6.0280612
5835000000	1.518436449	0.730382826	-1.922166286	1.192290672	-1.698996555	1.311499289	0.8014781	1.147135	0.8223376	1.1629873	5.8759505
5835000000	1.518436449	0.785398163	-2.186685219	1.047572943	-1.903758393	1.488567122	0.777438	1.1281807	0.8031785	1.1898389	5.7911905
5835000000	1.518436449	0.837758041	-2.050075408	1.026853414	-2.520584345	1.576099817	0.789762	1.1254927	0.7481192	1.1989608	5.7163981
5835000000	1.518436449	0.890117919	-1.640849436	1.11537559	-3.741814331	1.507857243	0.8278612	1.1370218	0.6475763	1.1895878	5.579727
5835000000	1.518436449	0.942477796	-0.976328382	1.287719206	-1.527407721	1.318884268	0.8936832	1.1598076	0.5541529	1.1639765	5.5099592
5835000000	1.518436449	0.994837674	-0.174728152	1.460495541	-0.506485329	1.07851021	0.9800847	1.1831091	0.5581595	1.1322062	5.6966412
5835000000	1.518436449	1.047197551	0.375006817	1.490006934	-3.810924538	0.805197479	1.0441198	1.1871356	0.6448427	1.0971345	5.96228
5835000000	1.518436449	1.099557429	0.51825516	1.240829718	-2.998758216	0.50440376	1.0614823	1.1535634	0.708047	1.0532271	5.9690263
5835000000	1.518436449	1.151917306	0.5810162	0.652365562	-3.220040815	-0.012607373	1.0614635	1.0779988	0.6902366	0.9985496	5.6394025
5835000000	1.518436449	1.204277184	0.76089024	-0.225052085	-4.30790219	-0.490639947	1.0915522	1.0944227	0.6089826	0.9450788	5.1536586
5835000000	1.518436449	1.256637061	1.223954629	-1.221592404	-5.44424456	-0.791703443	1.1513245	0.8688011	0.5340302	0.9128824	4.7792655
5835000000	1.518436449	1.308996939	1.372592195	-2.12465419	-5.509070106	-0.793106366	1.1711961	0.78301	0.5302793	0.912735	4.6018742
5835000000	1.518436449	1.361356817	0.821222545	-2.847978411	-4.66244183	-0.617505057	1.0991605	0.7204454	0.5846257	0.9313754	4.4428977
5835000000	1.518436449	1.413716694	-0.147759019	-3.454957752	-3.7823891	-0.550997461	0.9831325	0.6718187	0.6469646	0.9385343	4.1915069
5835000000	1.518436449	1.466076572	-0.645202318	-3.956733563	-3.209437314	-0.507719866	0.9284102	0.6341081	0.6910768	0.9164821	4.0007795
5835000000	1.518436449	1.518436449	-0.249159278	-4.21230528	-2.970431401	-1.112253076	0.971722	0.6157221	0.7103599	0.8798069	4.0214143
5835000000	1.518436449	1.570796327	0.322107245	-4.103284772	-1.073580031	-1.26995494	1.0377802	0.623499	0.6992315	0.8639771	4.1486149
5835000000	1.518436449	1.623156204	0.290058669	-3.717120893	-3.720557391	-1.025184188	1.0339581	0.6518444	0.6515866	0.8886706	4.1528479
5835000000	1.518436449	1.675516082	-0.422464567	-3.23422625	-4.85025557	-0.633147583	0.9525259	0.6891102	0.5721201	0.9296996	3.9275471
5835000000	1.518436449	1.72787596	-1.167199772	-2.74355526	-6.300406349	-0.51108080	0.8742588	0.7291592	0.4841497	0.9428565	3.6094687
5835000000	1.518436449	1.780235837	-1.407132724	-2.73897356	-7.45751749	-0.790438791	0.8504394	0.769671	0.4237641	0.9130153	3.3961028
5835000000	1.518436449	1.832595715	-1.603294692	-1.939651442	-7.72445093	-1.228709683	0.8314483	0.7998664	0.4109391	0.8680895	3.5282845
5835000000	1.518436449	1.884955592	-2.200776169	-1.961896339	-7.511364154	-1.509941129	0.7761778	0.7978205	0.4211451	0.8404327	3.0322262
5835000000	1.518436449	1.93731547	-2.511739842	-2.545848704	-7.682196822	-1.732107016	0.7488813	0.7459463	0.412943	0.8192089	2.6930737
5835000000	1.518436449	1.989675347	-1.799496367	-3.710452025	-8.719845113	-2.335179947	0.8128776	0.6523451	0.3664441	0.7642598	2.2652483
5835000000	1.518436449	2.042035225	-1.157632193	-5.008572495	-10.63603433	-3.567551886	0.8752223	0.5617866	0.2938991	0.6631662	1.5621525
5835000000	1.518436449	2.094395102	-1.536923009	-5.510524338	-12.19071604	-5.096467975	0.837826	0.5032416	0.2457334	0.5561304	0.7083201
5835000000	1.518436449	2.14675498	-2.772352179	-5.108250585	-11.00821514	-6.304167017	0.7267456	0.5553765	0.2815719	0.4839401	0.2044669
5835000000	1.518436449	2.199114858	-3.977030619	-4.708236136	-8.651309789	-7.525902885	0.6326281	0.5815515	0.3693469	0.4204408	0.0172129
5835000000	1.518436449	2.251474735	-4.757651499	-4.806664113	-7.10895592	-9.2954895	0.5782524	0.5749298	0.4411154	0.3429455	-0.276609
5835000000	1.518436449	2.303834613	-5.399964492	-5.35659848	-6.784521695	-10.14983779	0.537034	0.5397737	0.4579034	0.3108194	-0.69841
5835000000	1.518436449	2.35619449	-5.301283146	-6.196408779	-7.711890692	-9.491481895	0.5431701	0.4899814	0.4115338	0.3352941	-0.121301
5835000000	1.518436449	2.408554368	-4.675493802	-7.415330031	-9.581235987	-9.811410804	0.5837479	0.4258273	0.3318472	0.3231688	-1.594448
5835000000	1.518436449	2.460914245	-4.893161262	-9.338122815	-10.942717458	-11.41199873	0.569301	0.3412667	0.2837209	0.2687819	-2.715295
5835000000	1.518436449	2.513274123	-6.19596026	-12.06406638	-10.75532393	-10.58536142	0.4900067	0.2493427	0.2892234	0.2956187	-3.581584
5835000000	1.518436449	2.565634	-7.729709544	-14.91856578	-11.08720541	-8.102242535	0.4106904	0.179503	0.2790228	0.3934485	-3.994839
5835000000	1.518436449	2.617993878	-8.953573541	-17.288774048	-13.77139621	-7.12216615	0.356715	0.1366348	0.2048473	0.4044045	-4.892855
5835000000	1.518436449	2.670353756	-8.692034222	-19.21273425	-19.20067863	-7.392612544	0.3676193	0.1094872	0.1096393	0.4269425	-5.902512
5835000000	1.518436449	2.722713633	-6.185389485	-17.87519272	-15.43912706	-7.470899086	0.4060034	0.1277145	0.1690611	0.4231117	-4.361371
5835000000	1.518436449	2.775073511	-4.465063051	-15.38417272	-11.56484041	-6.838076062	0.5980629	0.1701341	0.2640937	0.4550889	-2.572164
5835000000	1.518436449	2.827433388	-4.890881374	-14.66252807	-11.07150527	-10.58536142	0.5694504	0.184873	0.2795276	0.483112	-2.401099
5835000000	1.518436449	2.879793266	-7.636205006	-15.72170726	-13.44600992	-6.366361325	0.4151354	0.1636495	0.2129462	0.4804873	-3.929366
5835000000	1.518436449	2.932153143	-11.48381181	-17.97842183	-17.87264902	-7.274049902	0.2665689	0.1262057	0.1277516	0.4326109	-6.437489
5835000000	1.518436449	2.984513021	-12.70181957	-21.20523337	-19.00676109	-9.511244321	0.2316909	0.0870439	0.1121145	0.3345321	-8.343041
5835000000	1.518436449	3.036872899	-14.03000499	-27.30979279	-18.85578263	-13.39453273	0.1988382	0.0431033	0.1140804	0.2313908	-10.90382
5835000000	1.518436449	3.089232776	-19.38010838	-34.63548362	-20.89933653	-18.55390342	0.1073976	0.018455	0.090164	0.1181149	-15.53991
5835000000	1.518436449	3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.570796327	-3.141592654	-21.91534299	-22.79366716	-20.12386043	-23.55774188	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	1.570796327	-3.089232776	-17.14585								

5835000000	1.570796327	-0.366519143	1.155388813	1.715372369	0.28546613	1.23895605	1.1422718	1.2183403	1.0334115	1.1533146	7.1345453
5835000000	1.570796327	-0.314159265	1.225951211	1.654063771	0.204441684	1.710903832	1.1515891	1.2097711	1.0238164	1.2177137	7.2400126
5835000000	1.570796327	-0.261799388	1.298180406	1.523347895	-0.3181417	1.881548318	1.1612053	1.1917012	0.9640353	1.2418737	7.1564404
5835000000	1.570796327	-0.20943951	1.188187617	1.505538338	-0.52680792	1.831618183	1.1465933	1.1892603	0.9411516	1.2347553	7.0663209
5835000000	1.570796327	-0.157079633	0.701436255	1.523134075	-0.151566141	1.570422447	1.0841062	1.1916719	0.9827017	1.1981774	6.9595846
5835000000	1.570796327	-0.104719755	-0.07932608	1.373862293	0.148124124	1.119869014	0.9909088	1.1713674	1.0171997	1.1376101	6.683214
5835000000	1.570796327	-0.052359878	-0.496638299	0.973383159	-0.216832974	0.66004785	0.9444263	1.1185854	0.9753452	1.0789527	6.2716706
5835000000	1.570796327	-4.44E-16	-0.187012866	0.410326745	-1.242904131	0.470273902	0.9786995	1.0483742	0.8666629	1.0556348	5.9099955
5835000000	1.570796327	0.052359878	0.076010247	-0.122162541	-2.129040196	0.652130067	1.0087894	0.9863034	0.7833934	1.0779696	5.7025604
5835000000	1.570796327	0.104719755	-0.431731683	-0.419245344	-0.847196573	1.025340507	0.9515101	0.9528789	0.8084258	1.1252966	5.6617519
5835000000	1.570796327	0.157079633	-1.666896417	-0.349202519	-0.997107615	1.364881323	0.8253824	0.960594	0.8915478	1.1701568	5.6833811
5835000000	1.570796327	0.20943951	-2.523261653	0.081950112	-0.566394916	1.581322793	0.7478886	1.0094795	0.936872	1.199682	5.7871452
5835000000	1.570796327	0.261799388	-1.877746373	0.738766175	-0.750330249	1.686174497	0.8055874	1.0887754	0.9172411	1.2142517	6.076564
5835000000	1.570796327	0.314159265	-0.742169181	1.440052197	-2.18305887	1.704019221	0.9181033	1.1803277	0.8691299	1.2167489	6.4181768
5835000000	1.570796327	0.366519143	-0.236858063	2.025776885	-1.514722358	1.652983393	0.9730992	1.262667	0.8399702	1.2096206	6.6191402
5835000000	1.570796327	0.41887902	-0.57443208	2.383286319	-1.493234386	1.565355073	0.9360055	1.3157225	0.8420508	1.1974786	6.6310914
5835000000	1.570796327	0.471238898	-1.450753569	2.465570248	-1.358752838	1.472306376	0.8461792	1.328246	0.8551895	1.1847189	6.4793782
5835000000	1.570796327	0.523598776	-2.09267182	2.300554939	-1.352735091	1.370967	0.7858984	1.30325	0.8557822	1.170977	6.2687124
5835000000	1.570796327	0.575958653	-1.865972346	1.975651822	-1.585485355	1.246759265	0.8066802	1.2554013	0.8331549	1.1543512	6.127616
5835000000	1.570796327	0.628318531	-1.338588343	1.604713005	-1.945358453	1.12669691	0.8571771	1.202917	0.799341	1.1385405	6.0160209
5835000000	1.570796327	0.680678408	-1.311252893	1.297546327	-2.079694819	1.076352907	0.8598791	1.1611206	0.7870734	1.131925	5.8893201
5835000000	1.570796327	0.730382826	-1.838258353	1.123566854	-1.81487932	1.131199722	0.8095282	1.1380945	0.8114393	1.1390951	5.7595852
5835000000	1.570796327	0.785398163	-2.39923257	1.067478665	-1.571252596	1.254973523	0.7586446	1.307691	0.8345212	1.1554434	5.7546427
5835000000	1.570796327	0.837758041	-2.541654658	1.046822829	-1.946549634	1.368186248	0.7463066	1.1280832	0.7992314	1.1706021	5.6755722
5835000000	1.570796327	0.890117919	-2.239532165	1.0030723501	-3.26733102	1.41876345	0.7727222	1.1224154	0.6864886	1.1765051	5.4788392
5835000000	1.570796327	0.942477796	-1.508588485	0.948016297	-5.228276496	1.3771004	0.8405636	1.1153234	0.5477548	1.1718041	5.2856008
5835000000	1.570796327	0.994837674	-0.567267233	0.90024863	-6.079647656	1.285304802	0.9367779	1.1209266	0.4966125	1.1594853	5.3483213
5835000000	1.570796327	1.047197551	0.092221517	0.800310858	-5.028641043	1.141138021	1.010674	1.0965174	0.5604901	1.1403992	5.5935229
5835000000	1.570796327	1.099557429	0.306006643	0.521386245	-4.104686957	0.902884645	1.0355853	1.061865	0.6233984	1.1095432	5.6448833
5835000000	1.570796327	1.151917306	0.393211374	-0.045244645	-4.243163927	0.526828174	1.0463105	0.9948046	0.6135385	1.0625305	5.3368361
5835000000	1.570796327	1.204277184	0.771597503	-0.906582026	-5.144956224	1.053408759	1.0928986	0.9008882	0.5530345	1.0061679	4.9912776
5835000000	1.570796327	1.256637061	1.384047926	-1.911216256	-5.606480192	-0.371152887	1.1727418	0.8024892	0.5244611	0.9581695	4.7554391
5835000000	1.570796327	1.308996939	1.6588911	-2.791790935	-4.745102544	-0.60352011	1.2104436	0.725121	0.5790884	0.9328762	4.7295589
5835000000	1.570796327	1.361356817	1.186657532	-3.392184554	-3.397939301	-0.685607106	1.1463913	0.6766916	0.6762434	0.9241014	4.6686233
5835000000	1.570796327	1.413716694	0.219230166	-3.808311654	-2.33757863	-0.843497501	1.025561	0.6450367	0.7640487	0.9074551	4.5979728
5835000000	1.570796327	1.466076572	-0.326608316	-4.174990935	-1.687783233	-1.215142011	0.963096	0.6183729	0.8234	0.8694466	4.2818104
5835000000	1.570796327	1.518436449	0.086325288	-4.449090449	-1.411186076	-1.611854731	1.0099881	0.5991637	0.8500426	0.8306293	4.3228527
5835000000	1.570796327	1.570796327	0.747353617	-4.46839634	-1.535760438	-1.633642292	1.0898524	0.5978334	0.8379382	0.8265484	4.4911077
5835000000	1.570796327	1.623156204	0.805575693	-4.184368118	-2.150082959	-1.21377572	1.0971823	0.6177057	0.780721	0.8695833	4.5195978
5835000000	1.570796327	1.675516082	0.115760153	-3.716431548	-3.3028626	-0.781282184	1.0134166	0.5618962	0.6836863	0.9139783	4.2516813
5835000000	1.570796327	1.72787596	-0.700215108	-3.150411015	-4.863287614	-0.73528676	0.9225486	0.695792	0.5712624	0.918831	3.8302332
5835000000	1.570796327	1.780235837	-0.986594438	-2.490504775	-6.347944318	-1.090184273	0.8926275	0.7507144	0.4815072	0.8820451	3.5417632
5835000000	1.570796327	1.832595715	-1.137090554	-1.839974695	-7.104656584	-1.497941341	0.8772946	0.8090983	0.4413338	0.8415946	3.4253458
5835000000	1.570796327	1.884955592	-1.732856797	-1.457506688	-7.221988854	-1.694337433	0.8191382	0.8455215	0.4354122	0.8227789	3.2955328
5835000000	1.570796327	1.93731547	-2.269371466	-1.608783547	-4.754631884	-1.953069631	0.7700722	0.8309321	0.4239049	0.7986317	2.9952537
5835000000	1.570796327	1.989675347	-1.796821419	-2.416847202	-8.23412213	-2.757224333	0.813128	0.7571077	0.3875198	0.7280124	2.5607696
5835000000	1.570796327	2.042035225	-1.149189628	-3.694249336	-9.23875403	-4.27058119	0.8760734	0.6535631	0.3451933	0.6112193	1.8895944
5835000000	1.570796327	2.094395102	-1.420622084	-4.745672405	-9.305585624	-6.430486906	0.8491197	0.5790504	0.3425474	0.4991793	1.0995223
5835000000	1.570796327	2.14675498	-2.560794925	-4.941402709	-8.069681788	-7.311291801	0.7446638	0.5661479	0.3949262	0.4309585	0.574256
5835000000	1.570796327	2.199114858	-3.704715352	-4.73642171	-6.762643816	-8.586532812	0.6527761	0.5796675	0.4590583	0.3721117	0.2719674
5835000000	1.570796327	2.251474735	-4.426180417	-4.807691329	-6.295287734	-10.36110788	0.6007461	0.5749306	0.4844351	0.3033504	-0.160149
5835000000	1.570796327	2.303834613	-5.125734451	-5.276023622	-7.083302731	-10.95561752	0.5542597	0.544752	0.4424201	0.2832821	-0.796705
5835000000	1.570796327	2.35619449	-5.29222388	-6.001191622	-9.503267373	-10.30698324	0.5437369	0.5011185	0.3348395	0.3052466	-1.488904
5835000000	1.570796327	2.408554368	-4.782459234	-7.035867621	-13.42264685	-10.76886264	0.5766032	0.4448429	0.2132391	0.2894389	-2.360194
5835000000	1.570796327	2.460914245	-4.896953278	-6.836778196	-13.81378581	-11.81855139	0.5690525	0.3699564	0.20385	0.2564912	-1.102017
5835000000	1.570796327	2.513274123	-6.041202807	-10.72723221	-11.19242033	-10.26116835	0.4988154	0.2908295	0.2756633	0.2686089	-3.272447
5835000000	1.570796327	2.565634	-7.506439585	-12.61321517	-10.87110165	-8.065670353	0.421384	0.2340665	0.286052	0.3951086	-3.500499
5835000000	1.570796327	2.617993878	-8.859609766	-14.39196233	-14.06525417	-7.338874205	0.3605948	0.1907225	0.1980329	0.4295921	-4.590749
5835000000	1.570796327	2.670353756	-9.001398501	-17.12107673	-22.05301332	-7.624670291	0.3547563	0.1392984	0.0789451	0.415687	-6.119425
5835000000	1.570796327	2.722713633	-6.542112036	-18.16508137	-14.52417495	-7.614227276	0.4708628	0.1235225	0.1878414	0.4161871	-4.448464
5835000000	1.570796327	2.775073511	-4.571513056	-15.77054212	-10.41864961	-7.000276681	0.590778	0.162732	0.3013474	0.4466694	-2.489938
5835000000	1.570796327	2.827433388	-4.710018602	-14.8135571	-10.08011907	-6.541369892	0.5814322	0.1816863	0.3133243	0.4709031	-2.228852
5835000000	1.570796327	2.879793266	-7.168783404	-16.07097225	-12.78912626	-6.638153556	0.4380875	0.1571996	0.2293737	0.4659177	-3.804911
5835000000	1.570796327	2.932153143	-11.0522799	-18.94068256	-18.36446207	-7.590658247	0.280147	0.1212907	0.1207194	0.4417318	-6.40416
5835000000	1.570796327	2.984513021	-12.84248177	-22.51826814	-19.80823033	-9.861135197	0.2279691	0.0748319	0.1022324	0.3213241	-8.797593
5835000000	1.570796327	3.036872899	-14.25896958	-28.12313938	-18.98911276	-13.72122903	0.1936652	0.0392503	0.1135127	0.2060338	-11.17455
5835000000	1.570796327	3.089232776	-19.51426307	-33.50708856	-20.76616899	-18.71954945	0.1057516	0.0211176	0.091557	0.1158837	-15.53761
5835000000	1.570796327	3.147592654	-21.91534299	-2							

5835000000	1.623156204	-0.471238898	1.110264399	1.050844159	-1.040692792	-0.700170219	1.1363529	1.1286056	0.8870853	0.9225533	6.1810935
5835000000	1.623156204	-0.41887902	1.150524946	1.648628553	-0.34799308	0.157725853	1.1416323	1.2090143	0.9607278	1.0183247	6.7085544
5835000000	1.623156204	-0.366519143	1.132205497	1.866271213	0.264810837	1.071969928	1.139227	1.2216913	1.030957	1.1313539	7.1228686
5835000000	1.623156204	-0.314159265	1.210999786	1.740342157	0.191652863	1.681753182	1.1496086	1.2218478	1.0223101	1.2136338	7.2485189
5835000000	1.623156204	-0.261799388	1.294518564	1.522797172	-0.356643165	1.926947347	1.1607159	1.1916257	0.9597715	1.2483816	7.1596392
5835000000	1.623156204	-0.20943951	1.184673809	1.448382154	-0.612000186	1.877585371	1.1461295	1.1814602	0.9319658	1.2413072	7.0543155
5835000000	1.623156204	-0.157079633	0.68413115	1.463252606	-0.237545729	1.580882095	1.0819484	1.1834487	0.9730221	1.1996211	6.9232954
5835000000	1.623156204	-0.104719755	-0.112873933	1.339655043	0.102453636	1.103433535	0.987089	1.1667633	1.0118653	1.1354596	6.6511466
5835000000	1.623156204	-0.052359878	-0.522405573	0.963001647	-0.224829553	0.644830407	0.9416288	1.1172493	0.9744477	1.077064	6.2570602
5835000000	1.623156204	-4.44E-16	-0.187012909	0.410326655	-0.242996509	0.470273998	0.9786995	1.0483472	0.8666628	1.0556348	5.9099595
5835000000	1.623156204	0.052359878	0.081590975	1.01944901	-2.147449573	0.654774858	1.0094378	0.9863471	0.7809577	1.0782979	5.6999788
5835000000	1.623156204	0.104719755	-0.446864807	-0.409200692	-1.890409675	1.014624099	0.9498538	0.9539815	0.8044138	1.1239091	5.6482688
5835000000	1.623156204	0.157079633	-1.706881705	-0.328157497	-1.034428646	1.33258376	0.8215915	0.9629243	0.8877252	1.1658138	5.6616234
5835000000	1.623156204	0.20943951	-2.529919706	0.100649409	-0.610462388	1.519106497	0.7473155	1.0116551	0.9321308	1.1911195	5.7610051
5835000000	1.623156204	0.261799388	-1.804470738	0.731511253	-0.817945802	1.587586997	0.8124122	1.0878664	0.9101285	1.2005475	6.0443551
5835000000	1.623156204	0.314159265	-0.646878877	1.389906214	-1.296814193	1.576690073	0.928231	1.175333	0.8613096	1.1990423	6.3656835
5835000000	1.623156204	0.366519143	-0.193477998	1.926842387	-1.550957842	1.522884738	0.9779713	1.2483665	0.8364733	1.1916377	6.5562663
5835000000	1.623156204	0.41887902	-0.654113559	2.236700312	-1.54164563	1.466256455	0.9274582	1.2937043	0.8460923	1.183894	6.549526
5835000000	1.623156204	0.471238898	-1.672028085	2.277818422	-1.286372962	1.431675047	0.8248949	1.2988431	0.8623456	1.1791899	6.3743555
5835000000	1.623156204	0.523598776	-2.293150062	2.085508749	-1.375319218	1.403328052	0.7679669	1.2713802	0.85356	1.1753478	6.1675631
5835000000	1.623156204	0.575958653	-1.85580181	1.75826356	-1.856065313	1.349118108	0.8076253	1.2243714	0.8076008	1.1680351	6.0371581
5835000000	1.623156204	0.628318531	-1.183390662	1.425382198	-2.52106536	1.266843862	0.8726307	1.1783359	0.7480777	1.1570235	5.9246747
5835000000	1.623156204	0.680678408	-1.146805667	1.207468259	-2.725345255	1.183156993	0.8763139	1.1491412	0.7306893	1.1456919	5.8047812
5835000000	1.623156204	0.730383286	-1.798887982	1.152578785	-2.171872868	1.112693353	0.8129346	1.1419023	0.7788173	1.1366707	5.7343846
5835000000	1.623156204	0.785398163	-2.634411955	1.180571391	-1.583625691	1.074351339	0.7383791	1.1455883	0.8333333	1.1316642	5.686279
5835000000	1.623156204	0.837758041	-3.085947407	1.135854144	-1.763478674	1.078339611	0.7009752	1.1397057	0.8162554	1.1321839	5.5501676
5835000000	1.623156204	0.890119719	-2.942178215	0.914757871	-1.316844771	1.151545098	0.7126743	1.111061	0.6984861	1.1369916	5.2471539
5835000000	1.623156204	0.942477796	-2.177822587	0.534772996	-5.637070527	1.149558644	0.7828316	1.0635028	0.5225724	1.1415053	4.8751729
5835000000	1.623156204	0.994837674	-1.11509309	0.097108459	-7.700253997	1.147511049	0.8795192	1.0112428	0.4101921	1.1412362	4.7160977
5835000000	1.623156204	1.047197551	-0.354266324	-0.328173984	-6.887584648	1.082326277	0.9600342	0.9629224	0.4525042	1.1327703	4.8809899
5835000000	1.623156204	1.099557429	-0.07317744	-0.790962108	-5.365875959	0.915960574	0.9916105	0.9129603	0.5391458	1.1121248	4.9960246
5835000000	1.623156204	1.151917306	0.085493389	-1.417317384	-7.404591527	0.622435851	1.0098914	0.8944428	0.5817956	1.0742906	4.8898455
5835000000	1.623156204	1.204277184	0.556842867	-2.267981329	-4.420601713	0.2505735	1.0662085	0.7701954	0.6011321	1.0292685	4.7779871
5835000000	1.623156204	1.256637061	1.262365734	-3.205170658	-3.689579556	-0.074796603	1.1564272	0.6814193	0.6538848	0.9914257	4.8437619
5835000000	1.623156204	1.308996939	1.61361456	-3.909349782	-2.534646663	-0.262250865	1.2041504	0.6375768	0.746909	0.9702585	5.0057027
5835000000	1.623156204	1.361356817	1.189328132	-4.196459708	-0.371518277	-0.371518277	1.1467438	0.6168464	0.8396622	0.9581292	5.0122581
5835000000	1.623156204	1.4137116694	0.230786976	-4.245609563	-0.884009727	-0.563038491	1.0269265	0.6133658	0.9032324	0.9372341	4.8128785
5835000000	1.623156204	1.466076572	-0.312967289	-4.314840304	-0.6043965	-0.87714301	0.9646097	0.608496	0.932782	0.9309468	4.6340671
5835000000	1.623156204	1.518436449	0.150720484	-4.457740441	-0.062988008	-1.091496184	1.0175038	0.5985673	0.9329333	0.8891119	4.6876024
5835000000	1.623156204	1.570796327	0.886376164	-4.542527712	-0.893495558	-0.9576035	1.1074364	0.5927528	0.9022465	0.8956118	4.8559144
5835000000	1.623156204	1.623156204	1.004053692	-4.453977259	-1.564361546	-0.608683849	1.1225422	0.5988267	0.8351835	0.9323217	4.8331062
5835000000	1.623156204	1.675516082	0.329585359	-4.223417156	-0.428354664	-0.428354664	1.038674	0.6149349	0.7351543	0.9518801	4.4560024
5835000000	1.623156204	1.72787596	-0.529340158	-3.876242362	-4.110369951	-0.645689049	0.9408773	0.6400117	0.6229908	0.9283581	3.8964949
5835000000	1.623156204	1.780235837	-0.844687134	-3.317511909	-5.515688324	-1.159832468	0.9073308	0.6825342	0.5299264	0.8750007	3.5067334
5835000000	1.623156204	1.832595715	-0.963968615	-2.552408951	-6.47628163	-1.640887123	0.8945958	0.7453831	0.474445	0.8278576	3.3541473
5835000000	1.623156204	1.884955592	-1.562308392	-1.860884299	-0.7075818631	-1.998337215	0.835381	0.8071529	0.4428015	0.7944803	3.1666938
5835000000	1.623156204	1.93731547	-2.269383145	-1.605086164	-7.822620076	-2.599075486	0.7700711	0.8312769	0.4063207	0.7413891	2.7630778
5835000000	1.623156204	1.989675347	-1.98956038	-2.007954235	-8.934770891	-3.817904748	0.7952835	0.793611	0.357488	0.6443247	2.2477336
5835000000	1.623156204	2.042035225	-1.331456914	-3.044400678	-9.687348779	-5.59028969	0.8578812	0.7043361	0.3278178	0.5253945	1.639288
5835000000	1.623156204	2.094395102	-1.507459312	-4.303311858	-8.866377686	-7.165367382	0.8406729	0.6093045	0.360314	0.4382598	1.0174565
5835000000	1.623156204	2.14675498	-2.571173499	-5.104205936	-7.134722949	-8.053268982	0.7437746	0.5556351	0.4398087	0.3956731	0.5669165
5835000000	1.623156204	2.199114858	-3.689876916	-5.345260378	-9.008697648	-11.511538922	0.6538922	0.5404269	0.511153	0.454583	0.2564512
5835000000	1.623156204	2.251474735	-4.413284438	-5.57246036	-5.508623508	-9.924898585	0.6016387	0.5264741	0.5303576	0.3189738	-0.098515
5835000000	1.623156204	2.303834613	-5.210218525	-6.05757128	-6.44540508	-6.6671048	0.5488947	0.4978763	0.4761346	0.3292376	-0.667198
5835000000	1.623156204	2.35619449	-5.596452725	-6.70616365	-8.933738276	-9.236945179	0.5250218	0.462053	0.3575305	0.34252651	-1.463531
5835000000	1.623156204	2.408554368	-5.10304474	-7.518894474	-12.5405454	-9.801652227	0.5557094	0.4207802	0.326033	0.3253521	-2.292466
5835000000	1.623156204	2.460914245	-5.036673454	-8.637209355	-12.61351555	-10.16584544	0.559972	0.369947	0.2340682	0.3102471	-2.649269
5835000000	1.623156204	2.513274123	-6.020084535	-9.816949704	-10.42740926	-8.942107612	0.5000297	0.3229628	0.3010437	0.3571862	-2.608195
5835000000	1.623156204	2.565634	-7.505335903	-10.65896646	-10.48991585	-7.752793401	0.4214375	0.2931242	0.2988851	0.4096004	-2.956214
5835000000	1.623156204	2.617993878	-8.988933861	-11.8476248	-14.33078616	-7.637596473	0.3552657	0.2556341	0.1920705	0.4150689	-4.307375
5835000000	1.623156204	2.670353756	-9.27469735	-14.67502409	-23.88990169	-8.061732322	0.3437678	0.1903811	0.0639006	0.3952878	-6.078666
5835000000	1.623156204	2.722713633	-6.834677988	-16.73000104	-13.43100023	-7.928280282	0.4552669	0.1474008	0.2130345	0.401408	-4.314002
5835000000	1.623156204	2.775073511	-4.715257644	-9.529124481	-9.30774273	-7.30077423	0.5810816	0.1755066	0.3338442	0.4314806	-2.372804
5835000000	1.623156204	2.827433388	-4.642224639	-14.20781951	-9.369017364	-6.903337666	0.5859881	0.194809	0.340055	0.4516823	-2.088597
5835000000	1.623156204	2.879793266	-6.863054928	-15.6617192	-12.3416002	-7.039025167	0.453782	0.1647836	0.2415016	0.4446812	-3.710065
5835000000	1.623156204	2.932153143	-10.69825527	-19.21540037	-18.94448019	-8.022448621	0.2918013	0.1094356	0.1129213	0.3970796	-6.827794
5835000000	1.623156204	2.984513021	-12.9394541	-23.54293382	-10.67898403	-10.29799108	0.2254381	0.0665048	0.0924806	0.3055628	-9.24379
5835000000	1.623156204	3.036872899	-14.482								

5835000000	1.675516082	-0.575958653	0.307787686	-0.05931563	-0.401937253	-0.715139593	1.0360707	0.9931943	0.9547796	0.9209648	5.8118417
5835000000	1.675516082	-0.523598776	0.795268664	0.471394458	-0.745058638	-0.986848477	1.0958811	1.055771	0.9177979	0.8926014	5.9378022
5835000000	1.675516082	-0.471238898	1.129197941	1.225286716	-0.929700941	-0.824774241	1.1388326	1.151501	0.8984935	0.9094133	6.2313488
5835000000	1.675516082	-0.41887902	1.166291477	1.810337498	-0.355355397	-0.064894685	1.1437065	1.2317338	0.9599138	0.9925566	6.7049658
5835000000	1.675516082	-0.366519143	1.142617549	1.995817033	0.23340363	-0.891493236	1.1405935	1.5831939	1.0272284	1.108089	7.1094174
5835000000	1.675516082	-0.314159265	1.215134817	1.807453758	0.170477926	1.598016777	1.150156	1.231325	1.0198209	1.2019901	7.2477004
5835000000	1.675516082	-0.261799388	1.289887328	1.508772189	-0.393334991	1.913963037	1.1600972	1.15897031	0.9557258	1.2465168	7.1435271
5835000000	1.675516082	-0.20943951	1.16907739	1.379813947	-0.690402422	1.882641446	1.1440734	1.1721703	0.9235914	1.24203	7.0085574
5835000000	1.675516082	-0.157079633	0.655069215	1.393809396	-0.203251661	1.572034495	1.0783344	1.1740605	0.9637929	1.1983998	6.8772029
5835000000	1.675516082	-0.104719755	0.156131556	1.299463627	0.056116568	1.082117742	0.9826943	1.1613769	1.0064816	1.1326765	6.6148264
5835000000	1.675516082	-0.052359878	-0.547979703	0.950296549	-0.234829252	0.629560073	0.9388604	1.1156162	0.9733265	1.0751721	6.241378
5835000000	1.675516082	-4.44E-16	-0.187013043	0.41032649	-1.242996638	0.470273965	0.9786995	1.0483742	0.8666628	1.0563648	5.9095994
5835000000	1.675516082	0.052359878	0.087433846	-0.115375093	-1.273257181	0.65806064	1.010117	0.9868048	0.7786408	1.0870508	5.6982392
5835000000	1.675516082	0.104719755	-0.456150555	-0.39642625	-1.9389786	1.004848755	0.9488389	0.9553856	0.7999283	1.122645	5.6361103
5835000000	1.675516082	0.157079633	-1.731727184	-0.304209104	-1.079966899	1.29859292	0.8192447	0.9655829	0.8830833	1.1612605	5.641496
5835000000	1.675516082	0.20943951	-2.522448231	0.116752792	-0.652632053	1.449085568	0.7479586	1.0135324	0.9276164	1.1815559	5.7351008
5835000000	1.675516082	0.261799388	-1.736251193	0.708609098	-0.866223397	1.472107963	0.8188181	1.0850018	0.9050839	1.1846918	6.0066818
5835000000	1.675516082	0.314159265	-0.567727222	1.306893914	-1.35643217	1.4231512	0.9367283	1.1623708	0.855418	1.1780333	6.3037633
5835000000	1.675516082	0.366519143	-0.161304114	1.780910053	-1.613586182	1.364805762	0.9816006	1.2275678	0.8304638	1.1701466	6.4645856
5835000000	1.675516082	0.41887902	-0.730754478	2.039935376	-1.495558031	1.355451018	0.9193106	1.2647269	0.8418258	1.1688871	6.4335252
5835000000	1.675516082	0.471238898	-1.881553021	2.05245977	-1.303076631	1.417021414	0.8052345	1.2665519	0.8606888	1.1772022	6.2555547
5835000000	1.675516082	0.523598776	-2.493030545	1.85970683	-1.404374583	1.510696494	0.7504962	1.2387548	0.8507095	1.1899567	6.085344
5835000000	1.675516082	0.575958653	-1.891847166	1.562618227	-2.006588908	1.573171515	0.8042807	1.1971013	0.7937259	1.1985567	6.0068319
5835000000	1.675516082	0.628318531	-1.124089273	1.292506013	-2.9501833	1.5716228	0.8786088	1.160447	0.7120067	1.198343	5.9100345
5835000000	1.675516082	0.680678408	-1.090323638	1.164247311	-1.50208793	1.502080793	0.8820309	1.1434373	0.6743803	1.188787	5.7753449
5835000000	1.675516082	0.730383286	-1.835276726	1.19369271	-2.800251507	1.363604705	0.809536	1.1473202	0.724415	1.1699848	5.6914479
5835000000	1.675516082	0.785398163	-2.889034895	1.252352621	-1.950370618	1.175702619	0.717048	1.1530048	0.7887799	1.1494963	5.6114969
5835000000	1.675516082	0.837758041	-3.631296805	1.151108783	-1.897125506	0.994180741	0.6583171	1.141709	0.8037921	1.121267	5.4021244
5835000000	1.675516082	0.890117919	-3.676360753	0.765348181	-3.116129838	0.865095099	0.6549105	1.0921126	0.6985436	1.1047265	4.9846843
5835000000	1.675516082	0.942477796	-2.925073053	0.092414469	-5.781974915	0.781481168	0.7140791	1.0106964	0.5139268	1.0941429	4.4357031
5835000000	1.675516082	0.994837674	-1.789543304	-0.758107392	-8.858386054	0.705434166	0.8138096	0.9164202	0.3606456	1.0846053	4.0155897
5835000000	1.675516082	1.047197551	-0.961093092	-1.630974611	-8.420667487	0.594541586	0.8952521	0.8288029	0.3792858	1.0708461	4.0120502
5835000000	1.675516082	1.099557429	-0.625406742	-2.438647635	-6.16268685	0.402118529	0.9305285	0.7552098	0.4918874	1.047384	4.1500203
5835000000	1.675516082	1.151917306	-0.405650976	-3.217972367	-4.610365531	0.115606872	0.9543715	0.690401	0.5881414	1.0133987	4.2072066
5835000000	1.675516082	1.204277184	0.124421225	-0.4015074329	-3.473707315	-0.180219822	1.0144276	0.6298633	0.6703701	0.9794652	4.3342047
5835000000	1.675516082	1.256637061	0.866381321	-4.687383589	-2.322416566	-0.345197265	1.1048901	0.5829493	0.7653836	0.9610371	4.6453322
5835000000	1.675516082	1.308996399	1.232544562	-4.920047294	-1.263945966	-0.346865843	1.1524636	0.5675415	0.8645751	0.9608525	4.9277849
5835000000	1.675516082	1.361356817	0.804680358	-4.623170496	-0.567486576	-0.319075191	1.0970692	0.5877249	0.9367542	0.9639317	5.0692551
5835000000	1.675516082	1.413716694	-0.158877333	-0.492464564	-0.314082027	-0.404617009	0.9818748	0.6242762	0.9644859	0.9544851	4.9228833
5835000000	1.675516082	1.466076572	-0.65387902	-3.643532234	-0.241063827	-0.560404282	0.9274832	0.6573904	0.9526795	0.9375184	4.7986749
5835000000	1.675516082	1.518436449	-0.096521928	-3.395950974	-0.70753124	-0.55911444	0.988949	0.6763982	0.9151103	0.9376576	4.905601
5835000000	1.675516082	1.570796327	0.701113571	-3.31795642	-1.315467697	-0.314285982	1.0840659	0.6824993	0.8594619	0.9644633	5.0824752
5835000000	1.675516082	1.623156204	0.840795571	-3.341178082	-2.100534433	-0.08088782	1.1016402	0.680677	0.7851873	0.9907307	5.0040932
5835000000	1.675516082	1.675516082	0.159129555	-3.44279312	-3.165219383	-0.167765265	1.0184893	0.6727603	0.6946068	0.9880706	4.5235851
5835000000	1.675516082	1.72787596	-0.724383039	-3.588710697	-4.404973508	-0.658466857	0.9199852	0.6615527	0.6022147	0.9269934	3.8366912
5835000000	1.675516082	1.780235837	-1.04242567	-3.608246235	-5.557804738	-1.357992824	0.8869083	0.6600665	0.5273631	0.8525643	3.3155733
5835000000	1.675516082	1.832595715	-1.139453096	-3.283880335	-6.481090483	-2.003552687	0.877056	0.6851821	0.4741824	0.7940033	3.0164299
5835000000	1.675516082	1.884955592	-2.696072137	-1.75517659	-2.702488677	-3.88153665	0.817036	0.7313516	0.4251729	0.7326146	2.6323075
5835000000	1.675516082	1.93731547	-2.587173894	-2.25111374	-8.822288603	-3.88153665	0.7424057	0.7716926	0.3621476	0.6396217	1.9931554
5835000000	1.675516082	1.989675347	-2.413190686	-2.325088224	-10.63901729	-5.715460354	0.7574264	0.7651482	0.2937984	0.5178774	1.3423492
5835000000	1.675516082	2.042035225	-1.70438857	-3.052737199	-11.32913776	-7.531164516	0.8218273	0.7036604	0.2713583	0.4021862	0.8984803
5835000000	1.675516082	2.094395102	-1.783697358	-4.258406943	-9.551596645	-8.186924157	0.8143576	0.6124627	0.3329815	0.3896313	0.6258764
5835000000	1.675516082	2.14675498	-2.784030687	-5.455621973	-7.272505033	-8.316410428	0.7257691	0.5336038	0.4328872	0.3838659	0.3244739
5835000000	1.675516082	2.199114858	-3.920941296	-6.251018089	-5.33846017	-8.818367489	0.6367265	0.4869105	0.5167824	0.3623111	0.01185
5835000000	1.675516082	2.251474735	-4.73383272	-6.810520323	-5.140304951	-8.820973209	0.5798403	0.4565349	0.5533307	0.3622024	-0.211412
5835000000	1.675516082	2.303834613	-5.697618314	-7.400695445	-5.537096155	-7.981669987	0.5189423	0.4265454	0.5286219	0.3998483	-0.569576
5835000000	1.675516082	2.35619449	-6.242288428	-7.962135479	-6.892412838	-7.66312469	0.4874001	0.3998464	0.4522508	0.4138508	-1.143237
5835000000	1.675516082	2.408554368	-5.601958169	-8.416104127	-6.843496355	-8.118509172	0.5246892	0.3794852	0.3696793	0.3927123	-1.58415
5835000000	1.675516082	2.460914245	-5.271641345	-8.785887473	-9.308844034	-8.167326817	0.5450269	0.3636608	0.342419	0.3905113	-1.75117
5835000000	1.675516082	2.513274123	-6.117778384	-8.911897964	-9.065323607	-7.513001744	0.4944371	0.3584306	0.352155	0.4210657	-1.797717
5835000000	1.675516082	2.565634	-7.720799848	-8.96383778	-10.05845006	-7.312917563	0.4111119	0.3562937	0.3141069	0.4308778	-0.4472329
5835000000	1.675516082	2.617993878	-9.346272622	-9.807849126	-14.454234365	-7.934266158	0.3049466	0.3233014	0.18936	0.4011314	-2.492923
5835000000	1.675516082	2.670353756	-9.4929502	-12.13773401	-22.00298864	-8.567328579	0.3352374	0.2472369	0.0794055	0.3729354	-5.723344
5835000000	1.675516082	2.722713633	-7.024790254	-14.66020473	-12.42789523	-8.31496003	0.4454105	0.1849225	0.2391141	0.38393	-0.058965
5835000000	1.675516082	2.775073511	-4.876512679	-13.99070445	-8.914842297	-7.702787856	0.5703932	0.1997399	0.3583091	0.4119653	-2.267887
5835000000	1.675516082	2.827433388	-4.673537398	-13.28366883	-7.397228411	-7.397228411	0.5838794	0.166789	0.3576481	0.4267157	-2.020442
5835000000	1.675516082	2.879793266	-6.703361149	-14.84101458	-12.11396343	-7.584288119	0.4622021	0.1811129	0.2479144	0.4176241	-3.682779
5835000000	1.675516082	2.932515313	-10.44177476								

