

5170000000	1.675516082	-0.471238898	1.342062755	4.00667183	1.472721527	2.058863021	1.3620915	2.5157483	1.4036931	1.6065206	2.3603652
5170000000	1.675516082	-0.41887902	2.508116269	4.090353225	1.382500688	2.401925338	1.7816058	2.5662876	1.3748334	1.7385714	2.7075441
5170000000	1.675516082	-0.366519143	3.054257806	4.100095899	1.3461638	2.630557618	2.0203461	2.5704525	1.3633783	1.8346686	2.8943131
5170000000	1.675516082	-0.314159265	2.541158017	3.93178784	1.632667251	2.542765901	1.7952122	2.4727419	1.4563532	1.795877	2.741685
5170000000	1.675516082	-0.261799388	1.359303078	3.563334481	2.17428589	2.07184587	1.3675094	2.2716083	1.6586046	1.6244953	2.3818255
5170000000	1.675516082	-0.20943951	0.51366161	3.700087435	2.713070737	1.579909471	1.1255535	2.0277235	1.8676996	1.4387686	2.081554
5170000000	1.675516082	-0.157079633	0.472352497	2.606649209	3.66848511	1.334951536	1.1148983	1.822489	1.3936811	1.359863	1.924298
5170000000	1.675516082	-0.104719755	0.491895159	2.33416438	2.563822454	1.532066611	1.1199172	1.7116558	1.8046054	1.4230058	1.8035416
5170000000	1.675516082	-0.052359878	0.081049717	2.32450852	2.097652222	1.280543318	1.0188376	1.7078544	1.6205992	1.5914956	1.7163774
5170000000	1.675516082	-4.44E-16	-0.493607427	2.518695157	2.038146822	2.560234387	0.8925638	1.7859509	1.5988756	1.8031151	1.8187968
5170000000	1.675516082	0.052359878	-0.691507115	2.780417389	2.527921709	3.026572354	0.8528041	1.8968882	1.7897492	2.0075078	2.1397899
5170000000	1.675516082	0.104719755	-0.466758099	2.989171152	2.994367465	3.405010318	0.989099	1.9902935	1.9926763	2.190287	2.4744269
5170000000	1.675516082	0.157079633	-0.199321741	3.098175836	2.919655883	3.723270724	0.9551417	2.0408805	1.9586895	2.3568236	2.6194859
5170000000	1.675516082	0.20943951	-0.071363174	3.13590599	2.711965667	3.960712363	0.9837023	2.0586883	1.6489085	2.4892656	2.5409861
5170000000	1.675516082	0.261799388	-0.031142692	3.165966996	0.989547598	4.04784905	0.9928548	2.0729876	1.2558991	2.5397145	2.3435629
5170000000	1.675516082	0.314159265	-0.064379636	3.231764042	-0.00247467	3.949259999	0.9852854	2.1046331	0.9994303	2.48271	2.1564146
5170000000	1.675516082	0.366519143	-0.244814741	3.324238988	-0.230529188	3.7283841	0.9451887	2.1499279	0.9483029	2.3596001	2.0432484
5170000000	1.675516082	0.41887902	-0.05158742	3.397134629	0.07476782	3.508320073	0.8879992	2.1863187	1.017365	2.2430141	1.9966855
5170000000	1.675516082	0.471238898	-0.652125265	3.408129833	0.28403784	3.357415675	0.8605725	2.1918609	1.0675882	2.1664146	1.9634452
5170000000	1.675516082	0.523598776	-0.6301799	3.345449821	-0.021708937	3.238945439	0.8649321	2.1604538	0.9950138	2.1081162	1.8529532
5170000000	1.675516082	0.575958653	-0.731418954	3.224420228	-1.05248873	3.081206898	0.8450027	2.1010773	0.7847858	2.0329219	1.5864798
5170000000	1.675516082	0.628318531	-1.093632632	3.063968707	-2.753415632	2.879791582	0.777388	2.0248687	0.5304671	1.9407927	1.2004016
5170000000	1.675516082	0.680678408	-1.489297435	2.862226398	-4.029980762	2.724517612	0.7096926	1.932959	0.3793167	1.8726291	0.8765697
5170000000	1.675516082	0.730308286	-1.64105864	2.589515364	-3.898838429	2.692773474	0.6853212	1.8153131	0.4074896	1.8589913	0.7619564
5170000000	1.675516082	0.785398163	-1.623743807	2.204737384	-2.659074004	2.374174406	0.6805589	1.6613982	0.5421169	1.8767976	0.7631011
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5170000000	1.675516082	1.099557429	-3.355155505	-2.01219742	-2.334134245	1.270081051	0.4618325	0.6291877	0.5842337	1.3397017	-1.2277908
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5170000000	1.675516082	1.466076572	-5.596139213	-2.73940855	-6.271133948	-0.23680536	0.2756678	0.5279659	0.2359862	0.9463068	-3.0409767
5170000000	1.675516082	1.518436449	-6.12636127	-2.364257811	-7.441187645	-0.381858187	0.2439854	0.5801953	0.1802525	0.8258648	-3.3958095
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5170000000	1.675516082	3.036872899	-9.								