5835000000	1.72787596	-0.680678408	0.482107642	0.338853958	-1.5556	-0.076752344	1.057074	1.039783	0.8360264	0.9912025	5.8541701
5835000000	1.72787596	-0.628318531	0.219804347	0.07799001	-0.600326967	-0.126766269	1.0256288	1.0090194	0.9332192	0.9855115	5.9187687
5835000000	1.72787596	-0.575958653	0.35695439	0.157014877	-0.192947491	-0.408396461	1.041952	1.0182414	0.978031	0.9540699	6.003851
5835000000	1.72787596	-0.523598776	0.846264581	0.663606784	-0.532522524	-0.733138616	1.1023341	1.0793948	0.9405326	0.9190583	6.1098646
5835000000	1.72787596	-0.471238898	1.172906866	1.173875032	-0.817307373	-0.738895526	1.1445779	1.1716388	0.9101954	0.9101954	6.3296004
5835000000	1.72787596	-0.41887902	1.208837215	1.929490726	-0.364813354	-0.1696441	1.1493224	1.2487472	0.9588691	0.9806585	6.7234845
5835000000	1.72787596	-0.366519143	1.183192007	2.083456926	-0.191849618	0.720413101	1.145934	1.1271099	1.0223332	1.0864773	7.0933451
5835000000	1.72787596	-0.314159265	1.23797676	1.844632914	0.141273078	1.466084634	1.1531846	1.2366068	1.0163977	1.1838706	7.2157668
5835000000	1.72787596	-0.261799388	1.285114118	1.476898942	-0.428706601	1.841269605	1.1594598	1.1853579	0.9518416	0.9518416	7.1067072
5835000000	1.72787596	-0.20943951	1.142117608	1.299211965	-0.167562449	1.843136919	1.1405278	1.1613432	0.9160557	1.2363939	6.9550296
5835000000	1.72787596	-0.157079633	0.614450694	1.315311131	-0.398755341	1.541067137	1.0733035	1.1634978	0.9551294	1.1941348	6.8209023
5835000000	1.72787596	-0.104719755	-0.195544364	1.253721224	0.009835973	1.054912775	0.9777386	1.1552768	1.001133	1.1291344	6.5472832
5835000000	1.72787596	-0.052359878	-0.573245954	0.935387507	-0.246640025	0.614171694	0.9361333	1.113703	0.9720039	1.073269	6.2247097
5835000000	1.72787596	-4.44E-16	-0.187012847	0.410326685	-0.242996616	0.470273595	0.9786995	1.0483742	0.8666628	1.056348	5.9099594
5835000000	1.72787596	0.052359878	0.093622383	-0.110134381	-0.197649516	0.662122177	1.010837	0.9874004	0.7764572	1.0792104	5.69742
5835000000	1.72787596	0.104719755	-0.459161479	-0.381555863	-1.992739465	0.996620231	0.94851	0.9570226	0.7949925	1.121582	5.6254571
5835000000	1.72787596	0.157079633	-1.740922942	-0.279121559	-1.133219764	1.264046497	0.8183778	0.9683758	0.8776857	1.156651	5.623146
5835000000	1.72787596	0.20943951	-2.503452959	0.12813963	-0.691785115	1.33737402	0.7495962	1.014862	0.9234444	1.1713015	5.7093549
5835000000	1.72787596	0.261799388	-1.680485536	0.669554125	-0.84950513	1.344023341	0.824092	1.0801342	0.9021328	1.1673502	5.9633218
5835000000	1.72787596	0.314159265	-0.515262655	1.193668934	-1.399523792	1.25019482	0.9424034	1.147317	0.8511847	1.1548079	6.2259096
5835000000	1.72787596	0.366519143	-0.152226477	1.594269787	-1.708534164	1.48592917	0.982627	1.2014715	0.8214352	1.1461188	6.34382
5835000000	1.72787596	0.41887902	-0.81158302	1.802372165	-1.629417261	1.228189464	0.9107954	1.2360648	0.8289515	1.1518859	6.2820607
5835000000	1.72787596	0.471238898	-2.074303857	1.799501637	-1.407082146	1.396613017	0.7875621	1.2301982	0.8504496	1.1744395	6.1172717
5835000000	1.72787596	0.523598776	-2.689100395	1.627562116	-1.431236265	1.616248022	0.7337447	1.2060855	0.8480827	1.204515	6.0041429
5835000000	1.72787596	0.575958653	-1.989048322	1.676096983	-1.999709683	1.787604181	0.7953304	1.1717379	0.7943548	1.2285143	5.9987217
5835000000	1.72787596	0.628318531	-1.180823206	1.163410223	-1.314681951	1.863950154	0.8728886	1.1433371	0.69866	1.2393601	5.9206516
5835000000	1.72787596	0.680678408	-1.159308486	1.084676473	-4.049643475	1.848205647	0.8750534	1.1330102	0.6273614	1.2371156	5.7393199
5835000000	1.72787596	0.733038286	-1.956907602	1.130401157	-3.688298795	1.745557711	0.7982788	1.1389904	0.654011	1.2225817	5.6606694
5835000000	1.72787596	0.785398163	-3.149550697	1.15794913	-2.645573099	1.565057843	0.6958609	1.1426085	0.7374309	1.1968203	5.5124931
5835000000	1.72787596	0.837758041	-4.125207074	0.988961935	-2.25451959	1.318557842	0.6129273	1.1205935	0.7713101	1.1639328	5.2910765
5835000000	1.72787596	0.890117919	-4.368983794	0.513240641	-3.097834337	1.057715714	0.6047151	1.1068696	0.7000165	1.1294988	4.8485924
5835000000	1.72787596	0.942477796	-3.679062551	-0.277967603	-5.283342539	0.816248495	0.6547068	0.9685044	0.5442932	1.0985313	4.2598187
5835000000	1.72787596	0.994837674	-2.522878519	-1.303492131	-7.945623829	0.62113807	0.7479216	0.8606477	0.4006073	1.0741301	3.7597345
5835000000	1.72787596	1.047197551	-1.654511413	-2.422482534	-0.400299588	0.449385933	0.8265601	0.7566166	0.3962644	1.0530992	3.6155317
5835000000	1.72787596	1.099557429	-1.259270517	-3.480263205	-6.112644021	0.217189399	0.8650406	0.6698643	0.4947295	1.0253201	3.6794949
5835000000	1.72787596	1.151917306	-0.967657109	-4.367101765	-4.519322168	-0.131084855	0.8945758	0.6048461	0.5943385	0.9850216	3.7469791
5835000000	1.72787596	1.204277184	-0.401673042	-5.034373706	-3.332010972	-0.511762032	0.9548087	0.5601203	0.6813958	0.9427833	3.9155255
5835000000	1.72787596	1.256637061	0.318485666	-5.401011726	-2.262586086	-0.744303303	1.0373475	0.5369692	0.770674	0.9178777	4.2513915
5835000000	1.72787596	1.308996939	0.630891399	-5.311494748	-1.385032765	-0.780472028	1.075337	0.5425319	0.852606	0.9140636	4.5693889
5835000000	1.72787596	1.361356817	0.145502538	-4.73830869	-0.918983005	-0.791692825	1.0168927	0.5795415	0.8996029	0.9128835	4.6317379
5835000000	1.72787596	1.4137116694	-0.828932133	-3.907498199	-0.956778149	-0.937662605	0.908978	0.6377127	0.8956969	0.8976703	4.5448404
5835000000	1.72787596	1.466076572	-1.225361297	-3.112619747	-1.44229894	-1.131511886	0.8684242	0.6988259	0.8470032	0.8778583	4.3288912
5835000000	1.72787596	1.518436449	-0.554067366	-2.541618048	-2.241187778	-1.104581404	0.9382026	0.7463097	0.7725757	0.8805843	4.4482741
5835000000	1.72787596	1.570796327	0.270114915	-2.247590846	-3.221478115	-0.822731914	1.0315867	0.7270056	0.6901224	0.9096271	4.6175115
5835000000	1.72787596	1.623156204	0.380143441	-2.192005852	-4.571778652	-0.615050008	1.0447375	0.7769619	0.6084306	0.9316387	4.5107565
5835000000	1.72787596	1.675516082	-0.347426423	-2.314827233	-5.474055004	-0.770904169	0.9607905	0.7660527	0.5324726	0.915071	4.0125968
5835000000	1.72787596	1.72787596	-1.262776338	-2.567789357	-5.286891174	-1.280445621	0.8646915	0.7440064	0.4715909	0.8629343	3.3560349
5835000000	1.72787596	1.780235837	-1.586435494	-2.868646788	-7.282061343	-1.188449855	0.8336037	0.7187331	0.4324112	0.8045953	2.887758
5835000000	1.72787596	1.832595715	-1.695064858	-3.005085511	-7.884430259	-2.454506195	0.82271	0.7038753	0.4034396	0.7538322	2.5545877
5835000000	1.72787596	1.884955592	-2.364702098	-2.970142008	-8.835272335	-3.264407527	0.7616666	0.7103836	0.3616066	0.6867199	2.008709
5835000000	1.72787596	1.93731547	-3.276617321	-2.747877068	-10.54880121	-4.67433651	0.6857552	0.7287963	0.2968656	0.5838257	1.1959728
5835000000	1.72787596	1.989675347	-3.06065931	-2.723592019	-12.58212944	-6.402955834	0.703019	0.7308368	0.2349057	0.4784672	0.616966
5835000000	1.72787596	2.042035225	-2.218776526	-3.169110747	-12.37995023	-7.223280734	0.7745709	0.6942957	0.2404377	0.4353474	0.6065533
5835000000	1.72787596	2.094395102	-2.19520546	-4.126296498	-9.904721045	-7.02649961	0.7766757	0.6218493	0.3197157	0.4543229	0.6827935
5835000000	1.72787596	2.14675498	-3.156499772	-5.395347388	-7.681317284	-7.200611807	0.6953045	0.5373195	0.4129849	0.4364851	0.3944065
5835000000	1.72787596	2.199114858	-4.378897366	-6.653222241	-6.29649439	-7.928715579	0.6040253	0.4648779	0.4881098	0.4013387	-0.182568
5835000000	1.72787596	2.251474735	-5.397491113	-7.71446216	-5.438398606	-7.892344295	0.5371869	0.4114119	0.5346629	0.4030721	-0.508228
5835000000	1.72787596	2.303834613	-6.610606222	-8.552527806	-5.254355453	-7.064316556	0.4671643	0.3735714	0.5461126	0.4433882	-0.770455
5835000000	1.72787596	2.35619449	-7.186276137	-9.033075123	-6.565255148	-6.814721396	0.4372061	0.3534649	0.5208795	0.4563141	-0.107162
5835000000	1.72787596	2.408554368	-6.172188461	-9.024808678	-6.483029361	-7.100621054	0.4913496	0.3538014	0.4740766	0.4541389	-1.106565
5835000000	1.72787596	2.460914245	-5.540171456	-8.590473115	-7.282960091	-6.944789609	0.5284348	0.371943	0.4323665	0.4495319	-1.0011
5835000000	1.72787596	2.513274123	-6.324915735	-7.927648418	-8.05628761	-6.599891958	0.4827855	0.4014372	0.3955356	0.467741	-1.17226
5835000000	1.72787596	2.565634	-8.161169225	-7.576101227	-8.912996751	-7.024520632	0.3907883	0.418018	0.3231098	0.4454244	-0.260291
5835000000	1.72787596	2.617993878	-9.912999745	-8.27022287	-9.46458471	-8.207620177	0.3194111	0.3859125	0.1891345	0.388704	-0.854699
5835000000	1.72787596	2.670353756	-9.603480299	-10.44777419	-9.203704474	-8.983136637	0.3309985	0.3003387	0.1096011	0.3555029	-5.220893
5835000000	1.72787596	2.722713633	-7.086082888	-13.02682264	-11.67166619	-8.661973674	0.4422785	0.2231818	0.2608655	0.3868938	-3.773731
5835000000	1.72787596	2.775073511	-5.040611964	-12.93178867	-8.580797164	-8.159959682	0.5597182	0.2256371	0.3723575	0.3908427	-2.222064
5835000000	1.72787596	2.827433388	-4.793289911	-12.41726031	-8.575996487	-8.007830376	0.5758847	0.2			

5835000000	1.780235837	-0.785398163	-0.481878985	0.672422976	-0.888250953	-0.78233954	0.9460325	1.080491	0.9027915	0.9138671	5.6732192
5835000000	1.780235837	-0.733038286	0.386662242	0.468414955	-1.61173302	-0.34867712	1.0455218	1.0554089	0.830641	0.9606521	5.7833562
5835000000	1.780235837	-0.680678408	0.474323531	0.285669016	-0.112269428	-0.78575717	1.0561271	1.0334357	0.8584075	0.9871577	5.8785753
5835000000	1.780235837	-0.628318531	0.29453377	0.174552791	-0.400469419	-0.087821151	1.0344909	1.0202994	0.954941	0.9899402	6.0198865
5835000000	1.780235837	-0.575958653	0.46627041	0.304425673	0.002442885	-0.240467155	1.0551483	1.0356697	0.9002792	0.9726949	6.1582029
5835000000	1.780235837	-0.523598776	0.932133219	0.781054808	-0.341935632	-0.458401013	1.132858	1.0940892	0.961398	0.9485931	6.2171897
5835000000	1.780235837	-0.471238898	1.232159748	1.449052933	-0.711878586	-0.513851251	1.1524126	1.1815515	0.9213106	0.9425566	6.4389896
5835000000	1.780235837	-0.41887902	1.268124045	1.977634826	-0.376876651	-0.150300455	1.1571941	1.255688	0.9575383	0.9828449	6.5750727
5835000000	1.780235837	-0.366519143	1.246710588	2.115319611	0.142518432	0.57818909	1.1543447	1.2757512	1.0165434	1.068832	7.0734619
5835000000	1.780235837	-0.314159265	1.276809191	1.845551341	0.10509806	1.294773045	1.1583518	1.2367376	1.0121734	1.1607499	7.173946
5835000000	1.780235837	-0.2611799388	1.280572826	1.425341907	-0.463240198	1.709939567	1.1588538	1.1783304	0.9480647	1.1215785	7.0491062
5835000000	1.780235837	-0.20943951	1.104785157	1.206756011	-0.82538912	1.75711659	1.1356363	1.149047	0.9093489	1.2242097	6.8843899
5835000000	1.780235837	-0.157079633	0.562791505	1.228517216	-0.471856084	1.486039737	1.066939	1.1519294	0.9471248	1.1865936	6.7543487
5835000000	1.780235837	-0.104719755	-0.244387824	1.202934215	-0.035711831	1.021052352	0.9722559	1.1485415	0.995897	1.1247412	6.5269578
5835000000	1.780235837	-0.052359878	-0.59806701	0.918409571	-0.260079596	0.598616724	0.933462	1.1151582	0.9705011	1.0713487	6.2071527
5835000000	1.780235837	-4.44E-16	-0.187013038	0.410326958	-1.242996394	0.470273676	0.9786995	1.0483743	0.8666628	1.0556348	5.9099955
5835000000	1.780235837	0.052359878	0.100220841	-0.103752781	-2.22041887	0.667082942	1.0116052	0.9881261	0.7744245	1.0798269	5.6975951
5835000000	1.780235837	0.104719755	-0.455577695	-0.365262842	-2.051401242	0.990520012	0.9489051	0.9588195	0.7896415	1.1207945	5.6164756
5835000000	1.780235837	-0.157079633	-1.734037441	-0.254642682	-1.193071683	1.230194454	0.8190268	0.9711087	0.8715747	1.1521519	5.6066999
5835000000	1.780235837	0.20943951	-2.474596497	0.133054336	-0.277843853	1.294890452	0.7520906	1.0154364	0.9196187	1.1607656	5.6839012
5835000000	1.780235837	0.261799388	-1.642341603	0.614958117	-0.903928159	1.210417113	0.827719	1.0733662	0.9011635	1.1495314	5.9152555
5835000000	1.780235837	0.314159265	-0.498009488	1.055203316	-1.426418089	1.070759778	0.9442772	1.1291722	0.8485532	1.1311963	6.1353586
5835000000	1.780235837	0.366519143	-0.177521635	-1.76820339	-1.832334972	0.996265978	0.9797695	1.1717663	0.8098102	1.1215362	6.1983772
5835000000	1.780235837	0.41887902	-0.905554877	1.53721068	-1.847764325	1.084239751	0.9009947	1.1936047	0.808373	1.1329532	6.0982363
5835000000	1.780235837	0.471238898	-2.246439614	1.530071778	-1.593086495	1.334509361	0.7721079	1.1926241	0.8324261	1.1660723	5.9403865
5835000000	1.780235837	0.523598776	-2.871566598	1.388388032	-1.460458337	1.632518362	0.7184916	1.1733279	0.8452342	1.2067739	5.8977586
5835000000	1.780235837	0.575958653	-2.145802472	1.177117383	-1.855917214	1.84923279	0.7811058	1.1451328	0.8076146	1.2732619	5.9576496
5835000000	1.780235837	0.628318531	-1.353400366	0.987902893	-2.980270265	1.946477511	0.8557166	1.1204569	0.7095557	1.2511918	5.882534
5835000000	1.780235837	0.680678408	-1.34966391	0.899216679	-4.419674888	1.96768409	0.8560848	1.094078	0.6011962	1.2544009	5.6224015
5835000000	1.780235837	0.733038286	-2.150199302	0.892252285	-4.6973129	1.958158661	0.7807105	1.1081859	0.5822827	1.2528755	5.3997211
5835000000	1.780235837	0.785398163	-3.384033099	0.840867239	-3.578014019	1.957653145	0.6773269	1.1016493	0.6623679	1.2456116	5.3127587
5835000000	1.780235837	0.837758041	-4.508699686	0.609243979	-2.74727339	1.784497101	0.5950658	1.0726603	0.7288469	1.2280749	5.1647167
5835000000	1.780235837	0.890117919	-4.951583954	0.130997128	-3.024731995	1.58452408	0.5654846	1.0151959	0.7059329	1.2001241	4.8277851
5835000000	1.780235837	0.942477796	-4.369238999	-0.582466897	-4.334313936	1.375530466	0.6046973	0.93514	0.6071464	1.1715936	4.3984388
5835000000	1.780235837	0.994836764	-3.220124809	-1.468925853	-5.666044111	1.24899387	0.6902299	0.8444107	0.5208322	1.1546482	4.109828
5835000000	1.780235837	1.047197551	-2.303996137	-2.439695286	-5.46528539	1.189049368	0.7670085	0.7551187	0.5330105	1.146707	4.0874054
5835000000	1.780235837	1.099557429	-1.814828283	-3.374405941	-4.275410642	1.054365733	0.8114441	0.6780781	0.6112649	1.1290633	4.1630481
5835000000	1.780235837	1.151917306	-1.428687881	-4.13924154	-3.284004014	0.72463173	0.8483315	0.6123035	0.6851726	1.1070051	4.1951585
5835000000	1.780235837	1.204277184	-0.846446491	-4.656533725	-2.612219583	0.231822903	0.907147	0.5802035	0.7402681	1.027409	4.2423866
5835000000	1.780235837	1.256637061	-0.200822211	-4.978343148	-0.203718124	-0.250604005	0.9771449	0.5637452	0.7909355	0.971062	4.3572763
5835000000	1.780235837	1.308996939	-0.002602482	-5.077974889	-1.567074092	-0.623121134	0.9997004	0.5573157	0.8349228	0.9307734	4.4092546
5835000000	1.780235837	1.361356817	-0.583397953	-4.823367031	-1.540538705	-0.16728424	0.9350398	0.5733894	0.8481464	0.8941669	4.2023996
5835000000	1.780235837	1.413716694	-1.55289963	-4.16881871	-1.821095946	-1.450139903	0.8362864	0.6188125	0.8108587	0.8462388	3.8407404
5835000000	1.780235837	1.466076572	-1.814315196	-3.315611014	-2.807436841	-1.973679689	0.811492	0.6826836	0.723816	0.9767389	3.5643697
5835000000	1.780235837	1.518436449	-1.058091162	-2.563894756	-4.364405646	-2.217739002	0.8853101	0.7443981	0.6050393	0.7746634	3.5490146
5835000000	1.780235837	1.57096327	-0.272273739	-2.08649422	-6.388747518	-2.076970643	0.9691395	0.7864575	0.4792506	0.7873203	3.585772
5835000000	1.780235837	1.623156204	-0.257174351	-1.877651053	-6.838833273	-1.876312597	0.9708257	0.8055963	0.3698779	0.8057204	3.3817869
5835000000	1.780235837	1.675516082	-1.087441923	-1.838040492	-10.50385785	-1.896521702	0.8823236	0.8092784	0.2984057	0.803848	2.9034796
5835000000	1.780235837	1.72787596	-2.079739848	-1.887549234	-11.04100686	-2.087176821	0.7870694	0.8046788	0.2805108	0.7863958	2.4726389
5835000000	1.780235837	1.780235837	-2.461861877	-2.01093	-10.40069893	-2.260709929	0.7531941	0.7933293	0.3009238	0.7708405	2.3397472
5835000000	1.780235837	1.832595715	-2.65369721	-2.203842615	-9.932434085	-2.472400557	0.7367415	0.7759038	0.3186972	0.7522808	2.223984
5835000000	1.780235837	1.884955592	-3.429763835	-2.401768434	-10.32927253	-3.003499133	0.6737702	0.7584231	0.3044659	0.7076606	1.7425609
5835000000	1.780235837	1.93731547	-4.324593157	-2.525667495	-11.76357009	-3.897766672	0.6078135	0.7476815	0.2581114	0.6384276	1.3088989
5835000000	1.780235837	1.989675347	-3.810280833	-2.629508294	-13.08101771	-4.646964236	0.6448905	0.7387961	0.2217937	0.5586684	0.7928367
5835000000	1.780235837	2.042035225	-2.736688737	-2.913537181	-11.83323138	-4.79181824	0.7297356	0.7150282	0.256058	0.5759822	1.2159313
5835000000	1.780235837	2.094395102	-2.63457549	-3.570706175	-9.478688429	-4.885883281	0.7383652	0.6629524	0.3357883	0.5697782	1.2398142
5835000000	1.780235837	2.14675498	-3.622308638	-4.674205575	-7.865022946	-5.687507342	0.6589987	0.5838345	0.404342	0.5195468	0.9654636
5835000000	1.780235837	2.199114858	-5.035713185	-6.13905354	-7.005356552	-0.248296	0.5600339	0.4932275	0.4462742	0.4441015	-0.248296
5835000000	1.780235837	2.251474735	-6.397966807	-7.695177632	-6.457560733	-7.612127727	0.4787421	0.4123564	0.4754687	0.4162877	-0.998426
5835000000	1.780235837	2.303834613	-7.91619188	-8.908816749	-5.727999815	-7.16668382	0.401967	0.3855778	0.5027476	0.4381934	-1.404136
5835000000	1.780235837	2.35619449	-8.233449019	-9.370344544	-5.723463962	-7.041351104	0.3875498	0.340003	0.5174004	0.4445621	-1.463537
5835000000	1.780235837	2.408554368	-6.627804671	-9.003228952	-5.929797798	-7.129088217	0.4662403	0.3546815	0.5052544	0.4400941	-1.079457
5835000000	1.780235837	2.460914245	-5.772706111	-8.078337209	-6.596508302	-6.696596647	0.5144755	0.3945328	0.4679232	0.4625622	-0.726634
5835000000	1.780235837	2.513274123	-6.63690704	-7.060231474	-7.741400422	-6.405405545	0.4657519	0.4435968	0.410138	0.4783323	-0.92568
5835000000	1.780235837	2.565634	-8.842609889	-6.572278574	-9.195896232	-7.099213364	0.3613013	0.4692033	0.3193046	0.4416104	-1.984758
5835000000	1.780235837	2.617993878	-10.61527676	-7.209626559	-14.48748975	-8.486079972	0.2946023	0.4360323	0.1886364	0.3764402	-3.770435
5835000000	1.780235837	2.670353756	-9.524927438	-9.284106056	-17.2207702	-9.190415453	0.3340055	0.3433956	0.1377087	0.3471197	-4.714762
5835000000	1.780235837	2.722713633	-7.010510756								

5835000000	1.832595715	-0.890117919	-4.806428066	1.374943054	-0.407368238	-1.990101506	0.5750142	1.1715131	0.9541828	0.795234	4.8506897
5835000000	1.832595715	-0.837758041	-2.398153981	0.746774585	-0.374268177	-1.422558683	0.7587388	1.0897797	0.9578259	0.8489304	5.2378008
5835000000	1.832595715	-0.785398163	-0.624837778	0.358394328	-0.848949232	-0.963459365	0.9305894	1.0421248	0.9068857	0.8950082	5.5168374
5835000000	1.832595715	-0.733038286	0.298215567	0.183235801	-1.377789078	-0.657246126	1.0349295	1.0213199	0.8533173	0.9271237	5.6585353
5835000000	1.832595715	-0.680678408	0.491299228	0.112836866	-1.058845464	-0.470805459	1.0581932	1.0130756	0.8852333	0.9472393	5.8090208
5835000000	1.832595715	-0.628318531	0.435521575	0.116323214	-0.202840853	-0.354689701	1.0514196	1.0134823	0.9769177	0.9599874	6.0245227
5835000000	1.832595715	-0.575958653	0.64428768	0.297199084	-0.170454963	-0.285446963	1.0769967	1.0348084	1.0198187	0.9676708	6.2335829
5835000000	1.832595715	-0.523598776	1.052002403	0.762671536	-0.180807952	-0.263476438	1.1287561	1.0917769	0.9793989	0.9701216	6.382231
5835000000	1.832595715	-0.471138898	1.299236779	1.410354301	-0.617149741	-0.239052294	1.1613466	1.1716299	0.9314135	0.9728534	6.5306339
5835000000	1.832595715	-0.41887902	1.333689654	1.939283405	-0.389678366	-0.033071567	1.1659622	1.2501559	0.9561281	0.9961997	6.7585934
5835000000	1.832595715	-0.366519143	1.324122451	2.08615589	0.088710597	0.475432976	1.1646787	1.2714479	1.0102655	1.056262	7.0488238
5835000000	1.832595715	-0.314159265	1.327384407	1.80911572	0.063514291	1.093693727	1.1651161	1.2315606	1.0073392	1.1341871	7.1170784
5835000000	1.832595715	-0.261799388	1.27625173	1.354256075	-0.497424632	1.522887545	1.1582774	1.1687263	0.9443408	1.1916381	6.971904
5835000000	1.832595715	-0.20943951	1.058283551	1.103545839	-0.882099592	1.624145447	1.1295727	1.1354743	0.9034311	1.2056112	6.7971528
5835000000	1.832595715	-0.157079633	0.500891207	1.134462297	-0.538814455	1.405902793	1.0593624	1.1395231	0.9398516	1.1756963	6.6778753
5835000000	1.832595715	-0.104719755	-0.297767828	1.147680746	-0.07990303	0.980049568	0.9662992	1.1412585	0.990843	1.1194443	6.4812124
5835000000	1.832595715	-0.052359878	-0.622280442	0.899511684	-0.274975508	0.582867758	0.9308634	1.1091125	0.9688381	1.0694079	6.1888172
5835000000	1.832595715	-4.44E-16	-0.18701271	0.410326799	-0.242996802	0.470273957	0.9786995	1.0483742	0.8666628	1.0556348	5.9099595
5835000000	1.832595715	0.052359878	0.107270102	-0.096303087	-2.241323216	0.673049541	1.0124265	0.9889739	0.7725629	1.0805689	5.6988338
5835000000	1.832595715	0.104719755	-0.44519475	-0.348226864	-2.115483735	0.987091325	0.9500364	0.9670109	0.7839251	1.1203522	5.6093183
5835000000	1.832595715	0.157079633	-1.710717227	-0.23242895	-0.761795585	1.38333392	0.8212287	0.9735956	0.8647712	1.1479333	5.5922641
5835000000	1.832595715	0.20943951	-2.436301065	0.130112132	-0.761719043	1.217079437	0.7554139	1.0150925	0.9160392	1.1504135	5.6591343
5835000000	1.832595715	0.261799388	-1.624002293	0.546315676	-0.896283162	1.080435666	0.8294685	1.0649171	0.901957	1.1324572	5.8645977
5835000000	1.832595715	0.314159265	-0.520950584	0.898345077	-1.435027043	0.902870516	0.9417865	1.1089635	0.8477126	1.1095414	6.0379632
5835000000	1.832595715	0.366519143	-0.244911648	1.141750453	-0.812827485	1.681827485	0.9721973	1.1044796	0.7969516	1.0992371	6.03983
5835000000	1.832595715	0.41887902	-1.018869135	1.261841235	-2.133152747	0.92520102	0.8893169	1.1563573	0.7822442	1.1133354	5.8920882
5835000000	1.832595715	0.471138898	-2.392042859	1.259015601	-1.850418812	1.208151483	0.7592728	1.1598182	0.808126	1.1492316	5.739479
5835000000	1.832595715	0.523598776	-3.02340885	1.145463008	-1.504319499	1.499692531	0.7060404	1.1409672	0.8409768	1.1884602	5.7480716
5835000000	1.832595715	0.575958653	-2.344862121	0.951978897	-1.635251282	1.664119706	0.7634083	1.1091125	0.9283949	1.2117125	5.8424798
5835000000	1.832595715	0.628318531	-1.62400429	0.74548904	-2.61302126	1.689191243	0.8294683	1.0896185	0.7401998	1.2146735	5.7240258
5835000000	1.832595715	0.680678408	-1.639951424	0.594888538	-4.347678733	1.683842304	0.8279468	1.0708889	0.6062002	1.2139257	5.387834
5835000000	1.832595715	0.733038286	-2.384795976	0.486341325	-5.442904775	1.746958591	0.7599066	1.0575893	0.5343856	1.2227789	5.0440959
5835000000	1.832595715	0.785398163	-3.547331623	0.324828055	-4.497566643	1.859251507	0.6647118	1.1038105	0.595829	1.2386898	4.9529264
5835000000	1.832595715	0.837758041	-4.710410029	0.300816496	-3.621858137	1.921198204	0.581406	1.1035542	0.6869215	1.2475556	4.9088646
5835000000	1.832595715	0.890117919	-5.33036311	-0.407756926	-2.98401665	1.888581801	0.5413546	0.9551401	0.7092497	1.2428797	4.7297983
5835000000	1.832595715	0.942477796	-4.88685441	-0.958685136	-3.473869491	1.850924365	0.5697145	0.8950503	0.6703576	1.2375029	4.5399208
5835000000	1.832595715	0.994836764	-3.733506655	-1.585467895	-3.7213829	1.919760332	0.6506159	0.8331565	0.6515247	1.2473491	4.5645316
5835000000	1.832595715	1.047197551	-2.720338714	-2.253013739	-3.008263235	2.039789566	0.7311106	0.7713208	0.7077226	1.2647057	4.797528
5835000000	1.832595715	1.099557429	-2.09387656	-2.883573376	-1.965883753	2.02518262	0.7857894	0.7174991	0.7974543	1.2625807	5.0160505
5835000000	1.832595715	1.151917306	-1.612761235	-3.357798893	-1.239218228	1.748474147	0.8305426	0.6793758	0.8670399	1.2229923	5.1053309
5835000000	1.832595715	1.204277184	-1.044180157	-3.64380341	-0.861744109	1.233160009	0.8867292	0.6573699	0.9055507	1.1525435	5.1107448
5835000000	1.832595715	1.256637061	-0.506317071	-3.84530695	-0.635143885	0.61946191	0.9433745	0.6422959	0.9294859	1.0739229	5.0790592
5835000000	1.832595715	1.308996939	-0.446521639	-4.036181941	-0.498718339	0.021598754	0.9498913	0.6283435	0.9442002	1.0024897	4.9223749
5835000000	1.832595715	1.361356817	-1.115119871	-4.124223560	-0.618018499	-0.601235604	0.8795165	0.6219977	0.9313203	1.0331216	4.5215691
5835000000	1.832595715	1.413716694	-2.032464817	-3.912099001	-2.113322625	-1.343661346	0.7913649	0.637375	0.8696287	0.8567667	3.959512
5835000000	1.832595715	1.466076572	-2.160687366	-3.355823234	-2.438490958	-2.117831512	0.7797684	0.6795303	0.7552234	0.7836253	3.5164597
5835000000	1.832595715	1.518436449	-1.405719619	-2.694121392	-4.39791666	-2.624866981	0.8505778	0.7333207	0.6027041	0.739191	3.3042736
5835000000	1.832595715	1.570796327	-0.743868629	-2.191698834	-7.20005659	-2.713171992	0.9179237	0.7769893	0.436513	0.7317141	3.1162519
5835000000	1.832595715	1.623156204	-0.891254412	-1.912517222	-10.49312692	-2.588411425	0.9024794	0.8023695	0.2853834	0.7422999	2.7107058
5835000000	1.832595715	1.675516082	-1.884552394	-1.754876214	-14.29357584	-2.466923325	0.8049564	0.8170642	0.1928999	0.7527553	2.1702043
5835000000	1.832595715	1.72787596	-3.021454678	-1.611492773	-13.65104283	-2.362545257	0.7061993	0.8306639	0.2077054	0.7618557	1.9604922
5835000000	1.832595715	1.780235837	-3.553917759	-1.494350443	-11.22095987	-2.269226884	0.664208	0.8419426	0.2747593	0.770085	2.113592
5835000000	1.832595715	1.832595715	-3.924862241	-1.506738266	-9.822253957	-2.319640037	0.6364392	0.8407427	0.3227656	0.7656283	2.1630971
5835000000	1.832595715	1.884955592	-4.821416459	-1.703209404	-9.789454841	-2.624756541	0.5740228	0.8219389	0.3239868	0.7392004	1.7950965
5835000000	1.832595715	1.93731547	-5.418369584	-1.999631572	-11.02359877	-3.038191252	0.5358972	0.7943619	0.2810736	0.7408398	1.2748185
5835000000	1.832595715	1.989675347	-4.291401956	-2.256926951	-12.45679904	-3.263224895	0.6101406	0.7711763	0.23832	0.6868134	1.2382814
5835000000	1.832595715	2.042035225	-3.009095175	-2.491693851	-11.46792758	-3.363816784	0.7072049	0.7506117	0.2670568	0.6789052	1.5972892
5835000000	1.832595715	2.094395102	-2.946066384	-2.935504572	-9.16922811	-3.847436094	0.7123553	0.7132221	0.3479674	0.6421377	1.6401974
5835000000	1.832595715	2.14675498	-4.092046009	-3.863718416	-7.746918491	-5.139671145	0.6243063	0.6409351	0.4098775	0.5533711	0.9396137
5835000000	1.832595715	2.199114858	-5.840786795	-5.409118653	-7.427642674	-7.040651401	0.5104588	0.5364683	0.4252241	0.4445979	-0.369295
5835000000	1.832595715	2.251474735	-7.679654669	-7.376239157	-7.641602275	-8.280711794	0.4130639	0.4277481	0.4148775	0.3854468	-1.717707
5835000000	1.832595715	2.303834613	-9.419784933	-9.022842081	-5.19323524	-8.386854317	0.3380732	0.3538815	0.4207594	0.3807652	-2.536615
5835000000	1.832595715	2.35619449	-8.96286822	-9.489618893	-6.945217799	-8.479079979	0.3563334	0.335366	0.4495097	0.3767437	-2.395344
5835000000	1.832595715	2.408554368	-6.778060918	-8.846677921	-6.611381927	-8.300692534	0.4582442	0.3611321	0.4671226	0.3845611	-1.560759
5835000000	1.832595715	2.460914245	-5.922205815	-7.671934923	-6.694125616	-7.419310081	0.5056962	0.4134301	0.4493076	0.4256322	-0.943826
5835000000	1.832595715	2.513274123	-7.05500372	-6.523724512	-8.087574816	-6.961705466	0.4438639	0.4718607	0.3941147	0.4486573	-1.11777
5835000000	1.832595715	2.565634	-9.776253281	-5.99436741	-10.38231238	-7.616873548	0.3244796	0.5051523	0.3026108	0.4160603	-2.243925
5835000000	1.832595715	2.6179									

5835000000	1.884955592	-0.994837674	-9.499503628	2.877127532	-1.358662352	-3.36829141	0.3349846	1.3926962	0.8551984	0.6785556	4.2475739
5835000000	1.884955592	-0.942477796	-7.282816928	2.200836296	-1.196939383	-2.712351786	0.4323736	1.2883736	0.8712651	0.7317832	4.4120857
5835000000	1.884955592	-0.890119719	-4.700429455	1.391738246	-0.718550728	-2.041131535	0.5820744	1.13737806	0.9206032	0.7905756	4.7785616
5835000000	1.884955592	-0.837758041	-2.410217846	0.615032769	-0.457705456	-1.491897541	0.7576857	1.0733754	0.948669	0.8421804	5.1581455
5835000000	1.884955592	-0.785398163	-0.729499591	0.059204018	-0.71625929	-1.181874126	0.9194434	1.0068394	0.9208461	0.872783	5.3900533
5835000000	1.884955592	-0.73038286	0.215978889	-0.193859208	-1.089769052	-1.091205937	1.0251772	0.9779284	0.8820873	0.8819413	5.4996219
5835000000	1.884955592	-0.680678406	0.551777669	-0.224705261	-0.792533135	-1.047878973	1.0655869	0.9744616	0.9127952	0.8862598	5.5639666
5835000000	1.884955592	-0.628318531	0.661141874	-0.133458311	-0.034487811	-0.867797396	1.0790886	0.9847525	0.9960373	0.9049199	5.943822
5835000000	1.884955592	-0.575958653	0.896951571	0.106355072	-0.30032714	-0.54504971	1.1087856	1.0123199	1.0351812	0.9414012	6.230175
5835000000	1.884955592	-0.523598776	1.203994902	0.588569269	-0.051233108	-0.179315912	1.1486818	1.0701101	0.9941189	0.9795671	6.4288159
5835000000	1.884955592	-0.471138898	1.367104732	1.250823792	-0.532418807	-0.01703803	1.1704564	1.1548915	0.9405439	1.0019627	6.5835921
5835000000	1.884955592	-0.41887902	1.396011794	1.814274433	-0.399560299	0.136641588	1.1743582	1.2322923	0.9550409	1.0158558	6.8040169
5835000000	1.884955592	-0.366519143	1.406510352	1.999922562	0.034398551	0.41093148	1.1757785	1.2589142	1.0039681	1.0484472	7.0187306
5835000000	1.884955592	-0.314159265	1.384955321	1.739478126	0.018234967	0.871844495	1.1728643	1.2217263	1.0021016	1.1055852	7.048045
5835000000	1.884955592	-0.261799388	1.271915053	1.266670753	-0.531811094	1.284535954	1.1576993	1.1570005	0.9406097	1.1593827	6.8774084
5835000000	1.884955592	-0.20943951	1.003973022	0.991593757	-0.932141978	1.445195274	1.1225318	1.1209331	0.8982411	1.1810268	6.6945678
5835000000	1.884955592	-0.157079633	0.429800332	1.034445449	-0.5989676	1.30050345	1.0507273	1.1264769	0.9333652	1.1615159	6.5921984
5835000000	1.884955592	-0.104719755	-0.355129587	1.088603735	-0.122174837	0.931715475	0.959387	1.1335226	0.9860326	1.1132322	6.429933
5835000000	1.884955592	-0.052359878	-0.645703239	0.878855154	-0.29116736	0.566922039	0.9283566	1.1064759	0.9670338	1.0674465	6.1698258
5835000000	1.884955592	-4.44E-16	-0.187012995	0.410326556	-0.212996318	0.470273849	0.9786995	1.0483742	0.8666629	1.0563448	5.9099594
5835000000	1.884955592	0.052359878	0.114789149	-0.087860311	-2.260092282	0.680110694	1.0133033	0.9899357	0.7708953	1.0814477	5.701199
5835000000	1.884955592	0.104719755	-0.427933237	-0.331106666	-2.186127717	0.986821091	0.9519263	0.9625974	0.7778908	1.1203173	5.6041253
5835000000	1.884955592	0.157079633	-1.670711907	-0.213982245	-1.337567456	1.169716502	0.8250199	0.9756654	0.8572779	1.1441575	5.579918
5835000000	1.884955592	0.20943951	-2.387645811	0.118272495	-0.795199391	1.143473596	0.7596573	1.0317098	0.912515	1.1407059	5.6356341
5835000000	1.884955592	0.261799388	-1.624140867	0.465677729	-0.87407968	0.963861333	0.8294552	1.0550763	0.9042002	1.1713599	5.8142487
5835000000	1.884955592	0.314159265	-0.584265051	0.731069472	-0.142643426	0.766590076	0.9394465	1.0878111	0.8490198	1.0922687	5.942174
5835000000	1.884955592	0.366519143	-0.356056743	0.904409004	-2.102833228	0.688091004	0.9593863	1.109738	0.7849795	1.0824418	5.8826987
5835000000	1.884955592	0.41887902	-1.150773131	0.996708606	-2.453796659	0.79381604	0.8759137	1.1215934	0.7538938	1.0956978	5.6820667
5835000000	1.884955592	0.471138898	-2.499504494	1.005314522	-2.159728852	1.302058167	0.749937	1.1227052	0.7798545	1.125001	5.5234841
5835000000	1.884955592	0.523598776	-3.11954606	0.911166777	-1.576396829	1.21097567	0.6982689	1.1106017	0.8340297	1.1496054	5.557925
5835000000	1.884955592	0.575958653	-2.552048999	0.711405935	-1.406948293	1.219271732	0.745414	1.0853512	0.8504574	1.1507039	5.6477436
5835000000	1.884955592	0.628318531	-1.955679693	0.459327764	-2.13416525	1.069204421	0.7983917	1.0543053	0.7821539	1.1309938	5.4966481
5835000000	1.884955592	0.680678408	-1.992398168	0.225526489	-3.823942947	0.944395989	0.7950237	1.2630407	0.6438769	1.1148586	5.0572159
5835000000	1.884955592	0.73038286	-2.621368527	0.003305598	-5.406838628	1.014669482	0.7394888	1.0038007	0.5366091	1.123915	4.6099839
5835000000	1.884955592	0.785398163	-3.596970199	-0.278930243	-4.925820778	1.246454738	0.660924	0.9683971	0.5671644	1.1543107	4.4823604
5835000000	1.884955592	0.837758041	-4.65786789	-0.652705824	-3.604509129	1.468479087	0.5849336	0.9276085	0.6603505	1.184197	4.4986589
5835000000	1.884955592	0.890119719	-5.355583008	-1.079248433	-3.025890899	1.603545306	0.539785	0.8831563	0.7058387	1.2027553	4.4322885
5835000000	1.884955592	0.942477796	-5.019385772	-1.507486658	-3.022226382	1.753402266	0.5610877	0.8406702	0.7061365	1.2236663	4.432407
5835000000	1.884955592	0.994837674	-3.826360043	-1.922379537	-2.674317346	2.007652819	0.6436978	0.8014585	0.7349946	1.2600351	4.7110383
5835000000	1.884955592	1.047197551	-2.673987423	-2.322307441	-1.663273262	2.247022965	0.7350225	0.7653933	0.8257267	1.2952427	5.1568944
5835000000	1.884955592	1.099557429	-1.911894093	-2.647515663	-0.617968425	2.267068159	0.8024266	0.737266	0.9313257	1.2982355	5.5045071
5835000000	1.884955592	1.151917306	-1.386562281	-2.791538131	-0.082144602	1.977894981	0.8524558	0.7251421	1.0032536	1.25957256	5.6582787
5835000000	1.884955592	1.204277184	-0.878281693	-2.746787398	-0.305109931	1.439518356	0.9038283	0.7288877	1.0357513	1.1802552	5.685732
5835000000	1.884955592	1.256637061	-0.460222709	-2.643342348	0.418304044	0.789552503	0.9483941	0.7376203	1.0493375	1.0951601	5.6445369
5835000000	1.884955592	1.308996939	-0.514279801	-2.602736988	0.458499007	1.012969497	0.9425101	0.7410767	1.0542047	1.1030911	5.4620695
5835000000	1.884955592	1.361356817	-1.201648277	-2.62914779	-0.23802911	-0.632703525	0.8707983	0.7388267	1.0340399	0.9297471	5.0419468
5835000000	1.884955592	1.413716694	-1.994568903	-2.600636829	-0.286733943	-1.487893349	0.7948251	0.7412559	0.9675275	0.8425687	4.4703787
5835000000	1.884955592	1.466076572	-2.035758109	-2.383454302	-1.431915921	-2.298176973	0.7910649	0.760202	0.8480163	0.7657226	3.9913402
5835000000	1.884955592	1.518436449	-1.399902212	-2.023056562	-3.214301432	-2.782816829	0.8511476	0.7922225	0.6906928	0.7258705	3.6936397
5835000000	1.884955592	1.570796327	-0.948497717	-1.70709331	-5.643314087	-2.75820296	0.8965512	0.8215714	0.5221969	0.7181398	3.4007123
5835000000	1.884955592	1.623156204	-1.304090885	-1.539664057	-8.532989927	-2.77232356	0.8605883	0.8375617	0.3744126	0.7266277	2.9201883
5835000000	1.884955592	1.675516082	-2.476589147	-1.457556144	-8.5914168	-2.642960444	0.7519181	0.8455167	0.2864461	0.7376528	2.3505089
5835000000	1.884955592	1.72787596	-3.774478559	-1.335513906	-10.81554669	-2.543036397	0.6475541	0.8574806	0.2878874	0.7461873	2.0730304
5835000000	1.884955592	1.780235837	-4.513439537	-1.162537142	-9.294964063	-2.529721457	0.5947412	0.8747282	0.3429666	0.7473326	2.1434412
5835000000	1.884955592	1.832595715	-5.097913225	-1.088903149	-8.188470309	-2.666586575	0.5560378	0.8821752	0.3895619	0.735649	2.1558089
5835000000	1.884955592	1.884955592	-5.914117395	-1.26440003	-8.184466022	-2.90424186	0.5061674	0.8645299	0.3897415	0.7157938	1.8552285
5835000000	1.884955592	1.93731547	-5.717000209	-1.661845175	-9.515863808	-3.072808917	0.5177856	0.8258625	0.3343542	0.7020363	1.5110801
5835000000	1.884955592	1.989675347	-4.027654934	-2.068239473	-11.81207883	-3.138358312	0.6289516	0.7881122	0.2566824	0.6967582	1.4762153
5835000000	1.884955592	2.042035225	-2.827258928	-2.334236167	-11.98551468	-3.391837052	0.722166	0.7643428	0.2516079	0.6767187	1.6371508
5835000000	1.884955592	2.094395102	-3.014634095	-2.658732578	-9.291253507	-4.254200071	0.706754	0.7363145	0.3431131	0.6127594	1.5797918
5835000000	1.884955592	2.14675498	-4.486372845	-3.463747196	-7.302937799	-5.982074042	0.5965974	0.6711393	0.4313732	0.5022227	0.8331128
5835000000	1.884955592	2.199114858	-6.709099985	-5.07481185	-6.781484694	-8.289265971	0.4618969	0.5575187	0.4580636	0.3850674	-0.618458
5835000000	1.884955592	2.251474735	-9.067702065	-7.457663978	-7.457340966	-9.97349502	0.3520586	0.4237560	0.4237727	0.3171942	-2.402135
5835000000	1.884955592	2.303834613	-10.58839223	-2.058257842	-8.460936337	-10.64914081	0.2955156	0.3276205	0.3775303	0.3293456	-3.781093
5835000000	1.884955592	2.35619449	-8.942896455	-10.17765279	-8.551713852	-11.14497714	0.3571537	0.3098256	0.3736064	0.2771371	-3.623881
5835000000	1.884955592	2.408554368	-6.572079346	-9.139173546	-7.99803527	-10.58860574	0.4692411	0.3491735	0.3981972	0.2955083	-2.428874
5835000000	1.884955592	2.460914245	-5.991853213	-7.682333328	-7.925693061	-9.012731704	0.5016575	0.4129366	0.4015275	0.3542937	-1.564111
5835000000	1.884955592										

5835000000	1.93731547	-1.099557429	-5.216395989	3.410240288	-1.725423941	-4.851618972	0.5485045	1.4808532	0.8198394	0.5720303	4.6630391
5835000000	1.93731547	-1.047197551	-7.127786007	3.206330956	-1.898621684	-4.384523764	0.4401601	1.4464937	0.8036536	0.6036342	4.3337181
5835000000	1.93731547	-0.994837674	-7.513053161	2.747845043	-2.366699099	-3.642774629	0.4210633	1.3721205	0.7909792	0.6574478	4.1946172
5835000000	1.93731547	-0.942477796	-6.227042784	2.08245859	-1.652862416	-2.784452078	0.4882563	1.2709338	0.826717	0.7257339	4.3802651
5835000000	1.93731547	-0.890119719	-4.184264701	1.269525957	-0.883248338	-1.981151439	0.617713	1.1573809	0.9033116	0.7960538	4.7971447
5835000000	1.93731547	-0.837758041	-2.258368961	0.418870663	-0.39387409	-1.43439172	0.7710482	1.049046	0.9556664	0.8477746	5.1629127
5835000000	1.93731547	-0.785398163	-0.787241127	-0.278909304	-0.488753948	-1.277331366	0.9133515	0.9683995	0.945284	0.8632437	5.3205833
5835000000	1.93731547	-0.733038286	0.164349621	-0.644069727	-0.791152586	-1.451653319	1.0191016	0.9285312	0.9129403	0.8460915	5.3590659
5835000000	1.93731547	-0.680678408	0.683091155	-0.678485894	-0.696643376	-1.651737267	1.0818189	0.9248594	0.9365217	0.8260628	5.5062825
5835000000	1.93731547	-0.628318531	0.979244261	-0.521815183	0.083861157	-1.482179845	1.1193405	0.9416928	1.0097016	0.8431231	5.8310515
5835000000	1.93731547	-0.575958653	1.217973274	-0.225611375	0.388532477	-0.874886519	1.1505319	0.97436	1.045747	0.9041816	6.1815697
5835000000	1.93731547	-0.523598776	1.381318796	0.286748666	0.050704618	-0.190292169	1.1727374	1.0335641	1.0058547	0.97833	6.4239339
5835000000	1.93731547	-0.471238898	1.428811245	0.989610372	-0.453660231	0.214788407	1.1788012	1.1206772	0.949111	1.0250367	6.5953304
5835000000	1.93731547	-0.41887902	1.447656185	1.618080925	-0.402268675	0.310481612	1.1813615	1.2047697	0.9547432	1.0363921	6.8034598
5835000000	1.93731547	-0.366519143	1.486746582	1.86908406	-0.01667123	0.372553359	1.1866901	1.2400928	0.9980825	1.0438249	6.9830054
5835000000	1.93731547	-0.314159265	1.445272236	1.645238314	-0.029293853	0.63670844	1.1810373	1.2085425	0.9966331	1.0760574	6.9705174
5835000000	1.93731547	-0.261799388	1.267296728	1.167589889	-0.567075665	1.000739163	1.1570839	1.1438774	0.9367986	1.1221139	6.7688785
5835000000	1.93731547	-0.20943951	0.943322492	0.937680716	-0.970126346	1.22632554	1.1147209	1.105819	0.8937064	1.1514422	6.5785862
5835000000	1.93731547	-0.157079633	0.350785978	0.299955324	-0.651784885	1.170585978	1.0412123	1.1130118	0.9277068	1.1447721	6.4984072
5835000000	1.93731547	-0.104719755	-0.415764535	1.0264003	-0.162031479	0.876173323	0.9532609	1.125344	0.9815184	1.0161364	6.3745142
5835000000	1.93731547	-0.052359878	-0.668130491	0.85660939	-0.308510207	0.550802586	0.9259627	1.1036477	0.9651048	1.0654673	6.1503112
5835000000	1.93731547	-4.44E-16	-0.187012913	0.410326616	-1.242969713	0.470273679	0.9786995	1.0483742	0.8666628	1.0563648	5.9099593
5835000000	1.93731547	0.052359878	0.122775119	-0.078497197	-2.276429054	0.688333482	1.0142354	0.9913004	0.7694467	1.082472	5.7047475
5835000000	1.93731547	0.104719755	-0.40384903	-0.314512435	-2.251932566	0.900124597	0.9546569	0.9644381	0.7716198	1.1207435	5.6102045
5835000000	1.93731547	0.157079633	-1.613933257	-0.200611356	-1.420963586	1.145457394	0.8304306	0.9771684	0.8490863	1.1409664	5.5697028
5835000000	1.93731547	0.20943951	-2.326489215	0.096786274	-0.830792372	1.077175418	0.7650248	1.0112052	0.9087834	1.1320322	5.6139472
5835000000	1.93731547	0.261799388	-1.637712451	0.375292653	-0.843224837	0.869160146	0.8281602	1.0445252	0.9074835	1.1052436	5.7673135
5835000000	1.93731547	0.314159265	-0.682485339	0.545656669	-1.382764847	0.679061782	0.9244336	1.066775	0.8528324	1.0831371	5.8569588
5835000000	1.93731547	0.366519143	-0.504985672	0.680190536	-2.198457149	0.619566604	0.9435191	1.0814577	0.776385	1.0739358	5.7455014
5835000000	1.93731547	0.41887902	-1.291373963	0.762021847	-2.762519189	0.69766485	0.8618492	1.0916044	0.7275688	1.0836355	5.4941182
5835000000	1.93731547	0.471238898	-2.550654556	0.788698153	-2.490159418	0.818446393	0.7453377	1.0950524	0.7507443	1.0988093	5.3205672
5835000000	1.93731547	0.523598776	-3.1277723919	0.704415112	-1.685689631	0.826811391	0.6976118	1.084478	0.8235984	1.099868	5.3564683
5835000000	1.93731547	0.575958653	-2.713596368	0.483688253	-1.229142402	0.609796578	0.7316783	1.0572664	0.8680463	1.0727285	5.4129234
5835000000	1.93731547	0.628318531	-2.286545565	0.185455275	-1.66255875	0.22806579	0.7685511	1.0215809	0.8255126	1.0259834	5.2053115
5835000000	1.93731547	0.680678408	-2.350426996	-0.106279326	-3.054099363	-0.084380687	0.7629194	0.9878387	0.7035501	0.9903323	4.7222782
5835000000	1.93731547	0.733038286	-2.819847548	-0.40049019	-4.546691103	-0.30740483	0.7272825	0.9549387	0.5924687	0.9915846	4.2484877
5835000000	1.93731547	0.785398163	-3.517763525	-0.75395964	-4.499807305	0.211740688	0.6669785	0.9145979	0.5956754	1.0246771	4.0876336
5835000000	1.93731547	0.837558041	-4.332295434	-1.246346159	-3.529647634	0.6072748	0.6072748	0.8663827	0.6660665	1.0644481	4.0935704
5835000000	1.93731547	0.890117919	-4.919586596	-1.731279045	-3.0360281	0.820434111	0.5657516	0.819207	0.7050154	1.0990606	4.0577585
5835000000	1.93731547	0.942477796	-4.567027236	-2.134980428	-2.923168559	1.137801216	0.5910832	0.7828976	0.7142357	1.1399612	4.1563477
5835000000	1.93731547	0.994837674	-3.32031055	-2.341385495	-2.381795633	1.525231014	0.6823143	0.7558415	0.7601691	1.1919596	4.5841231
5835000000	1.93731547	1.047197551	-2.069586963	-2.640237416	-1.301783732	1.805124346	0.7879899	0.7378841	0.860817	1.2309948	5.1480168
5835000000	1.93731547	1.099557429	-1.252247842	-2.726673466	-0.330339324	1.788688015	0.8657402	0.7305576	0.9626824	1.2286676	5.4668377
5835000000	1.93731547	1.151917306	-0.770938188	-2.604630973	0.170967126	1.450079224	0.9150674	0.7409151	1.0198783	1.1816911	5.7056357
5835000000	1.93731547	1.204277184	-0.377527902	-2.285140216	0.272331556	0.905272196	0.9574665	0.7686574	1.03185	1.1098483	5.7277066
5835000000	1.93731547	1.256637061	-0.085971332	-1.911717071	0.228014963	0.292214663	0.990151	0.8024934	1.0265988	1.0342148	5.6964125
5835000000	1.93731547	1.308996939	-0.209770596	-1.628742102	0.183289284	-0.363393215	0.9761386	0.829016	1.0213262	0.9950259	5.5418803
5835000000	1.93731547	1.361356817	-0.830076855	-1.493021362	0.012989797	-1.149888731	0.9088583	0.8402014	1.0014966	0.8760029	5.1737733
5835000000	1.93731547	1.413716694	-1.448538649	-1.440677183	-0.520226071	-2.074028585	0.846395	0.8471614	0.9418651	0.7875871	4.6675595
5835000000	1.93731547	1.466076572	-1.461959582	-1.343072742	-1.569368341	-2.89514661	0.8450882	0.8567347	0.8347022	0.7165437	4.2252651
5835000000	1.93731547	1.518436449	-1.028087226	-1.158102589	-3.160655421	-3.309677102	0.8883736	0.8751749	0.6949719	0.6831501	3.9262128
5835000000	1.93731547	1.570796327	-0.833333486	-0.98664017	-3.328083927	-3.328083927	0.9085176	0.8926228	0.5510565	0.6817039	3.6194277
5835000000	1.93731547	1.623156204	-1.385449548	-0.933847539	-2.710663733	-3.185372731	0.852565	0.8980647	0.4359802	0.692997	3.1660645
5835000000	1.93731547	1.675516082	-2.649319407	-0.97840251	-8.401982404	-3.048933179	0.7371129	0.8934698	0.3801026	0.7039687	2.6536899
5835000000	1.93731547	1.72787596	-3.972877954	-0.989630468	-1.227235054	-3.003261916	0.6329306	0.8923156	0.392318	0.70768	2.3627942
5835000000	1.93731547	1.780235837	-4.806081157	-0.901004998	-0.066637142	-3.099905216	0.5750372	0.9014668	0.4432698	0.6998496	2.3441775
5835000000	1.93731547	1.832595715	-5.41324054	-0.852333483	-6.68887113	-3.304696181	0.5362138	0.9065324	0.4859098	0.683542	2.3195217
5835000000	1.93731547	1.884955592	-5.696694571	-1.058422405	-6.356536194	-3.479012357	0.5189975	0.8852764	0.4810311	0.6699608	2.1281218
5835000000	1.93731547	1.93731547	-4.68447471	-1.570083575	-7.713404185	-3.561970155	0.5831446	0.8346335	0.4114621	0.6635925	1.9312628
5835000000	1.93731547	1.989675347	-3.039232354	-2.170486065	-10.51454344	-3.75379556	0.7047554	0.7788892	0.2980388	0.6490979	1.6943179
5835000000	1.93731547	2.042035225	-2.273351482	-2.560644612	-12.39715014	-4.420108484	0.7697194	0.7446767	0.239962	0.6011662	1.421152
5835000000	1.93731547	2.094395102	-2.892190152	-2.833113044	-9.5091024	-5.893664649	0.7167876	0.7126795	0.3346146	0.5073605	1.1397815
5835000000	1.93731547	2.14675498	-4.800379688	-3.517052652	-6.686847512	-8.249281349	0.5754148	0.6670331	0.4630817	0.3868441	0.9321848
5835000000	1.93731547	2.199114858	-7.52669306	-5.128225211	-5.532325210	-10.74605185	0.4204026	0.5541008	0.5289126	0.2902	-0.946011
5835000000	1.93731547	2.251474735	-10.18032309	-7.871426213	-5.879212528	-12.04532805	0.3097304	0.440404	0.5082055	0.2498812	-2.663263
5835000000	1.93731547	2.303834613	-10.72706255	-10.9680194	-7.312749574	-12.83219769	0.2908351	0.2828779	0.4308861	0.2282391	-4.202477
5835000000	1.93731547	2.35619449	-8.221979136	-11.71245383	-8.741711283	-13.82637712	0.3880619	0.2596344	0.3655228	0.2035547	-4.316339
5835000000	1.93731547	2.408545368	-6.13646802	-10.07036649	-8.789793157	-13.04743213					

5835000000	1.989675347	-1.204277184	-1.00249971	2.564095257	-2.397294405	-3.481583673	0.89099945	1.3433982	0.7588139	0.6697625	5.2560651
5835000000	1.989675347	-1.151917306	-2.409167742	2.905554864	-2.324635104	-4.004049722	0.7577773	1.3972617	0.7651882	0.6306632	4.9861454
5835000000	1.989675347	-1.095557429	-3.5986924	2.950956173	-2.3468309	-4.088123633	0.6607929	1.4045843	0.7632353	0.6245883	4.7438367
5835000000	1.989675347	-1.047197551	-4.542572482	2.710178884	-2.540889932	-3.828916542	0.5927497	1.3666182	0.7463723	0.6435083	4.4772195
5835000000	1.989675347	-0.994837674	-5.17674431	2.255430745	-2.547653767	-3.251660217	0.5510142	1.3664971	0.7457913	0.6847284	4.2996608
5835000000	1.989675347	-0.942477796	-4.738898113	1.654628574	-1.869431638	-2.452461861	0.5795022	1.2098497	0.806359	0.7540097	4.4795716
5835000000	1.989675347	-0.90171919	-3.331158622	0.937805156	-0.837427908	-1.676887086	0.6814627	1.114013	0.9080894	0.8244335	4.9299682
5835000000	1.989675347	-0.837758041	-1.89078529	0.144715833	-0.198436796	-1.204207274	0.804379	1.0168006	0.9774131	0.8705418	5.2706728
5835000000	1.989675347	-0.785398163	-0.733623881	-0.582543589	-0.221341349	-1.199639875	0.919007	0.9351318	0.9748391	0.8709997	5.3433819
5835000000	1.989675347	-0.733038286	0.190413761	-1.017953569	-0.536297537	-1.610286542	1.0221643	0.8894106	0.940124	0.8307793	5.3202307
5835000000	1.989675347	-0.680678408	0.903242598	-1.073475666	-0.419683666	-2.074465213	1.109589	0.8837435	0.9528309	0.7875475	5.4222135
5835000000	1.989675347	-0.628318531	1.374436008	-0.890148976	0.145829546	-2.00593691	1.1714447	0.9025942	1.016931	0.7937855	5.7666377
5835000000	1.989675347	-0.575958653	1.584753386	-0.578654046	0.44155294	-1.224377888	1.2001559	0.9355506	1.05215	0.8685226	5.1421708
5835000000	1.989675347	-0.523598776	1.571144749	-0.065581877	0.134107066	-0.262924088	1.198277	0.992478	1.0155595	0.9701833	6.3956453
5835000000	1.989675347	-0.471238898	1.477925811	0.672737596	-0.375500312	0.334735608	1.1854856	1.0805301	0.9576901	1.0392901	6.5736984
5835000000	1.989675347	-0.41887902	1.484355364	1.379532852	-0.394487898	0.447753575	1.1863635	1.1721323	0.9555988	1.0529013	6.7830559
5835000000	1.989675347	-0.366519143	1.560600947	1.71234561	-0.061864508	0.34164332	1.1968233	1.2179158	0.9929029	1.0401169	6.942225
5835000000	1.989675347	-0.314159265	1.505302065	1.537782457	-0.08270706	0.394146828	1.1892279	1.1936833	0.9910292	1.0464322	6.88856
5835000000	1.989675347	-0.261799388	1.262268001	1.063236766	-0.604042138	0.678986755	1.1564142	1.130217	0.9328201	1.0813078	6.6503024
5835000000	1.989675347	-0.20943951	0.877860825	0.753080062	-1.104591518	0.960305602	1.1063513	1.0905711	0.889755	1.1169025	6.4517863
5835000000	1.989675347	-0.157079633	0.265289404	0.22808921	-0.696835991	-1.017793791	1.0310138	1.0993613	0.9229076	1.1243194	6.3979413
5835000000	1.989675347	-0.104719755	-0.478823979	0.961811714	-0.199051827	-1.831854808	0.9463653	1.1170962	0.9773439	1.0982286	6.131738
5835000000	1.989675347	-0.052359878	-0.689343822	0.832953986	-0.326874774	0.534560195	0.923704	1.1006461	0.9630665	1.0634768	6.1304162
5835000000	1.989675347	-4.44E-16	-0.187012824	0.410326741	-1.224996646	0.407236797	0.9786995	1.0483742	0.8666628	1.0556348	5.9099594
5835000000	1.989675347	0.052359878	0.131200964	-0.068282679	-2.290013517	0.697763299	1.0152197	0.9921695	0.7682443	1.0836478	5.7095288
5835000000	1.989675347	0.104719755	-0.373135486	-0.298981972	-2.324592383	0.997332153	0.9579508	0.9661641	0.7651919	1.1216739	5.6001353
5835000000	1.989675347	0.157079633	-1.540533806	-0.193393066	-1.512492221	1.126443036	0.8374778	0.979808	0.8401859	1.1384715	5.5616122
5835000000	1.989675347	0.20943951	-2.249836367	0.065150112	-0.87152442	1.020364994	0.7718061	1.0325289	0.9045317	1.1246522	5.5945232
5835000000	1.989675347	0.261799388	-1.656185945	0.27726693	-0.806856849	0.34164332	0.8264008	1.0324365	0.9112912	1.096664	5.7264171
5835000000	1.989675347	0.314159265	-0.804233614	0.39654476	-1.317098244	0.648987344	0.9115664	1.0467121	0.8593005	1.0775796	5.7899031
5835000000	1.989675347	0.366519143	-0.677799634	0.481720743	-2.231176768	0.628888014	0.9249325	1.0570269	0.7734659	1.075089	5.6445416
5835000000	1.989675347	0.41887902	-1.4226163	0.572834563	-3.004477165	0.67089956	0.8489247	1.0681733	0.7079069	1.0803015	5.5358827
5835000000	1.989675347	0.471238898	-2.525281299	0.623159028	-2.796470283	0.656259092	0.7477147	1.0743801	0.7427304	1.0784821	5.1662967
5835000000	1.989675347	0.523598776	-3.015664222	0.541521499	-1.830875099	0.469436488	0.7066702	1.0643294	0.8099463	1.055533	5.1930218
5835000000	1.989675347	0.575958653	-2.76009141	0.298502803	-1.140244445	0.052297415	0.7277721	1.0349638	0.8769761	1.0600391	5.2151405
5835000000	1.989675347	0.628318531	-2.526654989	-0.018278314	-1.299476791	-0.498340917	0.7475965	0.9978978	0.8610456	1.0042412	4.9858782
5835000000	1.989675347	0.680678408	-2.635022198	-0.301035992	-2.291899953	-0.905069079	0.7383272	0.9659357	0.7680774	0.9101451	4.5407195
5835000000	1.989675347	0.733038286	-2.941995187	-0.577008013	-3.37627108	-0.926768634	0.7126893	0.9357279	0.6779325	0.8987969	4.1503894
5835000000	1.989675347	0.785398163	-3.33190556	-0.967682923	-3.473315075	-0.624798274	0.6814041	0.8945731	0.6704004	0.9305937	4.0196657
5835000000	1.989675347	0.837758041	-3.811320601	-1.510657318	-2.797894182	-0.227051387	0.6448133	0.8403634	0.7096642	0.9741984	3.9979527
5835000000	1.989675347	0.890117919	-4.1177414	-2.093858752	-2.828117087	0.170151853	0.6224621	0.785791	0.7220947	1.0197826	3.9457908
5835000000	1.989675347	0.942477796	-3.618913149	-2.551153559	-2.895654548	0.608411141	0.659311	0.7454909	0.7165018	1.0725574	4.0657206
5835000000	1.989675347	0.994837674	-2.344351911	-2.818926301	-2.345593918	1.045504358	0.7634532	0.7228892	0.7554754	1.127912	4.5312242
5835000000	1.989675347	1.047197551	-1.100686759	-2.950807558	-1.441759342	1.304439976	0.8809792	0.7119666	0.8470558	1.1620425	5.1103806
5835000000	1.989675347	1.099557429	-0.339674824	-2.95819109	-0.615948112	1.262121722	0.9616483	0.7113616	0.9315423	1.1563947	4.5853442
5835000000	1.989675347	1.151917306	0.013291822	-2.762198511	-0.932915188	0.956806928	1.0015314	0.7275956	0.962397	1.1164527	5.5932859
5835000000	1.989675347	1.204277184	0.241243425	-2.353493295	-0.520488418	0.523061079	1.0281635	0.7626501	0.9418366	1.0620698	5.5629948
5835000000	1.989675347	1.256637061	0.391743125	-1.869293783	-0.839353972	0.05381584	1.0461336	0.8063718	0.9056976	1.060215	5.4933568
5835000000	1.989675347	1.308996939	0.227487803	-1.478236495	-1.089269489	-0.486890657	1.0265365	0.843506	0.882138	0.9454868	5.3379567
5835000000	1.989675347	1.361356817	-0.27183805	-1.264986359	-1.089121118	-0.5025678	0.9691882	0.8644715	0.8620737	0.8713552	5.025678
5835000000	1.989675347	1.413716694	-0.705190461	-1.184631628	-1.736382276	-2.060867956	0.9220203	0.887506	0.8188058	0.7887813	4.6143756
5835000000	1.989675347	1.466076572	-0.722230349	-1.104580906	-2.592436241	-2.876511472	0.9202133	0.8058483	0.7419561	0.7180826	4.24598
5835000000	1.989675347	1.518436449	-0.503017129	-0.947940968	-3.81105068	-3.399697252	0.943733	0.8966807	0.6448333	0.6710165	3.9766637
5835000000	1.989675347	1.570796327	-0.548031684	-0.783374838	-5.124761635	-3.574874737	0.9388548	0.9137581	0.5543217	0.6626074	3.7208718
5835000000	1.989675347	1.623156204	-2.123657308	-0.730336726	-6.058588065	-3.514280919	0.8695952	0.9193548	0.497818	0.667246	3.3876511
5835000000	1.989675347	1.675516082	-2.380663722	-0.808965052	-6.219035745	-3.374797187	0.7602682	0.91107	0.4887066	0.6780475	3.0399305
5835000000	1.989675347	1.72787596	-3.487284379	-0.895510465	-5.691648615	-3.307101651	0.669323	0.9202073	0.5192991	0.6833527	2.8415671
5835000000	1.989675347	1.780235837	-4.192024553	-0.873087382	-4.940437545	-3.74723653	0.6171614	0.9043689	0.5662108	0.6780533	2.8157979
5835000000	1.989675347	1.832595715	-4.556338124	-0.844851327	-4.490786541	-3.488674164	0.5918111	0.9073136	0.5962943	0.669216	2.8121561
5835000000	1.989675347	1.884955592	-4.237782542	-1.06103754	-4.783960742	-3.558881348	0.6139187	0.8850399	0.5765035	0.6640579	2.7327945
5835000000	1.989675347	1.93731547	-3.01700993	-1.65358231	-6.201501958	-3.725937694	0.7065607	0.8266485	0.4896941	0.6511831	2.522909
5835000000	1.989675347	1.989675347	-1.845622828	-2.457270599	-9.101122465	-4.343801976	0.8085723	0.7535923	0.3507065	0.6064708	2.0051426
5835000000	1.989675347	2.042035225	-1.662308837	-3.050669246	-1.128265001	-5.773290809	0.8258184	0.703828	0.2459617	0.5144409	1.1762955
5835000000	1.989675347	2.094395102	-2.781473531	-3.314284318	-9.786035404	-8.312801729	0.7259828	0.6827878	0.3241143	0.3840254	0.4934493
5835000000	1.989675347	2.14675498	-5.122163824	-3.809319578	-6.362468203	-11.61381053	0.5544876	0.6449618	0.4807027	0.2626089	-0.252212
5835000000	1.989675347	2.199114858	-8.173803235	-5.217195767	-11.09283847	-13.09283847	0.3902203	0.548454	0.5843353	0.221492	-1.187172
5835000000	1.989675347	2.251474735	-10.54190166	-7.934597039	-4.555208908	-12.52133488	0.2971015	0.4011261	0.591888	0.2365556	-2.345746
5835000000	1.989675347	2.303834613	-9.846								

5835000000	2.042035225	-1.308996939	0.748194962	1.132339652	-2.801237227	-1.574219939	1.089958	1.1392446	0.7243328	0.8342361	5.5470755
5835000000	2.042035225	-1.256637061	0.195295954	1.484004355	-2.804708979	-2.37715832	1.022739	1.1863155	0.7240433	0.7605751	5.3285687
5835000000	2.042035225	-1.204277184	-0.674730504	1.896190402	-2.816799448	-2.757268765	0.9252593	1.2439689	0.7230362	0.7196752	5.1342098
5835000000	2.042035225	-1.151917306	-1.266847951	2.164877537	-2.778221969	-2.983626003	0.8642862	1.2830509	0.7262546	0.7092816	5.0640292
5835000000	2.042035225	-0.195957429	-1.604660694	2.161001961	-2.803818314	-2.968469318	0.8313176	1.2824785	0.7241176	0.7105204	4.9801348
5835000000	2.042035225	-1.047197551	-2.268643788	1.900400261	-2.922744731	-2.86018255	0.7701367	1.244572	0.7142706	0.7194339	4.7317858
5835000000	2.042035225	-0.994837674	-3.16759217	1.493144603	-2.721070126	-2.525985026	0.6944171	1.1875646	0.731049	0.7476542	4.5957587
5835000000	2.042035225	-0.942477796	-3.195298037	1.033588302	-1.791621728	-1.940365865	0.6922056	1.1263657	0.8136149	0.7998006	4.6903122
5835000000	2.042035225	-0.890119719	-2.224180704	0.521251821	-0.621841304	-1.323840993	0.7740891	1.0618486	0.9309105	0.8586337	5.166715
5835000000	2.042035225	-0.837758041	-1.250822314	-0.081411296	0.055725503	-0.982423162	0.8658823	0.990671	1.0064363	0.8930563	5.4740179
5835000000	2.042035225	-0.785398163	-0.488110836	-0.700382891	-0.019417552	-1.099112445	0.945354	0.9225308	1.002238	0.811389	5.4629473
5835000000	2.042035225	-0.733038286	0.335263715	-1.114013359	-0.362141633	-1.636102194	1.0393533	0.8796286	0.9591641	0.8283138	5.3585858
5835000000	2.042035225	-0.680678408	1.202343655	-1.182071384	-0.348440885	-2.251040307	1.1484635	0.8727632	0.9606782	0.7716991	5.4683692
5835000000	2.042035225	-0.628318531	1.806850691	-1.028226034	0.163057677	-2.299833098	1.2312395	0.8883594	1.01895	0.7673762	5.8138784
5835000000	2.042035225	-0.575958653	1.962102903	-0.78770344	0.475312773	-1.480497267	1.2534446	0.9133029	1.0562474	0.8432865	6.1633485
5835000000	2.042035225	-0.523598776	1.756588679	-0.359217028	0.210632477	-0.368810888	1.2241353	0.9594871	1.0245464	0.9584279	6.7350295
5835000000	2.042035225	-0.471123889	1.509398827	0.363168091	-0.293696392	0.367520054	1.1898629	1.0426977	0.9667522	1.0432202	6.5319048
5835000000	2.042035225	-0.41887902	1.505882843	1.134371996	-0.37523196	0.519571134	1.1893075	1.1395112	0.9577197	1.0616431	6.7455333
5835000000	2.042035225	-0.366519143	1.627121172	1.550491567	-0.100329315	0.298970453	1.2060243	1.0954312	0.9885156	1.0350195	6.8976471
5835000000	2.042035225	-0.314159265	1.563503486	1.428843865	-0.128761161	0.149227254	1.1972233	1.1788056	0.9852852	1.0173283	6.8061897
5835000000	2.042035225	-0.261799388	1.256907687	0.958955888	-0.643604765	0.328863763	1.1557007	1.1168495	0.9285771	1.0385877	6.5261341
5835000000	2.042035225	-0.20943951	0.809120212	0.63317915	-1.048114368	0.663727629	1.0976301	1.0756202	0.8863276	1.0794909	6.317283
5835000000	2.042035225	-0.157079633	0.174892751	0.714669539	-0.733761136	0.844666791	1.0203394	1.0857591	0.9189924	1.1021313	6.2925571
5835000000	2.042035225	-0.104719755	-0.543335418	0.895604148	-0.232891916	0.745489483	0.9393625	1.1086136	0.9735436	1.0896185	6.2586417
5835000000	2.042035225	-0.052359878	-0.709110583	0.808071015	-0.348149898	0.518273388	0.9216043	1.0974975	0.9609317	1.0614845	6.1120904
5835000000	2.042035225	-4.44E-16	-0.187012951	0.410326598	-1.242996511	0.47027403	0.9786995	1.0483472	0.8666628	1.0563648	5.9099595
5835000000	2.042035225	0.052359878	0.140017787	-0.057278957	-2.300511987	0.708420851	1.0162508	0.9934272	0.7673163	1.0849783	5.7155837
5835000000	2.042035225	0.104719755	-0.336127856	-0.284962634	-2.398545948	1.008677282	0.8252442	1.0201536	0.9149998	1.0915917	5.6931017
5835000000	2.042035225	0.157079633	-1.450991293	-0.193152202	-1.612411371	0.113270762	0.846156	0.978008	0.8305761	1.1374663	5.55559
5835000000	2.042035225	0.20943951	-2.154417378	0.023071147	-0.920708515	0.973944122	0.7803315	1.0026598	0.8994242	1.1186577	5.5775246
5835000000	2.042035225	0.261799388	1.668350506	0.173311569	-0.77158003	0.761204876	0.8252442	1.0201536	0.9149998	1.0915917	5.6931017
5835000000	2.042035225	0.314159265	-0.932781315	0.241317113	-1.227765101	0.67300829	0.8981749	1.0281722	0.8681839	1.0805638	5.7450469
5835000000	2.042035225	0.366519143	-0.853861681	0.316191065	-2.183770536	0.709545537	0.9063729	1.0370735	0.7776989	1.0851188	5.5893785
5835000000	2.042035225	0.41887902	-1.522579279	0.434498396	-3.109786704	0.721569197	0.8392107	1.0512958	0.6990539	1.0866219	5.287341
5835000000	2.042035225	0.471238898	-2.410446974	0.510818129	-3.019670750	0.58933117	0.7576657	1.0605738	0.7063443	1.070204	5.0286554
5835000000	2.042035225	0.523598776	-2.765991828	0.426383673	-1.9392812802	0.269962531	0.7272779	1.0503141	0.7949858	1.0315686	5.1154486
5835000000	2.042035225	0.575958653	-2.627957451	0.16825434	-1.153844159	-0.205019757	0.7389282	1.0195598	0.8756041	0.9766726	5.1313841
5835000000	2.042035225	0.628318531	-2.573088159	-0.127967257	-1.08922827	-0.693456258	0.7436106	0.9853752	0.8821422	0.9323667	4.9457012
5835000000	2.042035225	0.680678408	-2.746489092	-0.327940122	-1.704105929	-0.967940095	0.7289127	0.9624984	0.8218541	0.8945467	4.6005091
5835000000	2.042035225	0.733038286	-2.938013877	-0.495875023	-2.353533580	-0.899596418	0.7130161	0.9445093	0.7642461	0.901613	4.4110118
5835000000	2.042035225	0.785398163	-3.066290216	-0.81688387	-2.357716358	-0.578044807	0.7025633	0.9102398	0.7622794	0.9356163	4.3777934
5835000000	2.042035225	0.837758041	-3.214777888	-1.364671659	-2.164998801	-0.164688961	0.6906549	0.8546069	0.7793814	0.9812181	4.3650929
5835000000	2.042035225	0.890119719	-3.186850446	-2.012135866	-2.344342613	0.266467189	0.6928791	0.7932192	0.763454	1.0311536	4.2987461
5835000000	2.042035225	0.942477796	-2.496037335	-2.537166357	-2.68386072	0.701163695	0.7052364	0.7466923	0.7341874	1.0840721	4.3895641
5835000000	2.042035225	0.994837674	-1.23122919	-2.85116915	-2.439420977	1.079960473	0.8673738	0.7201808	0.7551426	1.1323952	4.7998667
5835000000	2.042035225	1.047197551	-0.082578385	-3.049826323	-1.599469623	1.300294641	0.9905379	0.7078963	0.8318146	1.161488	5.3145983
5835000000	2.042035225	1.099557429	0.535535354	-3.183571303	-0.900777231	1.306322864	1.0635962	0.6931408	0.9014905	1.1622944	5.6218537
5835000000	2.042035225	1.151917306	0.696113508	-3.146132806	-0.76779706	1.120107537	1.083442	0.6961348	0.9155038	1.1376414	5.6495465
5835000000	2.042035225	1.204277184	0.714370474	-2.856949773	-1.16118293	0.794954621	1.0857217	0.7197017	0.8747995	1.0958415	5.5201879
5835000000	2.042035225	1.256637061	0.706686849	-2.426068859	-1.754934349	0.363001054	1.0847617	0.7563043	0.8170587	1.0426776	5.3453178
5835000000	2.042035225	1.308996939	0.525872239	-2.055077651	-2.175302678	-0.180328014	1.0624136	0.7893073	0.7784574	0.979453	5.128657
5835000000	2.042035225	1.361356817	0.18869424	-1.862836544	-2.393624441	-0.853906924	1.0219619	0.8069715	0.7591346	0.9063682	4.8464923
5835000000	2.042035225	1.413716694	-0.05685378	-1.808795992	-2.671907501	-1.654937703	0.9934758	0.8120078	0.7351985	0.8265195	4.5427827
5835000000	2.042035225	1.466076572	-0.085052823	-1.738757935	-3.193163216	-2.53489331	0.9902557	0.8185818	0.6925192	0.7468877	4.2123744
5835000000	2.042035225	1.518436449	-0.056941802	-1.546882955	-3.925806152	-3.363495249	0.9934658	0.8368659	0.63637	0.6789304	3.9335584
5835000000	2.042035225	1.570796327	-0.28314003	-1.300721446	-4.672622316	-3.91462236	0.9679279	0.8609222	0.583965	0.6372163	3.6654865
5835000000	2.042035225	1.623156204	-0.931465342	-1.16124315	-5.125009531	-4.043983438	0.898311	0.8748586	0.5543059	0.6277704	3.3912726
5835000000	2.042035225	1.675516082	-1.804847585	-1.198467763	-5.090487137	-3.906767613	0.812377	0.8711172	0.5565134	0.6377664	3.1605339
5835000000	2.042035225	1.72787596	-2.553323861	-1.295896259	-4.667697019	-3.776955062	0.7453046	0.8614006	0.5842721	0.6473695	3.0047094
5835000000	2.042035225	1.780235837	-3.057943967	-1.282548923	-4.170783692	-3.728656832	0.7032388	0.8627253	0.6186725	0.6059793	3.0323481
5835000000	2.042035225	1.832595715	-3.172878302	-1.21117103	-3.985414956	-3.635019309	0.6939946	0.8698442	0.6320177	0.6580351	3.0881493
5835000000	2.042035225	1.884955592	-2.564375474	-1.355684166	-4.478738408	-3.539752657	0.7443569	0.8554917	0.597122	0.6652921	3.1135899
5835000000	2.042035225	1.93731547	-1.510077052	-1.932380815	-5.992104827	-3.821227423	0.8404196	0.8005362	0.501643	0.6440782	2.8811326
5835000000	2.042035225	1.989675347	-0.880931675	-2.869422473	-8.864535014	-4.910716114	0.9035526	0.7186689	0.3603904	0.5681515	2.1128039
5835000000	2.042035225	2.042035225	-1.280629836	-3.68248821	-12.13948984	-7.164484901	0.862916	0.6544487	0.2471869	0.4383043	0.8391214
5835000000	2.042035225	2.094395102	-2.894726794	-3.950643322	-10.20748724	-10.75001616	0.7165783	0.6345529	0.3087633	0.2900676	-0.220077
5835000000	2.042035225	2.14675498	-5.564925181	-4.149942134	-6.598005798	-13.53907408	0.526931	0.6201588	0.4678425	0.2104003	-0.79376
5835000000	2.042035225										

5835000000	2.094395102	-1.413716694	-0.565450906	0.823703646	-3.04829647	-1.195223572	0.9369738	1.0994746	0.7040203	0.8714427	5.1341417
5835000000	2.094395102	-1.361356817	0.474312201	0.954776005	-0.3206085467	-1.845259279	1.0561257	1.1161917	0.7058229	0.8086061	5.3122655
5835000000	2.094395102	-1.308996939	0.681625573	0.989504736	-2.972413283	-2.588986126	1.0816364	1.1026635	0.7101978	0.7422508	5.2365501
5835000000	2.094395102	-1.256637061	0.231927705	1.113521151	-0.301165378	-3.020990711	1.0270613	1.136779	0.7069966	0.706237	5.0409855
5835000000	2.094395102	-1.204277184	-0.151668092	1.326490752	-3.052319126	-2.962629107	0.9826901	1.1649963	0.7036943	0.7109983	5.0142025
5835000000	2.094395102	-1.151971306	-0.033051212	1.456763169	-3.009314611	-2.681922444	0.9662011	1.1826008	0.707187	0.7343513	5.15439
5835000000	2.094395102	-1.099557429	0.000842858	1.366343011	-2.96665338	-2.473749348	1.000097	1.1703537	0.7106689	0.752164	5.1853863
5835000000	2.094395102	-1.047197551	-0.66714118	1.07520597	-2.398098013	-2.346703811	0.9260681	1.1317755	0.7136011	0.7632465	4.9464297
5835000000	2.094395102	-0.994837674	-1.68441613	0.727222363	-2.523205264	-2.130062032	0.8237192	1.0873294	0.7478935	0.7825226	4.7142664
5835000000	2.094395102	-0.942477796	-1.782377429	0.439295707	-1.478274563	-1.721373518	0.8144813	1.0518766	0.8435023	0.8202218	4.935096
5835000000	2.094395102	-0.890117919	-0.982304882	0.173297524	-1.319229698	-1.263588969	0.8930685	1.020152	0.9639145	0.8646106	5.4408851
5835000000	2.094395102	-0.837758041	-0.369731716	-0.180797502	0.300014171	-1.034646609	0.9583263	0.9794001	1.0351439	0.8877318	5.7125007
5835000000	2.094395102	-0.785398163	-0.027225165	-0.603838763	0.192252381	-1.201562221	0.9968705	0.9328419	1.0223783	0.870807	5.6272536
5835000000	2.094395102	-0.733038286	0.598312188	-0.900297327	-0.275506073	-1.719662763	1.0713111	0.9015403	0.968779	0.8203834	5.4878076
5835000000	2.094395102	-0.680678408	1.537745558	-0.935760305	-0.335855601	-2.291305774	1.1936782	0.8978669	0.9620712	0.76813	5.6246373
5835000000	2.094395102	-0.628318531	2.22278382	-0.837458678	0.16314772	-2.365187236	1.2916332	0.9080862	1.0189606	0.761624	5.9777249
5835000000	2.094395102	-0.575958653	2.310860534	-0.745199545	0.510875776	-1.613037156	1.3047972	0.9177883	1.0605809	0.8305163	6.2640047
5835000000	2.094395102	-0.523598776	1.920649868	-0.504755168	0.29043878	-0.495936134	1.2474768	0.9435442	1.0340033	0.9450207	6.381136
5835000000	2.094395102	-0.471238898	1.524054875	0.117328574	-0.207402496	0.308839325	1.1917983	1.0135596	0.9764047	0.831961	6.4815289
5835000000	2.094395102	-0.41887902	1.516377298	0.914067448	-0.346603231	0.509553871	1.1907453	1.1109727	0.9608815	1.0604195	6.6951428
5835000000	2.094395102	-0.366519143	1.688210178	1.40074687	-0.133215449	-0.230180332	1.2145363	1.1749986	0.98478	1.0268548	6.8507623
5835000000	2.094395102	-0.314159265	1.619597198	1.327683836	-0.181692637	-0.092251996	1.2049801	1.1651165	0.9792991	0.9894353	6.7269344
5835000000	2.094395102	-0.261799388	1.251437982	0.862650637	-0.68677907	-0.037329887	1.1549732	1.1044156	0.9239779	0.9957115	6.40101
5835000000	2.094395102	-0.20943951	0.738569862	0.517055763	-1.076936527	-0.34031751	1.0887508	1.0613357	0.8833914	1.0399582	6.1786183
5835000000	2.094395102	-0.157079633	0.081277204	0.607348974	-0.762252381	0.654636261	1.0094013	1.0734263	0.9159837	1.0782807	6.1842794
5835000000	2.094395102	-0.104719755	-0.608220987	0.8285545	-0.26329328	0.672083816	0.9323714	1.1000808	0.9701421	1.0804488	6.1990962
5835000000	2.094395102	-0.052359878	-0.727191002	0.782146564	-0.366242282	0.50204528	0.9196879	0.942268	0.9587114	1.095032	6.0900888
5835000000	2.094395102	-4.44E-16	-0.18701279	0.410326692	-1.242996544	0.470273659	0.9786995	1.0483472	0.8666628	1.056348	5.9099594
5835000000	2.094395102	0.052359878	0.149156454	-0.045538361	-2.307580527	0.723002281	1.0173206	0.9947709	0.7666921	1.0864634	5.7229451
5835000000	2.094395102	0.104719755	-0.293299698	-0.272795662	-2.475229	1.024291598	0.9667964	0.9690813	0.7522697	1.1251608	5.605348
5835000000	2.094395102	0.157079633	-1.346182989	-0.200445755	-1.720765985	1.106220051	0.856428	0.9771871	0.8202792	1.1358239	5.5515383
5835000000	2.094395102	0.20943951	-2.037394636	-0.029537648	-0.981673738	0.937424576	0.7909158	0.9966051	0.8931334	1.1139642	5.5627625
5835000000	2.094395102	0.261799388	-1.661780327	0.064624128	-0.744124247	0.743799694	0.8258687	1.0074679	0.9178967	1.0894066	5.6674715
5835000000	2.094395102	0.314159265	-1.047699765	0.098111153	-1.12264004	0.736037217	0.8863699	1.0113595	0.8787554	1.0884334	5.7222062
5835000000	2.094395102	0.366519143	-1.008589042	0.183927556	-2.055750584	0.835920229	0.8903701	1.0214012	0.7892461	1.101022	5.5797325
5835000000	2.094395102	0.41887902	-1.57180058	0.340953096	-3.05442051	0.829019582	0.8344685	1.0400343	0.7035241	1.1001477	5.2920469
5835000000	2.094395102	0.471238898	-2.209367172	0.440159381	-3.097662317	0.623943846	0.7754104	1.0519812	0.7000304	1.0744772	5.1100311
5835000000	2.094395102	0.523598776	-2.39112975	0.346889317	-2.129239158	0.274314928	0.7593526	1.0407453	0.7825968	1.0320857	5.1410384
5835000000	2.094395102	0.575958653	-2.295669948	0.080485723	-1.252693605	-0.09936676	0.7677441	1.0093093	0.8656958	0.9886252	5.1808207
5835000000	2.094395102	0.628318531	-2.355959987	-0.166931002	-1.046505545	-0.36532889	0.7624336	0.9809649	0.8864918	0.9588122	5.078149
5835000000	2.094395102	0.680678408	-2.589955771	-0.243169762	-1.079373664	-0.426614491	0.742168	0.9723932	0.8553548	0.9520709	4.9151526
5835000000	2.094395102	0.73038286	-2.732677654	-0.265470825	-1.593681121	-0.273314149	0.7300727	0.9698989	0.8323751	0.9690235	4.8641607
5835000000	2.094395102	0.785398163	-2.702598125	-0.48047473	-1.44184027	0.017920694	0.7326054	0.9461854	0.8470479	1.0020653	4.9297354
5835000000	2.094395102	0.837758041	-2.610004419	-0.986873957	-1.331952223	0.353756263	0.7404569	0.8925988	0.8578323	1.0415684	4.9409364
5835000000	2.094395102	0.890117919	-2.308975974	-1.651227161	-1.657800016	0.679728725	0.7656589	0.8268272	0.8262472	1.0814002	4.863463
5835000000	2.094395102	0.942477796	-1.463809786	-1.231536265	-2.158806145	0.979617403	0.8449082	0.7734339	0.7799373	1.1193886	4.9044969
5835000000	2.094395102	0.994837674	-0.238873562	-2.637644116	-2.126963928	1.248116869	0.9728734	0.7381044	0.7828018	1.1545317	5.2212376
5835000000	2.094395102	1.047197551	0.763550446	-2.988609358	-1.483719279	1.481336774	1.0918866	0.7088748	0.8429737	1.1827878	5.6354864
5835000000	2.094395102	1.099557429	1.180008645	-3.348938494	-0.899027251	1.541881923	1.1455141	0.6800902	0.9016721	1.1942468	5.8484493
5835000000	2.094395102	1.151917306	1.096658954	-3.577025547	-0.008990442	1.417364764	1.1345743	0.6624433	0.9109729	1.1727488	5.7677556
5835000000	2.094395102	1.204277184	0.867573396	-3.508885654	-1.212088936	1.047694085	1.1050417	0.6676066	0.8697522	1.1281964	5.5707766
5835000000	2.094395102	1.256637061	0.698327382	-3.212842586	-1.810795307	0.479856534	1.0837182	0.6980808	0.8118209	1.0568001	5.2089363
5835000000	2.094395102	1.308996939	0.548724333	-2.925474617	-2.249547292	-0.192716104	1.0652124	0.7140461	0.7718317	0.9795784	4.9365394
5835000000	2.094395102	1.361356817	0.425802907	-2.807526605	-2.452559765	-0.865341252	1.0502438	0.7238085	0.7540012	0.9051758	4.6934563
5835000000	2.094395102	1.413716694	0.360054381	-2.825603922	-2.640241451	-1.657748992	1.042324	0.7223036	0.7378837	0.8262521	4.4250585
5835000000	2.094395102	1.466076572	0.2797691489	-3.034276934	-2.704323221	-0.763252921	1.0352188	0.7246285	0.7051575	0.7324599	4.0755154
5835000000	2.094395102	1.518436449	0.156432583	-2.576971058	-3.72635451	-3.957713255	1.0181731	0.7432783	0.6511518	0.6340366	3.6588225
5835000000	2.094395102	1.570796327	-0.179852607	-2.321991867	-4.661116292	-4.977126172	0.9795066	0.7733933	0.5847149	0.5642138	3.2328353
5835000000	2.094395102	1.623156204	-0.676844293	-1.984374541	-5.589182329	-5.298787911	0.9250342	0.7957585	0.5254615	0.5433261	2.8901774
5835000000	2.094395102	1.675516082	-1.159188234	-1.969726301	-6.125516765	-5.181246358	0.8750656	0.7971016	0.4939968	0.5057287	2.6608497
5835000000	2.094395102	1.72787596	-1.598539795	-2.083083168	-6.090476866	-5.056870462	0.8319036	0.7867665	0.4959937	0.5586714	2.5204685
5835000000	2.094395102	1.780235837	-1.99071266	-2.08219111	-6.125516765	-4.896691279	0.795178	0.7688473	0.5145633	0.5066097	2.4954896
5835000000	2.094395102	1.832595715	-1.97266633	-1.937578831	-6.5705603792	-4.485826417	0.7968318	0.8000572	0.5202916	0.5966349	2.6510068
5835000000	2.094395102	1.884955592	-1.282452448	-1.941903898	-6.028006141	-4.11978937	0.8627349	0.799659	0.4896209	0.6223154	2.842563
5835000000	2.094395102	1.93731547	-0.476323562	-2.41135178	-7.56944068	-4.433010544	0.9466378	0.7675586	0.4183386	0.6007239	2.6798333
5835000000	2.094395102	1.989675347	-0.340130502	-3.394005945	-9.71004371	-5.858519992	0.9615978	0.6754949	0.3269624	0.5094177	1.8492461
5835000000	2.094395102	2.042035225	-1.289111068	-4.409904864	-11.29207235	-8.472235397	0.8620738	0.6801829	0.2725187	0.3770407	0.4794702
5835000000	2.094395102	2.0									