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5170000000	1.72787596	-4.44E-16	-0.493607374	2.518694844	2.038146661	2.560233831	0.8925638	1.7859508	1.5988756	1.8031148	1.8187965
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5170000000	1.832595715	-0.523598776	0.492352004	3.559746635	1.26492928	1.27715394	1.1200443	2.2697324	1.3381134	1.3418853	1.8111263
5170000000	1.832595715	-0.471123898	1.326615943	3.441141725	1.3572555	1.35682131	1.3572555	2.2085853	1.3600918	1.4287589	2.0103447
5170000000	1.832595715	-0.41887902	2.529264461	3.455692082	1.270303295	1.870662679	1.7903026	2.2159972	1.3397702	1.5383894	2.3580985
5170000000	1.832595715	-0.366519143	3.000400435	3.50210902	1.253010902	2.091579132	1.9954463	2.2398086	1.3654916	1.6186685	2.5644201
5170000000	1.832595715	-0.314159265	2.463155433	3.435448927	1.73384158	2.06287473	1.7632567	2.2056921	1.4906791	1.6080053	2.4721401
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5170000000	1.832595715	-0.20943951	0.532076322	2.819961534	2.737113323	1.466383027	1.1303362	1.914239	1.8780681	1.4016459	1.9895172
5170000000	1.832595715	-0.157079633	0.49875149	2.473077432	2.821395667	1.38767615	1.1216959	1.7672897	1.9148712	1.3764727	1.8895164
5170000000	1.832595715	-0.104719755	0.506399192	2.29375806	2.496760209	1.621391571	1.1236729	1.6958046	1.7769353	1.452577	1.7962416
5170000000	1.832595715	-0.052359878	0.090156963	2.331206316	2.055686905	2.061855886	1.0209764	1.7104904	1.6053461	1.6076281	1.7205103
5170000000	1.832595715	-4.44E-16	-0.493607238	2.518694802	2.038146643	2.560234315	0.8925638	1.7859508	1.5988756	1.803115	1.8187967
5170000000	1.832595715	0.052359878	-0.71580086	2.737075715	2.545016515	3.459639006	0.848047	1.8780518	1.7968079	1.9991754	2.1232627
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5170000000	1.832595715	0.314159265	0.391542674	2.987227754	0.691984705	4.078770115	1.094345	1.989403	1.1727312	2.5578614	2.3136385
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5170000000	1.832595715	0.41887902	0.059009869	3.284537829	0.446441351	3.614687167	1.0136803	2.1303638	1.1082663	2.2986281	2.1424353
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5170000000	1.884955592	1.151917306	-1.483731284	-1.995360983	-2.463391726	1.250250918	0.7106027	0.6316317	0.5671016	1.3244181	-0.92353
5170000000	1.884955592	1.204277184	-1.993813172	-1.755500623	-3.542346663	0.698799192	0.6318568	0.667498	0.4423515	1.1745727	-1.3723091
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5170000000	1.884955592	1.361356817	-2.121982403	-1.240682505	-4.103568965	-0.907621413	0.6134819	0.7155048	0.3887256	0.8114053	-1.9295271
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5170000000	1.884955592	1.72787596	-5.033075513	-2.036285336	-8.837311173	-5.043740316	0.3138285	0.6257077	0.1306974	0.3130588	-4.6114599
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5170000000	1.884955592	1.93731547	-5.535930391	-2.359389434	-7.781689965	-5.248079838	0.2795162	0.5808461	0.1666599	0.2986703	-4.7961723
5170000000	1.884955592	1.989675347	-5.236761238	-2.826863075	-9.09253329	-5.920151539	0.2994497	0.5215712	0.1549796	0.2558497	-5.1502008
5170000000	1.884955592	2.042035225	-5.522745455	-3.317707252	-9.518722414	-6.311160974	0.2803661	0.465832	0.1117192	0.2338212	-5.639414
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5170000000	1.884955592	2.199114858	-4.686534031	-4.861973403	-15.89601567	-7.095114227	0.3398964	0.3264395	0.0257726	0.1952039	-6.5400548
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5170000000	1.884955592	2.460914245	-6.189260612	-12.74064157	-12.30340407	-8.894696007	0.2404772	0.053203	0.0588431	0.1289824	-9.1945588
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5170000000	1.884955592	2.617939878									

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5170000000	1.93731547	-0.733038286	-0.267396246	3.898485519	-0.985222929	-0.370742757	0.9402869	2.4538531	0.7970356	1.0086123	1.1392653
5170000000	1.93731547	-0.680678408	0.053842701	3.883551299	-0.186686966	0.658851979	1.0124749	2.4454294	0.9579245	1.1638183	1.4454675
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5170000000	1.93731547	-0.366519143	2.921648203	2.852633457	1.455903314	1.790050123	1.9595882	1.9286941	1.3982677	1.5100976	2.3023476
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5170000000	1.989675347	-0.628318531	0.396737772	3.58076778	0.94116138	1.076039543	1.0956549	2.2807452	1.2419844	1.2811617	1.6875862
5170000000	1.989675347	-0.575958653	0.651943249	3.312460662	1.347848616	1.611445579	1.1619684	2.1441051	1.3626517	1.4492542	1.8454802
5170000000	1.989675347	-0.523598776	0.973594703	2.915078206	1.441871975	1.973001614	1.2512943	1.956622	1.3937574	1.5750711	1.8869995
5170000000	1.989675347	-0.471238898	1.779962869	2.568961055	1.364634107	2.040009997	1.5065942	1.8067419	1.369189	1.5995617	1.9604394
5170000000	1.989675347	-0.41887902	2.632214563	2.44179883	1.339459714	1.870583306	1.833249	1.7546071	1.3612753	1.5383612	2.1001689
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5170000000	1.989675347	-0.314159265	2.270868045	2.590969083	1.974164328	1.499698542	1.6868902	1.8519208	1.5754928	1.4124395	2.1023444
5170000000	1.989675347	-0.261799388	1.232877864	2.555964498	2.457932254	1.412500816	1.3282744	1.8013431	1.7611373	1.3843633	1.9556192
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5170000000	1.989675347	0.052359878	-0.74198921	2.693340356	2.54860357	2.985898687	0.8429486	1.8592339	1.7967433	1.9887943	2.1002191
5170000000	1.989675347	0.104719755	-0.561257757	2.803134048	3.056946301	3.343767451	0.878768	1.9068363	2.0215972	2.159617	2.4097451
5170000000	1.989675347	0.157079633	-0.228720292	2.817584225	3.188576294	3.627720649	0.948698	1.9131914	2.0838077	2.3055368	2.5835192
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5170000000	1.989675347	0.314159265	0.695508968	2.762562964	1.382518993	3.87315275	1.1736832	1.8891059	1.3748392	2.4395812	2.3535226
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5170000000	1.989675347	0.523598776	0.456205475	3.201422018	0.951874333	2.740808308	1.1107608	2.0899803	1.2450518	1.8796666	1.990321
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5170000000	1.989675347	0.628318531	0.849052261	2.141189054	-0.04757718	2.196644972	1.2159206	1.6372647	0.9891047	1.4553053	1.3834971
5170000000	1.989675347	0.680678408	0.81191595	1.377475404	-1.116762257	2.049881301	1.2055677	1.3732435	0.7732568	1.6032016	0.9300729
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5170000000	2.042035225	0.628318531	1.026859068	2.925472763	0.001945964	2.117019054	1.2667354	1.9576048	1.0003362	1.6281871	1.3456391
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5170000000	2.042035225	1.204277184	-0.330236076	-2.36794555	-1.632966851	-0.95959465	0.9267794	0.5797029	0.6865992	0.8017529	-1.2568717
5170000000	2.042035225	1.256637061	-0.077225511	-2.24146027	-1.546112665	-1.513995753	0.9823753	0.5968346	0.7004687	1.7184564	-1.252088
5170000000	2.042035225	1.308996939	0.098236383	-0.032519027	-1.339778048	-2.193518026	1.0287775	0.6262505	0.7345514	0.6034596	-1.2680455
5170000000	2.042035225	1.361356817	-0.125126667	-1.757456685	-1.205434378	-3.117567641	0.9715996	0.6671974	0.757629	0.8478016	-1.4203047
5170000000	2.042035225	1.413716694	-0.861363146	-1.414594725	-1.314876936	-3.82085941	0.8200941	0.7220055	0.7387752	0.4148719	-1.713809
5170000000	2.042035225	1.466076572	-1.902186761	-1.032737856	-1.697906937	-4.018946301	0.6453292	0.7875302	0.6764089	0.3963742	-0.2314809
5170000000	2.042035225	1.518436449	-2.733903587	-0.719021628	-2.252409772	-4.002016391	0.5328557	0.8474183	0.5953317	0.3979224	-2.2666561
5170000000	2.042035225	1.570796327	-2.939197895	-0.584440616	-2.840454186	-4.102638624	0.5082533	0.8740885	0.5199416	0.3888088	-2.4201741
5170000000	2.042035225	1.623156204	-2.77829322	-0.730803789	-3.433729351	-4.13700771	0.5274371	0.8451224	0.453552	0.385744	-2.5730323
5170000000	2.042035225	1.675516082	-2.890190208	-1.166734107	-4.165299361	-3.716724684	0.5140211	0.7644104	0.3832394	0.4943939	-2.8261854
5170000000	2.042035225	1.72787596	-3.58740937	-1.770889366	-5.187446278	-3.010051986	0.4377832	0.6651369	0.3028694	0.5000285	-3.2197856
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5170000000	2.042035225	1.832595715	-4.548660406	-2.683253171	-4.777660369	-3.22132508	0.3508601	0.5391066	0.1787474	0.4762856	-4.1331518
5170000000	2.042035225	1.884955592	-3.805393118	-2.918373972	-7.840981244	-4.16944848	0.416352	0.5106962	0.1644	0.3142448	-4.5416948
5170000000	2.042035225	1.93731547	-3.275612604	-3.220929382	-7.699784029	-8.112164396	0.4703691	0.476329	0.1698328	0.1544485	-4.9792149
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5170000000	2.042035225	2.042035225	-4.130292497	-4.238343397	-7.272311829	-10.06465727	0.386341	0.3768475	0.1873997	0.0985222	-5.8123881
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5170000000	2.042035225	2.199114858	-4.229513388	-5.097860601	-7.152156211	-12.09207773	0.3776145	0.3091818	0.1926568	0.0617721	-6.2836644
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5170000000	2.042035225	2.30383									

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5170000000	2.094395102	-0.575958653	1.262876675	3.16500853	1.682988751	1.642281308	1.3374811	2.0725301	1.4733261	1.4595808	2.0022911
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5170000000	2.094395102										

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5170000000	2.14675498	-1.099557429	1.134838655	2.228534337	-0.338590686	-2.54530449	1.2986253	1.6705267	0.9249983	0.3472602	0.2545032
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5170000000	2.14675498	-0.733038286	0.505657557	2.602158933	-1.17568844	-1.747013886	1.1234811	1.8206057	1.3054759	0.6688036	0.8976087
5170000000	2.14675498	-0.680678408	0.73003694	2.973261554	1.664548071	-0.851804073	1.1830516	1.9830157	1.467053	0.8219012	1.3473648
5170000000	2.14675498	-0.628318531	1.243255033	3.199322155	1.860793735	0.359105295	1.331452	2.0889701	1.5348975	1.0862018	1.7908632
5170000000	2.14675498	-0.575958653	1.597895875	3.133323514	1.803899272	1.473586409	1.4447396	2.0574645	1.5149208	1.4039726	2.0554928