5835000000	2.14675498	-1.518436449	-3.652888479	-0.255505922	-1.92523681	-1.836716613	0.6566827	0.9710118	0.8011949	0.8094018	4.1857181
5835000000	2.14675498	-1.466076572	-2.799797756	0.508882481	-2.642990463	-2.182982686	0.7244528	1.0603375	0.7376502	0.7777694	4.5302316
5835000000	2.14675498	-1.413716694	-0.928647615	0.931705005	-2.96314304	-2.80237223	0.8986025	1.1132309	0.7109562	0.7242381	4.7282956
5835000000	2.14675498	-1.361356817	0.28158726	1.053559268	-2.978547296	-3.52444748	1.0329501	1.1289585	0.7096965	0.6664654	4.9547297
5835000000	2.14675498	-1.308996939	0.44950292	1.028051093	-2.959767047	-4.02003563	1.0531134	1.1256479	0.7112326	0.6295036	4.9090133
5835000000	2.14675498	-1.256637061	0.128475993	1.027486833	-3.02603799	-3.999758195	1.0149013	1.1255747	0.7058267	0.6309749	4.8041875
5835000000	2.14675498	-1.204277184	0.265396432	1.083340135	-3.068740993	-3.527956696	1.0310265	1.1328359	0.7023651	0.6661962	4.9408576
5835000000	2.14675498	-1.151917306	0.867820461	1.066281196	-2.969540521	-2.973309752	1.1050731	1.1306132	0.7104328	0.7101245	5.2401026
5835000000	2.14675498	-1.095557429	1.02750747	0.856455305	-2.7936521637	-2.1255774	1.1255774	1.1036281	0.7249656	0.7417096	5.3337592
5835000000	2.14675498	-1.047197551	0.319833243	0.486643042	-2.56795589	-2.411992544	1.0375085	1.0576261	0.7438926	0.7575309	5.0971417
5835000000	2.14675498	-0.994837674	-0.617071539	0.13488282	-2.027697259	-2.276240559	0.9314219	1.0156502	0.7917993	0.7694634	4.8814206
5835000000	2.14675498	-0.942477796	-0.50312462	-0.050974284	-1.017447677	-2.019391831	0.9437213	0.9941486	0.8894624	0.7925568	5.1533505
5835000000	2.14675498	-0.890117919	0.27813918	-0.131915306	0.009554415	-1.687058624	1.0325402	0.9849274	1.0011006	0.8234686	5.6706306
5835000000	2.14675498	-0.837758041	0.625959121	-0.269604084	0.500565775	-1.513497878	1.0747265	0.9694375	1.0593227	0.8400886	5.8972929
5835000000	2.14675498	-0.785398163	0.575401811	-0.477367617	0.289527364	-1.638459438	1.0684891	0.946524	1.0338948	0.828089	5.7493092
5835000000	2.14675498	-0.733038286	0.923804984	-0.5888718	-0.254783022	-1.992635582	1.1122188	0.9344507	0.9710931	0.795002	5.6042
5835000000	2.14675498	-0.680678408	1.847071391	-0.519600033	-0.341257267	-2.334352498	1.2369541	0.941933	0.9614731	0.7643326	5.8111373
5835000000	2.14675498	-0.628318531	2.570028337	-0.43856496	-0.187169468	-1.201068561	1.3443162	0.9507619	1.0211475	0.7672671	6.2000355
5835000000	2.14675498	-0.575958653	2.59728656	-0.497806795	0.567239948	-1.651622862	1.3485415	0.9422993	1.0674855	0.826835	6.417794
5835000000	2.14675498	-0.523598776	2.050783966	-0.495507972	0.378080914	-0.646215727	1.2663076	0.9445492	1.0444894	0.9283018	6.410503
5835000000	2.14675498	-0.471238898	1.524733194	-0.044625433	-0.120320984	-0.159330742	1.1918913	0.9948755	0.986243	1.0185129	6.4268367
5835000000	2.14675498	-0.41887902	1.523799478	0.733291563	-0.331560998	-0.413684757	1.1917632	1.0880894	0.9645438	1.0487796	6.634974
5835000000	2.14675498	-0.366519143	1.747454644	1.271395854	-0.163337601	0.129555437	1.2228487	1.1576301	0.9813708	1.0150274	6.8026868
5835000000	2.14675498	-0.314159265	1.673913253	1.238685672	-0.238582132	-0.322019582	1.2125389	1.1532787	0.972906	0.9636049	6.6534716
5835000000	2.14675498	-0.261799388	1.246027888	0.774316054	-0.734059497	-0.404067844	1.154254	1.0932407	0.918609	0.9545454	6.2794546
5835000000	2.14675498	-0.20943951	0.667544314	0.407084786	-1.100953789	-0.00038715	1.0798843	1.047983	0.8809521	0.9999554	6.0396334
5835000000	2.14675498	-0.157079633	-0.013812952	0.502512925	-0.782001116	-0.451989716	0.998411	1.0595602	0.9139027	1.053415	6.0753411
5835000000	2.14675498	-0.104719755	-0.672318995	0.761430075	-0.290087199	0.594887506	0.9255163	1.09162	0.967154	1.0708888	6.1396009
5835000000	2.14675498	-0.052359878	-0.743343396	0.755366509	-0.387079164	0.646002173	0.9179792	1.0908583	0.9561413	1.057548	6.0699684
5835000000	2.14675498	-4.44E-16	-0.187013022	0.410326738	-1.24296399	0.47027372	0.9786995	1.0483742	0.8666628	1.0563488	5.9099594
5835000000	2.14675498	0.052359878	0.158526233	-0.033103164	-2.310875172	0.733378282	1.0184186	0.9961961	0.7664013	1.0881003	5.7316357
5835000000	2.14675498	0.104719755	-0.245255294	-0.262702467	-2.545060615	1.044202692	0.9721589	0.9702081	0.746014	1.127743	5.6118494
5835000000	2.14675498	0.157079633	-1.22743666	-0.215547507	-1.837227125	1.105269123	0.8682168	0.9754896	0.8093542	1.1356996	5.5493423
5835000000	2.14675498	0.20943951	-1.897070131	-0.092543268	-1.052447838	0.909091864	0.8037972	0.9894021	0.8853757	1.1103364	5.5496893
5835000000	2.14675498	0.261799388	-1.624871983	-0.048077158	-0.731554406	0.740789161	0.8293854	0.9944802	0.919226	1.080929	5.6481835
5835000000	2.14675498	0.314159265	-1.127779817	-0.033355952	-1.013875612	0.81548541	0.8782355	0.9961671	0.8898283	1.0984348	5.7171426
5835000000	2.14675498	0.366519143	-1.117594316	0.078876487	-1.864710477	0.970997776	0.879266	1.0091223	0.8067974	1.1182783	5.6057931
5835000000	2.14675498	0.41887902	-1.558822748	0.276887321	-0.328289808	0.94869804	0.8357163	1.0323914	0.7212495	1.1154109	5.3546206
5835000000	2.14675498	0.471238898	-1.943233799	0.389773727	-2.989677072	0.709531655	0.7995365	1.0458964	0.7087885	1.085117	5.1998491
5835000000	2.14675498	0.523598776	-1.935223466	0.279555402	-2.179973707	0.4001731781	0.8002742	1.0327085	0.7780389	1.0473373	5.2451265
5835000000	2.14675498	0.575958653	-1.806031873	0.005645638	-1.384794119	0.179407711	0.8122662	1.0006502	0.8526294	1.0208699	5.3114862
5835000000	2.14675498	0.628318531	-1.891033245	-0.18666275	-0.937727267	0.085661746	0.8043561	0.978739	0.8770284	1.009911	5.2728027
5835000000	2.14675498	0.680678408	-2.135850664	-0.141764467	-1.24553027	0.0960807	0.7820013	0.9838112	0.8664101	1.0111231	5.2094077
5835000000	2.14675498	0.733038286	-2.260944375	-0.035647576	-1.171043365	0.192045316	0.7708197	0.9959043	0.873872	1.0223563	5.2560253
5835000000	2.14675498	0.785398163	-2.181042144	-0.161927966	-0.811289486	0.345659521	0.7779432	0.9815301	0.9108262	1.040598	5.3689792
5835000000	2.14675498	0.8375758041	-1.985907273	-0.630228172	-0.623148605	0.497004351	0.756181	0.9300121	0.9307704	1.0588885	5.3792522
5835000000	2.14675498	0.890117919	-1.542296988	-1.304891711	-0.882078512	0.599577409	0.8373078	0.860509	0.9034333	1.0714672	5.27915
5835000000	2.14675498	0.942477796	-0.625258097	-1.942637606	-1.313688018	0.687509015	0.9305444	0.7959914	0.859638	1.0823693	5.2777919
5835000000	2.14675498	0.994837674	0.524689647	-2.451862491	-1.33811616	0.85888666	1.0622689	0.7540617	0.8572237	1.1039371	5.52347
5835000000	2.14675498	1.047197551	1.344641653	-2.944789271	-0.877024337	1.120293317	1.174333	1.07124601	0.903959	1.1736657	5.8484847
5835000000	2.14675498	1.099557429	1.51235672	-3.474954674	-0.439891337	1.297330031	1.1901942	0.6702738	0.9506167	1.1610916	5.5999706
5835000000	2.14675498	1.151917306	1.139586916	-3.874394118	-0.387582582	1.189508523	1.1401956	0.6401479	0.9563588	1.1467676	5.7637989
5835000000	2.14675498	1.204277184	0.63914946	-3.931536324	-0.713261729	0.75572866	1.0763598	0.6359503	0.9211639	1.0909037	5.4004746
5835000000	2.14675498	1.256637061	0.340597989	-3.69235662	-1.166973377	0.160205415	1.0399918	0.5636378	0.8742816	1.0186155	5.0728813
5835000000	2.14675498	1.308996939	0.310046914	-3.421204164	-1.480491287	-0.357151097	1.0363402	0.6744345	0.8432871	0.9597154	4.9848844
5835000000	2.14675498	1.361356817	0.439862328	-3.307969101	-1.624761453	-0.769781045	1.0519452	0.6832845	0.829396	0.9515893	4.8105231
5835000000	2.14675498	1.413716694	0.492774562	-3.344356656	-1.799283345	-1.34599251	1.0583729	0.680428	0.8128976	0.8564668	4.6297621
5835000000	2.14675498	1.466076572	0.336618974	-3.357277877	-2.28994772	-2.340353098	1.0395155	0.6794165	0.7736602	0.7638047	4.2341468
5835000000	2.14675498	1.518436449	0.012879265	-3.169576709	-3.078240971	-3.65767802	1.0014839	0.6942584	0.7015974	0.6563207	3.6758148
5835000000	2.14675498	1.570796327	-0.365515657	-2.813422618	-4.45254927	-0.4765738663	0.9587916	0.7233173	0.5990144	0.577142	3.1031896
5835000000	2.14675498	1.623156204	-0.606120853	-2.530526957	-6.361728002	-5.29206554	0.9325969	0.7472633	0.4807437	0.5437468	2.6206602
5835000000	2.14675498	1.675516082	-0.714040267	-2.514228537	-5.893180619	-5.92040366	0.9210813	0.7486668	0.371827	0.5252886	2.1674566
5835000000	2.14675498	1.72787596	-0.97790627	-2.697238312	-10.40600387	-5.975557393	0.8935208	0.7330576	0.3017865	0.5025996	1.6949724
5835000000	2.14675498	1.780235837	-1.35318743	-2.787498305	-10.96417955	-6.062459764	0.8557376	0.7254794	0.283003	0.4975962	1.4443219
5835000000	2.14675498	1.832595715	-1.259569253	-2.637859336	-10.73537849	-5.501101881	0.8650108	0.7380861	0.2905568	0.5308171	1.6177394
5835000000	2.14675498	1.884955592	-0.545594386	-2.524496429	-10.49367612	-4.977689664	0.9391183	0.7477823	0.2987557	0.5637876	2.1083091
5835000000	2.14675498	1.93731547	0.022709593	-2.866892729	-10.1981352	-5.332408781	1.002618	0.7188278	0.3090959	0.5412271	2.184209
5835000000	2.14675498	1.989675347	-0.287589512	-3.845374033	-9.628893179	-6.750952665	0.9674322				

5835000000	2.199114858	-1.623156204	-3.092447368	-2.785109763	-0.206156812	-1.711268991	0.7004508	0.7256789	0.9765448	0.8211766	4.1468995
5835000000	2.199114858	-1.570796327	-4.055270354	-1.633170962	-0.951082352	-1.926196874	0.6269552	0.8285934	0.8962845	0.8011063	3.9537124
5835000000	2.199114858	-1.518436449	-4.845151176	-0.568562698	-1.809521414	-2.435062902	0.5724564	0.966382	0.81194	0.7555215	3.740697
5835000000	2.199114858	-1.466076572	-3.232899816	0.23690904	-2.480330294	-3.083953938	0.6892155	1.0276505	0.7515943	0.7011361	3.9994793
5835000000	2.199114858	-1.413716694	-0.999629841	0.700282671	-2.776718562	-3.639868861	0.8912889	1.0839622	0.7263803	0.6576678	4.5043738
5835000000	2.199114858	-1.361356817	0.098629254	0.858531426	-2.801239748	-3.947049213	1.0114198	1.103892	0.7243326	0.6348155	4.7971461
5835000000	2.199114858	-1.308996939	0.090556349	0.854027865	-2.800207287	-4.017563362	1.0104802	1.1033198	0.7244187	0.6296828	4.780735
5835000000	2.199114858	-1.256637061	-0.100315137	0.844909734	-2.867103254	-3.851156354	0.9885172	1.1021621	0.7188609	0.6418628	4.7393135
5835000000	2.199114858	-1.204277184	0.525229596	0.860079015	-2.864788993	-4.351017696	1.062335	1.1040887	0.7190524	0.671236	5.0025415
5835000000	2.199114858	-1.151917306	1.434796867	0.77996357	-2.650850996	-2.97631442	1.1796138	1.0939446	0.736983	0.7098789	5.3912401
5835000000	2.199114858	-1.09557429	1.628727656	0.489629794	-2.303008599	-2.64369542	1.2062474	1.0579898	0.7670957	0.7375904	5.5037461
5835000000	2.199114858	-1.047197551	0.943817637	0.025927302	-1.913439121	-2.571993124	1.1147844	1.0029895	0.8022838	0.7437044	5.2579453
5835000000	2.199114858	-0.994837674	0.270456461	-0.401682383	-1.33560819	-2.670331739	1.0316273	0.9548076	0.8574713	0.7353319	5.0552119
5835000000	2.199114858	-0.942477796	0.684182716	-0.589431212	-0.475988413	-2.679129039	1.0819548	0.9343906	0.9466743	0.7345875	5.3378156
5835000000	2.199114858	-0.890117919	1.445063599	-0.581016542	0.3634556	-2.511290393	1.1810089	0.9352962	1.0394827	0.7489201	5.8111712
5835000000	2.199114858	-0.837758041	1.571425494	-0.562741663	0.653266667	-2.359625095	1.1983158	0.9372661	1.0781106	0.7621119	5.9679004
5835000000	2.199114858	-0.785398163	1.179777858	-0.563772178	0.328835433	-2.356455722	1.1454836	0.9371549	1.0385843	0.76239	5.7641189
5835000000	2.199114858	-0.733038286	1.221845702	-0.444784142	-0.258265211	-2.427756546	1.151045	0.9500813	0.9707038	0.7561573	5.6388102
5835000000	2.199114858	-0.680678408	2.070443568	-0.196894464	-0.14421412	-2.418648441	1.269177	0.975867	0.9644482	0.7569507	5.9511892
5835000000	2.199114858	-0.628318531	2.811583152	-0.059778249	0.250646589	-2.194032806	1.3822263	0.9931414	1.0292771	0.7767806	6.4058872
5835000000	2.199114858	-0.575958653	2.80100798	-0.20962125	0.65401043	-1.645051391	1.3805445	0.9761553	1.078203	0.8274608	6.5724099
5835000000	2.199114858	-0.523598776	2.143081368	-0.416917879	0.470257684	-0.824833852	1.2798353	0.9531343	1.0556328	0.909407	6.4042683
5835000000	2.199114858	-0.471238898	1.522204078	-0.152615941	-0.040135548	-0.072948208	1.1915443	0.9825883	0.9953899	0.9916367	6.3636756
5835000000	2.199114858	-0.41887902	1.538242522	0.583237555	-0.282674589	0.240216197	1.1937465	1.0694534	0.9679797	1.0280491	6.5660048
5835000000	2.199114858	-0.366519143	1.808428192	1.59128256	-0.194322669	0.001688264	1.2314631	1.1427636	0.9778762	1.0001944	6.7537712
5835000000	2.199114858	-0.314159265	1.726511863	1.16024336	-0.301043669	-0.528412063	1.2199038	1.1429104	0.9659348	0.9409778	6.5874019
5835000000	2.199114858	-0.261799388	1.240527492	0.69486018	0.3634556	-2.511290393	1.1535233	1.0832857	0.9135245	0.9169979	6.1655913
5835000000	2.199114858	-0.20943951	0.597170356	0.304658096	-1.11958549	-0.346663847	1.0711703	1.0356974	0.8796045	0.9608748	5.9043179
5835000000	2.199114858	-0.157079633	-0.108602949	0.40163164	-0.792765179	0.241796269	0.9875745	1.0473253	0.9127708	1.0282289	5.968108
5835000000	2.199114858	-0.104719755	-0.7344104	0.694971501	-0.313200481	0.515352353	0.9189238	1.0829996	0.9645838	1.0611276	6.0814087
5835000000	2.199114858	-0.052359878	-0.757329301	-0.727914808	-0.408607631	0.47029095	0.9165022	1.087416	0.9540467	1.056369	6.0500856
5835000000	2.199114858	-4.44E-16	-0.187012815	0.410326763	-1.242996673	0.470273519	0.9786995	1.0483742	0.8666628	1.0565347	5.9099594
5835000000	2.199114858	0.052359878	0.168020092	-0.200003022	-2.110060921	0.474593024	1.0195323	0.9976997	0.7664732	1.0898824	5.7416678
5835000000	2.199114858	0.104719755	-0.192718082	-0.254782222	-2.614400326	1.068335632	0.9780568	0.9710931	0.7400789	1.1308807	5.6209164
5835000000	2.199114858	0.157079633	-1.096536512	-0.238443262	-1.96091905	1.110144762	0.8814003	0.9729216	0.7979103	1.1363372	5.5489490
5835000000	2.199114858	0.20943951	-1.733439499	-0.165542702	-1.150430457	0.886406883	0.8190832	0.9811217	0.875951	1.1074404	5.5374958
5835000000	2.199114858	0.261799388	-1.549095169	-0.164368932	-0.740650628	0.741789679	0.8366527	0.9812543	0.9182638	1.0891545	5.6237675
5835000000	2.199114858	0.314159265	-1.1549386	-0.155352239	-0.916047641	0.887260163	0.8754938	0.9822734	0.899907	1.1075492	5.7228919
5835000000	2.199114858	0.366519143	-1.161355933	-0.009212085	-1.641306057	1.077128903	0.8748472	0.99894	0.8278177	1.1320261	5.6516062
5835000000	2.199114858	0.41887902	-1.482141862	0.222495379	-2.505811053	1.028224393	0.8431268	1.0259466	0.7493927	1.1256703	5.4464335
5835000000	2.199114858	0.471238898	-1.644097797	0.334947041	-2.70264494	0.765956144	0.8275517	1.03935154	0.7326031	1.091289	5.323832
5835000000	2.199114858	0.523598776	-1.459561121	0.198028569	-2.09184951	0.510898172	0.8453216	1.0230608	0.7859728	1.0605836	5.3784332
5835000000	2.199114858	0.575958653	-1.248923289	-0.088559443	-1.472722168	0.38577833	0.8660717	0.989856	0.8440854	1.0454155	5.4494304
5835000000	2.199114858	0.628318531	-1.28140525	-0.237361254	-1.294895785	0.316665495	0.8623839	0.9730428	0.8614999	1.0371302	5.4240767
5835000000	2.199114858	0.680678408	-1.465221177	-0.1011715	-1.314280574	0.216933513	0.8447709	0.9884198	0.8597575	1.0252899	5.3861349
5835000000	2.199114858	0.73038286	-1.550068855	0.091247522	-1.027343781	0.101828508	0.836559	1.0105606	0.8884496	1.0117924	5.4539123
5835000000	2.199114858	0.785398163	-1.480592199	0.015817942	-0.374876114	-6.12702E-06	0.8432773	1.0071828	0.9469045	0.9999993	5.5567755
5835000000	2.199114858	0.837758041	-1.309131968	-0.438992103	-0.128015574	-0.137842249	0.860089	0.9501571	0.9853697	0.9842556	5.5302228
5835000000	2.199114858	0.890117919	-0.866615658	-1.133730484	-0.186069534	-0.354621972	0.905043	0.8776341	0.9788058	0.9599948	5.3937805
5835000000	2.199114858	0.942477796	-0.925016239	-1.820262722	-0.377182082	-0.512652487	1.0028843	0.8109365	0.9575047	0.9426867	5.7326264
5835000000	2.199114858	0.994837674	1.05658538	-2.391344807	-0.281606098	-0.353517191	1.1293519	0.7593338	0.9680988	0.960117	5.6136191
5835000000	2.199114858	1.047197551	1.660073372	-2.932659026	-0.107765399	0.082145538	1.2106084	0.7134558	1.0124842	1.0095022	5.2962653
5835000000	2.199114858	1.099557429	1.539358438	-3.474677293	0.429401521	0.408666838	1.1938999	0.6702952	1.0506791	1.0481739	5.939987
5835000000	2.199114858	1.151917306	0.845889617	-3.84130076	0.449913833	0.363583666	1.1022865	0.6425915	1.0531632	1.0427476	5.6678085
5835000000	2.199114858	1.204277184	0.088004975	-3.833131078	-2.514093137	0.043105462	1.0101834	0.6431962	1.02511	1.004975	5.3045301
5835000000	2.199114858	1.256637061	-0.23983173	-3.512908143	-0.058407918	-0.199546096	0.9727661	0.6673514	0.9932981	0.9772883	5.1312375
5835000000	2.199114858	1.308996939	-0.040082251	-3.141288283	-0.195778523	-0.167698286	0.995396	0.6965322	0.9777123	0.9808782	5.2264702
5835000000	2.199114858	1.361356817	0.301608799	-0.22765203	-0.121995406	-0.3683464	1.0353339	0.7151092	0.9741311	0.9860529	5.3683464
5835000000	2.199114858	1.413716694	0.321990686	-2.851154241	-3.33154141	-0.445414276	1.0377662	0.720182	0.9625921	0.9500124	5.2740296
5835000000	2.199114858	1.463076572	-0.056115477	-2.840103407	-0.683250667	-1.255080147	0.9935603	0.7021089	0.9243522	0.865458	4.8718454
5835000000	2.199114858	1.518436449	-0.595282476	-2.721703972	-1.41647331	-2.311315834	0.9337613	0.7309957	0.8495253	0.7663624	4.2985842
5835000000	2.199114858	1.570796327	-0.939221658	-2.473118342	-2.638589055	-3.218345	0.8975092	0.7522186	0.7380241	0.6903713	3.7451203
5835000000	2.199114858	1.623156204	-0.837301233	-2.270862613	-4.460642791	-3.938049727	0.9081026	0.76994	0.5983673	0.6354736	3.6228801
5835000000	2.199114858	1.675516082	-0.641119011	-2.305502168	-7.035375695	-4.814156265	0.9288467	0.7668756	0.444868	0.5745028	2.6550498
5835000000	2.199114858	1.72787596	-0.84846471	-2.563340398	-10.5913533	-5.901546503	0.9069363	0.7444456	0.2954149	0.5069094	1.7758194
5835000000	2.199114858	1.780235837	-1.24262682	-2.78601263	-15.2261816	-6.522261942	0.8666997	0.7256035	0.1732571	0.4719401	0.9746625
5835000000	2.199114858	1.832595715	-1.053864522	-2.750850914	-17.92901533	-6.206098943	0.8857411	0.7285468	0.1269256	0.489435	0.9480229
5835000000	2.199114858	1.884955592	-0.323467								

5835000000	2.251474735	-1.72787596	-4.049751234	-4.733862751	0.342479492	-1.948608076	0.6273537	0.5798383	1.0402171	0.799042	3.6552839
5835000000	2.251474735	-1.675516082	-3.564477582	-4.19853181	0.417705835	-1.525424836	0.663401	0.6166992	1.0492653	0.8389359	3.9959297
5835000000	2.251474735	-1.623156204	-3.715569963	-3.538481992	0.02829739	-1.479031594	0.6519608	0.6653894	1.0032632	0.8434288	3.9842455
5835000000	2.251474735	-1.570796327	-4.651883121	-2.626502291	-0.686122565	-1.840442516	0.5720261	0.7390518	0.9240466	0.8090547	3.6488043
5835000000	2.251474735	-1.518436449	-5.049659504	-1.598798901	-1.483086103	-2.351822627	0.5591354	0.8318797	0.8430352	0.7627968	3.5126198
5835000000	2.251474735	-1.466076572	-2.777860518	-0.722905454	-2.089578487	-2.624213448	0.7262848	0.9201418	0.7861783	0.7392466	4.0056573
5835000000	2.251474735	-1.413716694	-0.721217856	-0.170068512	-2.363722296	-2.519153328	0.9203205	0.9806106	0.7617525	0.7482424	4.6368641
5835000000	2.251474735	-1.361356817	-0.004642493	0.061383777	-2.408520666	-2.310788903	0.9994657	1.0070921	0.7578383	0.7664089	4.9368636
5835000000	2.251474735	-1.308996939	-0.275089711	0.191961696	-2.42841364	-2.248556047	0.9688254	1.0138176	0.7561001	0.7711918	4.8871827
5835000000	2.251474735	-1.256637061	-0.293835167	0.179486899	-2.476627668	-2.272365325	0.9667368	1.0208792	0.7519148	0.7698068	4.8830929
5835000000	2.251474735	-1.204277184	0.763071771	0.27276728	-2.38920849	-2.202481906	1.0918264	1.0319018	0.7595206	0.7760253	5.2472991
5835000000	2.251474735	-1.151917306	1.84628483	0.258136272	-2.031196897	-2.031713589	1.236842	1.0301651	0.7914804	0.7914333	5.688436
5835000000	2.251474735	-1.09557429	2.050092346	-0.009474571	-1.530644157	-1.965356577	1.2662067	0.9989098	0.8384319	0.7975027	5.803033
5835000000	2.251474735	-1.047197551	1.472795814	-0.51576473	-1.051704375	-2.214451156	1.1847857	0.942349	0.8859614	0.7794567	5.5477204
5835000000	2.251474735	-0.994837674	1.127674019	-1.035657172	-0.536783058	-2.740129909	1.1386328	0.8875997	0.9400714	0.7294466	5.333453
5835000000	2.251474735	-0.942477796	1.732595105	-1.295721453	0.097796277	-3.198942862	1.2207585	0.861418	1.0113228	0.6919152	5.5416689
5835000000	2.251474735	-0.890117919	2.394381353	-1.282035929	0.647882017	-3.32517709	1.3174043	0.8627763	1.0774425	0.6819321	5.8883438
5835000000	2.251474735	-0.837758041	2.313615508	-1.174829515	0.767213042	-3.233898738	1.3052112	0.8734912	1.0923471	0.6891362	5.9337109
5835000000	2.251474735	-0.785398163	1.641807896	-0.996660624	0.340636019	-3.081526865	1.2080653	0.9815937	1.0399957	0.701332	5.6682559
5835000000	2.251474735	-0.733038286	1.406803346	-0.623459863	-0.235467758	-2.841296743	1.1578182	0.9307371	0.9732549	0.7209998	5.5769233
5835000000	2.251474735	-0.680678408	2.17182884	-0.140100544	-0.210540547	-2.480590583	1.2840781	0.9839997	0.9759944	0.7515718	6.011136
5835000000	2.251474735	-0.628318531	2.935781566	0.120812523	0.385849531	-2.074248448	1.4021326	1.0140602	1.045424	0.7875671	6.5454004
5835000000	2.251474735	-0.575958653	2.920636201	-0.045629049	-0.767561801	-1.628436878	1.3996898	0.9476065	1.0923909	0.8290451	6.6808002
5835000000	2.251474735	-0.523598776	2.2046997	-0.391015522	0.556636211	-1.030992531	1.2898468	0.9559089	1.0661831	0.8880765	6.4427051
5835000000	2.251474735	-0.471238898	1.530883132	-0.271142306	0.027348109	-0.370255821	1.1927355	0.9692658	1.0027378	0.9582685	6.2836829
5835000000	2.251474735	-0.41887902	1.569025966	-0.345705722	-0.260145712	-0.009139605	1.1979848	1.0514419	0.9704937	1.0010528	6.4876519
5835000000	2.251474735	-0.366519143	1.872860358	1.050602136	-0.229438934	-0.139178459	1.2406321	1.1285742	0.9739307	0.9841042	6.7036221
5835000000	2.251474735	-0.314159265	1.776342886	1.085397591	-0.370151579	-0.697045493	1.2269225	1.1331043	0.95828	0.9228853	6.529159
5835000000	2.251474735	-0.261799388	1.23421664	0.621505564	-0.840577263	-1.062294454	1.1526855	1.0741756	0.9077602	0.8848818	6.0628475
5835000000	2.251474735	-0.20943951	0.528317271	0.210080034	-1.131713762	-0.684884869	1.0672117	1.0244812	0.8778379	0.9241783	5.7766281
5835000000	2.251474735	-0.157079633	-0.201320589	0.305916353	-0.794314729	-0.02796649	0.9770887	1.0358475	0.912608	1.0034329	5.8649898
5835000000	2.251474735	-0.104719755	-0.793247825	0.629873521	-0.332660756	0.435079601	0.9127201	1.0752109	0.9624251	1.0513661	6.024339
5835000000	2.251474735	-0.052359878	-0.768919553	0.699967772	-0.430794201	0.455072316	0.9152801	1.0839229	0.9516128	1.0537889	6.0305932
5835000000	2.251474735	-4.44E-16	-0.187013099	0.410326735	-1.242969642	0.470273642	0.9786995	1.0834742	0.9666628	1.0556348	5.9095954
5835000000	2.251474735	0.052359878	0.177514718	-0.006255204	-2.304820625	0.762868212	1.0206474	0.9992801	0.7669357	1.0918008	5.7530434
5835000000	2.251474735	0.104719755	0.15079633	-0.249004778	-2.678762107	1.096521389	0.9844062	0.9717393	0.7346186	1.1345563	5.6327564
5835000000	2.251474735	0.157079633	-0.955684721	-0.268820398	-2.090248676	1.12040031	0.8958097	0.9695249	0.7861177	1.1376797	5.5252889
5835000000	2.251474735	0.20943951	-1.548444366	-0.247806192	-1.261863514	0.866549354	0.8367154	0.9718734	0.8647824	1.1049114	5.5252899
5835000000	2.251474735	0.261799388	-1.430847241	-0.283841713	-0.77128819	0.736753899	0.8481207	0.9678497	0.9144155	1.0885232	5.6181863
5835000000	2.251474735	0.314159265	-1.118191552	-0.271088446	-0.843769887	0.931140908	0.8792056	0.9692718	0.9074269	1.1131586	5.7315158
5835000000	2.251474735	0.366519143	-1.129091041	-0.091849783	-1.420826701	1.124848908	0.878103	0.9894811	0.8490997	1.1382625	5.6997667
5835000000	2.251474735	0.41887902	-1.347910592	0.158433977	-1.232381761	0.102389985	0.8562577	1.0184078	0.7830854	1.12511	5.5358074
5835000000	2.251474735	0.471238898	-1.343371304	0.253377877	-2.29543729	0.721461949	0.8567053	1.0296009	0.7677647	1.0866085	5.4384096
5835000000	2.251474735	0.523598776	-1.021699582	0.079687022	-1.854780637	0.488858431	0.8890271	1.0092165	0.8077202	1.0578959	5.4920688
5835000000	2.251474735	0.575958653	-0.719800323	-0.227347496	-1.444088209	0.379394093	0.9204707	0.9741652	0.8468287	1.0446419	5.5432569
5835000000	2.251474735	0.628318531	-0.660206558	-0.351844548	-0.207294189	-0.138761512	0.9268078	0.9603109	0.8499936	1.0245127	5.4860578
5835000000	2.251474735	0.680678408	-0.731323977	-0.160854823	-1.458187218	-0.138761512	0.9192503	0.9816153	0.8454553	0.9841514	5.4147605
5835000000	2.251474735	0.733038286	-0.736606786	0.077275229	-1.084027034	-0.58910415	0.9186914	1.0089363	0.8826706	0.9344257	5.4477965
5835000000	2.251474735	0.785398163	-0.681066115	0.022757723	-0.400360283	-1.048356366	0.9245847	1.0062325	0.9549589	0.8863029	5.5027014
5835000000	2.251474735	0.837758041	-0.594524607	-0.429719369	0.097865836	-1.54618965	0.9338428	0.9517306	1.0113309	0.8939327	5.4225071
5835000000	2.251474735	0.890117919	-0.250878337	-1.125497932	0.252722664	-2.099239223	0.9715297	0.8784663	1.0295232	0.7853044	5.2604616
5835000000	2.251474735	0.942477796	0.538060091	-1.79289516	0.310230575	-2.38455921	1.0639054	0.8134957	1.0363621	0.7939273	5.2814153
5835000000	2.251474735	0.994837674	1.414045718	-2.298109938	0.551797723	-1.98082474	1.176799	0.7675285	1.0662521	0.7960838	5.5902894
5835000000	2.251474735	1.047197551	1.781100586	-2.71033269	0.938200823	-1.204208493	1.2275948	0.7319533	1.1140637	0.8705417	5.8984762
5835000000	2.251474735	1.099557429	1.362664793	-3.066388174	1.185063346	-0.691757698	1.1698582	0.7025554	1.1461809	0.9234473	5.8938247
5835000000	2.251474735	1.151971306	0.374054624	-3.237135601	1.162493842	-0.599141029	1.0440054	0.6888794	1.1432065	0.9333466	5.5966181
5835000000	2.251474735	1.204277184	-0.528596678	-3.08988797	0.954997958	-0.598367992	0.9409578	0.7006572	1.1162203	0.9334297	5.3229045
5835000000	2.251474735	1.256637061	-0.699125986	-2.694435754	-0.320825021	-0.320825021	0.9226643	0.7332941	1.0914511	0.9637375	5.3695632
5835000000	2.251474735	1.308996939	-0.224402989	-2.260903197	0.701159815	0.107527055	0.9744955	0.7708233	1.0840717	1.0124565	5.6702013
5835000000	2.251474735	1.361356817	0.148916237	-1.955159006	0.70222704	0.288376767	1.0172924	0.7984396	1.086454	1.0278834	5.8674044
5835000000	2.251474735	1.413716694	-0.096409494	-1.822482894	0.663030904	-0.193626879	0.9889618	0.8107293	1.0793233	0.9779545	5.7043228
5835000000	2.251474735	1.466076572	-0.869646783	-1.793336971	0.396149044	-1.12549963	0.9047272	0.8134543	1.0466644	0.8784661	5.2093273
5835000000	2.251474735	1.518436449	-1.662392119	-1.743852226	-0.170748779	-2.234628501	0.8258105	0.8181019	0.9805338	0.7731586	4.6028571
5835000000	2.251474735	1.570796327	-1.842399335	-1.626362101	-1.108389083	-3.25591469	0.8088724	0.8292432	0.8801983	0.6873917	4.0978728
5835000000	2.251474735	1.623156204	-1.327616501	-1.544756723	-2.486790695	-4.349024239	0.8582606	0.8370707	0.7510355	0.6010663	3.6724371
5835000000	2.251474735	1.675516082	-0.932968131	-0.644932953	-1.47599171	-5.8679438	0.8981556	0.8274721	0.6042274	0.5088653	3.0418524
5835000000	2.251474735	1.72787596	-1.172571318	-1.939601787	-6.79419612	-7.663823327	0.8737183	0.7998709	0.4573937	0.4138175	2.0924747
5835000000	2.2514										

5835000000	2.303834613	-1.832595715	-4.365376927	-6.209536841	-0.648144914	-3.07795397	0.6049663	0.4892414	0.9280957	0.7016206	2.6832993
5835000000	2.303834613	-1.780235837	-4.777537851	-5.021175169	0.210143249	-2.543403368	0.57693	0.5609721	1.0244887	0.7461563	3.252922
5835000000	2.303834613	-1.72787596	-4.430933263	-5.205735279	0.766335566	-1.867453869	0.6004175	0.616188	1.0922367	0.8065426	3.8496341
5835000000	2.303834613	-1.675516082	-3.827919646	-3.79648586	0.867458997	-1.474973927	0.6435822	0.6459155	1.1050272	0.8438229	4.1858697
5835000000	2.303834613	-1.623156204	-4.021419759	-3.579764192	0.5269516	-1.550318539	0.6294033	0.6622345	1.0623919	0.8565349	4.056751
5835000000	2.303834613	-1.570796327	-4.789090101	-3.200834459	-0.112931563	-1.875466164	0.5761632	0.6917645	0.9870824	0.8057989	3.6961248
5835000000	2.303834613	-1.518436449	-4.009884641	-2.507455915	-0.816004717	-1.970658051	0.6302397	0.7492508	0.9103319	0.7970161	3.7696783
5835000000	2.303834613	-1.466076572	-1.765331098	-1.732258336	-1.350236624	-1.559389317	0.8160813	0.8191946	0.8560284	0.8356618	4.4203672
5835000000	2.303834613	-1.413716694	-0.260446613	-1.181320448	-1.61334243	-0.94498023	0.9704601	0.8728387	0.8304871	0.8969144	5.0344678
5835000000	2.303834613	-1.361356817	-0.031167342	-0.945467536	-1.694983819	-0.575642099	0.9964182	0.9868641	0.8227176	0.9385751	5.2297181
5835000000	2.303834613	-1.308996939	-0.515028538	-0.877739062	-1.745783844	-0.568033778	0.9424289	0.9038847	0.81792	0.9366952	5.1076907
5835000000	2.303834613	-1.256637061	-0.261635599	-0.751206988	-1.771556413	-0.727992035	0.9703272	0.9171485	0.8154966	0.919603	5.1597488
5835000000	2.303834613	-1.204277184	-1.113180281	-0.571036278	-0.816517196	-0.816517196	1.1367344	0.942211	0.8320468	0.9102782	5.6235555
5835000000	2.303834613	-1.151917306	2.245969444	-0.367455747	-1.131471904	-0.815432501	1.2950856	0.9585775	0.8778623	0.9103919	6.1111484
5835000000	2.303834613	-1.095557429	2.448626799	-0.516515576	-0.563071342	-0.953360077	1.3256575	0.9422675	0.9372305	0.8960495	6.2376298
5835000000	2.303834613	-1.047197551	2.009600871	-0.99489435	-0.098720738	-1.46983124	1.2603177	0.891775	0.9886987	0.8443226	5.9882152
5835000000	2.303834613	-0.994837674	1.89751229	-1.583301671	-0.275060642	-2.341257712	1.2441582	0.8333643	1.0321743	0.7637252	5.7412965
5835000000	2.303834613	-0.942477796	2.513939721	-1.959244151	0.649937989	-1.93473607	1.3356633	0.7980641	1.0776976	0.6922482	5.8088691
5835000000	2.303834613	-0.890117919	3.009809211	-2.042506529	0.9241905	-3.636089182	1.4141337	0.7904505	1.1122682	0.657954	5.9657197
5835000000	2.303834613	-0.837758041	2.740286054	-1.974575509	0.848799357	-3.666782382	1.3709269	0.7966567	1.1026558	0.6556331	5.858124
5835000000	2.303834613	-0.785398163	1.860837726	-1.722945666	0.560401901	-3.452236636	1.2389161	0.8200734	1.0418857	0.6720292	5.5129162
5835000000	2.303834613	-0.733038286	1.433305904	-1.13404451	-0.141661616	-3.022320894	1.1794113	0.8776023	0.9838229	0.7061288	5.4529938
5835000000	2.303834613	-0.680678408	2.155799641	-0.39873464	-0.008539528	-2.444450851	1.2817106	0.9551317	0.9990173	0.7547054	6.000088
5835000000	2.303834613	-0.628318531	2.962322427	0.024579114	0.582129101	-1.944809823	1.4064233	1.0028338	1.069317	0.7993915	6.6041461
5835000000	2.303834613	-0.575958653	2.975490238	-0.105340041	-1.619667308	-1.619667308	1.4085573	0.9879455	1.1082353	0.8298826	6.7184219
5835000000	2.303834613	-0.523598776	2.252453186	-0.51733813	0.623527923	-1.256006208	1.2965027	0.9421744	1.0744257	0.8653657	6.3988074
5835000000	2.303834613	-0.471238898	1.564754922	-0.46857172	0.063559274	-0.95510757	1.1973958	0.947483	1.0073444	0.9219863	6.1802672
5835000000	2.303834613	-0.41887902	1.621020315	0.255325302	-0.24957583	-0.250137718	1.2051775	1.0298317	0.9716754	0.9716125	6.3993866
5835000000	2.303834613	-0.366519143	1.939172787	0.927420042	-0.270366852	-0.2312511389	1.25014	1.1126818	0.9693523	0.969113	6.6513688
5835000000	2.303834613	-0.314159265	1.820731298	1.003951583	-0.445772238	-0.813673769	1.2323087	1.122529	0.9499733	0.9105762	6.4780038
5835000000	2.303834613	-0.261799388	1.22567667	0.549467621	-0.897030295	-1.31303884	1.1515527	1.065306	0.9018794	0.8597022	5.9736519
5835000000	2.303834613	-0.20943951	0.461587453	0.122664901	-1.135694401	-1.00031905	1.0545796	1.0142225	0.8774356	0.8912182	5.6602682
5835000000	2.303834613	-0.150797633	-0.290218268	0.216286686	-0.786502015	-0.177973465	0.9671394	1.0252135	0.9134292	0.9797185	5.76834
5835000000	2.303834613	-0.104719755	-0.847584994	-0.566772785	-0.348600967	0.355762926	0.9070281	1.0674281	0.9606605	1.0418091	5.97035
5835000000	2.303834613	-0.052359878	-0.777901381	0.671698529	-0.453624902	0.440517305	0.9143341	1.0804009	0.9491148	1.0520245	6.0116366
5835000000	2.303834613	-4.44E-16	-0.187013055	0.410326658	-1.242996388	0.470273863	0.9786995	1.0483742	0.8666628	1.0556348	5.9099594
5835000000	2.303834613	0.052359878	0.186872535	0.008136734	-2.294864806	0.779099863	1.0217476	1.0009372	0.7678153	1.093843	5.7657518
5835000000	2.303834613	0.104719755	-0.077546122	-0.245213307	-2.735949169	1.128506497	0.9911119	0.9721636	0.7297978	1.138742	5.6474912
5835000000	2.303834613	0.157079633	-0.807416418	-0.306066054	-2.222752805	1.135507491	0.9112325	0.9653762	0.7742164	1.1396602	5.5532962
5835000000	2.303834613	0.20943951	-1.345876709	-0.33821003	-1.391679332	0.846973887	0.8564582	0.9681805	0.8519538	1.1024241	5.5123224
5835000000	2.303834613	0.261799388	-1.272287275	-0.405779226	-0.844766392	0.719903309	0.8637452	0.9534574	0.9073225	1.086165	5.6015193
5835000000	2.303834613	0.314159265	-1.016286717	-0.383580392	-0.80925738	0.934284985	0.8985913	0.9567996	0.9110393	1.1135616	5.7358227
5835000000	2.303834613	0.366519143	-1.020662306	-0.179147069	-1.235255339	1.097889187	0.8891333	0.9759862	0.8674356	1.134735	5.7536169
5835000000	2.303834613	0.41887902	-1.165567256	0.069252396	-1.758769432	0.911012609	0.8744231	1.0080048	0.8166981	1.110582	5.972734
5835000000	2.303834613	0.471238898	-1.062100755	0.128173767	-1.85346298	0.536095432	0.8849016	1.014866	0.8077606	1.0636648	5.5089751
5835000000	2.303834613	0.523598776	-0.659702965	-0.091938099	-1.391679332	0.289539812	0.9268615	0.9894711	0.8397164	1.033963	5.5520588
5835000000	2.303834613	0.575958653	-0.286623223	-0.426908167	-1.281120398	0.143415311	0.9675398	0.9520387	0.8628672	1.0166484	5.5730011
5835000000	2.303834613	0.628318531	-0.130782383	-0.545652097	-1.40751661	-0.193800639	0.9850559	0.939112	0.8504018	0.977935	5.4658249
5835000000	2.303834613	0.680678408	-0.073205544	-0.330314853	-1.561594048	-0.850296561	0.9916073	0.9626851	0.8354497	0.906745	5.355184
5835000000	2.303834613	0.733038286	0.021820786	-0.073160646	-0.971242619	-1.694272195	1.0025154	0.9916124	0.8689462	0.822785	5.3101745
5835000000	2.303834613	0.785398163	0.083501656	-0.116746489	-0.50313972	-2.52231314	1.0096598	0.986649	0.9437197	0.7479703	5.5312515
5835000000	2.303834613	0.837758041	0.085479454	-0.550026561	0.084022185	-3.266196523	1.0098898	0.9386392	1.0097204	0.6865785	5.2129403
5835000000	2.303834613	0.890117919	0.3011266	-1.184510378	0.385291212	-3.830540189	1.0352764	0.8725182	1.0453568	0.6433881	5.0970968
5835000000	2.303834613	0.942477796	0.956409308	-1.706699328	0.60607308	-3.750249674	1.1164016	0.8216087	1.0722688	0.649363	5.2481723
5835000000	2.303834613	0.994837674	1.671640935	-1.973299815	0.942236254	-2.85209168	1.2122217	0.7967377	1.1145815	0.7201043	5.6743743
5835000000	2.303834613	1.047197551	1.830062443	-2.09077748	1.505282177	-2.709270084	1.2345342	0.7860698	1.1621551	0.8078933	6.0002782
5835000000	2.303834613	1.099557429	1.190592706	-2.155987111	1.478195374	-1.302541185	1.1469108	0.7801905	1.1855224	0.8607419	5.9625706
5835000000	2.303834613	1.151917306	0.071912879	-2.115673028	1.375877926	-1.106886995	1.0083136	0.78382	1.1716392	0.8803506	5.6753466
5835000000	2.303834613	1.204277184	-0.71593494	-1.889395298	1.09799595	-0.856111174	0.9208804	0.8405078	1.1347442	0.9061382	5.4976306
5835000000	2.303834613	1.256637061	-0.57709422	-1.518390354	0.830373904	-0.401095031	0.9357187	0.8396156	1.1003192	0.9548722	5.6445675
5835000000	2.303834613	1.308996939	0.022080674	-1.143603786	0.681413973	-0.073226837	1.0025454	0.876637	1.08161	0.9196049	5.9166119
5835000000	2.303834613	1.361356817	0.167201635	-0.892576993	0.599052479	-0.270458078	1.0194363	0.902342	1.0714024	0.9693421	5.9388356
5835000000	2.303834613	1.413716694	-0.55093758	-0.809747115	-0.545483154	-1.137760037	0.9385407	0.910988	1.0538387	0.877722	5.5306019
5835000000	2.303834613	1.466076572	-1.841281112	-0.841266541	0.148423841	-1.137738436	0.8089766	0.9076882	1.0172348	0.748709	4.8174933
5835000000	2.303834613	1.518436449	-2.822402321	-0.88103085	-0.387290391	-0.436759503	0.7225699	0.9035422	0.956391	0.6282927	4.111654
5835000000	2.303834613	1.570796327	-2.654333285	-0.88113058	-1.203079534	-0.556766494	0.7366876	0.9035319	0.8706548	0.5274262	3.6320144
5835000000	2.303834613	1.623156204	-1.798421634	-0.915679737	-2.338332749	-7.481152957	0.8129782	0.8999451	0.7639824	0.4226125	3.225917
5835000000	2.303834613	1.675516082	-1.398656								

5835000000	2.35619449	-1.93731547	-4.669368074	-9.510632003	-1.772196619	-4.035671538	0.5841597	0.3345557	0.8154365	0.6283714	1.4469222
5835000000	2.35619449	-1.884955592	-4.002089951	-8.600255111	-1.093788392	-3.720749862	0.6308055	0.3715243	0.8816792	0.6515721	2.0609055
5835000000	2.35619449	-1.832595715	-4.505409611	-6.591928453	-0.283382104	-3.58442985	0.5952913	0.46817	0.9679009	0.6793254	2.6409894
5835000000	2.35619449	-1.780235837	-4.895684113	-4.63714849	0.542718846	-2.64831565	0.5691357	0.5863306	1.0650278	0.7371981	3.3849596
5835000000	2.35619449	-1.72787596	-4.289472362	-3.277414698	1.132348779	-1.94101499	0.6102761	0.6856923	1.1392458	0.7997408	4.176765
5835000000	2.35619449	-1.675516082	-3.699979071	-2.555207723	1.301380252	-1.689737348	0.6531321	0.745143	1.1616332	0.8232147	4.5657595
5835000000	2.35619449	-1.623156204	-3.821860938	-2.277253229	1.053871496	-1.891551373	0.6440313	0.7693737	1.128999	0.8043081	4.4717672
5835000000	2.35619449	-1.570796327	-3.890707047	-2.123295359	0.525014382	-2.074339606	0.6389467	0.7883125	1.0623087	0.7875589	4.2755245
5835000000	2.35619449	-1.518436449	-2.562162537	-1.831472182	-0.367266414	-2.700768607	0.7445466	0.8039907	0.991555	0.8221699	4.5272598
5835000000	2.35619449	-1.466076572	-0.767410214	-1.432319279	-0.540354896	-0.836963482	0.9154392	0.8479769	0.9396859	0.908138	5.1352527
5835000000	2.35619449	-1.413716694	0.134430964	-1.16131225	-0.790061896	-0.042562392	1.0155973	0.8748516	0.9130549	0.9951118	5.5719071
5835000000	2.35619449	-1.361356817	-0.045832184	-1.145672159	-0.890213022	0.304350678	0.9947373	0.8764283	0.9025876	1.0356608	5.5656334
5835000000	2.35619449	-1.308996939	-0.541282871	-1.252401147	-0.944534378	0.222146264	0.9395845	0.865725	0.8969595	1.0259054	5.4093244
5835000000	2.35619449	-1.256637061	0.070313088	-1.200842519	-0.924510728	-0.011845649	1.0081279	0.8708791	0.8990306	0.9986371	5.5215919
5835000000	2.35619449	-1.204277184	1.578253097	-0.906157626	-0.670182352	-0.13538707	1.1992581	0.9009322	0.9257439	0.9845338	6.0433014
5835000000	2.35619449	-1.151917306	2.639588196	-0.623141847	-0.153419198	-0.162674108	1.3551252	0.9307711	0.982492	0.9814457	5.5468396
5835000000	2.35619449	-1.095557429	2.811697901	-0.65176901	-0.399454999	-0.366204979	1.3822446	0.9277085	1.0470628	0.9587155	6.6804884
5835000000	2.35619449	-1.047197551	2.464303699	-1.067254802	0.776514773	-0.989846632	1.3280523	0.8843766	1.0935175	0.9822934	6.440745
5835000000	2.35619449	-0.994837674	2.424731896	-1.66571231	0.077026962	-1.9850055	1.3220156	0.8254949	1.1190548	0.7957007	6.1547672
5835000000	2.35619449	-0.942477796	2.917391531	-2.131219791	1.101485445	-2.958731816	1.3991671	0.7824183	1.1352049	0.7113174	6.0814216
5835000000	2.35619449	-0.890117919	3.222620219	-2.383573905	1.124891752	-3.499111425	1.449209	0.7600135	1.1382682	0.6684123	6.0550642
5835000000	2.35619449	-0.837758041	2.802376074	-2.540158592	0.892228298	-3.588928086	1.3807619	0.7464351	1.1081828	0.6615362	5.7938211
5835000000	2.35619449	-0.785398163	1.810999967	-2.458172957	0.399640582	-3.395843726	1.2318278	0.7353514	1.0470852	0.6740666	5.3641471
5835000000	2.35619449	-0.733038286	1.325385842	-1.830954677	0.048037472	-2.94370984	1.1648481	0.8099389	1.0055458	0.7125486	5.3267075
5835000000	2.35619449	-0.680678408	2.076888589	-0.912409501	0.286332921	-2.316213855	1.270119	0.9002884	1.0335153	0.7659304	5.9548793
5835000000	2.35619449	-0.628318531	2.94074336	-0.338330975	0.186122326	-1.821902514	1.4029338	0.9617971	1.0985281	0.8107834	6.5961765
5835000000	2.35619449	-0.575958653	3.000350519	-0.415784328	1.008257506	-1.631095088	1.4125945	0.9532597	1.1230856	0.8287914	6.6845104
5835000000	2.35619449	-0.523598776	2.305760507	-0.847562101	0.65903891	-1.487978538	1.3040313	0.9070305	1.0788273	0.8425605	6.3035515
5835000000	2.35619449	-0.471238898	1.630306895	-0.792669768	0.076782105	-0.366273669	1.2064667	0.9217808	1.0088791	0.8846681	6.0522342
5835000000	2.35619449	-0.41887902	1.691397615	0.012691768	-0.250004416	-0.504334669	1.2149821	0.9014623	0.9716275	0.9345899	6.3018951
5835000000	2.35619449	-0.366519143	2.001865494	0.772157676	-0.316195751	-0.377513792	1.2591958	1.0296691	0.9642513	0.9574681	6.5958552
5835000000	2.35619449	-0.314159265	1.855355206	0.905242115	-0.526004854	-0.868672501	1.2381343	1.0984444	0.9412387	0.9048287	6.4320641
5835000000	2.35619449	-0.261779938	1.212864543	0.47309534	-0.95162454	-1.489610187	1.1498554	0.9559777	0.8962285	0.8424022	5.8991598
5835000000	2.35619449	-0.20943951	0.397358059	0.041008579	-1.129463147	-1.785633778	1.0468101	1.0047324	0.8780654	0.8631213	5.5584367
5835000000	2.35619449	-0.157079633	-0.373593538	0.133368211	-0.769309801	-0.375197474	0.9579003	1.0154471	0.915239	0.9577235	5.6803441
5835000000	2.35619449	-0.104719755	-0.896213118	0.506233257	-0.361265666	0.27911866	0.9019643	1.0600142	0.9592609	0.9326566	5.9199049
5835000000	2.35619449	-0.052359878	-0.784082373	0.643268255	-0.4077104584	0.426803165	0.9136837	1.0768703	0.9465526	1.0503648	5.9933915
5835000000	2.35619449	-4.44E-16	-0.18701288	0.103236937	-1.242996524	0.470273981	0.9786995	1.0483743	0.8666628	1.0556348	5.9099596
5835000000	2.35619449	0.052359878	0.19594657	0.023181924	-2.279943104	0.796163286	1.0228156	1.0026725	0.7691356	1.095994	5.7797711
5835000000	2.35619449	0.104719755	-0.01677853	-0.24312662	-2.783805807	1.163962521	0.9980702	0.9723971	0.7257879	1.1433998	5.6652442
5835000000	2.35619449	0.157079633	-0.654481408	-0.349280074	-2.354992113	1.154941096	0.9274189	0.9605854	0.7625185	1.1422129	5.5584517
5835000000	2.35619449	0.20943951	-1.130957798	-0.435182944	-3.57815125	0.825868857	0.8779143	0.9511321	0.83774	1.0997487	5.4982404
5835000000	2.35619449	0.261799388	-1.080842166	-0.52887672	-0.944491079	0.680983909	0.8829943	0.9404929	0.8966949	1.0815565	5.806557
5835000000	2.35619449	0.314159265	-0.857891226	-0.494682895	-0.820217021	0.892843426	0.9059525	0.946439	0.9089905	1.082613	5.7307984
5835000000	2.35619449	0.366519143	-0.846092945	-0.278035676	-1.107791696	0.995145829	0.9071839	0.9684699	0.8802589	1.1213916	5.7500582
5835000000	2.35619449	0.41887902	-0.944490319	-0.055036341	-1.461470412	0.688220503	0.896965	0.9936837	0.8451357	1.0824579	5.6166699
5835000000	2.35619449	0.471238898	-0.806389718	-0.051533628	-1.460287395	0.209224484	0.9113402	0.9904805	0.8452509	1.0243803	5.5178678
5835000000	2.35619449	0.523598776	-0.385010262	-0.327703565	-1.163568168	-0.065997177	0.9566421	0.9629746	0.8746244	0.9249306	5.5445531
5835000000	2.35619449	0.575958653	0.023277861	-0.696884905	-1.032607417	-0.24457649	1.0026836	0.9229024	0.8879114	0.9722348	5.5423977
5835000000	2.35619449	0.628318531	0.259447904	-0.823652611	-0.269871502	-0.725962582	1.0303206	0.9095307	0.8639854	0.9198179	5.3987881
5835000000	2.35619449	0.680678408	0.437718515	-0.603244976	-1.536750122	-1.654776675	1.0516856	0.9329057	0.8378427	0.8265348	5.2228032
5835000000	2.35619449	0.733038286	0.632314977	-0.337599401	-1.299226335	-2.814297933	1.0755132	0.9618781	0.8610668	0.7323444	5.1576557
5835000000	2.35619449	0.785398163	0.714082824	-0.362464951	-0.632708159	-3.802569561	1.0856858	0.9591284	0.9297466	0.6454633	5.1536291
5835000000	2.35619449	0.837758041	0.649285767	-0.743211525	-0.232709563	-4.344640691	1.0776166	0.9179931	0.9972741	0.6064122	5.1037515
5835000000	2.35619449	0.890117919	0.743309417	-1.247557747	-0.355994874	-4.341074704	1.0893451	0.8662078	1.0418369	0.6066613	5.1152189
5835000000	2.35619449	0.942477796	1.271112278	-1.527891111	0.666743805	-3.719336872	1.1575923	0.8636977	1.0797848	0.6516781	5.4083423
5835000000	2.35619449	0.994837674	1.86319422	-1.480685778	1.048975675	-2.752366803	1.2395252	0.8432682	1.1283629	0.7284197	5.8877877
5835000000	2.35619449	1.047197551	1.912084369	-1.296934477	-1.97349386	-3.704739386	1.2462473	0.8612977	1.1758401	0.7967559	6.1929035
5835000000	2.35619449	1.099557429	1.245674071	-1.131549874	1.557958583	-1.595070465	1.154207	0.8778544	1.1964593	0.832236	6.1515395
5835000000	2.35619449	1.15917306	0.291544799	-0.962885946	1.43804475	-1.413020293	1.034135	0.8950673	1.180055	0.8498631	5.9313743
5835000000	2.35619449	1.204277184	-0.156592208	0.716754661	1.131193911	-1.154563301	0.9821332	0.9207935	1.1390943	0.8755316	5.839697
5835000000	2.35619449	1.256637061	0.190448112	-0.406767531	0.77898937	-1.071249486	1.0221683	0.9542488	1.0938291	0.9045603	5.9657199
5835000000	2.35619449	1.308996939	0.659756222	-0.136501986	0.457481629	-0.888454384	1.0789164	0.9844075	1.0540812	0.9027703	6.0643003
5835000000	2.35619449	1.361356817	0.442597338	-0.010420607	-1.483163033	-1.831630303	1.0522765	0.998801	1.0151621	0.8430277	5.8213077
5835000000	2.35619449	1.413716694	-0.723910547	-0.059244398	-0.280052224	-2.697634036	0.9200353	0.9932024	0.968272	0.7330242	5.1404462
5835000000	2.35619449	1.466076572	-2.345957597	-0.216771141	-0.827895739	-4.296931364	0.7633121	0.9753521	0.9090865	0.6097523	4.2370965
5835000000	2.35619449	1.518436449	-3.212982315	-0.370582413	-1.54307565	-5.946004169	0.6907977	0.9582325	0.8372328	0.5043126	3.4944955
5835000000	2.35619449	1.570796327	-2.724463868	-0.476486146	-2.442684663</						

5835000000	2.408554368	-2.042035225	-7.287294427	-5.991492867	-3.352808574	-5.201799254	0.4321508	0.5016783	0.6797662	0.5494271	0.6806203
5835000000	2.408554368	-1.989675347	-5.432334925	-7.289604025	-2.221408032	-4.283571753	0.5350363	0.4320309	0.7743363	0.6106908	1.4085131
5835000000	2.408554368	-1.93731547	-4.232392578	-8.57955279	-1.479716471	-3.916482207	0.6142998	0.3724109	0.8433623	0.6370535	1.8232282
5835000000	2.408554368	-1.884955592	-4.281049218	-4.817088843	-0.901675202	-3.869636662	0.6108682	0.3794421	0.9013973	0.6044986	2.0493881
5835000000	2.408554368	-1.832595715	-5.107477518	-6.443325336	-0.229253556	-3.566289858	0.5554259	0.4762486	0.9739515	0.6632626	2.5060009
5835000000	2.408554368	-1.780235837	-5.121203529	-4.23371139	0.534818457	-2.839433121	0.5545489	0.6142065	1.0635084	0.7211545	3.3858994
5835000000	2.408554368	-1.72787596	-4.136147151	-2.630032818	1.148665589	-2.13493333	0.6211445	0.7387515	1.1413879	0.7750422	4.2871425
5835000000	2.408554368	-1.675516082	-3.491013856	-1.699209727	1.046985404	-2.110767468	0.6690357	0.8223175	1.1758428	0.7842628	4.739454
5835000000	2.408554368	-1.623156204	-3.340225912	-1.259741655	1.271662886	-2.379327257	0.6807517	0.8649936	1.1576656	0.7603852	4.7704465
5835000000	2.408554368	-1.570796327	-2.767943551	-1.04991042	0.847910519	-2.409162444	0.7271145	0.8861444	1.102543	0.7577778	4.7949454
5835000000	2.408554368	-1.518436449	-1.366701396	-0.853001137	0.323766837	-1.177098598	0.8544073	0.9064627	1.0379785	0.8115549	5.1401182
5835000000	2.408554368	-1.466076572	-0.094383935	-0.649871305	-0.108969201	-0.773152328	0.9891925	0.9279112	0.9875328	0.9148342	5.6194638
5835000000	2.408554368	-1.413716694	0.314244661	-0.592192987	-0.351491448	-0.002345223	1.0368412	0.9340935	0.9603409	0.99973	5.8694734
5835000000	2.408554368	-1.361356817	-0.05929431	-0.775648566	-0.437600953	0.245522838	0.9931967	0.9145713	0.9508674	1.0286702	5.7723737
5835000000	2.408554368	-1.308996939	-0.28121275	-1.061180985	-0.437772094	0.054408755	0.9681427	0.8849953	0.9508487	1.0062837	5.5985158
5835000000	2.408554368	-1.256637061	0.652383415	-1.128602549	-0.315378889	-0.246611234	1.078001	0.8781524	0.9643419	0.9720071	5.7839779
5835000000	2.408554368	-1.204277184	2.076740225	-0.852422822	0.044964785	-0.366200196	1.2700974	0.9065231	1.0051902	0.958716	6.3205117
5835000000	2.408554368	-1.151917306	2.958588537	-0.520494864	0.603249769	-0.351636125	1.4058191	0.9418359	1.0719203	0.9603249	6.8086844
5835000000	2.408554368	-1.099557429	3.05416439	-0.485328796	1.118071068	-0.534554861	1.4213735	0.9456568	1.1373747	0.9403126	6.9362836
5835000000	2.408554368	-1.047197551	2.72200751	-0.834826871	1.396818336	-1.164455244	1.368045	0.9038614	1.1744664	0.8745351	6.6999413
5835000000	2.408554368	-0.994837674	2.625509818	-1.360528711	1.442527656	-1.240006969	1.3529305	0.8550147	1.1806642	0.7816272	6.3826138
5835000000	2.408554368	-0.942477796	2.923830536	-1.782916433	1.365580219	-0.314274149	1.4002047	0.8114408	1.170251	0.7067383	6.2174116
5835000000	2.408554368	-0.890117919	3.048798029	-2.106577452	1.201947652	-3.408876835	1.4204956	0.7846413	1.1484111	0.6753924	6.0832169
5835000000	2.408554368	-0.837758041	2.543619784	-2.512214026	0.889302828	-3.405490887	1.3402351	0.7488405	1.1078096	0.6756557	5.7393204
5835000000	2.408554368	-0.785398163	1.572207508	-2.810894978	0.48857553	-3.206509393	1.1984237	0.7325278	1.0578629	0.6913127	5.2753884
5835000000	2.408554368	-0.730382826	1.192409294	-2.439652194	0.334969556	-2.786317082	1.1471507	0.7551225	1.0393213	0.7255781	5.266027
5835000000	2.408554368	-0.680678408	2.029615739	-1.525152991	-0.367178288	-2.186178288	1.2632252	0.8849953	1.0769028	0.7774833	5.9257847
5835000000	2.408554368	-0.628318531	2.934466254	-0.883427556	1.056525797	-1.7428363	1.4019203	0.9032935	1.1293441	0.8181985	5.5628101
5835000000	2.408554368	-0.575958653	3.030933166	-0.940199555	1.094921096	-1.676480098	1.1475777	0.8974082	1.1343473	0.8424722	5.5956935
5835000000	2.408554368	-0.523598776	2.375182111	-1.381102308	0.658191695	-1.717933208	1.3144955	0.8529919	1.0787221	0.8205468	6.1643629
5835000000	2.408554368	-0.471238898	1.720194401	-1.25830163	0.069184276	-1.365209704	1.2190169	0.8651371	1.0079969	0.854554	5.9040932
5835000000	2.408554368	-0.41887902	1.768424755	-0.306371755	-0.254787151	-0.725038963	1.2258046	0.9653425	0.9710926	0.9199157	6.1971907
5835000000	2.408554368	-0.366519143	2.052029761	0.573336847	-0.36293116	-0.440416316	1.2664892	1.0682351	0.9509769	0.9505592	6.5356453
5835000000	2.408554368	-0.314159265	1.874782376	0.780718985	-0.60685115	-0.681341606	1.2409067	1.0940469	0.9325183	0.9055927	6.3885022
5835000000	2.408554368	-0.261799388	1.193409881	0.387104889	-0.999675759	-1.585564161	1.1474288	1.0455751	0.8912842	0.8331473	5.8931134
5835000000	2.408554368	-0.20943951	0.335892082	-0.036629334	-1.110738235	-1.507470457	1.0394285	0.9957918	0.8799603	0.8406718	5.4735703
5835000000	2.408554368	-0.157079633	-0.449806649	0.057527406	-0.742916031	-0.555972984	0.9495322	1.0066451	0.9180243	0.9379968	5.6020999
5835000000	2.408554368	-0.104719755	-0.937997019	0.448737727	-0.37100742	-0.206822202	0.8976358	1.0530206	0.9581856	1.024097	5.8737444
5835000000	2.408554368	-0.052359878	-0.787299147	0.614826458	-0.501255961	0.414105181	0.9133454	1.0733499	0.9439244	1.0488830	5.9758613
5835000000	2.408554368	-4.44E-16	-0.187013068	0.410326652	-1.242934961	0.470274033	0.9786995	1.0483749	0.8666629	1.0556348	5.9099595
5835000000	2.408554368	0.052359878	0.204583538	0.038900939	-2.259847094	0.813913039	1.0238331	1.0004487	0.770917	1.0982359	5.7950664
5835000000	2.408554368	0.104719755	0.044798645	-0.242349961	-8.202140322	0.202500206	1.0051771	0.9742841	0.7227611	1.1484842	5.6861334
5835000000	2.408554368	0.157079633	0.157079633	-0.397262028	-2.48225545	1.178240671	0.9440927	0.9552937	0.7514044	1.1452809	5.6608082
5835000000	2.408554368	0.20943951	-0.909710765	-0.536671849	-1.695992932	0.802440148	0.9005638	0.9400835	0.8226221	1.097863	5.4832853
5835000000	2.408554368	0.261799388	-0.867600928	-0.651024576	-1.073516773	0.625820918	0.9049044	0.927788	0.8837393	1.0747094	5.5548815
5835000000	2.408554368	0.314159265	-0.65929546	-0.604487696	-0.878025623	0.812144312	0.926905	0.9327722	0.9038549	1.0980123	5.714621
5835000000	2.408554368	0.366519143	-0.62320971	-0.391457442	-1.049683787	0.830807475	0.9307639	0.9559233	0.8861675	1.1003741	5.7408832
5835000000	2.408554368	-0.78187902	-0.693386335	-0.218720326	-1.260802436	0.378495892	0.9232742	0.9751333	0.864888	1.0445393	5.529262
5835000000	2.408554368	-0.471238898	-0.568547431	-0.291074855	-1.168168175	-0.221316352	0.9366398	0.9670401	0.8741613	0.9748419	5.4662472
5835000000	2.408554368	0.523598776	-0.182664109	-0.634049129	-0.72771124	-0.50371704	0.9791896	0.9296031	0.9044081	0.9346357	5.457895
5835000000	2.408554368	0.575958653	0.222375271	-1.042744954	-0.783280726	-0.653941408	1.0259324	0.8868577	0.913768	0.9274765	5.4690474
5835000000	2.408554368	0.628318531	0.157946273	-1.184528739	-1.062425512	-1.188245943	1.0614446	0.8725163	0.8848685	0.872143	5.322216
5835000000	2.408554368	0.680678408	0.802383949	-0.964987302	-1.398082366	-2.263128335	1.0967792	0.8948808	0.8520398	0.7706259	5.1398736
5835000000	2.408554368	0.730382826	1.086032686	-0.686897956	-1.252939003	-3.550827946	1.1331871	0.9239641	0.8656714	0.6644443	5.074674
5835000000	2.408554368	0.785398163	1.185786791	-0.677077643	-0.66237706	-4.41443751	1.1462764	0.9250093	0.9265762	0.6015589	5.1040525
5835000000	2.408554368	0.837758041	1.051958004	-0.981714955	-0.054427339	-4.512118833	1.1287504	0.8931291	0.9937534	0.5948316	5.1306618
5835000000	2.408554368	0.890117919	1.013203364	-1.336561537	0.385347721	-4.102527358	1.1237253	0.8573772	1.0453636	0.6235534	5.2253038
5835000000	2.408554368	0.942477796	1.414260611	-1.38655951	0.772431823	-3.523982368	1.1768281	0.8524651	1.0930036	0.5665011	5.5494083
5835000000	2.408554368	0.994837674	1.938349233	-1.093056108	1.213366684	-2.995341099	1.2500214	0.8817535	1.1499219	0.7083256	5.9980668
5835000000	2.408554368	1.047197551	2.016411159	-0.719834242	1.627526064	-2.663746365	1.2613063	0.9204671	1.2068005	0.7358896	6.2852331
5835000000	2.408554368	1.099557429	1.544622964	-0.441538305	1.87173897	-2.508364009	1.1946238	0.9504365	1.240472	0.7491725	6.3082899
5835000000	2.408554368	1.151917306	0.950705044	-0.226474251	1.898120507	-2.376866212	1.1156687	0.9742632	1.2442453	0.7606006	6.224007
5835000000	2.408554368	1.204277184	0.794553	0.015592899	1.759832074	-2.220334115	1.0957908	1.0017968	1.2245925	0.774432	6.227897
5835000000	2.408554368	1.256637061	1.116025335	0.282875461	1.528668898	-2.177796049	1.1371068	1.0331034	1.1924315	0.778234	6.321244
5835000000	2.408554368	1.308996939	1.321656485	0.473558802	1.221651961	-2.42537677	1.1634481	1.0560341	1.1510193	0.7564376	6.2938552
5835000000	2.408554368	1.361356817	0.804152686	0.848197886	0.80037804	-3.023980372	1.0970025	1.0570583	1.0965259	0.705994	5.9258007
5835000000	2.408554368	1.413716694	-0.531442721	0.287887575	-2.32892912	-3.880889307	0.9406496	1.0369997	1.0261117	0.6396693	5.2017387
5835000000	2.408554368										

5835000000	2.460914245	-2.14675498	-8.619978365	-5.425789214	-5.682950602	-6.197493472	0.3706816	0.5354397	0.5198194	0.4899202	-0.373321
5835000000	2.460914245	-2.094395102	-8.72675395	-4.975113165	-4.551035454	-5.348546485	0.3661528	0.5639549	0.5921725	0.5402225	0.2672902
5835000000	2.460914245	-2.042035225	-7.117131883	-5.361660562	-3.135101639	-4.408860228	0.4407004	0.3940755	0.6970195	0.6019452	1.1345632
5835000000	2.460914245	-1.989675347	-5.63332846	-6.452501617	-1.989444677	-3.90919109	0.5227976	0.4757458	0.7952941	0.6375885	1.9666209
5835000000	2.460914245	-1.93731547	-5.232887143	-7.80595756	-1.291589709	-3.991768773	0.5474641	0.407101	0.8618279	0.6135556	1.7554456
5835000000	2.460914245	-1.884955592	-5.985322018	-8.143827455	-0.867287003	-4.257605826	0.5020349	0.3915693	0.9049731	0.6125192	1.6236917
5835000000	2.460914245	-1.832595715	-6.742678299	-6.625939507	-0.40748808	-4.089705772	0.4601147	0.4663404	0.9541696	0.6244745	1.9558987
5835000000	2.460914245	-1.780235837	-5.712968145	-4.565017586	-0.212328504	-3.446854652	0.518026	0.59122	1.0247352	0.6724458	2.9424751
5835000000	2.460914245	-1.72787596	-4.158672079	-2.985439715	0.808430952	-2.917971181	0.6195358	0.7091335	1.097543	0.7146632	3.9204146
5835000000	2.460914245	-1.675516082	-3.275892734	-2.034926425	1.136865127	-2.858984086	0.6858124	0.7911406	1.1398383	0.7195331	4.4447658
5835000000	2.460914245	-1.623156204	-2.688987031	-1.547725698	1.097747029	-3.038971319	0.7373543	0.8367847	1.1347165	0.7047765	6.434569
5835000000	2.460914245	-1.570796327	-1.744168747	-1.267923787	0.748320029	-2.89984005	0.8180721	0.8641792	1.0899737	0.7161566	4.8318796
5835000000	2.460914245	-1.518436449	-0.566738555	-0.99165676	0.250733691	-2.206849181	0.9368349	0.8921074	1.0292875	0.7756353	5.1867761
5835000000	2.460914245	-1.466076572	0.219948426	-0.72079343	-0.198360291	-1.298934509	1.0256458	0.9203655	0.9774217	0.8610994	5.5396447
5835000000	2.460914245	-1.413716694	0.334259103	-0.623256712	-0.461305216	-0.660538864	1.0392331	0.9307588	0.948276	0.9267723	5.6774177
5835000000	2.460914245	-1.361356817	0.10381553	-0.799049967	-0.521240878	-0.540329703	1.0120239	0.9121106	0.941755	0.9396876	5.5878108
5835000000	2.460914245	-1.308996939	0.357141235	-1.099351507	-0.421206943	-0.847285834	1.0419744	0.8811147	0.9526638	0.9070594	5.5356958
5835000000	2.460914245	-1.256637061	1.406784864	-1.174282229	-0.142549795	-1.226491821	1.1758157	0.8735462	0.9837223	0.8683112	5.8037994
5835000000	2.460914245	-1.204277184	2.551941687	-0.877682916	0.360036766	-1.340788954	1.3415198	0.9038906	1.0423218	0.85696	6.3292458
5835000000	2.460914245	-1.151917306	3.147255175	-0.516251573	0.978951467	-1.257066981	1.4411619	0.9422962	1.1193028	0.86526	6.7850941
5835000000	2.460914245	-1.099557429	3.156348781	-0.455744522	1.472348423	-1.3813929	1.4381939	0.9488832	1.1847246	0.8529606	6.8971191
5835000000	2.460914245	-1.047197551	2.783384739	-0.758267771	1.077798861	-1.982231341	1.3777462	0.9164032	1.2103014	0.7959548	6.6552019
5835000000	2.460914245	-0.994837674	2.557993242	-1.172385078	1.613036667	-2.891434874	1.3424548	0.873737	1.2047073	0.7168499	6.3133457
5835000000	2.460914245	-0.942477796	2.640144132	-1.435620065	1.404790649	-3.564694183	1.3552119	0.8476547	1.1755348	0.6633845	6.1108661
5835000000	2.460914245	-0.890117919	2.626781806	-1.658149336	1.146721127	-3.669489294	1.3531287	0.826214	1.1411325	0.6554288	5.9681177
5835000000	2.460914245	-0.837758041	2.138213517	-2.126715594	0.864426577	-3.459030248	1.2791182	0.7828422	1.1046414	0.6715038	5.6616978
5835000000	2.460914245	-0.785398163	1.345296225	-2.71931034	0.65212132	-3.18391764	1.1675213	0.7311971	1.0779685	0.6931471	5.2723285
5835000000	2.460914245	-0.733038286	1.196677345	-2.745216535	0.706143695	-2.750175064	1.1477145	0.7290019	1.0846939	0.7286035	5.3200013
5835000000	2.460914245	-0.680678408	2.103287847	-2.046982498	1.0243558	-2.154116713	1.2739852	0.7900433	1.1251691	0.7803585	5.9542389
5835000000	2.460914245	-0.628318531	2.989198888	-1.474867025	1.273148706	-1.744142709	1.4107821	0.8438333	1.1578367	0.8180745	6.5073441
5835000000	2.460914245	-0.575958653	3.084165658	-1.586702981	0.561840706	-1.766561006	1.4262915	0.8330381	1.1403265	0.8159658	6.4766329
5835000000	2.460914245	-0.523598776	2.452516347	-2.064795011	0.626893237	-1.94228744	1.3262513	0.7884428	1.0748421	0.7996236	5.9969895
5835000000	2.460914245	-0.471238898	1.811913275	-1.841514895	0.056246592	-1.643988006	1.2319375	0.8089548	1.0064966	0.8275621	5.7447689
5835000000	2.460914245	-0.41887902	1.833333341	-0.695804473	-0.251595749	-0.89771019	1.2349992	0.9230172	0.971409	0.9018088	6.0881607
5835000000	2.460914245	-0.366519143	2.078971912	0.328552405	-0.40378143	-0.460035434	1.2704237	1.0385505	0.9545769	0.9484147	6.4690969
5835000000	2.460914245	-0.314159265	1.873457904	0.625825667	-0.68229233	-0.801747392	1.2407175	1.07471	0.9244542	0.9118274	6.3439382
5835000000	2.460914245	-0.261799388	1.16510389	0.287639383	-1.035421489	-1.605428259	1.1435501	1.0336701	0.8876238	0.8312441	5.7197955
5835000000	2.460914245	-0.20943951	0.27749046	-0.11191053	-1.077339183	-1.679116364	1.0324631	0.9871985	0.8835305	0.824222	5.44071332
5835000000	2.460914245	-0.157079633	-0.517294097	-0.011073792	-0.077769275	-0.715090812	0.9421831	0.9987259	0.9217466	0.9209699	5.5735629
5835000000	2.460914245	-0.104719755	-0.971909966	0.394685187	-0.378295635	0.140435938	0.8941379	1.046488	0.9573819	1.0162997	5.8324989
5835000000	2.460914245	-0.052359878	-0.787419104	0.586511181	-0.526116436	0.402592432	0.9133328	1.0698566	0.9412266	1.0474411	5.9592723
5835000000	2.460914245	-4.44E-16	-0.187012775	0.410326542	-1.242996467	0.470273892	0.9786995	1.0483742	0.8666628	1.0563348	5.9099595
5835000000	2.460914245	0.052359878	0.121264422	0.055327159	-2.234433225	0.832186155	1.0247814	1.0063901	0.773176	1.105488	5.81159
5835000000	2.460914245	0.104719755	0.10619027	-0.242383052	-0.187295635	1.243680493	1.0123006	0.9724804	0.7208847	1.1139421	5.7102636
5835000000	2.460914245	0.157079633	-0.34586111	-0.448552582	-2.60005683	1.205051063	0.9609636	0.9496692	0.7413098	1.1488215	5.5768184
5835000000	2.460914245	0.20943951	-0.688272118	-0.640148934	-1.859487103	0.776980449	0.9238179	0.9289905	0.8072827	1.0935761	5.4684229
5835000000	2.460914245	0.261799388	-0.645160215	-0.769296093	-1.224662274	0.556099645	0.9284147	0.9152404	0.8684941	1.0661713	5.5252518
5835000000	2.460914245	0.314159265	-0.440668364	-0.711317805	-0.976373463	0.705716052	0.9505316	0.9213892	0.8936784	1.0846405	5.6891555
5835000000	2.460914245	0.366519143	-0.374351989	-0.518349382	-1.058439868	0.632926088	0.9578167	0.9420686	0.8852746	1.0755889	5.712831
5835000000	2.460914245	0.41887902	-0.421926878	-0.420785051	-1.162320568	0.027154084	0.9525848	0.9527101	0.87475	1.0031311	5.5365311
5835000000	2.460914245	0.471238898	-0.333351341	-0.590743928	-0.999780173	-0.686943937	0.9623486	0.9342493	0.8912735	0.9323592	5.3711633
5835000000	2.460914245	0.523598776	-0.018328335	-1.01326694	-0.69118528	-0.925745784	0.9978921	0.8989077	0.9235082	0.8989028	5.3673317
5835000000	2.460914245	0.575958653	0.353100019	-1.465691798	-0.602872552	-0.969595735	1.0414898	0.8447251	0.9329505	0.8943762	5.7351659
5835000000	2.460914245	0.628318531	0.690914097	-1.620423148	-0.70969598	-1.468723874	1.0827937	0.9282103	0.9045895	0.8443303	5.2528744
5835000000	2.460914245	0.680678408	1.070048844	-1.39188257	-1.206448665	-2.597224088	1.1311037	0.8519338	0.8703172	0.7415472	5.0931412
5835000000	2.460914245	0.73038286	1.43101147	-1.084246193	-1.130613879	-3.94332379	1.1790998	0.8826483	0.877949	0.6350879	5.0443987
5835000000	2.460914245	0.785398163	1.534027051	-1.02396237	-0.599210161	-4.715136568	1.1931673	0.8887956	0.9333392	0.5810897	5.09674
5835000000	2.460914245	0.837758041	1.301781338	-1.255830449	0.020617516	-4.656430689	1.1616868	0.8653832	1.0023765	0.5850304	5.1403094
5835000000	2.460914245	0.890117919	1.075529485	-1.508460069	0.534318744	-4.348693739	1.1318177	0.840576	1.063337	0.6061293	5.2058652
5835000000	2.460914245	0.942477796	1.304373732	-1.428701296	1.004200183	-4.256745139	1.1620336	0.8483302	1.1225612	0.6125799	5.4496074
5835000000	2.460914245	0.994837674	1.789577872	-1.015326479	1.506950262	-4.40432362	1.2287935	0.8896797	1.1894536	0.6022597	5.8233495
5835000000	2.460914245	1.047197551	2.007643504	-0.571393744	1.981749221	-4.543754223	1.2600337	0.936333	1.2562829	0.5926691	6.118455
5835000000	2.460914245	1.099557429	1.846801485	-0.27483672	2.326026637	-4.454057096	1.2369156	0.9688536	1.3070775	0.5988212	6.2597606
5835000000	2.460914245	1.151917306	1.586349052	-0.071622294	2.505608821	-4.328254498	1.2003764	0.9917881	1.3343828	0.6138854	6.3203146
5835000000	2.460914245	1.204277184	1.534418789	0.152771002	2.52485627	-4.148188351	1.1932211	1.017744	1.3409522	0.620284	6.3867052
5835000000	2.460914245	1.256637061	1.675875979	0.400237284	2.479326481	-4.228105364	1.2128129	1.0471572	1.3303513	0.6146031	6.4545639
5835000000	2.460914245	1.308996939	1.600936622	0.549676878	2.283829033	-4.30979318	1.2023941	1.0653292	1.3007429	0.60885	6.3937347
5835000000	2.460914245	1.361356817									

5835000000	2.513274123	-2.251474735	-6.699814774	-10.92895108	-6.224225669	-7.466870786	0.4623909	0.2841531	0.4884147	0.423308	-1.627512
5835000000	2.513274123	-2.199114858	-7.474088656	-9.071520301	-5.623153236	-6.056493233	0.4229564	0.3519038	0.5234104	0.4979381	-0.933464
5835000000	2.513274123	-2.14675498	-8.968102191	-7.096071157	-5.100571489	-5.213885054	0.3561188	0.4417702	0.5558677	0.5486631	-0.434473
5835000000	2.513274123	-2.094395102	-8.824164876	-6.011649712	-4.13185631	-4.572092669	0.3620693	0.5005155	0.6214514	0.5907386	0.3188197
5835000000	2.513274123	-2.042035225	-7.507504242	-5.89275581	-2.848460259	-4.104675582	0.4213323	0.5074137	0.7204054	0.6233992	1.1096716
5835000000	2.513274123	-1.989675347	-7.104042757	-6.584739092	-1.766727949	-4.055731946	0.441365	0.4685577	0.8159501	0.6269218	1.4110803
5835000000	2.513274123	-1.93731547	-7.992573349	-7.69567788	-1.124648122	-4.452481126	0.3984477	0.4123026	0.8785522	0.5989298	1.1694208
5835000000	2.513274123	-1.884955592	-9.433531809	-8.193703974	-0.810809988	-4.883866588	0.3375386	0.3893272	0.9108765	0.5699105	0.8580157
5835000000	2.513274123	-1.832595715	-8.631903778	-7.158478835	-0.532398288	-4.813440565	0.3701731	0.3836075	0.9405461	0.5274502	1.3036623
5835000000	2.513274123	-1.780235837	-6.023888462	-5.45012117	-0.088940885	-4.265259483	0.4998107	0.5339418	0.9898125	0.6119797	2.3968082
5835000000	2.513274123	-1.72787596	-4.10133788	-4.08888566	-0.426390213	-3.729100801	0.6236388	0.6245335	1.0503149	0.650946	3.3741711
5835000000	2.513274123	-1.675516082	-2.937972373	-3.301648611	0.771341188	-3.470287175	0.7130195	0.6837819	1.0928664	0.6706341	3.9379712
5835000000	2.513274123	-1.623156204	-1.970563098	-2.91652035	0.791984545	-3.340599754	0.7970248	0.7147826	1.0954668	0.6807224	4.3180273
5835000000	2.513274123	-1.570796327	-0.981089478	-2.603890755	0.492294067	-3.059424245	0.8931934	0.7409783	1.0583144	0.7031189	4.5977344
5835000000	2.513274123	-1.518436449	-0.170183747	-2.115787824	0.002323557	-2.531254244	0.9805976	0.7838097	1.0002571	0.7472007	4.8901564
5835000000	2.513274123	-1.466076572	0.265576634	-1.542669274	-0.483979262	-1.900777814	1.0310479	0.8372719	0.9458038	0.8034542	5.1477756
5835000000	2.513274123	-1.413716694	0.420651282	-1.178188611	-0.387591595	-1.461121268	1.0496211	0.8731534	0.9129294	0.8451697	5.2984185
5835000000	2.513274123	-1.361356817	0.670940353	-1.171884872	-0.841916032	-1.443533257	1.0803066	0.8737874	0.9076203	0.8468828	5.3659331
5835000000	2.513274123	-1.308996939	1.316500147	-1.367675725	-0.987272975	-1.819886414	1.1636571	0.8543114	0.9281942	0.8109717	5.4765346
5835000000	2.513274123	-1.256637061	2.210360543	-1.390811759	-0.220620527	-2.271115553	1.2897871	0.8520389	0.97492	0.7699176	5.770939
5835000000	2.513274123	-1.204277184	2.966107697	-1.077464396	0.405205307	-2.419467507	1.4070366	0.8833377	1.0477563	0.7685793	6.2244991
5835000000	2.513274123	-1.151917306	3.31791295	-0.734432929	0.170658052	-2.308796123	1.464332	0.9102184	1.1311821	0.7665848	6.6103548
5835000000	2.513274123	-1.099557429	3.190575103	-0.722654359	1.545164259	-2.399399369	1.4438722	0.9201683	1.1946982	0.75863	6.683783
5835000000	2.513274123	-1.047197551	2.769412903	-1.066445273	1.696571677	-2.999343483	1.3755318	0.8844591	1.2157061	0.7079993	6.410603
5835000000	2.513274123	-0.994837674	2.403504618	-1.435192353	1.561276678	-3.898435953	1.3187887	0.8476965	1.1969166	0.6383784	6.0244648
5835000000	2.513274123	-0.942477796	2.298374631	-1.532491517	1.292290585	-4.418847456	1.3092929	0.8382536	1.1604182	0.6012535	5.8070334
5835000000	2.513274123	-0.890117919	2.228013309	-1.563916077	1.044703845	-4.24015077	1.2924111	0.8352264	1.1278081	0.6137514	5.7318166
5835000000	2.513274123	-0.837758041	1.876076229	-1.924892653	0.90683071	-3.815195492	1.2410915	0.8012266	1.1100503	0.6445257	5.5766968
5835000000	2.513274123	-0.785398163	1.369759062	-2.571254652	0.934840329	-3.436037324	1.1708141	0.8731767	1.1136328	0.6372838	5.3469512
5835000000	2.513274123	-0.733038286	1.442509536	-2.837248739	1.141546974	-2.929971585	1.1806617	0.7213359	1.1404529	0.7136765	5.4720566
5835000000	2.513274123	-0.680678408	2.31877654	-2.393573749	1.392357443	-2.269395257	1.3059869	0.7591399	1.1738642	0.7700701	6.0402517
5835000000	2.513274123	-0.628318531	3.103461883	-1.987428882	1.44371516	-1.837355172	1.4294636	0.7954487	1.1808256	0.8093423	6.4755787
5835000000	2.513274123	-0.575958653	3.145528436	-2.230730677	1.144118482	-1.899751358	1.4364034	0.7735056	1.1407906	0.8035491	6.3492499
5835000000	2.513274123	-0.523598776	2.509589145	-2.793699899	0.586360728	-2.160359156	1.3349944	0.7249616	1.0695018	0.7797979	5.8212818
5835000000	2.513274123	-0.471238898	1.873243431	-2.475641622	0.061592491	-1.881877923	1.2406868	0.7520001	1.0071163	0.8052043	5.5865107
5835000000	2.513274123	-0.41887902	1.864973992	-1.127234549	-0.226808354	-1.02597835	1.2395062	0.8782907	0.9742401	0.8858893	5.9784281
5835000000	2.513274123	-0.366519143	2.072644195	0.045901483	-0.430409409	-0.44867668	1.2694986	1.0052896	0.951655	0.9496557	6.3948341
5835000000	2.513274123	-0.314159265	1.846974672	0.44105445	-0.74483001	-0.708976514	1.2369403	1.0520896	0.9178221	0.9216185	6.2951836
5835000000	2.513274123	-0.261799388	1.126496649	0.17300092	-1.052622051	-1.56371788	1.1384785	1.0201171	0.8858678	0.8352454	5.7553827
5835000000	2.513274123	-0.20943951	0.222674012	-0.186050338	-1.791162548	-1.791162548	1.0259677	0.9788079	0.8884271	0.813658	5.3595253
5835000000	2.513274123	-0.157079633	-0.574591217	-0.072409425	-0.664653649	-0.848469968	0.9359883	0.9916982	0.9263334	0.9093957	5.4583643
5835000000	2.513274123	-0.104719755	-0.997074315	0.344384579	-0.383770467	-0.081349258	0.9815512	1.0404452	0.9567859	1.0094097	5.7966646
5835000000	2.513274123	-0.052359878	-0.784348644	0.558444173	-0.5517379	0.392422668	0.9136557	1.0664051	0.9384542	1.0462155	5.9436735
5835000000	2.513274123	-4.44E-16	-0.187012914	0.031236831	-1.242499607	0.470273644	0.9786995	1.0483742	0.8666628	1.0563948	5.9099594
5835000000	2.513274123	0.052359878	0.219909814	0.072500556	-2.203614461	0.850805275	1.0256413	1.0083819	0.7759242	1.1029105	5.8292814
5835000000	2.513274123	0.104719755	0.166422911	-0.24635487	-2.849579945	-1.287024627	1.0193449	0.9724521	0.7203126	1.1597149	5.7377133
5835000000	2.513274123	0.157079633	-0.195524891	-0.501452053	-2.701430084	1.235125502	0.9777408	0.9439031	0.7327039	1.1528061	5.5914088
5835000000	2.513274123	0.20943951	-0.472283475	-0.742658121	-2.01920699	0.750736235	0.9470782	0.9180516	0.7925737	1.0902769	5.4553462
5835000000	2.513274123	0.261799388	-0.425569574	-0.880012404	-1.386104998	0.478542597	0.9521854	0.9036482	0.8525007	1.0566402	5.4946409
5835000000	2.513274123	0.314159265	-0.222242409	-0.81105609	-1.100574461	0.593072318	0.974738	0.9108807	0.8809906	1.070665	5.6597891
5835000000	2.513274123	0.366519143	-0.123026028	-0.654168421	-1.117041235	0.439585944	0.9859359	0.9274253	0.879322	1.0519117	5.7647729
5835000000	2.513274123	0.41887902	-0.142824243	-0.655494279	-1.14849346	-0.305214027	0.9836912	0.9273107	0.8761437	0.9654711	5.4660843
5835000000	2.513274123	0.471238898	-0.087584957	-0.945773536	-0.943567197	-1.107501565	0.9896971	0.9868325	0.8970603	0.8802883	5.2886066
5835000000	2.513274123	0.523598776	0.147438322	-1.462288929	-0.622440562	-1.25797407	1.0171193	0.8450561	0.9308463	0.8651697	5.2447287
5835000000	2.513274123	0.575958653	0.468702681	-1.960015714	-0.513802665	-1.166993306	1.0554439	0.7979392	0.9425619	0.8742796	5.2733806
5835000000	2.513274123	0.628318531	0.835236337	-2.113576512	-0.740527304	-1.629961125	1.1009354	0.7840092	0.9182768	0.8828996	5.1826064
5835000000	2.513274123	0.680678408	1.298127573	-1.848525976	-1.053895368	-2.854479156	1.1611983	0.8038021	0.8857379	0.7199064	5.0542724
5835000000	2.513274123	0.730382826	1.724707716	-1.483189506	-1.022121201	-4.394886111	1.2196505	0.8430251	0.889077	0.6029145	4.9953788
5835000000	2.513274123	0.785398163	1.816680288	-1.361304708	-0.542851354	-5.315848205	1.2326336	0.8549383	0.9394149	0.54226	5.0309317
5835000000	2.513274123	0.837758041	1.458348672	-1.548293823	0.091875555	-5.37954563	1.1828167	0.8367299	1.0106337	0.5382979	5.0290612
5835000000	2.513274123	0.890117919	0.976482343	-1.785761389	0.678568259	-5.421268409	1.1189846	0.8141641	1.0812557	0.5357184	4.9842676
5835000000	2.513274123	0.942477796	0.939630184	-1.704863187	-1.21923682	-5.97828866	1.1142471	0.8217824	1.1510553	0.5024416	4.801043
5835000000	2.513274123	0.994837674	1.357709417	-1.288332138	1.752178766	-6.743985681	1.169191	0.8621511	1.223514	0.4600454	5.3783462
5835000000	2.513274123	1.047197551	1.750554697	-0.85699356	-2.19293069	-6.78705684	1.2232852	0.9060462	1.2911142	0.4577698	5.7520386
5835000000	2.513274123	1.099557429	1.878558612	-0.600432978	2.555125531	-6.042511285	1.2414463	0.9332078	1.3420116	0.4987403	6.0539892
5835000000	2.513274123	1.151917306	1.799965784	-0.444785324	2.745114343	-5.438548021	1.2302639	0.9500812	1.3716892	0.5346537	6.2068299
5835000000	2.513274123	1.204277184	1.675808834	-0.245510042	2.814271152	-5.323399097	1.2128035	0.9721303	1.3826541	0.5417888	6.2549194
5835000000	2.51327412										