5170000000	2.14675498	-0.523598776	1.869579731	2.766560993	1.639358497	2.121953071	1.5380058	1.8908457	1.4585988	1.6300289	2.1201967
5170000000	2.14675498	-0.471238898	2.278980545	2.255155102	1.562950512	1.794655232	1.6900442	1.680798	1.4296144	1.6449403	2.0718967
5170000000	2.14675498	-0.41887902	2.651579477	1.855306516	1.663911276	1.724737995	1.8414416	1.5329594	1.4668683	1.4875576	1.9926323
5170000000	2.14675498	-0.366519143	2.594047397	1.721652267	1.959664361	1.91208647	1.8172084	1.4865011	1.5702414	1.3157993	1.8961313
5170000000	2.14675498	-0.314159265	1.966385438	1.779316087	2.332559534	0.964445532	1.5726734	1.5063698	1.7110234	1.248661	1.7888545
5170000000	2.14675498	-0.261799388	1.089543332	1.877123168	2.635914893	1.131742806	1.2851515	1.5067995	1.8424321	1.2976999	1.7362057
5170000000	2.14675498	-0.20943951	0.57381272	1.959742461	2.792569157	1.484612767	1.1412513	1.5702697	1.9022032	1.4075417	1.7762782
5170000000	2.14675498	-0.157079633	0.532441514	2.057405053	2.652295512	1.794655232	1.1304312	1.6059814	1.8417452	1.5118076	1.8255484
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5170000000	2.14675498	-0.052359878	0.053910022	2.360068851	1.950031198	2.252377525	1.0124906	1.7218959	1.566763	0.6685059	1.7388927
5170000000	2.14675498	-4.44E-16	-0.493607654	2.158695128	2.038146259	2.560234317	0.8925637	1.7859059	1.5988755	1.803115	1.8187967
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5170000000	2.14675498	0.261799388	0.460449244	2.551409161	2.671543701	3.544889112	1.1118467	1.7994547	1.8499261	2.2619808	2.4447556
5170000000	2.14675498	0.314159265	0.803339862	2.644483119	2.008859756	3.502142715	1.2031894	1.6384351	1.5881297	2.2398259	2.3487021
5170000000	2.14675498	0.366519143	0.985062921	2.905048429	1.32248883	3.38106586	1.2546029	1.9521125	1.3559663	2.1872443	2.2665597
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5170000000	2.199114858	1.099557429	-1.535507404	-3.901024388	-0.31165943	-0.580661415	0.7021813	0.4072842	0.9092502	0.8748505	-1.4062656
5170000000	2.199114858	1.151917306	-1.440755396	-3.905528611	-0.630019079	-0.99085134	0.7176695	0.406862	0.8649641	0.7960033	-1.57157
5170000000	2.199114858	1.204277184	-1.177140696	-3.628732854	-0.896133822	-1.928270162	0.7625809	0.4336374	0.8135544	0.641465	-1.7861131
5170000000	2.199114858	1.256637061	-0.901654201	-3.243757226	-1.14338332	-3.329883655	0.812521	0.4738319	0.7685315	0.4645277	-2.0076079
5170000000	2.199114858	1.308996939	-0.900329652	-2.88830473	-1.354156431	-4.778478431	0.8127688	0.5142443	0.7321235	0.3327761	-2.2331465
5170000000	2.199114858	1.361356817	-1.35796836	-2.583836583	-1.598800433	-5.651601399	0.7314812	0.5515899	0.6920094	0.2721698	-2.5040855
5170000000	2.199114858	1.413716694	-2.146854502	-2.79189214	-1.982736593	-6.046041897	0.6099785	0.5916721	0.6334704	0.2485397	-2.8323298
5170000000	2.199114858	1.466076572	-2.790911526	-1.939918809	-2.574412341	-6.747234011	0.5259069	0.6397468	0.5527882	0.2114836	-3.1651946
5170000000	2.199114858	1.518436449	-2.887060456	-1.618059382	-3.381446549	-8.138807099	0.5143917	0.6889601	0.4590451	0.1535039	-3.4296789
5170000000	2.199114858	1.570796327	-2.627320481	-1.446979804	-4.370151565	-9.704786007	0.5460947	0.7166416	0.365582	0.1070339	-3.6267235
5170000000	2.199114858	1.623156204	-2.503373433	-1.571313025	-5.502133538	-10.41635206	0.5619047	0.6964159	0.2816986	0.0908583	-3.8963864
5170000000	2.199114858	1.675516082	-2.76748626	-2.071955513	-6.732777282	-10.6995561	0.5287512	0.6205895	0.2121887	0.0581225	-4.4169593
5170000000	2.199114858	1.72787596	-3.174490358	-2.900591776	-7.907718319	-10.21039512	0.4814497	0.5127915	0.161893	0.0628146	-5.160745
5170000000	2.199114858	1.780235837	-3.136860755	-3.812954682	-9.66171543	-14.8031668	0.4856394	0.4156277	0.1360933	0.033089	-5.7249382
5170000000	2.199114858	1.832595715	-2.628075413	-4.418557356	-12.721999745	-14.09164053	0.5459998	0.3615299	0.1342147	0.0389795	-5.6834255
5170000000	2.199114858	1.884955592	-2.295814691	-4.536685871	-8.358585351	-9.676995718	0.5894114	0.3518288	0.145929	0.107721	-5.24732
5170000000	2.199114858	1.93731547	-2.572929397	-4.431051723	-8.038374024	-6.624327837	0.552977	0.3604913	0.1570951	0.2175541	-4.9210452
5170000000	2.199114858	1.989675347									

5170000000	2.251474735	-1.623156204	-4.682239962	-2.871049503	-2.615828334	-1.448653539	0.3402327	0.5162916	0.5475417	0.7163655	-2.7563577
5170000000	2.251474735	-1.570796327	-5.71393315	-1.67423021	-2.598150695	-2.169999658	0.2682914	0.6801066	0.5497749	0.6067364	-2.7882662
5170000000	2.251474735	-1.518436449	-5.050206049	-0.7445586	-2.578822859	-0.325252129	0.3125931	0.84425	0.5522271	0.4982815	-2.5854274
5170000000	2.251474735	-1.466076572	-3.197799552	-0.071829403	-2.510887453	-3.495913294	0.4788727	0.9835967	0.5609333	0.4471041	-2.0927394
5170000000	2.251474735	-1.413716694	-1.694194892	0.405671966	-2.431382103	-3.528885121	0.6769873	1.0979112	0.5712968	0.4437225	-1.5646859
5170000000	2.251474735	-1.361356817	-0.815222222	0.789037544	-2.370064798	-3.509834958	0.8288535	1.1993235	0.5794201	0.4456732	-1.1730755