5835000000	2.565634	-2.35619449	-5.903006553	-7.395376286	-8.861475172	-10.46244747	0.5068152	0.4268067	0.3605174	0.2998318	-1.970991
5835000000	2.565634	-2.303834613	-5.437416217	-8.511599915	-7.307204974	-8.248368411	0.5347234	0.3753358	0.4311613	0.3868847	-1.269196
5835000000	2.565634	-2.251474735	-5.775488225	-10.35579641	-6.009280178	-5.998134303	0.5143107	0.303536	0.500652	0.5012949	-0.820157
5835000000	2.565634	-2.199114858	-7.105431051	-11.02460643	-5.259492673	-4.747821609	0.4412944	0.281041	0.5457897	0.5789072	-0.69111
5835000000	2.565634	-2.14675498	-8.316085231	-9.396293936	-4.675680368	-4.294390449	0.3838802	0.3389888	0.5837353	0.6099307	-0.370265
5835000000	2.565634	-2.094395102	-7.998814947	-7.630025275	-7.378955585	-4.236998869	0.3986165	0.4154308	0.6471534	0.6139741	0.3185892
5835000000	2.565634	-2.042035225	-7.824819177	-6.719145579	-6.297522992	-4.782300038	0.4062179	0.461363	0.7387753	0.611429	0.8977892
5835000000	2.565634	-1.989675347	-9.196447245	-6.633905067	-1.644306292	-4.371953159	0.3468787	0.4659405	0.8275318	0.6045084	1.003183
5835000000	2.565634	-1.93731547	-11.6679756	-7.026171707	-1.044147796	-4.584649314	0.2609764	0.4453397	0.8867325	0.5898852	0.7602114
5835000000	2.565634	-1.884955592	-11.33869854	-7.210567772	-0.751116321	-4.75498879	0.2710598	0.4359851	0.9171581	0.5784297	0.8382412
5835000000	2.565634	-1.832595715	-8.077241706	-6.583320701	-0.528039277	-4.609264267	0.3945826	0.4686342	0.9410182	0.5882159	1.5562609
5835000000	2.565634	-1.780235837	-5.533489302	-5.488365681	-0.186604296	-4.08160595	0.5288415	0.531596	0.9787455	0.6250571	2.4908675
5835000000	2.565634	-1.72787596	-3.87312683	-4.616547044	0.243246966	-3.393297134	0.6402413	0.5877229	1.0284007	0.6766049	3.3255518
5835000000	2.565634	-1.675516082	-2.560950355	-4.226086658	0.569765562	-2.818406951	0.7446505	0.6147459	1.067796	0.7229024	3.9458725
5835000000	2.565634	-1.623156204	-1.438221883	-4.146271275	0.630827881	-2.477799309	0.8474009	0.6204209	1.0753291	0.7518134	4.3364142
5835000000	2.565634	-1.570796327	-0.643610687	-3.911940672	0.397977939	-2.314996086	0.9285803	0.6373867	1.0468848	0.7660378	4.554888
5835000000	2.565634	-1.518436449	-0.189325494	-3.188089349	-0.02995383	-2.166744112	0.9784389	0.6927803	0.9965574	0.7772249	4.7282294
5835000000	2.565634	-1.466076572	0.185627405	-2.245218315	-0.481592539	-1.913256775	1.0216011	0.7722165	0.9460637	0.8023007	4.9648176
5835000000	2.565634	-1.413716694	0.781480838	-1.57215121	-0.782303904	-1.660287238	1.0941429	0.8344349	0.9138708	0.8620106	5.2697399
5835000000	2.565634	-1.361356817	1.56341786	-1.362912533	-0.825017783	-1.656516323	1.1972115	0.85478	0.9093878	0.8263693	5.5470232
5835000000	2.565634	-1.308996939	2.294246119	-1.446991055	-0.594759888	-1.999854029	1.3023038	0.8465458	0.938175	0.7943416	5.7493355
5835000000	2.565634	-1.256637061	2.857564845	-1.438725413	-0.121038087	-2.474759039	1.389563	0.8473517	0.9861615	0.7520766	5.9664767
5835000000	2.565634	-1.204277184	3.237506665	-1.164256132	0.521303152	-2.76012161	1.4516948	0.8745551	1.0618549	0.7323175	6.2782347
5835000000	2.565634	-1.151917306	3.390076677	-0.917565471	1.157429265	-2.664109752	1.4774195	0.8997497	1.1425401	0.7358588	6.5855512
5835000000	2.565634	-1.099557429	3.242367339	-0.199552097	1.576149695	-2.39825338	1.4525074	0.8851613	1.1989677	0.7257779	6.7525133
5835000000	2.565634	-1.047197551	2.818880607	-1.604372826	1.667149895	-3.42853063	1.3833881	0.8313451	1.2115951	0.6738659	6.2354885
5835000000	2.565634	-0.994837674	2.360983031	-2.126717189	1.484879137	-4.443989293	1.3123484	0.782824	1.186435	0.5995157	5.7585485
5835000000	2.565634	-0.942477796	2.157218801	-2.193771084	1.271538894	-5.057385417	1.28192	0.767804	1.1504737	0.5586383	5.5012401
5835000000	2.565634	-0.890117919	2.134594071	-2.059770716	1.072529807	-4.82807091	1.2785853	0.7888809	1.1313743	0.5753832	5.5118094
5835000000	2.565634	-0.837758041	1.982865173	-2.251586128	1.138941506	-3.393766021	1.2564441	0.7716506	1.1401108	0.6071573	5.5185745
5835000000	2.565634	-0.785398163	1.724149068	-2.780993024	1.36306129	-3.93116297	1.219572	0.726029	1.1699116	0.6373004	5.4665247
5835000000	2.565634	-0.733038286	1.878940435	-3.026500875	1.608305019	-3.313014532	1.2415009	0.7057891	1.2034145	0.6828877	5.6515183
5835000000	2.565634	-0.680678408	2.609387551	-2.669310043	1.714214557	-2.518951489	1.3504216	0.7354184	1.2181779	0.7482598	6.1333842
5835000000	2.565634	-0.628318531	3.227278408	-2.389944692	1.554100956	-2.000331211	1.4499864	0.7594563	1.195928	0.7942979	6.4437005
5835000000	2.565634	-0.575958653	3.173493089	-2.766689263	1.116052184	-2.057506272	1.4410354	0.7272195	1.1371103	0.7890866	6.2233156
5835000000	2.565634	-0.523598776	2.507189398	-3.428808265	0.557312057	-2.369698837	1.3346257	0.6738443	1.0662661	0.7612285	5.656892
5835000000	2.565634	-0.471238898	1.872150834	-3.054037195	0.111107574	-2.090045156	1.2405308	0.7035551	1.0128739	0.7861361	5.4440192
5835000000	2.565634	-0.41887902	1.845902074	-1.550935116	-0.165866011	-1.12835569	1.2367875	0.8364755	0.9810851	0.8811773	5.8728311
5835000000	2.565634	-0.366519143	2.026457435	-0.255992352	-0.435094529	-0.428037863	1.26276	0.9705979	0.9511418	0.9591949	6.3126497
5835000000	2.565634	-0.314519265	1.793407177	0.232259861	-0.786615589	-0.60672821	1.2293353	1.0271006	0.9134173	0.9325317	6.2401182
5835000000	2.565634	-0.261799388	1.077487714	0.044010238	-1.045465657	-1.481220188	1.1302729	1.0050797	0.8865979	0.88432163	5.726809
5835000000	2.565634	-0.20943951	0.172337514	-0.259556976	-0.590597486	-1.847047925	1.0200392	0.9705595	0.8953032	0.8042396	5.5301409
5835000000	2.565634	-0.150709633	-0.620362136	-0.126519934	-0.61474378	-0.953456221	0.9310691	0.9855394	0.9316715	0.8960396	5.4468582
5835000000	2.565634	-0.104719755	-1.012791641	0.298059218	-0.563791079	-0.030726101	0.8899394	1.0349109	0.9563227	1.0035437	5.7665871
5835000000	2.565634	-0.052359878	-0.778033323	0.530733904	-0.578181892	0.383738518	0.9143202	1.0630084	0.9356015	1.04517	5.9291356
5835000000	2.565634	-4.44E-16	-0.187012776	0.410326762	-0.470273845	0.470273845	0.9786995	1.0483742	0.8666628	1.0556348	5.9099595
5835000000	2.565634	0.052359878	0.226282843	0.09047038	-2.167375563	0.86957961	1.0263941	1.0104702	0.7791682	1.105297	5.8480668
5835000000	2.565634	0.104719755	0.224568267	-0.242444644	-2.839145435	1.332020309	1.0261915	0.9274735	0.7211784	1.1657382	5.7685207
5835000000	2.565634	0.157079633	-0.051001291	-0.554063526	-2.780567311	1.268302785	0.9941455	0.938203	0.7260585	1.1572179	5.6107136
5835000000	2.565634	0.20943951	-0.266435143	-0.840919915	-2.164218441	0.72560864	0.9697912	0.9077244	0.7794515	1.0871274	5.446336
5835000000	2.565634	0.261799388	-0.218778935	-0.979033077	-1.541940575	0.401512918	0.9751267	0.8934049	0.8373422	1.047311	5.467399
5835000000	2.565634	0.314519265	-0.021356385	-0.899508635	-1.228230587	0.496062047	0.9975443	0.9106221	0.8681374	1.0587736	5.6344752
5835000000	2.565634	0.366519143	0.108970737	-0.791792299	-1.194979722	0.291589615	1.0126247	0.912873	0.8714671	1.0341403	5.5648817
5835000000	2.565634	0.41887902	0.127429893	-0.913015596	-1.180654544	-0.557065532	1.0147791	0.9002211	0.8729056	0.9378788	5.4037549
5835000000	2.565634	0.471238898	0.17092951	-1.345735108	-0.957808448	-1.420584053	1.0198739	0.8564721	0.8955907	0.8491234	5.1561148
5835000000	2.565634	0.523598776	0.340648101	-1.970078204	-0.629004039	-1.488748841	1.0399978	0.7970693	0.9301432	0.8424857	5.1288126
5835000000	2.565634	0.575958653	0.607403264	-2.508596238	-0.485457828	-1.316384202	1.072433	0.7491524	0.9456428	0.8593712	5.1693917
5835000000	2.565634	0.628318531	0.985161228	-2.632640275	-0.647617556	-1.82957898	1.1201033	0.7385297	0.928152	0.8100672	5.097852
5835000000	2.565634	0.680678408	1.511197476	-2.289139888	-0.920170995	-3.284645855	1.1900354	0.7683215	0.8994799	0.6851217	4.9667213
5835000000	2.565634	0.733038286	1.989703315	-1.834934942	-0.92954398	-5.218122714	1.2574339	0.8095679	0.8985098	0.5483955	4.8952053
5835000000	2.565634	0.785398163	2.074777404	-1.649640352	-2.542887628	-6.403616639	1.2698104	0.8270238	0.9413597	0.4784308	4.9019205
5835000000	2.565634	0.837758041	1.616194057	-1.831966555	0.09095916	-6.501474802	1.204508	0.8098418	1.0114742	0.4730709	4.858018
5835000000	2.565634	0.890117919	0.891667372	-2.143861429	0.74141494	-6.704112986	1.1081113	0.7812804	1.0891075	0.4621621	4.7122385
5835000000	2.565634	0.942477796	0.527858174	-2.17448872	-0.56356355	-7.470260867	1.0626565	0.7785304	1.1675572	0.4231428	4.6900955
5835000000	2.565634	0.994837674	0.791910647	-1.837203274	1.889458532	-7.728141349	1.0954575	0.8093565	1.2430051	0.4107645	5.0049436
5835000000	2.565634	1.047197551	1.275177466	-1.459058491	-2.315897612	-6.527277998	1.1581342	0.8453705	1.3055541	0.4716677	5.5309051
5835000000	2.565634	1.099557429	1.531265117	-1.259604301	-0.75266263	-5.160297014	1.192788	0.8650073	1.3451828	0.5520586	5.9224104
5835000000	2.565634	1.151917306	1.413030694	-1.153280452	2.672260713	-6.404834135	1.1766615	0.8756609	1.3602322	0.588516	6.0229244
5835000000	2.565634	1.204277184	1.037045178	-0							

5835000000	2.617993878	-2.460914245	-7.697756929	-7.195851699	-9.897021439	-9.603729988	0.412204	0.4367244	0.3199992	0.330989	-2.499258
5835000000	2.617993878	-2.408554368	-6.45858864	-6.108379641	-10.25907194	-10.01211015	0.4754125	0.4949724	0.306935	0.3157872	-1.975701
5835000000	2.617993878	-2.35619449	-5.442669474	-5.819184194	-9.249397286	-8.764633446	0.5344001	0.5117299	0.3447705	0.3645594	-1.132781
5835000000	2.617993878	-2.303834613	-5.171662772	-6.3701834	-7.381135132	-6.333491128	0.5513366	0.4802759	0.4275072	0.4823091	-0.25817
5835000000	2.617993878	-2.251474735	-5.878064557	-7.830679566	-5.921241795	-4.93724264	0.5082727	0.4059439	0.5057524	0.5960927	0.0694761
5835000000	2.617993878	-2.199114858	-7.163893481	-9.705288226	-5.088527621	-3.69462432	0.4383342	0.3271415	0.5569387	0.653352	-0.105097
5835000000	2.617993878	-2.14675498	-7.640696944	-10.22077092	-4.446107872	-3.788083911	0.4149207	0.3202914	0.5993695	0.6465406	-0.135146
5835000000	2.617993878	-2.094395102	-7.414361504	-8.831869814	-5.571247341	-4.309928968	0.4258748	0.3617483	0.6628841	0.6088405	0.5239399
5835000000	2.617993878	-2.042035225	-8.215197283	-7.328316256	-3.254496735	-4.5158418	0.388365	0.3011446	0.7477823	0.5945767	0.6718469
5835000000	2.617993878	-1.989675347	-10.19742936	-6.505714288	-1.651643099	-4.14365719	0.309121	0.4728401	0.8268331	0.6206077	0.9341673
5835000000	2.617993878	-1.93731547	-10.25592773	-6.276048846	-1.114271594	-3.697083757	0.3070461	0.4855093	0.8796024	0.6533499	1.3097558
5835000000	2.617993878	-1.884955592	-7.796343118	-6.177345232	-0.832059685	-3.473293853	0.4075518	0.4910579	0.9086508	0.670402	1.8602433
5835000000	2.617993878	-1.832595715	-5.860567847	-5.729234914	-0.616690686	-3.262960205	0.5092976	0.5170568	0.9314627	0.6868343	2.4267687
5835000000	2.617993878	-1.780235837	-4.674438303	-5.002518138	-0.320355577	-2.752935995	0.5838188	0.5621783	0.9637896	0.7283719	3.0401334
5835000000	2.617993878	-1.72787596	-3.521501538	-4.456132564	0.054893582	-2.000869274	0.6666915	0.5986781	1.0063399	0.7942487	3.7107247
5835000000	2.617993878	-1.675516082	-2.204417467	-4.339900008	0.370476284	-1.384887866	0.7758524	0.6067433	1.0435754	0.8526202	4.2936755
5835000000	2.617993878	-1.623156204	-1.188744683	-4.492153049	0.483875982	-1.17063153	0.8720929	0.5962005	1.0572892	0.8739135	4.607691
5835000000	2.617993878	-1.570796327	-0.733439607	-4.365179931	0.35778354	-1.316169431	0.9190265	0.60498	1.0420515	0.8593924	4.6737357
5835000000	2.617993878	-1.518436449	-0.498808771	-3.558645655	0.069761444	-1.53634085	0.9441904	0.6638466	1.0080639	0.8378822	4.7458041
5835000000	2.617993878	-1.466076572	0.202594374	-2.452060383	-0.238686	-1.537634708	1.0235987	0.7540045	0.9728944	0.8377574	5.0771628
5835000000	2.617993878	-1.413716694	1.390377801	-1.635864286	-0.042502233	-1.3423897	1.1735967	0.8283365	0.9523024	0.6858021	5.600265
5835000000	2.617993878	-1.361356817	2.413074477	-1.31513581	-0.400417558	-1.271187321	1.3202425	0.8594947	0.9549467	0.8638546	6.0174257
5835000000	2.617993878	-1.30899639	2.948257885	-1.30988632	-0.153386622	-1.538187822	1.404148	0.8600161	0.9824957	0.837704	6.2018886
5835000000	2.617993878	-1.256637061	3.138692639	-1.247947948	0.290761575	-1.993801742	1.4352734	0.8661689	1.0340418	0.7948953	6.2991989
5835000000	2.617993878	-1.832595715	3.262688369	-0.984633489	0.862199082	-1.5158219	1.4559096	0.9828291	1.1043587	0.7704643	6.4929758
5835000000	2.617993878	-1.19517306	3.388987642	-0.82171508	1.405417294	-2.261072375	1.4772343	0.9097336	1.1756306	0.7708083	6.7159892
5835000000	2.617993878	-1.099557429	3.334640724	-1.130763201	1.736165455	-2.367712616	1.4680202	0.8779339	1.2212604	0.7614026	6.7063837
5835000000	2.617993878	-1.047197551	2.972157004	-1.967485767	1.764437131	-2.997272554	1.4080169	0.7973072	1.225419	0.7081681	6.3167507
5835000000	2.617993878	-0.994837674	2.502465057	-2.885450065	1.566274003	-4.10226814	1.3338999	0.717344	1.1976053	0.6212284	5.7361626
5835000000	2.617993878	-0.942477796	2.31492915	-3.221029824	1.362495353	-5.016132688	1.3054086	0.690158	1.1698354	0.5612978	5.4058883
5835000000	2.617993878	-0.890117919	2.407182385	-3.104522426	1.368648858	-5.064158261	1.3193473	0.6994777	1.1706645	0.5582029	5.4546787
5835000000	2.617993878	-0.837758041	2.410762954	-3.195712721	1.62082012	-4.762185585	1.3198912	0.6921725	1.2026548	0.5779506	5.5582995
5835000000	2.617993878	-0.785398163	2.256710166	-3.560435341	1.894320872	-4.459325033	1.296688	0.6637098	1.2437012	0.5944581	5.580915
5835000000	2.617993878	-0.733082826	2.349201227	-3.581604889	2.050374126	-3.810874826	1.3105695	0.6620942	1.2662478	0.6484864	5.764443
5835000000	2.617993878	-0.680678408	2.8680401	-3.070433177	1.955657238	-2.842185875	1.3912398	0.7022283	1.2525148	0.720926	6.1646891
5835000000	2.617993878	-0.628318531	2.289523107	-2.760580752	1.59693343	-2.18595487	1.4604146	0.7277311	1.20184	0.7775033	6.3768895
5835000000	2.617993878	-0.575958653	3.117234506	-3.161699821	1.076727616	-2.20902992	1.431732	0.6948883	1.1319738	0.7744505	6.0941262
5835000000	2.617993878	-0.523598776	2.409025379	-3.846109885	0.579692716	-2.562978474	1.3196272	0.6422358	1.0690171	0.7554765	5.51856
5835000000	2.617993878	-0.471238898	1.787502929	-3.453210958	0.232196686	-2.283373549	1.2285	0.6719539	1.0260295	0.7688318	5.3324295
5835000000	2.617993878	-0.41887902	1.768535728	-1.902510429	-0.063765039	-1.229457201	1.2258202	0.8032939	0.9926857	0.8680148	5.7779782
5835000000	2.617993878	-0.366519143	1.940045938	-0.549552222	-0.413306316	-0.422550715	1.2502656	0.9386904	0.9535307	0.9252164	6.224485
5835000000	2.617993878	-0.314519265	1.714492489	0.010278947	-0.800945887	-0.581863614	1.2182169	1.0011841	0.9119115	0.9420671	6.1784978
5835000000	2.617993878	-0.261793988	1.019775819	-0.095992225	-1.009651511	-1.380304573	1.1245759	0.9890093	0.8902612	0.8530702	5.7042051
5835000000	2.617993878	-0.20943951	0.12784579	-0.33209284	-0.876854341	-1.854905894	1.0148276	0.9624881	0.9039768	0.8077086	5.3175758
5835000000	2.617993878	-0.15079633	-0.653444292	-0.173452573	-0.559627812	-1.028960494	0.9275296	0.9802286	0.9376022	0.8882843	5.4220598
5835000000	2.617993878	-0.104719755	-1.018575225	0.255847849	-0.391678559	-0.010532701	0.889347	0.9289327	0.9559079	0.9987881	5.7424505
5835000000	2.617993878	-0.052359878	-0.768462941	0.503471039	-0.605519035	0.376660698	0.9153282	1.0596771	0.9326615	1.043187	5.9157069
5835000000	2.617993878	-4.44E-16	-0.187013005	0.410326638	-1.24299663	0.470273946	0.9786995	0.8483742	0.8666628	1.0556348	5.9099594
5835000000	2.617993878	0.052359878	0.23159223	0.109288869	-1.252772433	0.888310247	1.0270217	1.0126618	0.7829092	1.1076831	5.8876065
5835000000	2.617993878	0.104719755	0.279761443	-0.241094893	-2.810179186	1.378134955	1.327373	0.9726246	0.7235875	1.1719437	5.8026716
5835000000	2.617993878	0.150779633	0.085750785	-0.604347604	-2.831538955	1.304467374	1.0099213	0.9327873	0.7218103	1.1620461	6.535582
5835000000	2.617993878	0.20943951	-0.074209696	-0.931477442	-2.282806768	0.703750001	0.9914927	0.9830908	0.7688819	1.1084395	5.4439809
5835000000	2.617993878	0.261799388	-0.031721579	-1.062150044	-1.673941998	0.333244925	0.9963546	0.8848695	0.8247131	1.0391177	5.4486127
5835000000	2.617993878	0.314519265	0.149353771	-0.971398292	-1.332229443	0.434019599	1.0173437	0.8941906	0.8578049	1.0512378	5.6219792
5835000000	2.617993878	0.366519143	0.303704586	-0.922666667	-1.253038258	0.222209423	1.0355838	0.8992215	0.8656615	1.0259129	5.635161
5835000000	2.617993878	0.41887902	0.369796499	-1.180158012	-1.205803075	-0.684243206	1.0434937	0.8729555	0.8703819	0.9242466	5.3694008
5835000000	2.617993878	0.471238898	0.429379541	-1.773648481	-0.979966611	-1.602762416	1.0506764	0.8153003	0.8933089	0.8314993	5.0381878
5835000000	2.617993878	0.523598776	0.560300028	-2.514064843	-0.64589184	-1.657382452	1.066663	0.7486809	0.9283365	0.8262869	5.0326117
5835000000	2.617993878	0.575958653	0.772626872	-3.077376501	-0.45169021	-1.503969468	1.0930281	0.7016672	0.9493262	0.8410107	5.0692615
5835000000	2.617993878	0.628318531	1.132835176	-3.130091467	-0.519427528	-2.173054605	1.1393096	0.6974217	0.9419517	0.7785859	5.0019122
5835000000	2.617993878	0.680678408	1.685531601	-2.663196403	-0.715623328	-3.99389956	1.2141618	0.7359362	0.9209135	0.6314006	4.8667452
5835000000	2.617993878	0.733082826	2.200703478	-2.100096802	-0.744726558	-6.447609908	1.2883539	0.7852269	0.917833	0.6740138	4.7795479
5835000000	2.617993878	0.785398163	2.311593657	-1.863774621	-0.430090946	-7.614483675	1.3049074	0.8068843	0.951689	0.4161748	4.8101251
5835000000	2.617993878	0.837758041	1.859985107	-2.082271618	0.138665306	-7.115741264	1.2387945	0.78684	1.0160927	0.4407709	4.8172177
5835000000	2.617993878	0.890117919	1.07157985	-2.533585475	0.795752152	-6.846953288	1.3113031	0.7470002	1.0959387	0.454624	4.6824105
5835000000	2.617993878	0.942477796	0.507196589	-2.746998778	1.444215906	-6.693986219	1.0601317	0.72887	1.1808937	0.4467152	4.6513096
5835000000	2.617993878	0.994837674	0.545895975	-2.526006109	-2.01707631	-6.362312503	1.0648656	0.7476523	1.2614029	0.4807113	4.9952934
5835000000	2.617993878	1.047197551	0.882792871								

5835000000	2.670353756	-2.565634	-9.261076628	-13.2877732	-9.639179866	-9.750537919	0.3443073	0.2165765	0.3296408	0.3254416	-4.32217
5835000000	2.670353756	-2.513274123	-9.40512346	-9.231342935	-9.771514264	-9.877790254	0.3386443	0.3454879	0.3246566	0.3207085	-3.54685
5835000000	2.670353756	-2.460914245	-8.493712614	-7.289525711	-10.31785444	-9.270275856	0.3761096	0.4320398	0.3048648	0.3439428	-2.751666
5835000000	2.670353756	-2.408554368	-7.12105539	-6.294918123	-10.56550531	-8.481193438	0.4405013	0.4844557	0.2962953	0.376652	-1.949584
5835000000	2.670353756	-2.35619449	-6.242153413	-5.758466052	-9.204888853	-6.85006896	0.4874076	0.5153196	0.3465413	0.4544609	-0.897171
5835000000	2.670353756	-2.303834613	-6.312226679	-5.745112569	-7.091637504	-4.841957055	0.4834913	0.5161125	0.4419958	0.572667	0.061739
5835000000	2.670353756	-2.251474735	-7.256777336	-6.481449391	-5.58756264	-3.462684731	0.4336718	0.4741629	0.5255595	0.6712214	0.4428551
5835000000	2.670353756	-2.199114858	-8.091658093	-7.965358342	-4.816140537	-3.096852395	0.3939282	0.3996981	0.5743716	0.7000957	0.2908039
5835000000	2.670353756	-2.14675498	-7.936184619	-9.502142734	-4.257592592	-3.373989581	0.4010428	0.4324882	0.6125201	0.6550893	0.0153393
5835000000	2.670353756	-2.094395102	-8.033231481	-9.573603802	-3.433197719	-4.516768752	0.396587	0.332139	0.6735039	0.5945133	-0.041556
5835000000	2.670353756	-2.042035225	-9.145948104	-8.293794036	-2.450413194	-4.322793162	0.3489013	0.3848667	0.7541875	0.4067935	0.4067901
5835000000	2.670353756	-1.98675347	-9.088802569	-7.14511846	-1.669111202	-3.184558516	0.3512043	0.4392827	0.8251719	0.693062	1.2468288
5835000000	2.670353756	-1.93731547	-6.736782307	-6.619884886	-1.223452851	-2.309609064	0.4604271	0.4666656	0.6868151	0.766513	2.1517311
5835000000	2.670353756	-1.884955592	-4.896134531	-6.418942459	-1.023437324	-2.024311132	0.5691061	0.4775874	0.8888493	0.7921081	2.6951759
5835000000	2.670353756	-1.832595715	-4.23759214	-5.999313217	-0.89832182	-1.924340842	0.6139322	0.5012269	0.9017453	0.8012775	2.9787805
5835000000	2.670353756	-1.780235837	-3.938091561	-5.27085633	-0.704412447	-1.511104329	0.6354705	0.5450762	0.9221029	0.8403202	3.355116
5835000000	2.670353756	-1.72787596	-3.016195381	-4.653397764	-0.401015409	-0.832909691	0.706627	0.5852348	0.9538811	0.9085619	3.957473
5835000000	2.670353756	-1.675516082	-1.814587057	-4.422042469	-0.11682651	-0.365245237	0.8114666	0.6010324	0.9866358	0.9588214	4.5009007
5835000000	2.670353756	-1.623156204	-1.140303973	-4.417401338	0.044756662	-0.408871726	0.8769701	0.6013536	1.0051661	0.9540177	4.7042732
5835000000	2.670353756	-1.570796327	-1.068382149	-4.125978762	0.030956572	-0.874293155	0.8842619	0.6218721	1.0035704	0.9042434	4.6445374
5835000000	2.670353756	-1.518436449	-0.796192232	-3.234758801	-0.098119062	-1.353442072	0.9124107	0.6898068	0.9887672	0.8557125	4.7256008
5835000000	2.670353756	-1.466076572	0.451643719	-2.115814912	-0.227328942	-1.429921557	1.053373	0.7830202	0.9741673	0.848211	5.2547941
5835000000	2.670353756	-1.413716694	1.964430559	-1.289438453	-0.246357069	-1.155983563	1.2537805	0.8620413	0.9720355	0.8753885	5.9404204
5835000000	2.670353756	-1.361356817	2.868501226	-0.931916497	-0.100174727	-0.084206833	1.3913137	0.8982464	0.9885332	0.8928729	6.384171
5835000000	2.670353756	-1.308996939	3.06003595	-0.873929894	0.207929894	-1.193417341	1.4223347	0.9042812	1.0242276	0.9716239	6.4907262
5835000000	2.670353756	-1.256637061	2.94612679	-0.784306976	0.653942899	-1.617145824	1.4038036	0.9136601	1.0781946	0.8301235	6.4975143
5835000000	2.670353756	-1.204277184	3.030817792	-0.551660866	1.179830051	-1.680981024	1.4175582	0.9384662	1.1454905	0.8900045	6.6699849
5835000000	2.670353756	-1.151917306	3.334274676	-0.464148331	1.655100441	-1.746760883	1.4679584	0.9479656	1.2099156	0.817828	6.9342313
5835000000	2.670353756	-1.099557429	3.454502305	-0.885458569	1.299404777	-1.724468567	1.4884187	0.9300818	1.2487349	0.8199296	6.9664185
5835000000	2.670353756	-1.047197551	3.178321382	-1.929867307	1.944360736	-2.23020979	1.4418367	0.8007682	1.2508869	0.773552	6.581942
5835000000	2.670353756	-0.994837674	2.761636848	-3.259349422	1.833049994	-3.315887934	1.3743009	0.6871199	1.230737	0.6826618	5.9657486
5835000000	2.670353756	-0.942477796	2.671062655	-4.127720284	1.732630317	-4.380465387	1.3600445	0.6217474	1.2207634	0.6039163	5.5898521
5835000000	2.670353756	-0.890117919	2.873635345	-4.368362474	1.89942513	-4.781713162	1.3921363	0.6047584	1.2430004	0.5766527	5.6128141
5835000000	2.670353756	-0.837758041	2.934246946	-4.613185498	2.191110036	-4.854661521	1.4018849	0.5879504	1.2369317	0.57183	5.6854488
5835000000	2.670353756	-0.785398163	2.758236298	-4.327185204	2.514563687	-4.862879789	1.373763	0.566749	1.3260658	0.5712892	5.6488324
5835000000	2.670353756	-0.733038286	2.7119889	-4.627624344	2.393074731	-4.28776474	1.3664679	0.5869739	1.3172061	0.6103961	5.7583715
5835000000	2.670353756	-0.680678408	3.005439065	-3.744556665	2.081837057	-3.155015563	1.4134223	0.6497887	1.2708429	0.6954233	6.0843741
5835000000	2.670353756	-0.628318531	3.228812804	-3.2081567	1.571405557	-2.347191568	1.4502425	0.6911816	1.1984144	0.7636782	6.2425244
5835000000	2.670353756	-0.575958653	2.935780837	-3.45179567	1.052151991	-2.323303437	1.4021325	0.6720634	1.1287756	0.7653055	5.9514394
5835000000	2.670353756	-0.523598776	2.195409298	-3.993505108	0.673158592	-2.728122804	1.2875689	0.6314293	1.0805825	0.7304557	5.4136614
5835000000	2.670353756	-0.471238898	1.618729876	-3.582365436	0.399020479	-2.471433121	1.2048597	0.6620362	1.0470105	0.7523646	5.2638913
5835000000	2.670353756	-0.41887902	1.640460825	-2.118522653	0.073855709	-1.350637663	1.2078779	0.7835629	1.0085392	0.8595898	5.7020705
5835000000	2.670353756	-0.366519143	1.821479095	-0.80209866	-0.36579359	-0.45329243	1.2333148	0.9117903	0.9587609	0.9491512	6.1349695
5835000000	2.670353756	-0.314159265	1.616392376	-0.21017298	-0.783832748	-0.463119447	1.2045355	0.9760933	0.91371	0.9480779	6.1122219
5835000000	2.670353756	-0.261799388	0.9570457	-0.241470351	-0.943423393	-1.280983584	1.1164834	0.9725826	0.8970752	0.8628808	5.6864079
5835000000	2.670353756	-0.20943951	0.091015071	-0.402475564	-0.778205779	-1.82561689	1.0105336	0.9547204	0.9143021	0.8104368	5.3199108
5835000000	2.670353756	-0.157079633	-0.672908484	-0.213221004	-0.50130243	-1.075394656	0.9255434	0.9757509	0.9439193	0.8835482	5.4104835
5835000000	2.670353756	-0.104719755	-0.104719755	0.21780996	-0.395844629	-0.041813613	0.8897977	1.0253934	0.9554496	0.9951976	5.7242736
5835000000	2.670353756	-0.052359878	-0.755671626	0.47672955	-0.633823238	0.371286089	0.9166772	1.0564197	0.9296272	1.0436727	5.9031449
5835000000	2.670353756	-4.44E-16	-0.187012811	0.410326586	-1.24299642	0.470273688	0.9786995	1.0483742	0.8666628	1.0563438	5.9099594
5835000000	2.670353756	0.052359878	0.235695406	0.129010152	-0.78936261	0.906792341	1.027507	1.0149637	0.7871422	1.1100425	5.8885647
5835000000	2.670353756	0.104719755	0.331217542	-0.237840628	-2.762021638	1.424813665	1.0388692	0.9729891	0.7276104	1.1782588	5.8400846
5835000000	2.670353756	0.157079633	0.213143762	-0.650187794	-2.849483307	1.343494427	1.0248426	0.9278774	0.7203206	1.1672791	5.6667479
5835000000	2.670353756	0.20943951	0.102184134	-1.010888296	0.687144935	-0.54507905	1.0118339	0.8901344	0.7617229	1.0823239	5.4507905
5835000000	2.670353756	0.261799388	0.130200257	-1.125554697	-1.764637192	0.280028452	1.0153134	0.8784606	0.8161465	1.0372648	5.4430663
5835000000	2.670353756	0.314159265	0.282781819	-1.022131755	-1.63653866	0.41885475	1.0330922	0.8889829	0.8524581	1.0494041	5.6296155
5835000000	2.670353756	0.366519143	0.448533646	-1.038065076	-1.253272518	0.247614216	1.0529959	0.8873536	0.8656381	1.0289179	5.6543995
5835000000	2.670353756	0.41887902	0.565300576	-1.441380779	-1.17150688	-0.672712233	1.0672472	0.8470927	0.8738254	0.9255319	5.37553
5835000000	2.670353756	0.471238898	0.66269093	-2.205421911	-0.946875871	-1.662818319	1.0793146	0.7757627	0.8967187	0.82577	5.051153
5835000000	2.670353756	0.523598776	0.778747911	-3.056923201	-0.608678213	-1.799829704	1.0937987	0.7033214	0.9323223	0.8128465	4.9650796
5835000000	2.670353756	0.575958653	0.933511114	-3.61145702	-0.352407012	-1.746581646	1.1334624	0.6598225	0.9602397	0.8178448	4.9873172
5835000000	2.670353756	0.628318531	1.237247086	-3.543720384	-0.296307261	-1.67180889	1.1530877	0.6649883	0.9664617	0.7397919	4.9209303
5835000000	2.670353756	0.680678408	1.769241794	-2.922181234	-0.365065044	-4.844352095	1.2259199	0.7143169	0.9588413	0.5725091	4.7899618
5835000000	2.670353756	0.733038286	2.307829778	-2.251399736	-0.352256842	-7.752091235	1.304342	0.7716672	0.960255	0.9606335	4.725447
5835000000	2.670353756	0.785398163	2.497377875	-1.987020247	-0.105126316	-8.221817751	1.3331189	0.7955161	0.9883794	0.3880691	4.8733677
5835000000	2.670353756	0.837758041	2.198314523	-2.270387006	0.375744414	-6.699146	1.2879996	0.7699821	1.0442085	0.4624265	5.0196569
5835000000	2.670353756	0.890117919	1.598619269	-2.884780224	0.975877121	-5.926749468	1.2020733	0.7173994	1.119127	0.5054318	4.9693514
5835000000	2.670353756	0.942477796	1.10555770								

5835000000	2.722713633	-2.670353756	-9.974951701	-22.68205803	-9.610121005	-7.331639562	0.317141	0.073434	0.3307455	0.4299501	-4.797052
5835000000	2.722713633	-2.617993878	-9.402463944	-18.7418867	-9.822434682	-9.369159127	0.338748	0.1155861	0.3227589	0.3400494	-5.058428
5835000000	2.722713633	-2.565634	-9.854076855	-12.48586157	-9.895064997	-10.55526836	0.3215853	0.2375237	0.3200713	0.2966447	-4.613746
5835000000	2.722713633	-2.513274123	-9.907161745	-9.416213852	-10.17770229	-9.412113529	0.3196259	0.3821222	0.3098239	0.3383719	-3.701511
5835000000	2.722713633	-2.460914245	-9.055810621	-8.281332181	-10.62132814	-7.965722813	0.3525409	0.3854192	0.2943971	0.3996813	-2.901506
5835000000	2.722713633	-2.408554368	-8.228609501	-7.943088541	-10.42178877	-6.812948055	0.3877658	0.4007242	0.3012386	0.4546073	-2.235647
5835000000	2.722713633	-2.35619449	-8.169603017	-7.415450154	-8.574222449	-5.395958926	0.390409	0.4258214	0.3726395	0.5372817	-1.279021
5835000000	2.722713633	-2.30384613	-9.062427549	-6.715697615	-6.304732173	-3.859684443	0.3522724	0.4615461	0.4839092	0.6412329	-0.26922
5835000000	2.722713633	-2.251474735	-10.14810933	-6.494688985	-6.486980425	-2.883393069	0.3108813	0.4734407	0.5708339	0.7175139	0.3100024
5835000000	2.722713633	-2.199114858	-9.919646917	-7.094226363	-4.315674433	-2.869538166	0.3191668	0.4418664	0.6084379	0.7186594	0.3745429
5835000000	2.722713633	-2.14675498	-9.351945886	-8.389045703	-4.030022462	-3.746549212	0.340724	0.3806692	0.6287802	0.6496397	-0.000812
5835000000	2.722713633	-2.094395102	-9.931911136	-9.51198792	-3.364411919	-4.479293774	0.3187164	0.3329968	0.6788587	0.5970838	-0.32001
5835000000	2.722713633	-2.042035225	-10.06201768	-9.42652974	-2.407735393	-3.593860572	0.3139779	0.3378108	0.7579023	0.6611606	0.3023798
5835000000	2.722713633	-1.989675347	-7.369837404	-8.488496285	-1.629041866	-2.048504969	0.4280634	0.3763355	0.8289874	0.7899048	1.6675118
5835000000	2.722713633	-1.93731547	-4.760187591	-7.792524536	-1.232733529	-1.170053895	0.5780836	0.407731	0.868587	0.8739716	2.6974755
5835000000	2.722713633	-1.884955592	-3.655998481	-7.392847142	-1.124070958	-1.04950921	0.6564476	0.426931	0.8786106	0.8861853	3.0707319
5835000000	2.722713633	-1.832597515	-3.713122674	-6.765158029	-1.157873398	-1.137683167	0.6521445	0.4589254	0.875198	0.8772348	3.1173522
5835000000	2.722713633	-1.780235837	-3.653659447	-5.774148965	-1.144547862	-0.85492057	0.6566244	0.51439	0.8765418	0.9062624	3.3870766
5835000000	2.722713633	-1.72787596	-2.635137766	-4.854207731	-0.998098086	-0.303099816	0.7383174	0.5718599	0.8914461	0.9657062	3.9932652
5835000000	2.722713633	-1.675516082	-1.641406285	-4.277970529	-0.786228342	-0.033627915	0.8278081	0.6110848	0.913458	0.9961359	4.476372
5835000000	2.722713633	-1.623156204	-1.40211877	-3.884787063	-0.63387135	-0.343818721	0.8509304	0.6393824	0.9296193	0.9611896	4.5606162
5835000000	2.722713633	-1.570796327	-1.5755004114	-3.274930716	-0.595333868	-1.076581314	0.8341128	0.6858884	0.9337558	0.8834275	4.4470046
5835000000	2.722713633	-1.518436449	-0.948855741	-2.729274051	-0.630531701	-1.690978969	0.8965143	0.7691947	0.9297996	0.8230971	4.6568374
5835000000	2.722713633	-1.466076572	0.720562656	-1.198875081	-0.64524574	-1.691201586	1.086496	0.8710764	0.9284055	0.823076	5.3646629
5835000000	2.722713633	-1.413716694	2.16417087	-0.421597052	-0.545025333	-1.23289862	1.2829465	0.9520621	0.9391798	0.8646304	6.1056893
5835000000	2.722713633	-1.361356817	2.727455918	-0.093217909	-0.289024052	-1.004257693	1.3689034	0.9893253	0.9672724	0.8908142	6.4780615
5835000000	2.722713633	-1.308996939	2.573588925	-0.06694842	0.1079431	-1.1909573	1.3448673	0.9906085	1.0125049	0.871871	6.4842325
5835000000	2.722713633	-1.256637061	2.380864113	-0.125914782	0.613103044	-1.583704465	1.3153557	0.9856081	1.073137	0.8333257	6.4593707
5835000000	2.722713633	-1.204277184	2.744917751	-0.083643491	1.164768787	-1.13724526	1.3716581	0.9409164	1.143506	0.8220226	6.7043487
5835000000	2.722713633	-1.195117306	3.360227984	-0.170416437	1.648638389	-1.433519841	1.4723511	0.9805713	1.209015	0.8478597	7.0625403
5835000000	2.722713633	-1.09957429	3.621772014	-0.713165083	1.951079227	-1.223668166	1.5173599	0.9211742	1.2518548	0.8685935	7.1567584
5835000000	2.722713633	-1.047197551	3.394947502	-1.858904849	2.051821555	-1.563041018	1.4782483	0.8073368	1.2664575	0.8353105	6.8234519
5835000000	2.722713633	-0.994837674	3.058184401	-3.37493129	2.068588654	-2.515969331	1.4220315	0.6780371	1.2689059	0.7485168	6.2720539
5835000000	2.722713633	-0.942477796	3.08659019	-4.628145988	2.182787943	-3.555756425	1.4266896	0.5689386	1.2857129	0.640674	5.940777
5835000000	2.722713633	-0.890117919	3.347688045	-5.363023696	2.450561478	-4.138791839	1.470227	0.5393228	1.3259528	0.6209554	5.9253315
5835000000	2.722713633	-0.837758041	3.3784716	-6.08098058	2.723244858	-4.54404394	1.4754469	0.4961296	1.3682339	0.5926495	5.8726989
5835000000	2.722713633	-0.785398163	3.1059097365	-6.708239624	2.797023008	-4.949755499	1.4303913	0.4619426	1.3799112	0.5566037	5.6615174
5835000000	2.722713633	-0.733038286	2.899467281	-6.143004965	2.564952932	-4.59948162	1.3962827	0.4930032	1.3435309	0.5888788	5.6245219
5835000000	2.722713633	-0.680678408	2.976410498	-4.729691146	2.067757943	-3.737596707	1.4087065	0.5801168	1.2687846	0.677829	5.8792593
5835000000	2.722713633	-0.628318531	3.011617337	-3.786512206	1.425252321	-2.430812954	1.4144281	0.4666657	1.1874426	0.7558913	6.0301916
5835000000	2.722713633	-0.575958653	2.612817195	-3.682589466	1.067717456	-2.381411522	1.3509549	0.6342041	1.1308002	0.7602027	5.7926863
5835000000	2.722713633	-0.523598776	1.875965256	-3.900753908	0.839001676	-2.851096903	1.2410757	0.6588881	1.1014217	0.7201868	5.535078
5835000000	2.722713633	-0.471238898	1.394156494	-3.429663009	0.618494797	-2.652811036	1.1741074	0.6737778	1.0738033	0.7368167	5.2545472
5835000000	2.722713633	-0.41887902	1.487795419	-2.158645836	0.226667231	-1.503518972	1.1868334	0.7799517	1.0267467	0.8410543	5.6537701
5835000000	2.722713633	-0.366519143	1.68817587	-0.982399083	-0.299234112	-0.534049468	1.2145315	0.8930588	0.9661351	0.9403673	6.0511448
5835000000	2.722713633	-0.314159265	1.509709411	-0.412425389	-0.735143027	-0.540343603	1.1898315	0.9536274	0.9188463	0.9490701	6.0452659
5835000000	2.722713633	-0.261793988	0.89476869	-0.385297208	-0.848262373	-1.198550531	1.108507	0.9566105	0.9069574	0.8711089	5.6732232
5835000000	2.722713633	-0.20943951	0.063964606	-0.468793027	-0.668020318	-1.770670199	1.0073914	0.9474588	0.9259744	0.8155799	5.3349897
5835000000	2.722713633	-0.15079633	-0.678133322	-0.245788085	-0.442129431	-1.094434582	0.9248969	0.9720992	0.9503718	0.886136	5.4112047
5835000000	2.722713633	-0.104719755	-0.999587893	0.183929779	-0.401295825	-0.062792066	0.8912932	1.0214015	0.9548501	0.9297969	5.7119151
5835000000	2.722713633	-0.052359878	-0.739738706	0.450568982	-0.663171248	0.367685406	0.9183602	1.0532427	0.9264915	1.0432401	5.892266
5835000000	2.722713633	-4.446-16	-0.187012709	0.410326613	0.470273871	0.9786995	1.0483742	0.8666628	1.0556348	0.9099595	
5835000000	2.722713633	0.052359878	0.238460175	0.149688507	-0.202707214	0.924816616	1.0278341	1.0173829	0.7918563	1.1123484	5.9100702
5835000000	2.722713633	0.104719755	0.37824344	-0.231928577	-2.694618402	1.471489644	1.044509	0.9736515	0.7332787	1.1846075	5.8806051
5835000000	2.722713633	0.157079633	0.329958323	-0.6894665	-2.831138085	1.385202146	1.0387186	0.9236911	0.7218398	1.1728976	5.7047243
5835000000	2.722713633	0.20943951	0.261719768	-1.075933691	-2.399689123	0.677261039	1.0305902	0.8834934	0.7586047	1.081093	5.4687794
5835000000	2.722713633	0.261799388	0.271965801	-1.166290156	-1.801170207	0.24840386	1.0318066	0.8743504	0.812721	1.028585	5.4541471
5835000000	2.722713633	0.314159265	0.377453221	-1.048392853	-1.373686623	0.451910011	1.044139	0.8682992	0.8537204	1.0534053	5.6611348
5835000000	2.722713633	0.366519143	0.536908054	-1.130320316	-1.172175083	0.363010793	1.0637643	0.8779787	0.8737582	1.0426788	5.7070497
5835000000	2.722713633	0.41887902	0.697946612	-1.680216248	-1.046210278	-0.533952886	1.0836707	0.8241176	0.8865219	0.9403778	5.4244866
5835000000	2.722713633	0.471238898	0.842435546	-2.610611674	-0.822049021	-1.615005566	1.1018482	0.7404051	0.9096986	0.8303281	5.0625908
5835000000	2.722713633	0.523598776	0.954842433	-3.546878204	-0.488016622	-1.901878694	1.1162003	0.6647465	0.9453593	0.8033523	4.9340538
5835000000	2.722713633	0.575958653	1.043988279	-4.040232898	-1.078889841	-1.953819242	1.1277151	0.6280451	0.9796152	0.7985627	4.9445702
5835000000	2.722713633	0.628318531	1.251801928	-3.810682416	0.003448418	-2.937974948	1.1550216	0.6448607	1.0003971	0.7130192	4.8937013
5835000000	2.722713633	0.680678408	1.716894554	-3.031250404	0.090617563	-5.371313093	1.2185539	0.7054033	1.0104873	0.5388084	4.7941282
5835000000	2.722713633	0.733038286	2.270213142	-2.271336784	0.20653654	-8.390749852	1.2987054	0.7698979	1.0240634	0.5809545	4.7941491
5835000000	2.722713633	0.785398163	2.587706654	-1.996506025	0.454169808	-8.096251941	1.347055	0.7946478	1.0536794	0.9337199	5.0791165
5835000000	2.722713633	0.837758041	2.538000779								

5835000000	2.775073511	-2.775073511	-15.6227243	-16.74390936	-8.350606285	-6.085950642	0.1655251	0.1454804	0.3823576	0.4962522	-4.512469
5835000000	2.775073511	-2.722713633	-13.02021514	-18.17596333	-9.007117679	-6.686971407	0.2235317	0.1233678	0.3545228	0.4630751	-4.699173
5835000000	2.775073511	-2.670353756	-10.72516006	-19.45971899	-9.738667102	-8.175210284	0.2909898	0.1064177	0.3258867	0.3901571	-5.087885
5835000000	2.775073511	-2.617993878	-10.01622546	-15.65239728	-10.07209956	-10.19161543	0.3156376	0.1649606	0.3136138	0.3093828	-5.164838
5835000000	2.775073511	-2.565634	-9.879285832	-11.33911252	-10.41045622	-10.16192173	0.3206533	0.2710465	0.3016318	0.3103873	-4.410098
5835000000	2.775073511	-2.513274123	-9.242425568	-9.260763265	-10.25454096	-8.182084216	0.3450474	0.3443197	0.2860046	0.3898484	-3.316547
5835000000	2.775073511	-2.460914245	-8.581322535	-9.246228478	-11.04264751	-6.56645213	0.372335	0.3448963	0.2804579	0.4695452	-2.69061
5835000000	2.775073511	-2.408554368	-8.807478794	-10.65802166	-10.11398795	-5.448056357	0.3627656	0.2931561	0.3121049	0.5304688	-2.48665
5835000000	2.775073511	-2.35619449	-10.39603742	-11.08341386	-7.772695459	-4.346738913	0.302133	0.2791446	0.4086629	0.6062658	-1.958819
5835000000	2.775073511	-2.30384613	-13.11353428	-9.060240121	-5.42939017	-3.265804682	0.2209649	0.3523611	0.5352227	0.6866094	-0.938545
5835000000	2.775073511	-2.251474735	-13.56922751	-7.20252414	-4.909183386	-2.666810044	0.2096711	0.436389	0.6244402	0.7356301	0.0265833
5835000000	2.775073511	-2.199114858	-11.50487207	-6.526542484	-3.777136413	-2.914539515	0.2659233	0.4717076	0.647356	0.7149456	0.423507
5835000000	2.775073511	-2.14675498	-10.94118831	-6.953445237	-3.878013254	-3.845257445	0.2837531	0.4490842	0.6398812	0.6422988	0.0649754
5835000000	2.775073511	-2.094395102	-11.43803463	-8.09803336	-3.515105115	-4.154172976	0.2679775	0.3936392	0.6671827	0.6198568	-0.225896
5835000000	2.775073511	-2.042035225	-9.383577722	-9.119819958	-2.592020609	-2.828315609	0.3394854	0.3499524	0.7419916	0.7220782	0.6423282
5835000000	2.775073511	-1.989675347	-6.12916984	-9.17785335	-1.718645787	-1.310442356	0.4937891	0.3476221	0.8204795	0.8599593	2.0137848
5835000000	2.775073511	-1.93731547	-4.219527432	-8.557407465	-1.237052391	-0.631060263	0.6152103	0.3733616	0.8672561	0.929293	2.8782462
5835000000	2.775073511	-1.884955592	-3.859651375	-7.757664624	-1.132085538	-0.719931776	0.6412353	0.4093707	0.8778003	0.9204568	3.0728318
5835000000	2.775073511	-1.832595715	-4.378181514	-6.75246131	-1.125769907	-0.96064249	0.6040751	0.4595986	0.8683834	0.8952985	3.0070088
5835000000	2.775073511	-1.780235837	-4.119483672	-5.615983696	-1.304339368	-0.762844204	0.6223373	0.5238426	0.8606537	0.9159205	3.2949782
5835000000	2.775073511	-1.72787596	-2.875912056	-4.667169611	-1.253303593	-0.319626331	0.7181322	0.5843076	0.8656323	0.9638705	3.895676
5835000000	2.775073511	-1.675516082	-2.141036048	-4.046969733	-1.12148391	-0.226764734	0.7815346	0.6275546	0.8788724	0.9742306	4.2495908
5835000000	2.775073511	-1.623156204	-2.267172579	-3.559773128	-1.020345945	-0.734148673	0.7702671	0.6637604	0.8891657	0.9189514	4.196048
5835000000	2.775073511	-1.570796327	-2.333433577	-2.842256584	-1.009220878	-1.586053209	0.7644134	0.7209202	0.8903053	0.8331004	4.1060887
5835000000	2.775073511	-1.518436449	-1.10115564	-1.775313656	-0.70865902	-2.134032451	0.8809317	0.8511544	0.884009	0.782165	4.5119993
5835000000	2.775073511	-1.466076572	0.706675645	-0.658293945	-1.125467046	-1.940662667	1.0847603	0.92701019	0.8784694	0.7997732	5.3199623
5835000000	2.775073511	-1.413716694	1.829088527	0.138289987	-1.064706746	-1.39048307	1.2343958	1.0160486	0.8846361	0.8520711	5.9926552
5835000000	2.775073511	-1.361356817	2.005304814	0.45548353	-0.818786712	-1.124540402	1.2596945	1.0538388	0.9100404	0.8785631	6.2396029
5835000000	2.775073511	-1.308996939	1.711734919	0.374893877	-0.39017819	-1.34275939	1.2178302	1.0441062	0.9560731	0.867656	6.1814731
5835000000	2.775073511	-1.256637061	1.875861588	0.131594848	0.173870235	-1.7198167	1.2410609	1.0152658	1.0202192	0.8203689	6.2285386
5835000000	2.775073511	-1.204277184	2.762259014	-0.107584977	0.793463502	-1.730622453	1.3743994	0.9876902	1.0956534	0.8193489	6.6023716
5835000000	2.775073511	-1.151917306	3.601764327	-0.451677033	1.359927895	-1.298873053	1.5138687	0.9493277	1.1694897	0.8611055	7.0316586
5835000000	2.775073511	-1.09557429	3.861077736	-1.173898499	1.785967424	-0.937991676	1.559746	0.8735848	1.2282828	0.8976363	7.1752681
5835000000	2.775073511	-1.047197551	3.61764823	-2.420739304	2.068885752	-1.148223906	1.5166397	0.7567685	1.2689493	0.861709	6.884953
5835000000	2.775073511	-0.994837674	3.358920638	-3.959806865	2.300730616	-1.961191419	1.4721296	0.6338838	1.3032764	0.7978852	6.4592116
5835000000	2.775073511	-0.942477796	3.481127606	-5.192405215	2.580722708	-2.870539176	1.4929882	0.5500216	1.3459723	0.7185766	6.2510757
5835000000	2.775073511	-0.890117919	3.737056736	-6.025689883	2.883660618	-3.4447177	1.5376335	0.4997071	1.3937441	0.6726112	6.2429305
5835000000	2.775073511	-0.837758041	3.682676865	-7.139344882	3.055890756	-4.000326893	1.5280369	0.4395748	1.4216561	0.6309336	6.0643561
5835000000	2.775073511	-0.785398163	3.289918729	-8.402504671	2.94805307	-4.790586576	1.4640811	0.3800798	1.4041149	0.5841621	5.6346102
5835000000	2.775073511	-0.733038286	2.913202401	-7.913576591	2.525999465	-4.658065813	1.3984924	0.4020881	1.337519	0.5849203	5.3973071
5835000000	2.775073511	-0.680678408	2.784260172	-5.935948104	1.917924894	-3.46123898	1.3775996	0.5048968	1.2470855	0.6713331	5.5771632
5835000000	2.775073511	-0.628318531	2.641536964	-4.459452741	1.930043926	-2.442637245	1.3554292	0.5984995	1.173551	0.754863	5.7611652
5835000000	2.775073511	-0.575958653	2.170304957	-3.863351953	1.139990488	-2.382040048	1.2835528	0.6409622	1.1402485	0.7601477	5.6235086
5835000000	2.775073511	-0.523598776	1.502650276	-3.639287658	1.053302998	-2.919914214	1.1888649	0.6577118	1.1289252	0.7145034	5.3199397
5835000000	2.775073511	-0.471238898	1.175507824	-3.060296489	0.84474714	-2.814181503	1.1449207	0.7030483	1.1021415	0.7232541	5.2860689
5835000000	2.775073511	-0.41887902	1.354064902	-2.02206428	0.76440068	-1.687042498	1.1687005	0.7923	1.0442922	0.8234702	5.6405697
5835000000	2.775073511	-0.366519143	1.565358668	-1.068826405	-0.225100535	-0.669475024	1.1974791	0.8842166	0.9744173	0.9258193	5.9812776
5835000000	2.775073511	-0.314159265	1.408383096	-0.580522421	-0.658919875	-0.497252173	1.176032	0.9353494	0.9269451	0.9434596	5.9829217
5835000000	2.775073511	-0.261799388	0.839542536	-0.519592858	-0.729043348	-1.142692115	1.1014813	0.9419337	0.9194917	0.876729	5.6652008
5835000000	2.775073511	-0.20943951	0.048834873	-0.528615099	-0.551023337	-1.700401937	1.0056382	0.9409558	0.9385315	0.8222046	5.3606251
5835000000	2.775073511	-0.157079633	-0.668881949	-0.27106955	-0.384760526	-0.8865543	0.9258826	0.9692739	0.9566696	0.8822004	5.4229478
5835000000	2.775073511	-0.104719755	-0.104719755	-0.154123448	-0.40894278	-0.073421448	0.8938125	1.0179025	0.9540099	0.9915827	5.7050853
5835000000	2.775073511	-0.052359878	-0.720788915	-0.425030111	-0.693636221	0.365901008	0.920366	1.0501504	0.9232476	1.0430258	5.8822446
5835000000	2.775073511	-4.44E-16	-0.187012852	0.410326756	0.470273784	0.90999595	0.9786995	1.0483742	0.8666629	1.0556348	5.9099595
5835000000	2.775073511	0.052359878	0.239768955	0.17137308	-1.970454562	0.942176348	0.927989	1.019926	0.7970348	1.1145738	5.9322585
5835000000	2.775073511	0.104719755	0.420246792	-0.222626324	-2.60853464	1.517584909	1.0495722	0.9746949	0.7405822	1.1909108	5.9239991
5835000000	2.775073511	0.157079633	0.435311544	-0.720138642	-2.775509473	1.429310125	1.0513942	0.9204349	0.7264814	1.1788689	5.7497918
5835000000	2.775073511	0.20943951	0.40432983	-1.123820583	-2.385595621	0.74076507	1.0675007	0.878636	0.7598366	1.0807914	5.4991156
5835000000	2.775073511	0.261799388	0.390377033	-1.182595387	-1.778640758	0.226591633	1.0459691	0.8727106	0.8148318	1.0264306	5.483023
5835000000	2.775073511	0.31459265	0.437080409	-1.048651842	-1.290773761	0.523977808	1.0516083	0.8862728	0.8619088	1.0621819	5.715582
5835000000	2.775073511	0.366519143	0.568696702	-1.193783001	-1.103033989	0.546536311	1.0676646	0.87515872	0.8901912	1.0649441	5.7881825
5835000000	2.775073511	0.41887902	0.757192351	-1.88103463	-0.833231037	-0.298245095	1.0910876	0.8052825	0.9085283	0.9662461	5.5088635
5835000000	2.775073511	0.471238898	0.94214374	-2.955559779	-0.612740786	-1.461021592	1.1145696	0.7115772	0.9318864	0.8451794	5.1131978
5835000000	2.775073511	0.523598776	1.050170714	-3.926226699	-0.305698743	-1.896704748	1.1285181	0.6363392	0.9654173	0.803831	4.9449095
5835000000	2.775073511	0.575958653	1.065331031	-4.300436128	0.5105968554	-1.96462964	1.1304895	0.6095632	1.0018401	0.7975695	4.9580064
5835000000	2.775073511	0.628318531	1.150194143	-3.89953945	0.281809215	-2.830315515	1.1415888	0.6382973	1.0329765	0.7219119	4.9466347
5835000000	2.775073511	0.680678408	1.516077237	-2.99181593	0.500724824	-5.037907734	1.1907041	0.7086131	1.0593421	0.5598829	4.9066792
5835000000	2.775073511	0.733038286	2.078878								

5835000000	2.827433388	-2.879793266	-13.51232891	-17.11581511	-9.828852833	-6.241386774	0.2110491	0.1393828	0.3225205	0.4874507	-4.728422
5835000000	2.827433388	-2.827433388	-14.38344988	-15.86671617	-7.80986574	-6.274182646	0.1909095	0.1609401	0.3638737	0.4856136	-4.427304
5835000000	2.827433388	-2.775073511	-15.80838993	-16.13168766	-8.617569429	-6.532918683	0.1620244	0.1561046	0.3707845	0.4713615	-4.729382
5835000000	2.827433388	-2.722713633	-14.27210515	-17.5522025	-9.294940862	-7.271800229	0.1933725	0.1325551	0.3429675	0.4329223	-5.178423
5835000000	2.827433388	-2.670353756	-11.91401277	-17.6482738	-10.06052691	-8.839193559	0.2536877	0.1310951	0.3140318	0.3614434	-5.512369
5835000000	2.827433388	-2.617993878	-10.51494437	-13.69607469	-10.51598538	-10.11537744	0.2980251	0.2066314	0.2979893	0.312055	-5.077344
5835000000	2.827433388	-2.565634	-9.27234802	-10.09184899	-11.18956649	-8.932565939	0.3438607	0.3129014	0.2757539	0.3575788	-3.808167
5835000000	2.827433388	-2.513274123	-8.039954113	-8.398753718	-11.97182117	-6.878309732	0.3962801	0.380244	0.2520049	0.4529857	-2.606481
5835000000	2.827433388	-2.460914245	-7.572447378	-8.721016299	-11.80038166	-5.393791925	0.4181938	0.3663944	0.2572083	0.5374158	-2.052778
5835000000	2.827433388	-2.408545368	-8.002007145	-11.18077195	-10.04612487	-4.397887585	0.3801016	0.2760333	0.3145529	0.6027061	-2.083851
5835000000	2.827433388	-2.35619449	-10.73636512	-13.92784282	-7.305591286	-3.61017201	0.2905238	0.2011907	0.4312414	0.6599202	-2.031662
5835000000	2.827433388	-2.303834613	-13.36620062	-10.94312348	-4.920387943	-2.996872636	0.2146298	0.2836899	0.5675193	0.7082007	-1.041334
5835000000	2.827433388	-2.251474735	-12.57125675	-7.572302636	-2.79106872		0.2351999	0.4182008	0.6584242	0.7251812	0.1592471
5835000000	2.827433388	-2.199114858	-11.02593232	-5.954736686	-3.463976001	-3.222869653	0.2809981	0.5038058	0.6711216	0.6900118	0.6117406
5835000000	2.827433388	-2.14675498	-10.86198001	-5.740043714	-3.908607499	-4.004244589	0.2863525	0.5164138	0.6376313	0.6306491	0.3031978
5835000000	2.827433388	-2.094395102	-10.18946466	-6.587558438	-3.957785234	-3.893359298	0.3094046	0.4684056	0.6340314	0.6387517	0.2169904
5835000000	2.827433388	-2.042035225	-7.740783446	-8.040730648	-3.162367153	-2.519424837	0.4101671	0.3962447	0.6948349	0.748219	0.1029879
5835000000	2.827433388	-1.989675347	-5.619081625	-9.186632695	-2.185391946	-1.25512097	0.5236558	0.3472709	0.7775537	0.8654539	1.9864786
5835000000	2.827433388	-1.93731547	-4.808059692	-9.108190523	-1.568609868	-0.82962305	0.5749062	0.3504213	0.8347751	0.9080957	2.5063989
5835000000	2.827433388	-1.884955592	-5.293903081	-8.04583393	-1.361043936	-1.093569896	0.5436318	0.396012	0.854964	0.8817013	2.5301254
5835000000	2.827433388	-1.832595715	-6.080262755	-6.724109322	-1.364372106	-1.39078757	0.4965773	0.4610994	0.8546364	0.8520433	2.4912397
5835000000	2.827433388	-1.780235837	-5.269982052	-5.599119286	-1.345319753	-1.178408024	0.545131	0.5248607	0.8565131	0.8731314	2.9124321
5835000000	2.827433388	-1.72787596	-3.841057072	-4.903904489	-1.20800002	-0.778129009	0.6426095	0.5685973	0.8701618	0.9143102	3.5093048
5835000000	2.827433388	-1.675516082	-3.354205881	-4.635647596	-1.014775443	-0.784672028	0.6795659	0.5864319	0.8893761	0.9136217	3.7206018
5835000000	2.827433388	-1.623156204	-3.534516556	-4.479407905	-0.869396036	-1.338596559	0.6656933	0.597076	0.9047533	0.8517763	3.5930432
5835000000	2.827433388	-1.570796327	-2.957260116	-3.897317828	-0.837183783	-2.059097177	0.7114379	0.6384606	0.9081149	0.7889421	3.6567224
5835000000	2.827433388	-1.518436449	-1.193125498	-2.706146849	-0.927866725	-2.311150127	0.8716532	0.7323061	0.8986833	0.7663771	4.2677507
5835000000	2.827433388	-1.466076572	0.426703985	-1.371510065	-1.08497885	-1.906561794	1.0503528	0.8539344	0.8825739	0.8029193	5.0807575
5835000000	2.827433388	-1.413716694	1.141832057	-0.408483062	-1.188567777	-1.353995029	1.1404903	0.9540603	0.8721107	0.8556581	5.6259397
5835000000	2.827433388	-1.361356817	1.105712104	-0.020467698	-1.109013953	-1.185509962	1.1357575	0.9974663	0.880135	0.8724178	5.769359
5835000000	2.827433388	-1.308996939	1.119806949	-0.143787153	-0.782584762	-1.485593806	1.137602	0.9835822	0.9138413	0.8427918	5.7511468
5835000000	2.827433388	-1.256637061	1.941540451	-0.554345742	-0.234128393	-1.874158392	1.2504808	0.9381725	0.973405	0.8059203	5.9507865
5835000000	2.827433388	-1.204277184	3.160169282	-1.051135955	-0.443945719	-1.831454384	1.4388266	0.8860193	1.0524399	0.8089823	6.4178288
5835000000	2.827433388	-1.159177306	3.966214358	-1.673675647	1.125898403	-1.327355633	1.5787404	0.8427384	1.1384001	0.8582864	6.8487798
5835000000	2.827433388	-1.099557429	4.100986161	-2.666820351	1.709160491	-0.91198878	1.6034274	0.7356922	1.2174693	0.9003276	6.9599674
5835000000	2.827433388	-1.047197551	3.817357294	-4.167513977	2.164876727	-0.1071642313	1.5519148	0.6189054	1.2830508	0.88393	6.7247925
5835000000	2.827433388	-0.994837674	3.632463701	-5.771770192	2.535722006	-1.785301421	1.5192288	0.5145309	1.339017	0.8142072	6.417426
5835000000	2.827433388	-0.942477796	3.80522725	-6.584190726	2.863107126	-2.528156584	1.549749	0.4685872	1.3904491	0.7474673	6.5334387
5835000000	2.827433388	-0.890117919	4.010113794	-6.838798283	3.100697635	-2.961108499	1.5867397	0.4505051	1.4290087	1.1711228	6.4069191
5835000000	2.827433388	-0.837758041	3.854394703	-7.733003748	3.125951315	-1.481261382	1.5585464	0.4503346	1.4331695	0.6697873	6.1756363
5835000000	2.827433388	-0.785398163	3.341753005	-9.394100371	2.845778403	-4.300283348	1.4692228	0.3907044	1.3876787	0.609517	5.5768183
5835000000	2.827433388	-0.733038286	2.804506047	-9.44008754	2.296178719	-4.483433293	1.3811092	0.3372839	1.3025936	0.5967993	5.1482577
5835000000	2.827433388	-0.680678408	2.470008938	-7.133548328	1.68830161	-3.404676187	1.3289249	0.4398862	1.2145491	0.6757191	5.2467399
5835000000	2.827433388	-0.628318531	2.16946073	-5.11823178	1.318620063	-2.391709167	1.2837281	0.5548925	1.1639411	0.759302	5.4874611
5835000000	2.827433388	-0.575958653	1.684492497	-3.973987835	1.267838695	-2.338616143	1.2140166	0.6328497	1.1571561	0.7639575	5.5015176
5835000000	2.827433388	-0.523598776	1.177570429	-3.284365199	1.272938348	-2.928483276	1.1451926	0.6851438	1.157835	0.7317988	5.3480586
5835000000	2.827433388	-0.471238898	1.049734949	-2.572103303	1.033963234	-2.933935243	1.1284615	0.743695	1.1264143	0.7133509	5.3173763
5835000000	2.827433388	-0.41887902	1.290653278	-1.746490764	-0.847047298	-1.887314374	1.1601995	0.8178534	1.0576753	0.8047005	5.6669942
5835000000	2.827433388	-0.366519143	1.480927662	-1.05589619	-0.156959368	-0.854604648	1.1858954	0.8855339	0.9820917	0.9062954	5.932901
5835000000	2.827433388	-0.314159265	1.327260361	-0.702190567	-0.562781145	-0.592134593	1.1650995	0.9223388	0.9372619	0.9340998	5.9306712
5835000000	2.827433388	-0.261799388	0.798004127	-0.636685902	-0.5936005	-1.11758518	1.0962263	0.9293209	0.9339422	0.8792669	5.6632109
5835000000	2.827433388	-0.20439591	0.047414692	-0.579258823	-0.432987806	-1.622882511	1.0054737	0.9354855	0.9513725	0.8925754	5.3947109
5835000000	2.827433388	-0.157079633	-0.645374234	-0.288959844	-0.33204343	-1.061123859	0.9283918	0.9672796	0.9624945	0.8850011	5.4441841
5835000000	2.827433388	-0.104719755	-0.941133362	0.128241282	-0.419691355	-0.073906846	0.8973117	1.0148739	0.95283	0.9915273	5.7033633
5835000000	2.827433388	-0.052598978	-0.698987795	0.400139831	-0.725284503	0.365945952	0.9226789	1.0437454	0.9198897	1.0430312	5.8733165
5835000000	2.827433388	-4.44E-16	-0.187012719	0.41032676	-1.242996544	0.470273943	0.9786995	1.0487342	0.8666628	1.0556348	5.9099595
5835000000	2.827433388	0.052359878	0.239519699	0.194106603	-1.909424861	0.958667229	1.0279595	1.0225899	0.8026547	1.1166919	5.9500223
5835000000	2.827433388	0.104719755	0.456738652	-0.209242875	-2.504924875	1.562514061	1.0539911	0.9761979	0.7494691	1.197087	5.9699549
5835000000	2.827433388	0.157079633	0.528611212	-0.740331502	-2.683571608	1.47541749	1.0627486	0.9182975	0.7342119	1.1851433	5.8015862
5835000000	2.827433388	0.20943951	0.530607569	-1.15235055	-2.322632947	0.679853647	1.0629929	0.8757547	0.7653646	1.0814157	5.5419292
5835000000	2.827433388	0.261799388	0.491258103	-1.174066087	-1.701424061	0.220929506	1.0581882	0.873568	0.8221079	1.0257617	5.5283759
5835000000	2.827433388	0.314159265	0.469624784	-1.023312831	-1.150669091	0.618364401	1.0555559	0.888862	0.8759302	1.0737872	5.7876209
5835000000	2.827433388	0.366519143	0.550126535	-1.225354659	-0.792023323	0.767871427	1.0653844	0.8684249	0.9128488	1.0942999	5.8873136
5835000000	2.827433388	0.41887902	0.739856723	-2.030885132	-0.567522106	0.002465611	1.0889121	0.7915088	0.9367504	1.0020839	5.6148792
5835000000	2.827433388	0.471238898	0.946108455	-3.209157403	-0.362047248	-1.195861035	1.1150785	0.6910202	0.9591745	0.8713787	5.19363
5835000000	2.827433388	0.523598776	1.041049238	-4.14922921	-1.173625464	-1.713625464	1.1273336	0.6202097	0.9867067	0.8209538	4.9966029
5835000000	2.827433388	0.575958653	0.981717829	-4.370423179	0.153136561	-1.673521068	1.1196593	0.6046149	1.0177868	0.8247531	5.0250096
5835000000	2.827433388	0.628318531	0.94								

5835000000	2.879793266	-2.984513021	-16.63718759	-25.23154407	-13.3321702	-8.246135186	0.1472789	0.0547549	0.2154723	0.3869842	-7.910183
5835000000	2.879793266	-2.932153143	-13.96617791	-21.75211874	-11.57355586	-6.933582504	0.2003047	0.0817324	0.2638288	0.4501123	-6.055604
5835000000	2.879793266	-2.879793266	-13.05375742	-17.51010511	-10.2021249	-6.579659217	0.2224908	0.1331971	0.308954	0.4688318	-4.932371
5835000000	2.879793266	-2.827433388	-13.92415446	-15.44674074	-9.196435638	-6.687512706	0.2012761	0.168913	0.3468792	0.4630462	-4.582117
5835000000	2.879793266	-2.775073511	-16.05196535	-15.51653722	-9.055177927	-6.982960416	0.157544	0.1675611	0.3525665	0.4475607	-4.995756
5835000000	2.879793266	-2.722713633	-16.0359184	-17.25021946	-9.759816193	-7.760151482	0.1578353	0.1372426	0.3250942	0.4092355	-5.768701
5835000000	2.879793266	-2.670353756	-17.03222624	-10.5146253	-9.036739447	-6.986739447	0.2161153	0.1407206	0.298036	0.3533158	-5.949686
5835000000	2.879793266	-2.71993878	-10.72853673	-12.70668196	-10.98597836	-9.22338815	0.2907858	0.2315613	0.2822936	0.3458045	-4.803282
5835000000	2.879793266	-2.565634	-8.617265375	-9.1708063	-11.95653454	-7.568418699	0.3707974	0.3479042	0.2524488	0.4833879	-3.16319
5835000000	2.879793266	-2.513274123	-7.264654904	-7.375762718	-13.29227773	-5.776514724	0.4332786	0.4277715	0.2164642	0.51425	-1.983025
5835000000	2.879793266	-2.460914245	-6.996271849	-7.238137843	-12.95499982	-4.483935344	0.4468754	0.4346034	0.225035	0.5967648	-1.394886
5835000000	2.879793266	-2.408554368	-7.847458229	-8.640159545	-10.44504166	-3.626206336	0.4051605	0.3698214	0.3004332	0.6587031	-1.239026
5835000000	2.879793266	-2.35619449	-9.35966486	-10.58653838	-7.396360331	-3.158655641	0.3404213	0.2955787	0.4267583	0.6951319	-1.120765
5835000000	2.879793266	-2.30384613	-10.12765839	-8.877725154	-4.959487731	-3.054218498	0.3116141	0.3207109	0.5649703	0.7035405	-0.441708
5835000000	2.879793266	-2.251474735	-9.764870344	-7.406806836	-3.636674119	-3.284249538	0.3249051	0.4262454	0.6579097	0.6851529	-0.3998174
5835000000	2.879793266	-2.199114858	-9.712710405	-5.80333771	-3.457273493	-3.82522537	0.326862	0.5126646	0.6716396	0.6437819	0.6481364
5835000000	2.879793266	-2.14675498	-9.735862494	-5.433192364	-4.028620762	-4.321452401	0.3259919	0.5349835	0.6288817	0.6080333	0.4150563
5835000000	2.879793266	-2.094395102	-8.418839458	-6.159802474	-4.418530002	-3.959281227	0.3793657	0.4920507	0.6012755	0.6339222	0.5410996
5835000000	2.879793266	-2.042035225	-6.691031744	-7.726019634	-3.884629984	-2.821211169	0.4628587	0.4108649	0.6393939	0.7226669	0.9680067
5835000000	2.879793266	-1.989675347	-5.835500067	-9.410527613	-2.93667017	-1.920907291	0.5107695	0.3384337	0.7131263	0.8015943	1.4520699
5835000000	2.879793266	-1.93731547	-6.122791235	-9.75327491	-2.269884617	-1.754032326	0.4941519	0.3253296	0.7700267	0.8171436	1.6076652
5835000000	2.879793266	-1.884955592	-7.276851839	-8.450775761	-2.003207368	-1.227038763	0.4326706	0.3779734	0.794035	0.782795	1.5381731
5835000000	2.879793266	-1.832595715	-7.70633827	-6.820405507	-1.91062922	-2.364047596	0.4117969	0.4601556	0.8025434	0.761724	1.698957
5835000000	2.879793266	-1.780235837	-6.251723284	-5.662115483	-1.744153648	-2.033424107	0.4868709	0.5210678	0.8180735	0.7912775	2.3364539
5835000000	2.879793266	-1.72787596	-4.871964176	-5.195707587	-1.442185787	-1.591793143	0.570692	0.5498125	0.8470143	0.83255	2.9227743
5835000000	2.879793266	-1.675516082	-4.384224709	-5.385510349	-1.090024258	-1.569319103	0.6036549	0.5392884	0.8820613	0.834707	3.1011733
5835000000	2.879793266	-1.623156204	-3.983127292	-5.874384554	-0.791436448	-1.956094408	0.6321842	0.5084881	0.9129105	0.7983536	3.0821966
5835000000	2.879793266	-1.570796327	-2.721442963	-5.812902494	-0.61867649	-2.307575361	0.7301176	0.5121362	0.9312498	0.7666629	3.3495845
5835000000	2.879793266	-1.518436449	-1.050010402	-4.64217964	-0.600020195	-2.189497273	0.8861342	0.5899111	0.9335251	0.7771863	4.0349422
5835000000	2.879793266	-1.466076572	0.128593876	-3.063687659	-0.707736608	-1.672797528	1.0149151	0.7027397	0.92175	0.8248218	4.7716116
5835000000	2.879793266	-1.413716694	0.577217799	-1.895765674	-0.846093638	-1.219655092	1.0687125	0.8039179	0.9071839	0.8689949	5.2224233
5835000000	2.879793266	-1.361356817	0.717864865	-1.406810249	-0.865067759	-1.192360265	1.0861586	0.850471	0.95052043	0.87173	5.375218
5835000000	2.879793266	-1.308996939	1.272943056	-1.520302888	-0.630001506	-1.583923049	1.1578363	0.8394307	0.9300364	0.8333047	5.4845616
5835000000	2.879793266	-1.256637061	2.405912104	-1.996127516	-0.105499922	-2.018266691	1.3191543	0.7946825	0.9879274	0.7852595	5.788264
5835000000	2.879793266	-1.204277184	3.539579493	-2.67589147	-0.616386469	-2.024073789	1.5030692	0.7389593	1.0735427	0.7921297	5.6231765
5835000000	2.879793266	-1.151917306	4.157386001	-3.484606816	1.366089989	-1.580075336	1.6138728	0.6695294	1.1703197	0.833674	6.6232717
5835000000	2.879793266	-1.099557429	4.178255438	-4.92174827	1.996475234	-1.221880107	1.6177551	0.5674304	1.2584146	0.8867724	6.7372554
5835000000	2.879793266	-1.047919751	3.912684957	-7.243690661	2.453911206	-1.414273051	1.5690408	0.4343256	1.3264643	0.8497406	6.4020349
5835000000	2.879793266	-0.994837674	3.8154625	-9.617236791	2.771056793	-2.078915657	1.5515763	0.3304747	1.3757922	0.7871441	6.117743
5835000000	2.879793266	-0.942477796	4.00720225	-9.408118644	2.990596144	-2.637634153	1.5862079	0.3855276	1.4110091	0.7381052	6.1795004
5835000000	2.879793266	-0.890117919	4.151860811	-8.109184208	3.082885236	-2.830251765	1.6128465	0.3931342	1.4260812	0.7219172	6.3486863
5835000000	2.879793266	-0.837758041	3.922191931	-8.111935133	2.955052125	-3.1678677291	1.5707591	0.3930097	1.4052468	0.6943303	6.1570761
5835000000	2.879793266	-0.785398163	3.328093754	-9.486385569	2.554355426	-3.909587896	1.4669141	0.3354909	1.3420595	0.6735753	5.5338853
5835000000	2.879793266	-0.733038286	2.654117394	-10.09497605	1.979878271	-4.179638316	1.3573938	0.3217888	1.2560124	0.6180421	4.9698555
5835000000	2.879793266	-0.680678408	2.128129415	-8.007750358	1.490713794	-3.249868914	1.277634	0.3977521	1.1872323	0.6887038	4.9851627
5835000000	2.879793266	-0.628318531	1.704051623	-5.633677184	1.330884613	-2.307672336	1.2167534	0.5227766	1.1655858	0.7667684	5.2769799
5835000000	2.879793266	-0.575958653	1.293372153	-4.005401336	1.42655432	-2.272190608	1.1605627	0.6305651	1.1784949	0.7698223	5.4355341
5835000000	2.879793266	-0.523598776	1.033856247	-2.902854427	1.447129393	-2.788882228	1.1264004	0.7159081	1.1812898	0.7718862	5.4402792
5835000000	2.879793266	-0.471238898	1.097174455	-2.054411631	1.154187844	-2.989254637	1.1346417	0.7893678	1.140931	0.7808221	5.5148917
5835000000	2.879793266	-0.41887902	1.33763047	-1.388806274	1.046041684	-2.079800296	1.1664914	0.8522356	1.0637023	0.7870639	5.7324817
5835000000	2.879793266	-0.366519143	1.457008619	-0.955607757	-0.107470602	-1.075259828	1.1826342	0.8958176	0.9877032	0.883562	5.9107197
5835000000	2.879793266	-0.314159265	1.278594628	-0.771251467	-0.456671689	-0.731797553	1.1585899	0.9150344	0.948782	0.9192002	5.8928653
5835000000	2.879793266	-0.261793988	0.775481026	-0.730060484	-0.451863258	-1.122496046	1.0938374	0.9193841	0.9493073	0.87877	5.6679441
5835000000	2.879793266	-0.20943951	0.060738719	-0.618080532	-0.3203558	-1.543451085	1.0070173	0.9313132	0.9637918	0.8371966	5.4352501
5835000000	2.879793266	-0.157079633	-0.608333824	-0.299368909	-0.286856825	-1.015017706	0.9323593	0.9661211	0.9675138	0.8897113	5.4732306
5835000000	2.879793266	-0.104719755	-0.898515396	0.106075605	-0.434409788	-0.06466971	0.9017252	1.0122873	0.9512168	0.9925823	5.7062204
5835000000	2.879793266	-0.052359878	-0.674539935	0.375097925	-0.758174564	0.367802942	0.9252796	1.0442284	0.9164131	1.0432542	5.8654281
5835000000	2.879793266	-4.44E-16	-0.187012801	0.410326722	-1.242996642	0.470274054	0.9786995	1.0483742	0.8666628	1.0556348	5.9099595
5835000000	2.879793266	0.052359878	0.23762825	0.21792173	-1.844382931	0.974091233	1.0277356	1.0254066	0.8086877	1.1186766	5.9781669
5835000000	2.879793266	0.104719755	0.487337384	0.191157329	-2.385457098	1.605693053	1.0577106	1.0872326	0.7598487	1.2030527	6.0180907
5835000000	2.879793266	0.157079633	0.609498895	0.748404706	-2.58534686	1.52299584	1.0726918	0.9174440	0.7448576	1.1916529	5.8598368
5835000000	2.879793266	0.20943951	0.641478343	-1.160032675	-2.216280623	0.961667357	1.0766484	0.8749805	0.7747935	1.0828876	5.963264
5835000000	2.879793266	0.261799388	0.579437861	-1.14160498	-1.581803429	0.221149295	1.0689857	0.8768388	0.8335081	1.0257876	5.5867678
5835000000	2.879793266	0.314159265	0.48585416	-0.974503833	-0.731371577	0.715429594	1.05753	0.8938709	0.893582	1.0858541	5.869101
5835000000	2.879793266	0.366519143	0.493306087	-1.224503644	-0.555240784	0.996620471	1.0584377	0.86831	0.9380759	1.121582	5.9194654
5835000000	2.879793266	0.41887902	0.651679681	-2.120935222	-0.298439184	0.337744686	1.0779137	0.7833453	0.9662245	1.0396502	5.7271837
5835000000	2.879793266	0.471238898	0.852319364	-3.349530087	-0.123952734	-0.826840626	1.1031028	0.6800228	0.9858308	0.9091969	5.2919966
5835000000	2.879793266	0.523598776	0.925613849</								