5170000000	2.251474735	-1.308996939	-0.244090749	1.175210607	-2.28237722	-3.669636681	0.9453463	1.3107536	0.5912379	0.4295724	-0.8659545
5170000000	2.251474735	-1.256637061	0.320287429	1.583071866	-2.093632518	-3.958457509	1.0765365	1.4398166	0.6174997	0.4019335	-0.5357398
5170000000	2.251474735	-1.204277184	0.807400924	1.930474001	-1.795940718	-4.195647697	1.204315	1.5957227	0.6613114	0.3805706	-0.2160337
5170000000	2.251474735	-1.191571306	0.958543752	2.108282503	-1.477034596	-4.284323375	1.2469653	1.624906	0.7116993	0.3728788	-0.0475437
5170000000	2.251474735	-1.095957429	0.770536897	2.069776014	-1.246895435	-4.333483906	1.1941357	1.6105626	0.7504305	0.3686817	-0.0835197
5170000000	2.251474735	-1.047197551	0.715834838	1.862666496	-1.132370094	-4.440826176	1.1791892	1.5355595	0.7704829	0.3596809	-0.1717354
5170000000	2.251474735	-0.994837674	1.310526267	1.59585491	-1.080857355	-4.498854203	1.3522364	1.4440608	0.7928559	0.354907	-0.0611646
5170000000	2.251474735	-0.942477796	2.252335212	1.359162767	-0.647797877	-4.39155644	1.679707	1.3674652	0.8614304	0.3637846	0.2861062
5170000000	2.251474735	-0.890117919	2.851864735	1.17608837	0.050654438	-4.19318439	1.9283527	1.3110186	1.0117319	0.3807865	0.6369822
5170000000	2.251474735	-0.837758041	2.790972721	1.074029611	0.922955668	-3.982389048	1.9015039	1.2805689	1.2367889	0.3997248	0.8085967
5170000000	2.251474735	-0.785398163	2.20642455	1.173179189	1.319846354	-3.65533367	1.6620438	1.3101406	1.4782685	0.4309894	0.8648818
5170000000	2.251474735	-0.733038286	1.629198523	1.582156758	2.183680749	-2.992490988	1.4551905	1.4395133	1.6533625	0.5020545	1.0124178
5170000000	2.251474735	-0.680678408	1.563761911	2.184358307	2.184358307	-1.866920181	1.433429	1.6536204	1.706022	0.505909	1.3831119
5170000000	2.251474735	-0.628318531	1.866723104	2.692498479	2.16976042	-0.460193931	1.5369495	1.8588736	1.648051	0.8994574	1.7197325
5170000000	2.251474735	-0.575958653	2.144049122	2.883650718	1.907627211	-0.800582236	1.6383433	1.9425181	1.5515375	1.2024256	1.996746
5170000000	2.251474735	-0.523598776	2.325900305	2.705943592	1.747467567	1.552214293	1.7084018	1.8646373	1.4953634	1.4296227	2.107214
5170000000	2.251474735	-0.471238898	2.510753438	2.274090444	1.86575697	1.682857697	1.782688	1.6881423	1.5153709	1.4684446	2.0781243
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5170000000	2.251474735	-0.366519143	2.375317477	1.522981545	2.325496894	0.808012941	1.7279523	1.4200321	1.7082432	1.2044847	1.8046367
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5170000000	2.251474735	-0.261799388	0.977850752	1.521423932	2.762338668	1.060867356	1.2552121	1.4951229	1.8890083	1.2766938	1.6418521
5170000000	2.251474735	-0.20943951	0.564956608	1.693101584	2.770150044	1.60159383	1.1389264	1.4767608	1.892409	1.4459703	1.7275369
5170000000	2.251474735	-0.157079633	0.517631169	1.928762833	2.553209245	1.993108747	1.1265828	1.5591083	1.8002007	1.5823805	1.8005606
5170000000	2.251474735	-0.104719755	0.417342327	2.175052083	2.178195127	2.166761691	1.1008654	1.6500808	1.6512754	1.6469339	1.7963476
5170000000	2.251474735	-0.052359878	0.026894483	2.376178632	1.912186199	2.292624257	1.0062119	1.728295	1.5528404	1.6953619	1.748379
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5170000000	2.251474735	0.052359878	-0.78528167	2.623552467	2.508088996	2.937091432	0.8345874	1.8295962	1.7815946	1.9665688	2.0495703
5170000000	2.251474735	0.104719755	-0.696964699	2.687283633	3.002485899	3.234018568	0.8517331	1.8566428	1.9964047	2.105726	2.3111943
5170000000	2.251474735	0.157079633	-0.382324351	2.666401572	3.275379452	3.339429058	0.9157303	1.847737	2.1258761	2.1574608	2.4593221
5170000000	2.251474735	0.20943951	0.000568441	2.558416588	3.243939782	3.304403537	1.0001309	1.8023605	2.1093072	2.140131	2.4624797
5170000000	2.251474735	0.261799388	0.403629634	2.481405152	2.909339718	3.26001342	1.097395	1.7706818	1.9540424	2.1183677	2.3932994
5170000000	2.251474735	0.314159265	0.791406559	2.58753164	2.343163712	3.262597914	1.1998879	1.8144841	1.7152063	2.1196287	2.335805
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5170000000	2.251474735	0.471238898	1.12033715	2.844374616	0.698465539	2.792576592	1.2942963	1.9250298	1.1744774	1.9022065	1.9700542
5170000000	2.251474735	0.523598776	0.884625508	2.308723375	2.474529805	2.474529805	1.2259212	1.7016582	1.116443	1.7678808	1.6225838
5170000000	2.251474735	0.575958653	0.665321621	1.530197965	0.238481083	2.209675171	1.1655534	1.4223936	1.056448	1.6632882	1.22845
5170000000	2.251474735	0.628318531	0.682792985	1.782274914	-0.134782584	2.197518088	1.1702517	1.1973676	0.9694418	1.5759884	0.8929076
5170000000	2.251474735	0.680678408	0.976532716	2.066744105	-0.554496934	1.677426383	1.2521411	1.0633455	0.8801371	1.4714403	0.6698372
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5170000000	2.251474735	0.994837674	-1.30597693	-0.066246198	0.5313637	-1.237507638	0.7402907	0.4936003	1.1306192	0.7520544	-1.0838386
5170000000	2.251474735	1.047197551	-1.569078725	-3.62824569	0.54966256	-1.450223687	0.6967743	0.433686	1.1349226	1.5758098	-1.2766939