5835000000	2.932153143	-3.089232776	-22.26650362	-23.82765904	-19.86298576	-16.52570828	0.0770326	0.0643602	0.1015899	0.1491814	-14.15124
5835000000	2.932153143	-3.036872899	-20.147778182	-24.93641489	-16.45243914	-11.04889572	0.098313	0.0566473	0.1504451	0.2802562	-10.66767
5835000000	2.932153143	-2.984513021	-16.17925217	-27.54036437	-13.60784412	-8.306890505	0.1552521	0.0419741	0.208741	0.3842868	-8.065266
5835000000	2.932153143	-2.932153143	-13.59271973	-23.47351625	-11.92460407	-7.138168103	0.2091048	0.0670385	0.2533785	0.4396343	-6.292725
5835000000	2.932153143	-2.879793266	-12.75961347	-17.42939016	-10.67875316	-6.914180613	0.2301544	0.134442	0.2924572	0.4511188	-5.128453
5835000000	2.932153143	-2.827433388	-13.62077102	-14.7453998	-9.76056171	-7.079649027	0.2084306	0.1831176	0.3250663	0.4426063	-4.737277
5835000000	2.932153143	-2.775073511	-16.11780856	-14.74706034	-9.660129148	-7.365841274	0.1563542	0.1830826	0.3288467	0.4282604	-5.220079
5835000000	2.932153143	-2.722713633	-17.67165431	-17.06505492	-10.36180228	-8.025043702	0.1307427	0.1401998	0.3033262	0.396961	-6.274162
5835000000	2.932153143	-2.670353756	-14.3870624	-17.47583232	-10.96398969	-8.72459264	0.1908301	0.1337237	0.2830092	0.3662439	-6.251143
5835000000	2.932153143	-2.617993878	-10.7996854	-12.61149594	-11.19032211	-8.076772552	0.2884136	0.2341128	0.2757299	0.3946039	-4.488809
5835000000	2.932153143	-2.565634	-8.450075355	-8.860763428	-12.13860218	-6.408001155	0.3780039	0.365047	0.2472122	0.471894	-2.710061
5835000000	2.932153143	-2.513274123	-7.332092257	-6.843461567	-13.99298647	-4.915773474	0.4299277	0.4548068	0.1996874	0.5678208	-1.659123
5835000000	2.932153143	-2.460914245	-7.246759838	-6.247955752	-14.07955461	-3.807407069	0.4341722	0.4870821	0.1977071	0.6451039	-1.093037
5835000000	2.932153143	-2.408554368	-7.731288662	-6.831213843	-11.18931988	-3.113335979	0.4106157	0.4554485	0.2757617	0.6987683	-0.721438
5835000000	2.932153143	-2.35619449	-8.08426626	-8.051545863	-7.948713139	-2.996582395	0.3942636	0.3957516	0.4004648	0.7082244	-0.451453
5835000000	2.932153143	-2.30384613	-8.015911163	-8.549037249	-5.454005511	-3.455994239	0.3973786	0.3737215	0.5337031	0.6717386	-0.10248
5835000000	2.932153143	-2.251474735	-8.20093722	-7.645333096	-4.025174837	-4.159829456	0.3890032	0.4166993	0.6291313	0.6194532	0.224162
5835000000	2.932153143	-2.199114858	-8.971444608	-6.622612334	-6.371983902	-4.670955456	0.3559818	0.4665191	0.6552406	0.584053	0.2643072
5835000000	2.932153143	-2.14675498	-8.933959792	-6.380629992	-4.081730423	-4.748252261	0.3575214	0.4796987	0.6250482	0.5788785	0.1768842
5835000000	2.932153143	-2.094395102	-7.585638586	-7.051968174	-4.498549087	-4.311573727	0.4175592	0.444019	0.5957617	0.6087252	0.2822803
5835000000	2.932153143	-2.042035225	-6.66909565	-8.35764415	-4.182057484	-3.605056806	0.4640291	0.3820479	0.61787	0.6030089	0.5235368
5835000000	2.932153143	-1.989675347	-6.786854263	-8.413694249	-3.871394787	-3.138527191	0.4577805	0.3831034	0.6747304	0.6967446	0.6988462
5835000000	2.932153143	-1.93731547	-7.645807751	-9.031419964	-2.479003134	-3.194713572	0.4146767	0.3535322	0.7183813	0.6922522	0.7439161
5835000000	2.932153143	-1.884955592	-8.411411716	-7.486964374	-2.706708502	-3.572738669	0.3796902	0.4223299	0.7327588	0.6627703	0.8161956
5835000000	2.932153143	-1.832595715	-7.864607164	-5.892552296	-2.675895722	-3.642933089	0.4043614	0.5074256	0.734861	0.6574358	1.2293654
5835000000	2.932153143	-1.780235837	-6.450439113	-4.7981553	-2.512606589	-3.119354816	0.4758587	0.5755622	0.7488066	0.6982843	1.9330281
5835000000	2.932153143	-1.72787596	-5.294359694	-4.358977852	-1.26293012	-2.515980204	0.5436032	0.6054121	0.7795671	0.7845158	2.5326863
5835000000	2.932153143	-1.675516082	-4.422068091	-4.553382889	-1.716596297	-2.254144556	0.6010306	0.5920125	0.8206731	0.7714233	2.8763391
5835000000	2.932153143	-1.623156204	-3.419070357	-5.141158476	-1.277987347	-2.248469435	0.6746002	0.5532763	0.8631785	0.7719275	3.1157743
5835000000	2.932153143	-1.570796327	-2.199505622	-5.51088852	-0.922690831	-2.17580804	0.7762913	0.5302194	0.899219	0.7783429	3.4758757
5835000000	2.932153143	-1.518436449	-1.04522617	-5.026196962	-0.689025974	-1.846398944	0.8866224	0.5606478	0.9237378	0.8085001	4.0265982
5835000000	2.932153143	-1.466076572	-0.208457028	-3.952393859	-0.582912399	-1.36865316	0.9762862	0.634425	0.9350921	0.8542153	4.6090259
5835000000	2.932153143	-1.413716694	0.347589665	-0.209952947	-0.552699006	-1.047652484	1.0408292	0.7055087	0.9383504	0.8863747	5.0353505
5835000000	2.932153143	-1.361336817	0.899087718	-2.615114292	-0.4783032842	-1.116736945	1.1090583	0.7400214	0.9483831	0.8793528	5.2888372
5835000000	2.932153143	-1.309969399	1.673736682	-2.663646069	-0.141219657	-1.553147717	1.2125142	0.7358981	0.9838729	0.8362625	5.5028805
5835000000	2.932153143	-1.256637061	2.627815942	-2.949778943	0.46181242	-2.07107534	1.3532898	0.7120509	1.0546069	0.7878549	5.8180522
5835000000	2.932153143	-1.204277184	3.478569373	-3.359204237	1.230809468	-2.57556161	1.4925486	0.6792659	1.1522334	0.7695236	6.2214475
5835000000	2.932153143	-1.151917306	3.941619804	-4.13632893	1.954995723	-2.070098278	1.5742764	0.6211315	1.2524194	0.7879435	6.5180492
5835000000	2.932153143	-1.099557429	3.978739746	-5.865775735	-2.475875041	-1.898401084	1.5810186	0.5089923	1.3298227	0.8036741	6.4928659
5835000000	2.932153143	-1.047197551	3.842642867	-9.50822263	2.762311715	-2.207977434	1.5564391	0.3346485	1.3744077	0.7755345	6.1092413
5835000000	2.932153143	-0.994837774	3.853211179	-16.20614584	2.885697873	-2.870929217	1.558334	0.1547721	1.394071	0.7185443	5.633667
5835000000	2.932153143	-0.942477796	4.049007821	-13.83113408	9.25417436	-3.219529795	1.5938608	0.2034433	1.4004605	0.6902772	5.7740185
5835000000	2.932153143	-0.890117919	4.156333938	-9.425545152	2.477746604	-3.07947468	1.6136773	0.3378491	1.3923193	0.7014977	6.1185079
5835000000	2.932153143	-0.837758041	3.912199162	-8.216402362	2.655149631	-3.124837475	1.5689531	0.3883112	1.3575551	0.6978436	6.0480395
5835000000	2.932153143	-0.785398163	3.302370193	-8.924651672	2.34884732	-3.648498958	1.4625762	0.3579047	1.2939701	0.6570146	5.5096033
5835000000	2.932153143	-0.733038286	2.541803563	-9.737927019	1.752810092	-3.861211708	1.3399549	0.3291945	1.2236029	0.6411201	4.9363518
5835000000	2.932153143	-0.680678408	1.870885491	-8.355898957	1.444119028	-3.059988485	1.2403501	0.3821246	1.1808805	0.7030733	4.8766998
5835000000	2.932153143	-0.628318531	1.398562573	-5.964267076	1.440226056	-2.224559669	1.1747031	0.5032533	1.1803514	0.7740553	5.1831853
5835000000	2.932153143	-0.575958653	1.158289134	-3.986483929	1.56930577	-2.204365677	1.1426532	0.6319399	1.1980544	0.7758571	5.4565611
5835000000	2.932153143	-0.523598776	1.168396989	-2.551006054	1.528320277	-2.180846852	1.1439801	0.7455035	1.1923837	0.7702352	5.5931164
5835000000	2.932153143	-0.471238898	1.34490059	-1.571488015	1.147127476	-2.964257595	1.1674681	0.8344988	1.1411858	0.710865	5.6976738
5835000000	2.932153143	-0.41887902	1.503144501	-1.006366267	0.508077062	-2.234197093	1.1889326	0.8905979	1.0602392	0.773197	5.8295231
5835000000	2.932153143	-0.366519143	1.501214583	-0.792792429	-0.085726808	-1.309458661	1.1886684	0.9127679	0.9901789	0.8600567	5.9150177
5835000000	2.932153143	-0.314159265	1.268500911	-0.788586482	-0.35144595	-0.903940116	1.1572443	0.91231	0.9603459	0.9011623	5.8715875
5835000000	2.932153143	-0.261799388	0.774717603	-0.795099597	-0.31481222	-1.152591262	1.0932913	0.9125255	0.9644049	0.8757304	5.6794774
5835000000	2.932153143	-0.20943951	0.088757537	-0.642771684	-0.219700853	-1.464735749	1.102071	0.92867	0.9750232	0.8448181	5.4803435
5835000000	2.932153143	-0.157079633	-0.559005662	-0.302271839	-0.252067039	-0.953326822	0.9376693	0.9657082	0.9713968	0.8960529	5.5083401
5835000000	2.932153143	-0.104719755	-0.848170987	0.087361953	-0.453893785	-0.046304078	0.9069669	1.0101987	0.9490854	0.9946832	5.7130458
5835000000	2.932153143	-0.052359878	-0.647686394	0.352338583	-0.792349527	0.371427641	0.9281447	1.0413985	0.9128145	1.0346897	5.8585106
5835000000	2.932153143	-4.44E-16	-0.187012512	0.41032644	-1.242996727	0.470273647	0.9786995	1.0483742	0.8666629	1.0556348	5.9099595
5835000000	2.932153143	0.052359878	0.234029362	0.242838905	-1.77577866	0.98826184	1.0273099	1.0283524	0.8151003	1.1205032	6.001613
5835000000	2.932153143	0.104719755	0.511769377	-0.16783872	-2.252198607	1.646538511	1.06069	0.9088623	0.7715962	1.2087234	6.0679648
5835000000	2.932153143	0.157079633	0.677793618	-0.743026984	-2.05156986	1.571399312	1.0811593	0.9180126	0.7581273	1.1983122	5.9236724
5835000000	2.932153143	0.20943951	0.737885172	-1.146119471	-2.470532645	0.709269783	1.088665	0.8763832	0.787467	1.0850843	5.660593
5835000000	2.932153143	0.261799388	0.659494845	-1.087181908	-1.346558815	0.220069913	1.078884	0.88235	0.8475603	1.0256602	5.6534718
5835000000	2.932153143	0.314159265	0.497443048	-0.905595797	-0.799037055	0.796807527	1.0589419	0.9009095	0.912112	1.0960753	5.9510953
5835000000	2.932153143	0.366519143	0.415140756	-1.192851176	-0.39222196	1.207588561	1.0489554	0.8716807	0.9616984	1.1491572	6.0887155
5835000000	2.932153143	0.41887902	0.50859656								

5835000000	2.932153143	3.141592654	-21.9153435	-22.79366701	-20.12385996	-23.55774216	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	2.984513021	-3.141592654	-21.91534327	-22.79366688	-20.12386028	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	2.984513021	-3.089232776	-22.4372449	-24.12854083	-20.06278811	-16.43083873	0.0755332	0.0621689	0.0992797	0.1508197	-14.24841
5835000000	2.984513021	-3.036872899	-19.80844909	-25.26628597	-16.76258987	-11.01966652	0.1022298	0.0545363	0.1451679	0.2812009	-10.70522
5835000000	2.984513021	-2.984513021	-15.7572593	-30.41962355	-13.93823275	-8.384958665	0.162981	0.0301314	0.2009502	0.3808483	-8.235655
5835000000	2.984513021	-2.932153143	-13.33456453	-24.04098799	-12.33026075	-7.34183154	0.2154129	0.0602491	0.2418171	0.4294459	-6.494288
5835000000	2.984513021	-2.879793266	-12.64210463	-16.80177869	-11.24543161	-7.221076269	0.3232893	0.1445144	0.273986	0.4354579	-5.294031
5835000000	2.984513021	-2.874333388	-13.48679039	-13.79227731	-10.46342318	-7.414887937	0.2116706	0.2043554	0.2997981	0.425849	-4.869765
5835000000	2.984513021	-2.77073511	-15.84747623	-13.75296347	-10.41174539	-7.627847663	0.161297	0.2052825	0.3015871	0.4151535	-5.324206
5835000000	2.984513021	-2.722713633	-17.83534695	-16.59300819	-11.02632095	-8.032345876	0.1283018	0.1480299	0.2809855	0.3966274	-6.430136
5835000000	2.984513021	-2.670353756	-14.70319196	-18.88445257	-11.25024617	-8.13855607	0.1840096	0.1137044	0.2738342	0.391807	-6.344871
5835000000	2.984513021	-2.617993878	-11.07521467	-13.41458351	-10.94485967	-7.066916066	0.2794083	0.2134375	0.2836332	0.4432556	-4.295293
5835000000	2.984513021	-2.565634	-9.045959544	-9.297475103	-11.44807652	-5.523869322	0.3529409	0.3428674	0.2676678	0.5294275	-2.539964
5835000000	2.984513021	-2.513274123	-8.310592802	-7.114907138	-13.17867473	-4.265708851	0.384123	0.4408133	0.219314	0.6119481	-1.638533
5835000000	2.984513021	-2.460914245	-8.134415663	-6.301860782	-14.01278984	-3.330863866	0.3919938	0.4840687	0.1992326	0.6814858	-1.126248
5835000000	2.984513021	-2.405543368	-7.7320735	-6.568602789	-11.62743517	-2.848274243	0.4105786	0.4694289	0.2621968	0.7204209	-0.61809
5835000000	2.984513021	-2.35619449	-7.1310076	-7.614618267	-8.506898575	-3.129372084	0.4399969	0.4161684	0.3755355	0.6974794	-0.313144
5835000000	2.984513021	-2.303834613	-6.952498786	-8.762531018	-6.052033068	-4.205798947	0.4491331	0.3646477	0.4981938	0.6161835	-0.317747
5835000000	2.984513021	-2.251474735	-7.616136913	-9.112026217	-4.542464937	-5.352123855	0.4160956	0.502666	0.5927571	0.5400001	-0.449555
5835000000	2.984513021	-2.199114858	-8.601370036	-8.835655713	-3.993919489	-5.518344958	0.3714766	0.3615907	0.6313992	0.5297644	-0.471942
5835000000	2.984513021	-2.14675498	-8.318644357	-8.824389392	-4.158007855	-5.038286625	0.3837671	0.36206	0.6195832	0.559868	-0.33073
5835000000	2.984513021	-2.094395102	-7.465136339	-9.373157034	-4.110294777	-4.68012142	0.4233925	0.3398929	0.6017208	0.5834369	-0.226845
5835000000	2.984513021	-2.042035225	-7.617683884	-9.970698678	-4.110447991	-4.52587638	0.4160215	0.3172963	0.622985	0.5938902	-0.219048
5835000000	2.984513021	-1.989675347	-8.598037588	-9.662756876	-3.34403972	-4.494824691	0.3716192	0.3287473	0.6734104	0.5960172	-0.132184
5835000000	2.984513021	-1.93731547	-9.132891704	-8.334944674	-2.970425947	-4.649426206	0.3494262	0.3830476	0.7103603	0.5855092	-0.122292
5835000000	2.984513021	-1.884955592	-8.622939766	-6.72680919	-2.884221554	-4.899646358	0.3705553	0.4605961	0.7174455	0.5688761	-0.0497241
5835000000	2.984513021	-1.832595715	-7.716388332	-5.337453788	-2.954260858	-4.76901875	0.4113207	0.5409129	0.7116836	0.5774961	-0.9898389
5835000000	2.984513021	-1.780235837	-6.798056692	-4.361166308	-2.917740903	-4.007480393	0.4571905	0.6052596	0.7146822	0.6304142	-1.6108935
5835000000	2.984513021	-1.72787596	-5.66747396	-3.875885141	-2.689689582	-3.06790257	0.5207464	0.640388	0.7336949	0.704744	-2.6686843
5835000000	2.984513021	-1.675516082	-4.382734688	-3.870456597	-2.315499258	-2.367503814	0.6037585	0.6404381	0.7659934	0.7614209	-2.8304455
5835000000	2.984513021	-1.623156204	-3.314640227	-4.188480518	-1.868411072	-1.952252914	0.6827599	0.6174133	0.8064537	0.7987067	-3.2432303
5835000000	2.984513021	-1.570796327	-2.530963827	-4.483633453	-1.40000406	-1.684765213	0.7472257	0.5967856	0.851138	0.8236861	-3.5761888
5835000000	2.984513021	-1.518436449	-1.797291304	-4.397390959	-0.95575232	-1.408187391	0.813084	0.6042706	0.8958027	0.8503361	-3.9785372
5835000000	2.984513021	-1.460765752	-0.873973732	-3.95098788	-0.602843782	-1.083227097	0.9042766	0.6352577	0.9329488	0.8827519	-4.4919651
5835000000	2.984513021	-1.413716694	0.167727177	-3.487355742	-0.356878407	-0.857381845	1.019498	0.6693176	0.9597455	0.9060057	-4.9951333
5835000000	2.984513021	-1.361356817	1.045877355	-3.225016178	-0.103993927	-0.918420538	1.1279604	0.6898413	0.9882004	0.9896612	-5.3567193
5835000000	2.984513021	-1.308996939	1.692232897	-3.100429712	0.331172186	-1.323909847	1.2150989	0.6998074	1.0388638	0.8586269	-5.6033626
5835000000	2.984513021	-1.256637061	2.277850068	-2.964035534	0.997791961	-1.949708986	1.2998478	0.7108832	1.1217333	0.7999407	-5.8703556
5835000000	2.984513021	-1.204277184	2.872936828	-2.906243721	1.752214704	-2.492779008	1.3920244	0.7156288	1.223519	0.7505179	-6.1962007
5835000000	2.984513021	-1.151917306	3.337200282	-3.328101443	2.371952212	-2.719950447	1.4684529	0.6817026	1.3140068	0.7311433	-6.4346719
5835000000	2.984513021	-1.099557429	3.567474412	-4.802820328	2.718688939	-2.883976737	1.5079041	0.5752531	1.3675232	0.7174657	-6.378257
5835000000	2.984513021	-1.047197551	3.64725704	-8.221802598	2.804894246	-3.400208516	1.5218185	0.3880698	1.3811623	0.6760667	-5.948901
5835000000	2.984513021	-0.994837674	3.751045604	-15.86672539	2.754842568	-4.105745273	1.5401119	0.1609399	1.3732264	0.6233224	-5.3378
5835000000	2.984513021	-0.942477796	3.932971821	-16.02098518	2.686378613	-4.205637389	1.5727098	0.1581069	1.3624448	0.6611949	-5.3656056
5835000000	2.984513021	-0.890117919	4.033310414	-9.774459294	2.599845331	-3.645132213	1.5909829	0.3245466	1.3489389	0.6527694	-5.848971
5835000000	2.984513021	-0.837135051	3.837133055	-7.831574937	2.40977536	-3.319777931	1.5554521	0.4059021	1.3197412	0.6823561	-5.9408711
5835000000	2.984513021	-0.785398163	3.280711741	-7.997670774	2.089076729	-3.543220732	1.4589338	0.3982139	1.2719025	0.6650265	-5.5152225
5835000000	2.984513021	-0.733038286	2.507673498	-8.807338431	1.752956865	-3.605847137	1.3347	0.3627714	1.2236236	0.6602488	-5.0603206
5835000000	2.984513021	-0.680678408	1.788323915	-8.23920593	1.575925709	-2.894666996	1.2286161	0.3872929	1.1989368	0.7165832	-4.9384097
5835000000	2.984513021	-0.628318531	1.379040072	-6.151714428	1.594902386	-2.171495151	1.1720658	0.4925091	1.2015591	0.7787987	-5.2131905
5835000000	2.984513021	-0.575958653	1.360392288	-3.970008065	1.638538202	-2.151612617	1.1695522	0.6331398	1.2076106	0.7805835	-5.5524147
5835000000	2.984513021	-0.523598776	1.566611767	-2.269584409	1.79742285	-2.648246374	1.1976518	0.7700353	1.1857336	0.737204	-5.7798271
5835000000	2.984513021	-0.471238898	1.744726119	-1.162158749	1.024554449	-2.855843824	1.224646	0.8747663	1.1249229	0.7179933	-5.8936162
5835000000	2.984513021	-0.41887902	1.75650175	-0.644249562	0.397098629	-2.322169178	1.2241231	0.928512	1.0467788	0.7654054	-5.9438621
5835000000	2.984513021	-0.366519143	1.60248051	-0.597298521	-0.095736572	-1.530420474	1.2026078	0.9335446	0.9890384	0.8384535	-5.9412937
5835000000	2.984513021	-0.314159265	1.294789434	-0.761249454	-0.1092058951	-1.092058951	1.1607521	0.9160887	0.9707662	0.8818547	-5.8660613
5835000000	2.984513021	-0.261799388	0.795063117	-0.829477825	-0.193498203	-1.199819833	1.0958552	0.9089209	0.977969	0.8709817	-5.6970185
5835000000	2.984513021	-0.20943951	0.130152179	-0.651548322	-0.13752526	-1.386986184	1.0150972	0.9277321	0.9842915	0.8524142	-5.5281675
5835000000	2.984513021	-0.15079633	-0.499128725	-0.297757153	-0.230307449	-0.878657892	0.9441556	0.9663004	0.9738333	0.9037891	-5.5477792
5835000000	2.984513021	-0.104719755	-0.791229849	0.071784092	-0.7883534	-0.019537359	0.9129322	1.0082987	0.9463642	0.9977532	-5.7231728
5835000000	2.984513021	-0.052359878	-0.618696725	0.32941243	-0.827837503	0.376747291	0.9312476	1.0386533	0.9090926	1.043291	-5.8524805
5835000000	2.984513021	-4.444-16	-0.18701258	0.410326668	-1.242996538	0.470273741	0.9786995	1.0483742	0.8666628	1.0556348	-5.9095995
5835000000	2.984513021	0.052359878	0.228678278	0.268863985	-1.704103283	1.001004466	1.0266772	1.0314382	0.8218543	1.1221482	-6.0251976
5835000000	2.984513021	0.104719755	0.138868223	-0.10494967	1.684477811	1.0629023	1.0629023	0.9841393	0.7845584	1.2140145	-6.1190902
5835000000	2.984513021	0.15079633	0.73344645	-0.723227344	-2.229165452	1.6198865	1.0881088	0.9201076	0.773645	1.2050202	-5.9209669
5835000000	2.984513021	0.20943951	0.820539961	-1.110572164	-0.1910221193	0.731589234	1.0990742	0.8799771	0.8025811	0.8878762	-5.7325164
5835000000	2.984513021	0.261799388	0.734838549	-0.103465305	-1.283208674	0.211644514	1.0882832	0.8898703	0.8626598	1.0246658	-5.7234667
5835000000	2.984513021	0.314159265	0.514850176	-0.8206							

5835000000	2.984513021	3.036872899	-16.11586591	-21.84345117	-18.18893044	-20.96330419	0.1563892	0.0808774	0.1231838	0.0895024	-12.957276
5835000000	2.984513021	3.089232776	-20.42766966	-23.35416598	-18.62466264	-21.21711018	0.0951955	0.067966	0.1171566	0.086925	-14.72153
5835000000	2.984513021	3.141592654	-21.91534327	-22.79366688	-20.12386028	-23.55774182	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	3.036872899	-3.141592654	-21.9153432	-22.79366739	-20.12385988	-23.55774194	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	3.036872899	-3.089232776	-22.55069532	-24.43929892	-20.28045563	-16.35166101	0.074553	0.0094964	0.0968227	0.1522008	-14.34392
5835000000	3.036872899	-3.036872899	-19.39291804	-25.53885655	-17.13027635	-11.00953079	0.1072393	0.0528515	0.139151	0.2815292	-10.7405
5835000000	3.036872899	-2.984513021	-15.36737922	-33.11201869	-14.32436605	-8.47488361	0.1704634	0.0221003	0.1922127	0.3769258	-8.384897
5835000000	3.036872899	-2.932153143	-13.18291084	-23.80510077	-12.7778097	-7.531821898	0.219207	0.0645275	0.2296728	0.4201544	-6.617739
5835000000	3.036872899	-2.879793266	-12.70605516	-15.8037729	-10.42702961	-7.478445309	0.231578	0.1621106	0.2548581	0.4227443	-5.422451
5835000000	3.036872899	-2.827433388	-13.53546819	-12.7090906	-11.2756142	-7.668164844	0.2104876	0.2314971	0.2730356	0.4136107	-4.96956
5835000000	3.036872899	-2.775073511	-15.31903543	-12.59005368	-11.26600982	-7.7555417	0.1714148	0.2346915	0.2733377	0.4094708	-5.280723
5835000000	3.036872899	-2.722713633	-16.52085527	-15.52594218	-11.65805057	-7.856469938	0.1492647	0.1673797	0.2612748	0.4047404	-6.172538
5835000000	3.036872899	-2.670353756	-14.48916939	-20.58731772	-11.30613753	-7.542880304	0.1885999	0.0934618	0.2720778	0.4196198	-6.251567
5835000000	3.036872899	-2.617993878	-11.874119957	-15.1177099	-10.39750833	-6.32342528	0.2548532	0.1754343	0.3020818	0.4828683	-4.327376
5835000000	3.036872899	-2.565634	-10.50531515	-10.498543	-10.35062004	-4.894269494	0.2983556	0.2985883	0.3037169	0.5692284	-2.674908
5835000000	3.036872899	-2.513274123	-9.825626718	-8.265366751	-11.52556556	-3.787093411	0.3226403	0.3861283	0.2652905	0.6466143	-1.826689
5835000000	3.036872899	-2.460914245	-8.625267716	-7.503659055	-12.4932272	-3.029267454	0.370456	0.4215189	0.2373223	0.7055643	-1.253503
5835000000	3.036872899	-2.408554368	-7.071995319	-7.834939844	-11.05298592	-2.821493049	0.4429964	0.4057448	0.2801242	0.7226456	-0.670073
5835000000	3.036872899	-2.35619449	-6.195462747	-9.068792259	-8.948484642	-3.556589395	0.4900347	0.3520144	0.3760605	0.6640037	-0.527468
5835000000	3.036872899	-2.303834613	-6.375492319	-10.86045084	-6.324361723	-5.278870301	0.4799825	0.2864029	0.4828163	0.5454735	-0.94524
5835000000	3.036872899	-2.251474735	-7.328373852	-12.31640494	-4.922630717	-6.624418296	0.4301118	0.2422031	0.5673727	0.4664221	-1.380461
5835000000	3.036872899	-2.199114858	-7.871755179	-12.763316	-4.3705437	-5.934060159	0.4040287	0.2300563	0.6046065	0.5050065	-1.191174
5835000000	3.036872899	-2.14675498	-7.401619639	-12.94841704	-5.07347158	-4.908106953	0.4265	0.2252056	0.5951585	0.5863222	-0.842176
5835000000	3.036872899	-2.094395102	-7.488453369	-13.1184366	-4.764945388	-4.735543559	0.4222575	0.2135049	0.577767	0.5797261	-0.947757
5835000000	3.036872899	-2.042035225	-9.108704405	-13.35806534	-4.442631753	-5.089954906	0.3504006	0.2148309	0.5996139	0.5655475	-1.303
5835000000	3.036872899	-1.989675347	-10.92846665	-11.97644973	-3.658261244	-5.311427089	0.284169	0.2518706	0.6562766	0.5425261	-1.23535
5835000000	3.036872899	-1.93731547	-10.13009417	-10.04147587	-3.025460804	-5.319726656	0.3115267	0.3147214	0.7058776	0.5420179	-0.564561
5835000000	3.036872899	-1.884955592	-8.698796593	-8.315060959	-2.746390009	-5.344755008	0.3673332	0.3839255	0.7289211	0.5404584	0.0891709
5835000000	3.036872899	-1.832595715	-8.198219322	-6.93928491	-2.648963809	-5.076483006	0.3891249	0.4498169	0.7371431	0.5574114	0.561238
5835000000	3.036872899	-1.780235837	-7.796914034	-5.894383562	-2.520593087	-4.107047849	0.407525	0.5073186	0.7481184	0.6232289	1.1616504
5835000000	3.036872899	-1.72787596	-6.413096457	-5.188894146	-2.278653881	-3.822933881	0.477909	0.550244	0.7692497	0.7225257	2.0071638
5835000000	3.036872899	-1.675516082	-4.95114464	-4.831044231	-1.942606342	-1.808501263	0.5655132	0.5733869	0.7995943	0.8120354	2.7677272
5835000000	3.036872899	-1.623156204	-4.26955297	-4.750834391	-1.547659189	-1.270117913	0.6116773	0.5787064	0.8367911	0.8639609	3.2007966
5835000000	3.036872899	-1.570796327	-4.062266443	-4.776951849	-1.526916915	-1.107622636	0.6264504	0.5769689	0.8818334	0.880276	3.4214427
5835000000	3.036872899	-1.518436449	-3.373856614	-4.733851833	-1.60130674	-1.0562133	0.678121	0.579839	0.9331139	0.8855016	3.4707514
5835000000	3.036872899	-1.466076572	-1.7682363	-4.592260526	-0.17938534	-0.903877643	0.8158084	0.5893686	0.9795592	0.9011687	4.3124999
5835000000	3.036872899	-1.413716694	-10.113234715	-4.441296515	0.10895649	-0.69708625	0.987048	0.5997016	1.0125811	0.9228881	4.915709
5835000000	3.036872899	-1.361356817	0.865208298	-4.27816724	0.351305043	-0.664714156	1.1047409	0.6110709	1.0412745	0.9263269	5.3044091
5835000000	3.036872899	-1.308996939	1.236139337	-3.935682425	0.718427233	-1.005056401	1.1529407	0.6356468	1.0862289	0.8907323	5.9459654
5835000000	3.036872899	-1.256637061	1.496196035	-3.559707064	1.272632636	-1.147522627	1.1879818	0.6792265	1.1577457	0.8177562	5.6721529
5835000000	3.036872899	-1.204277184	2.003238034	-2.864241331	1.881351673	-2.671219529	1.2593948	0.7190978	1.2418455	0.7352568	5.9236362
5835000000	3.036872899	-1.151917306	2.656960561	-2.944159219	2.38460536	-3.434647753	1.3578382	0.7125118	1.3089499	0.6733915	6.1342707
5835000000	3.036872899	-1.099557429	3.172618034	-4.085237741	2.530714249	-4.046125811	1.4408902	0.6247958	1.3382453	0.6276156	6.0888344
5835000000	3.036872899	-1.047197551	3.434074316	-6.868638064	2.509400415	-4.847878195	1.4849223	0.4534904	1.334966	0.572936	5.6802962
5835000000	3.036872899	-0.994837674	3.556722921	-11.88518778	2.433614218	-5.621992325	1.5063807	0.254531	1.3233682	0.5234803	5.1233302
5835000000	3.036872899	-0.942477796	3.692221095	-13.0989719	2.43984545	-5.439484545	1.5297169	0.2213357	1.3211125	0.5345961	5.1217477
5835000000	3.036872899	-0.890117919	3.800792845	-8.966481053	2.430248297	-4.401875778	1.548958	0.3561853	1.3228555	0.6024295	5.644367
5835000000	3.036872899	-0.837758041	3.689279517	-7.057694991	2.358485912	-3.674836091	1.5291989	0.4437264	1.3119712	0.5605255	5.8891524
5835000000	3.036872899	-0.785398163	3.234867198	-6.971267127	2.166871237	-3.571852543	1.4512538	0.4481637	1.2833454	0.662838	5.6786841
5835000000	3.036872899	-0.733038286	2.532080808	-7.754624502	1.936401246	-3.450316771	1.3384558	0.409514	1.2497412	0.6721778	5.2724582
5835000000	3.036872899	-0.680678408	1.891543958	-7.862998959	1.776351804	-2.79405967	1.2433036	0.4044362	1.2269238	0.7249316	5.1044735
5835000000	3.036872899	-0.628318531	1.648151753	-6.264619409	1.696097654	-2.165074999	1.2089479	0.4861486	1.2156397	0.7793746	5.3201883
5835000000	3.036872899	-0.575958653	1.825455731	-3.994922128	1.578841063	-2.120786688	1.2338796	0.6313263	1.1993393	0.7833585	5.6388384
5835000000	3.036872899	-0.523598776	2.107543107	-2.07761031	1.281273636	-2.494399343	1.2746095	0.7872624	1.1589473	0.7503779	5.9578289
5835000000	3.036872899	-0.471238898	2.199517664	-0.844237648	0.771587847	-2.674771058	1.288178	0.9073777	1.0928974	0.7349562	6.0712845
5835000000	3.036872899	-0.41887902	2.040759256	-0.331994325	0.212039112	-2.32634688	1.2648469	0.962499	1.0247123	0.7650374	6.0576434
5835000000	3.036872899	-0.366519143	1.734211897	-0.39689209	-0.136244049	-1.711518356	1.2209857	0.9553344	0.9844367	0.821153	5.9812285
5835000000	3.036872899	-0.314159265	1.347237291	-0.700158959	-0.185119645	-1.27719182	1.1677822	0.9225545	0.9789128	0.8632576	5.8727906
5835000000	3.036872899	-0.261799388	0.832396259	-0.833126568	-0.098272868	-1.253841068	1.1005754	0.908539	0.9887497	0.8655815	5.7188965
5835000000	3.036872899	-0.20943951	0.182348353	-0.643360948	-0.079702714	-1.308578257	1.0212155	0.928607	0.9908659	0.8601438	5.5769741
5835000000	3.036872899	-0.157079633	-0.430860808	-0.286069691	-0.223889489	-0.793147482	0.9516047	0.9676015	0.9745531	0.9127306	5.5898399
5835000000	3.036872899	-0.104719755	-0.72895827	0.058979344	-0.509779542	-0.104812396	0.9195007	1.0068134	0.9429985	1.0017068	5.7350971
5835000000	3.036872899	-0.452559878	-0.587865476	0.307107841	-0.864645424	0.383664405	0.934559	1.0359896	0.9052483	1.0451611	5.8472438
5835000000	3.036872899	-0.4416126	-0.187012847	0.410326539	0.470274022	0.470274022	0.9786995	1.0483742	0.8666628	1.0556348	5.9099595
5835000000	3.036872899	0.052359878	0.221551667	0.295986973	-1.629879086	1.01215946	1.0258352	1.034664	0.8289075	1.1235903	6.0487766
5835000000	3.036872899	0.104719755	0.541567491	0.103953183	-1.953836802	1.718955645	1.0643351	0.9881033	0.7985611	1.218843	6.1709522
5835000000	3.036872899	0.157079633	0.776508037	-0.688433519	-2.036624227	1.667644982	1.0935167	0.9238008	0.790986	1.2116641	6.063851
5835000000	3.036872899	0.20943951	0.889777155	-1.053968631	-0.						

5835000000	3.036872899	2.932153143	-9.482457124	-12.59037676	-21.99306238	-14.68758776	0.3356427	0.2346827	0.0794963	0.1843404	-7.595591
5835000000	3.036872899	2.984513021	-11.97704333	-15.78673945	-19.79424452	-17.45695594	0.2518534	0.1624288	0.1023971	0.1340146	-9.753064
5835000000	3.036872899	3.036872899	-16.2221612	-21.78100813	-18.15469296	-20.85182874	0.154487	0.081461	0.1236703	0.0906585	-12.95101
5835000000	3.036872899	3.089232776	-20.27897018	-23.13416367	-18.53790436	-21.30562368	0.0968393	0.0697095	0.1183327	0.0860436	-14.63488
5835000000	3.036872899	3.141592654	-21.9153432	-22.79366739	-20.12385988	-23.55774194	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	3.089232776	-3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072
5835000000	3.089232776	-3.089232776	-22.60071937	-24.76084173	-20.51506272	-16.28750782	0.0741249	0.057804	0.0942425	0.1533291	-14.28572
5835000000	3.089232776	-3.036872899	-18.92002046	-25.7275138	-17.55976786	-11.01636509	0.1132398	0.0517159	0.1324377	0.2813078	-10.77151
5835000000	3.089232776	-2.984513021	-15.00148861	-32.88094689	-14.76720381	-8.571726347	0.1777975	0.0226692	0.1826585	0.3727466	-8.451328
5835000000	3.089232776	-2.932153143	-13.12045845	-22.22100671	-13.24933896	-7.697109739	0.2207888	0.0774372	0.217537	0.4122347	-6.669662
5835000000	3.089232776	-2.879793266	-12.94545908	-14.692637	-12.516455	-7.670046421	0.2252823	0.1842333	0.2366886	0.4135211	-5.16733
5835000000	3.089232776	-2.827433388	-13.77632298	-11.63225726	-12.13573407	-7.832769847	0.2047311	0.2620518	0.2472938	0.4058462	-5.036837
5835000000	3.089232776	-2.775073511	-14.7575931	-11.39119855	-12.14736776	-7.779446251	0.1828607	0.2694264	0.2466928	0.4083454	-5.132978
5835000000	3.089232776	-2.722713633	-15.04646854	-14.00995915	-12.17410125	-7.614489981	0.1768791	0.1992976	0.2462039	0.4161745	-5.692009
5835000000	3.089232776	-2.670353756	-14.29183562	-20.25988736	-11.21576078	-7.0800472	0.1929338	0.0970523	0.2749236	0.442586	-5.955737
5835000000	3.089232776	-2.617993878	-13.37348264	-17.34221996	-9.872415593	-5.846588535	0.2144499	0.1357966	0.320907	0.5101179	-4.573606
5835000000	3.089232776	-2.565634	-12.53243371	-12.19437746	-9.428176379	-4.474154532	0.2362535	0.2456298	0.3377468	0.5974372	-2.99279
5835000000	3.089232776	-2.513274123	-10.4356469	-10.01404828	-10.08128767	-3.45145355	0.3007583	0.3157167	0.3132821	0.6720898	-1.928179
5835000000	3.089232776	-2.460914245	-7.640734075	-9.546084906	-10.75106284	-2.889532505	0.414919	0.3381929	0.2903262	0.7171007	-1.134308
5835000000	3.089232776	-2.40554368	-5.782476327	-10.24350721	-9.851007093	-3.02617535	0.5138971	0.3074855	0.321699	0.7058156	-0.682345
5835000000	3.089232776	-2.35619449	-5.299426168	-11.85920076	-7.957016259	-4.272315882	0.5432862	0.2552936	0.4000822	0.6114827	-0.866334
5835000000	3.089232776	-2.30384613	-5.955073678	-14.06469927	-6.245724719	-4.560239835	0.5037863	0.1980455	0.4872073	0.4688004	-1.62975
5835000000	3.089232776	-2.251474735	-6.837062385	-15.73729727	-5.138495827	-7.464046657	0.455142	0.163356	0.5534459	0.4234456	-1.963265
5835000000	3.089232776	-2.199114858	-6.756927148	-15.93020938	-4.788545903	-5.62170319	0.4593605	0.1597679	0.5761993	0.5234978	-1.315964
5835000000	3.089232776	-2.14675498	-6.43266318	-16.03877684	-5.13936802	-4.332255864	0.4768336	0.1577833	0.5533903	0.6072775	-0.937933
5835000000	3.089232776	-2.094395102	-7.370414199	-17.2185947	-5.655196017	-4.369640569	0.428035	0.1377433	0.5214831	0.6046694	-1.452949
5835000000	3.089232776	-2.042035225	-9.819318051	-18.54255389	-5.425581357	-4.984066215	0.3228748	0.1182694	0.5356374	0.5653739	-2.269309
5835000000	3.089232776	-1.989675347	-10.89223889	-17.18168551	-4.423736345	-5.106868862	0.2853567	0.1383298	0.6009152	0.5554572	-2.047135
5835000000	3.089232776	-1.93731547	-9.12458058	-14.37421371	-3.42895873	-4.772004105	0.3497607	0.1911126	0.6738327	0.5727977	-0.953822
5835000000	3.089232776	-1.884955592	-8.121829899	-11.98175216	-2.757276781	-4.567925409	0.3925622	0.2517169	0.728008	0.5910221	-0.160826
5835000000	3.089232776	-1.832595715	-8.435568583	-10.01073311	-2.30443517	-4.248339852	0.3786357	0.3158372	0.7666968	0.613173	0.3181533
5835000000	3.089232776	-1.780235837	-8.391324126	-8.232181281	-1.9022737	-3.272710511	0.3805693	0.3876064	0.8033201	0.6860638	1.0521845
5835000000	3.089232776	-1.72787596	-6.848757402	-6.646041433	-1.475174662	-1.962324574	0.4545296	0.4652264	0.8438304	0.7977812	2.1488684
5835000000	3.089232776	-1.675516082	-5.701767407	-5.90193673	-1.041051457	-0.980879249	0.5186945	0.5376384	0.8870493	0.9325151	3.0353537
5835000000	3.089232776	-1.623156204	-5.75449903	-4.564328138	-0.62740707	-0.592229309	0.5155551	0.5912669	0.9303074	0.9340896	3.4380932
5835000000	3.089232776	-1.570796327	-6.006964155	-4.173865387	-0.211589874	-0.674468971	0.5007856	0.618453	0.9759432	0.9252871	3.5808875
5835000000	3.089232776	-1.518436449	-4.674733654	-4.161045273	0.208656273	-0.863161954	0.583799	0.6193665	1.0243134	0.9054029	3.8982803
5835000000	3.089232776	-1.466076572	-2.251088764	-4.448775594	0.551086636	-0.821482992	0.7716948	0.5991854	1.0655022	0.9097579	4.4702829
5835000000	3.089232776	-1.4137116694	-0.397832941	-4.933450541	0.752598273	-0.567589403	0.9552309	0.5666664	1.0905107	0.9367432	4.9818899
5835000000	3.089232776	-1.361356817	-0.406386275	-5.371519623	0.743341517	-0.429255665	1.0478987	0.5387956	1.1059022	0.9517814	5.2118681
5835000000	3.089232776	-1.308996939	0.527708397	-5.324045646	1.05356716	-0.731184798	1.0626382	0.5417485	1.1291921	0.9192651	5.2320223
5835000000	3.089232776	-1.256637061	0.699343266	-4.632006087	1.073505579	-1.589786991	1.083845	0.5866779	1.1708939	0.8327423	5.2525591
5835000000	3.089232776	-1.204277184	1.354562556	-3.822726001	1.744602464	-2.836390899	1.1687675	0.6439671	1.2244472	0.7214072	5.4752738
5835000000	3.089232776	-1.151917306	2.250556139	-3.573137653	2.027596987	-4.086180383	1.2957697	0.6627399	1.2629317	0.624728	5.6799679
5835000000	3.089232776	-1.099557429	2.935669514	-4.350055927	2.143601277	-5.137639977	1.4021145	0.6060343	1.2799119	0.5353005	5.669555
5835000000	3.089232776	-1.047197551	3.229255029	-6.481151499	2.15921542	-6.201245358	1.4503164	0.4741791	1.2822148	0.4897086	5.3350236
5835000000	3.089232776	-0.994837674	3.284490871	-9.646385888	2.204400389	-7.090615493	1.4595687	0.3293675	1.2889024	0.4420478	4.9099729
5835000000	3.089232776	-0.942477796	3.350946219	-10.15145366	2.324050315	-6.669744754	1.4707786	0.3017616	1.3067801	0.4639944	4.9869288
5835000000	3.089232776	-0.890117919	3.469456307	-7.689914924	2.473329128	-5.194080287	1.4909834	0.4125763	1.3239344	0.5499155	5.2523817
5835000000	3.089232776	-0.837758041	3.448225899	-6.180567722	2.441040065	-4.099795843	1.4873436	0.4908758	1.3245001	0.6237495	5.8594435
5835000000	3.089232776	-0.785398163	3.119989054	-6.054465172	2.308647663	-3.696257687	1.4321861	0.498044	1.3044649	0.653412	5.7741642
5835000000	3.089232776	-0.733038286	2.56276469	-6.82896156	2.095759357	-3.400454254	1.3431924	0.4555666	1.2728815	0.6760476	5.4566691
5835000000	3.089232776	-0.680678408	2.112526049	-7.400257923	1.871052641	-2.771611933	1.2753409	0.4265669	1.2403739	0.7268075	5.2705656
5835000000	3.089232776	-0.628318531	2.080447971	-6.323295254	1.644002174	-2.603608185	1.2706396	0.4828756	1.2083705	0.7975247	5.4317455
5835000000	3.089232776	-0.575958653	2.380483792	-4.057235652	1.354812268	-2.106225014	1.3152981	0.6268133	1.1688011	0.7846731	5.790855
5835000000	3.089232776	-0.523598776	2.641218464	-1.969203816	0.936192712	-2.328468556	1.3553795	0.7971496	1.1138062	0.7468505	6.0880565
5835000000	3.089232776	-0.471238898	2.608583211	-0.619112776	0.47118932	-2.442171987	1.3502966	0.931203	1.0492029	0.7549034	6.2045294
5835000000	3.089232776	-0.41887902	2.293907903	-0.085019597	-0.024317853	-2.246679565	1.3022531	0.9902595	0.9972042	0.7720866	6.1537781
5835000000	3.089232776	-0.366519143	1.862654182	-0.213018042	-0.201908682	-1.832355361	1.2391752	0.9757377	0.9770225	0.8089083	6.024636
5835000000	3.089232776	-0.314159265	1.410156237	-0.617316817	-0.142167019	-1.440130521	1.1762721	0.9313956	0.9837656	0.8472147	5.8863435
5835000000	3.089232776	-0.261799388	0.879815819	-0.807850237	-0.03826536	-1.30300441	1.066003	0.9111869	0.9956042	0.860696	5.7427886
5835000000	3.089232776	-0.20943951	0.241730843	-0.617961681	-0.15292359	-1.226591099	1.0282212	0.9313264	0.9941122	0.8683013	5.6251251
5835000000	3.089232776	-0.157079633	-0.356716451	-0.267646394	-0.234672143	-0.698466264	0.9597634	0.969566	0.973344	0.9227343	5.6331591
5835000000	3.089232776	-0.104719755	-0.662714611	0.048539832	-0.547111376	-0.055870324	0.9265402	1.005604	0.9389543	1.006453	5.7505516
5835000000	3.089232776	-0.095259878	-0.5555054	0.285392392	-0.902760258	0.392060097	0.9380473	1.0334028	0.9012847	1.0461718	5.8426982
5835000000	3.089232776	-4.444-16	-0.187012965	-0.132036961	-1.242996351	0.470273792	0.9786995	1.0483743	0.8666629	1.0556348	5.9099595
5835000000	3.089232776	0.052359878	0.212646401	0.32471773	-1.55365006	1.021585476	1.024784	1.0380276	0.8362141	1.1248103	6.0720254
5835000000	3.089232776	0.104719755	0.546911819	-0.0629401							

5835000000	3.089232776	2.827433388	-9.512924457	-12.89905916	-14.22685567	-14.16897087	0.3344674	0.226489	0.1943825	0.1956823	-6.456797
5835000000	3.089232776	2.879793266	-8.921942867	-12.2823351	-17.56866844	-14.70138823	0.3580163	0.243155	0.1323021	0.1840478	-6.768278
5835000000	3.089232776	2.932153143	-9.649260542	-12.59037201	-21.72874013	-14.55238244	0.3292585	0.2346829	0.0819526	0.1872323	-7.606382
5835000000	3.089232776	2.984513021	-12.20947691	-15.75493173	-19.80488432	-17.04476783	0.2452032	0.1630247	0.1022718	0.1405276	-9.748616
5835000000	3.089232776	3.036872899	-16.36002389	-21.71647845	-18.0665742	-20.73139005	0.1520543	0.0820684	0.1249313	0.0919243	-12.93749
5835000000	3.089232776	3.089232776	-20.12614573	-22.90196665	-18.44848321	-21.39855694	0.0985582	0.0715981	0.1195572	0.0851279	-14.54365
5835000000	3.089232776	3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0802108	0.0724964	0.0985841	0.0663916	-15.98072