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5170000000	2.251474735	1.204277184	-1.503903576	-3.86102642	-0.096183082	-4.068131519	0.7073097	0.4110526	0.9780965	0.3919105	-0.2614517
5170000000	2.251474735	1.256637061	-1.368678661	-3.558774246	-0.50421522	-5.555162357	0.7296795	0.4406792	0.8903863	0.7282811	-2.302491
5170000000	2.251474735	1.308996939	-1.502963357	-3.278626919	-0.961036973	-6.439198434	0.7074629	0.4700427	0.8014867	0.2270824	-2.584504
5170000000	2.251474735	1.361356817	-2.037453456	-3.032935189	-1.470312556	-6.643277778	0.6255394	0.4974008	0.7128017	0.2166069	-2.8980882
5170000000	2.251474735	1.413716694	-2.765776119	-2.76441465	-2.065551878	-7.129072001	0.5289595	0.5291253	0.6215053	0.1936836	-3.2945878
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5170000000	2.251474735	1.518436449	-3.181618353	-2.105278641	-3.678729167	-11.82720696	0.4806602	0.615846	0.4286739	0.0656567	-4.0043434
5170000000	2.251474735	1.570796327	-2.962934463	-1.908439035	-4.745234837	-15.58994051	0.505483	0.6440008	0.3353332	0.0276062	-4.2271873
5170000000	2.251474735	1.623156204	-2.928754014	-1.991870784	-5.950313162	-16.60191489	0.509477	0.6321395	0.2540789	0.021868	-4.5051749
5170000000	2.251474735	1.675156082	-3.13928802	-2.437088386	-7.122736559	-15.86028232	0.4853681	0.5705467	0.1939651	0.0259401	-4.9627061
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5170000000	2.251474735	1.780235837	-2.856496574	-4.069574569	-7.962181709	-11.28265784	0.5180246	0.3917803	0.1598755	0.0744276	-5.4359301
5170000000	2.251474735	1.832595715	-2.319364828	-4.664826142	-7.523765651	-7.730348632	0.5862239	0.3415996	0.1768575	0.1686418	-4.9712149
5170000000	2.251474735	1.884955									

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5170000000	2.303834613	-1.518436449	-4.090173728	-0.189557871	-2.930925068	-4.56263362	0.3899264	0.9572915	0.5092224	0.3497328	-2.5842036
5170000000	2.303834613	-1.466076572	-2.403546639	0.568206114	-2.919564666	-4.15306075	0.5749702	1.1397789	0.5105562	0.3843208	-1.584817
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5170000000	2.303834613	-1.361356817	-0.520438177	1.331802827	-2.832054684	-3.661623371	0.8870665	1.3588774	0.5209482	0.4036657	-0.9728323
5170000000	2.303834613	-1.308996939	-0.062318641	1.562269094	-2.721202272	-3.892797891	0.9857531	1.4329364	0.5344164	0.4080564	-0.7557051
5170000000	2.303834613	-1.256637061	0.422448932	1.793619423	-2.474136903	-4.09168547	1.1021606	1.5113392	0.5657002	0.3897907	-0.4951458
5170000000	2.303834613	-1.204277184	0.848459218	1.976617552	-2.068697407	-4.025634527	1.2157546	1.576383	0.6184581	0.3957642	-1.2515014
5170000000	2.303834613	-1.151917306	1.036207825	2.004560087	-1.643267498	-3.831535163	1.2694651	1.5865582	0.6849727	0.4138534	-0.0493004
5170000000	2.303834613	-1.09557429	1.09650169	1.815901128	-1.243674287	-3.858757735	1.2872123	1.5191131	0.7509873	0.4112673	-0.0342485
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5170000000	2.303834613	-0.837758041	3.332409699	0.241900623	1.570412542	-4.589983261	2.1539765	1.0572801	1.4356258	0.3475375	0.9642507
5170000000	2.303834613	-0.785398163	2.656140478	0.29299462	1.200789393	-3.980444287	1.8433765	1.0697923	1.6599232	0.3999038	0.945581
5170000000	2.303834613	-0.733038286	2.001746788	0.750700576	2.508521	-3.199619934	1.5855308	1.188694	1.7817179	0.478672	0.999109
5170000000	2.303834613	-0.680678408	1.846947293	1.502406497	2.468356438	-2.147257071	1.5300116	1.4133205	1.7653696	0.609922	1.2373927
5170000000	2.303834613	-0.628318531	2.093827759	2.196740915	2.192337792	-0.863794761	1.6195068	1.658342	1.6566615	0.8196351	1.5792083
5170000000	2.303834613	-0.575958653	2.36019756	2.564503704	1.908061121	0.330223154	1.7219469	1.8048885	1.5516941	1.0790022	1.8736662
5170000000	2.303834613	-0.523598776	2.515894647	2.538701805	1.830105705	1.087074869	1.7847996	1.7941972	1.5240898	1.2844213	2.0327146
5170000000	2.303834613	-0.471238898	2.609513544	2.220481247	1.990524074	1.265714044	1.8236914	1.667432	1.5813357	1.3383552	2.0485321
5170000000	2.303834613	-0.41887902	2.583858579	1.808891401	2.259997064	0.984452268	1.8129501	1.5166632	1.6826731	1.2544265	1.9497981
5170000000	2.303834613	-0.366519153	2.266615612	1.491220001	2.515547078	0.681270874	1.6852392	1.4096848	1.7846568	1.1515614	1.7833957
5170000000	2.303834613	-0.314159265	1.620640325	1.350667128	2.704896935	0.602673801	1.4523257	1.3647928	1.8641879	1.1488607	1.6362102
5170000000	2.303834613	-0.261799388	0.92000469	1.3883418	2.799128734	1.066808199	1.2359489	1.1023361	1.1923983	0.3149357	0.8539576
5170000000	2.303834613	-0.20943931	0.553444887	1.581914845	2.743259909	1.679196691	1.1359115	1.4394331	1.880728	1.4720402	1.7085647
5170000000	2.303834613	-0.157079633	0.502597866	1.874853566	2.493166904	1.2768298	1.1226898	1.5398746	1.7754837	1.6209451	1.8034407
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5170000000	2.303834613	-4.44E-16	-0.493607528	2.518695204	2.038146602	2.560234097	0.8925638	1.7859509	1.5988755	1.8031149	1.8187967
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5170000000	2.303834613	0.20943951	-0.05036535	2.529330072	3.270416933	3.188703262	0.9884699	1.7903297	2.1234483	2.0836866	2.4217583
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5170000000	2.303834613	0.471238898	1.3205687	2.696844442	0.792866731	2.675399357	1.3536669	1.8492024	1.2002913	1.8515691	1.9426658
5170000000	2.303834613	0.523598776	1.050870213	2.064608616	0.534497022	2.684570531	1.2737583	1.6086474	1.1309664	1.6922209	1.542408
5170000000	2.303834613	0.575958653	0.662794861	1.265996833	0.312529387	1.923289641	1.1648754	1.3384424	1.0752908	1.5571447	1.0854416
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5170000000	2.303834613	1.204277184	-2.001490319	-3.828198686	0.614484498	-5.181650965	0.6307409	0.4141714	1.1519893	0.3032738	-2.0408951
5170000000	2.303834613	1.256637061	-2.042708983	-3.726982931	0.028543943	-6.086015166	0.6247829	0.4239374	1.0491906	0.2578686	-2.2992536
5170000000	2.303834613	1.308996939	-2.311074169	-3.6286256	-0.316545187	-5.988087944	0.5873441	0.4336481	0.9297057	0.2518786	-2.5912901
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5170000000	2.303834613	1.780235837	-2								

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5170000000	2.35619449	-0.471238898	2.70683815	2.082484899	-0.851049412	-3.793179558	1.8650214	1.6512825	1.6662259	1.2003778	2.0050219
5170000000	2.35619449	-0.41887902	2.561924185	1.772395234	2.4981999	0.65361745	1.8038168	1.5039712	1.7775302	1.1624164	1.9366529
5170000000	2.35619449	-0.366519143	2.161317301	1.473814756	2.697843647	0.434696652	1.6448706	1.4004064	1.8611628	1.1052733	1.7720113
5170000000	2.35619449	-0.314159265	1.508287596	1.28916311	2.804730079	0.546996128	1.4152356	1.345601	1.9075372	1.134226	1.6156263
5170000000	2.35619449	-0.261799388	0.860965658	1.285052008	2.819484631	1.097983773	1.2192607	1.3443279	1.9140288	1.2876516	1.5875958
5170000000	2.35619449	-0.20943951	0.536429298	1.488214883	2.703791638	1.766200093	1.1314697	1.4087096	1.8637136	1.5018274	1.6921288
5170000000	2.35619449	-0.150707963	0.481962046	1.82978063	2.425771228	2.203759196	1.1173679	1.5239758	1.7481437	1.661024	1.7973209
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5170000000	2.35619449	-0.052359878	-0.006627593	2.396293184	1.972939739	2.366273639	0.9984751	1.7363182	1.5391962	1.7243577	1.7597167
5170000000	2.35619449	-4.44E-16	-0.493607648	2.518694059	2.038146441	2.560234218	0.8925637	1.7895908	1.5988755	1.803115	1.8187966
5170000000	2.35619449	0.052359878	-0.800158501	2.597391816	2.482146953	2.913575813	0.8317334	1.8186084	1.7709842	1.9559492	2.0257157
5170000000	2.35619449	0.104719755	-0.763762726	2.650169057	2.981809178	3.182047996	0.383733	1.8408437	1.97711012	2.0806776	2.2604253
5170000000	2.35619449	0.157079633	-0.483827585	2.62270016	3.240505218	3.208448751	0.894576	1.8292372	2.1088953	2.0933646	2.3842708
5170000000	2.35619449	0.20943951	-0.110711089	2.500880839	2.80065487	3.077827957	0.97483	1.7786401	2.1281711	2.0313408	2.3760544
5170000000	2.35619449	0.261799388	0.296601305	2.409417379	3.047809261	3.008313392	1.0706811	1.7415732	2.0173485	1.9990854	2.3227729
5170000000	2.35619449	0.314159265	0.728971089	2.500880493	3.256749476	3.072562944	1.1827613	1.77864	1.8098724	2.0288797	2.3045871
5170000000	2.35619449	0.366519143	1.150708788	2.711695008	1.963591338	3.097662124	1.3033795	1.8671083	1.5716619	2.0406391	2.293483
5170000000	2.35619449	0.41887902	1.463347904	2.778414523	1.360555646	2.997964504	1.4006667	1.8960136	1.368786	1.9489309	2.1843028
5170000000	2.35619449	0.471238898	1.531965152	2.490069587	0.954338863	2.469235872	1.4292725	1.7742179	1.2346214	1.7657271	1.9015927
5170000000	2.35619449	0.523598776	1.270731453	1.841601399	0.649112963	1.965676184	1.3399023	1.5281296	1.1612114	1.5691253	1.460015
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5170000000	2.35619449	0.680678408	0.260933676	0.215516278	0.210554539	0.318787576	1.0619238	1.0508764	1.0496765	1.0761647	0.2516668
5170000000	2.35619449	0.733038286	0.445816047	0.073284877	0.213647445	0.434696652	1.1081068	1.0170176	1.0504243	0.9047738	0.086345
5170000000	2.35619449	0.785398163	0.467823509	-0.174594642	0.399277693	-1.163425535	1.1137362	0.9605955	1.0962958	0.7684839	-0.0666173
5170000000	2.35619449	0.837758041	0.111948665	-0.575415545	0.702099873	-1.667663221	1.0261122	0.8759079	1.1749787	0.6811358	-0.2708766
5170000000	2.35619449	0.890117919	-0.529968377	-1.053088834	0.992048913	-2.001821543	0.8851221	0.7846773	1.2566227	0.6306928	-0.5096211
5170000000	2.35619449	0.942477796	-1.193622727	-1.542477351	1.19515448	-2.209943574	0.7596923	1.0705553	1.3167868	0.6011815	-0.7330832
5170000000	2.35619449	0.994837674	-1.68356375	-2.046278383	1.294623058	-2.365531458	0.6786465	0.6242696	1.3472938	0.5800252	-0.9282587
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5170000000	2.35619449	1.151917306	-2.596062167	-3.36861197	1.093739326	-3.698832036	0.5500394	0.4604037	1.2863398	0.4266943	-1.6692765
5170000000	2.35619449	1.204277184	-2.864284966	-3.534620866	0.8473165	-4.268652747	0.5170964	0.4431369	1.2154348	0.3742267	-1.9553775
5170000000	2.35619449	1.256637061	-3.124814577	-3.625206843	0.470685822	-4.53676654	0.4869883	0.4329896	1.1144705	0.3518223	-2.4155832
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5170000000	2.35619449	1.675516082	-3.708221584	-3.6511142	-7.036298234</						

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5170000000	2.460914245	-0.680678408	2.531410557	-1.276171083	-2.730588278	-2.599834697	1.7911875	0.7453888	1.685441	0.5459618	0.7660214
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5170000000	2.513274123	0.890117919	-0.530977085	-0.557160534	2.993458725	-4.02901091	0.8849165	0.8795974	1.9922593	0.3954567	-0.162214
5170000000	2.513274123	0.942477796	-1.061429103	-0.770052239	2.861625624	-4.04198173	0.7831719	0.8375192	1.9868385	0.3597329	-0.0356095
5170000000	2.513274123	0.994837674	-1.623470332	-1.009922582	2.803133267	-4.885485688	0.6881022	0.7925155	1.9068359	0.3246769	-0.3243675
5170000000	2.513274123	1.047197551	-2.298044452	-1.309870806	2.466887792	-5.278025923	0.5891089	0.7396075	1.7656263	0.2966179	-0.7173725
5170000000	2.513274123	1.099557429	-3.255847298	-1.625519682	1.9954199	-5.464855004	0.4725146	0.6877776	1.5832227	0.2841283	-1.209553
5170000000	2.513274123	1.151917306	-4.536598286	-1.874018096	1.395911546	-5.238515074	0.3518359	0.6495285	1.3790854	0.2993288	-1.7396108
5170000000	2.513274123	1.204277184	-5.837857336	-2.023633956	0.664926454	-4.578371753	0.2607442	0.6275331	1.1654474	0.3486479	-2.2145216
5170000000	2.513274123	1.256637061	-6.548833275	-2.130248274	-0.22939465	-3.808729869	0.2213689	0.6123154	0.9485507	0.4160323	-2.5997949
5170000000	2.513274123	1.308996939	-6.301274795	-2.272915802	-1.319480894	-3.305388118	0.2343541	0.5925274	0.7379925	0.4671552	-2.9413006
5170000000	2.513274123										

5170000000	2.565634	-2.251474735	-11.06627266	-6.585809329	-5.763911103	-3.968301669	0.0782299	0.2194922	0.2652216	0.4010235	-6.1799774
5170000000	2.565634	-2.199114858	-10.34658634	-7.083816174	-4.523525106	-4.414233016	0.0923297	0.1957124	0.3528966	0.3618901	-6.0083319
5170000000	2.565634	-2.14675498	-10.83723019	-8.57483223	-3.735527326	-3.506162325	0.0824664	0.1388407	0.4231041	0.2947025	-6.2934182
5170000000	2.565634	-2.094395102	-11.98342324	-10.32380803	-3.453046108	-3.13122867	0.063337	0.0928152	0.4515391	0.2436058	-6.7197877
5170000000	2.565634	-2.042035225	-11.32262582	-10.77623745	-3.58354673	-5.743978082	0.0737458	0.0863327	0.4427561	0.2664417	-6.6425317
5170000000	2.565634	-1.989675347	-8.579474729	-6.699536396	-3.743751104	-3.032772743	0.1386924	0.1071634	0.4223037	0.3689544	-5.8623535
5170000000	2.565634	-1.93731547	-6.500049075	-8.167914948	-3.838267132	-3.090649677	0.2238696	0.1524785	0.4132123	0.4803844	-4.9471608
5170000000	2.565634	-1.884955592	-5.78864579	-6.555581079	-3.733187302	-2.462299958	0.2637154	0.2210253	0.4233322	0.5672441	-4.3317467
5170000000	2.565634	-1.832595715	-6.091282785	-4.981894869	-3.467878437	-2.301614779	0.2459641	0.3175488	0.4499996	0.5886248	-3.9736026
5170000000	2.565634	-1.780235837	-6.319294223	-3.650967062	-3.104742325	-2.221584073	0.2333837	0.431423	0.4892443	0.5995723	-3.5812367
5170000000	2.565634	-1.72787596	-5.245666906	-2.684730955	-2.690343824	-1.877188238	0.2988363	0.5389232	0.5382272	0.6490545	-2.9562613
5170000000	2.565634	-1.675516082	-3.403264952	-2.038761202	-2.272730375	-1.338922977	0.4567447	0.625351	0.5925527	0.734696	-2.201611
5170000000	2.565634	-1.623156204	-1.88883614	-1.561540387	-1.90087678	-0.95613747	0.6473161	0.6979848	0.6455239	0.8024881	-1.559404
5170000000	2.565634	-1.570796327	-1.030743365	-1.118027945	-1.610716515	-0.886331051	0.7887251	0.7730315	0.6901259	0.8153928	-1.1530722
5170000000	2.565634	-1.518436449	-0.66142683	-0.699767557	-1.423148892	-0.97754635	0.8587313	0.8511836	0.7205848	0.7984074	-0.9300444
5170000000	2.565634	-1.466076572	-0.41485227	-0.413077597	-1.340012628	-0.981277049	0.9088972	0.9092687	0.7345117	0.7977601	-0.7695844
5170000000	2.565634	-1.413716694	-0.02600491	-0.363027116	-1.327446055	-0.840104735	0.99403	0.9198082	0.7366402	0.8241182	-0.6115559
5170000000	2.565634	-1.361356817	0.490049505	-0.548151472	-1.310659595	-0.698281526	1.1194506	0.881424	0.739493	0.8514749	-0.4674271
5170000000	2.565634	-1.308996939	1.032641518	-0.823007254	-1.200175908	-0.703842568	1.2684231	0.8273691	0.7585468	0.8503853	-0.3330409
5170000000	2.565634	-1.256637061	1.633393687	-0.983609935	-0.934794414	-0.905730626	1.4565969	0.7973317	0.8063444	0.8117587	-0.141211
5170000000	2.565634	-1.204277184	2.377410069	-0.979389505	-0.517733296	-1.256873889	1.7287851	0.7981069	0.8876192	0.7487074	-0.173693
5170000000	2.565634	-1.151917306	3.191553902	-0.977635543	-0.024813714	-1.65890628	2.0852368	0.7984293	0.9943027	0.6825106	0.5695051
5170000000	2.565634	-1.099557429	3.859392287	-1.137262379	0.440835641	-2.037416415	2.4318637	0.7961954	1.1068367	0.6255447	0.9112688
5170000000	2.565634	-1.047197551	4.216437595	-1.394137181	0.825165248	-2.37735785	2.6402421	0.7254146	1.2092512	0.5784479	1.1003014
5170000000	2.565634	-0.994837674	4.242341938	-1.506071406	1.86082758	-2.63540566	2.6560374	0.7095658	1.3064665	0.545079	1.1515599
5170000000	2.565634	-0.942477796	4.033298788	-1.389399869	1.519711604	-2.708208408	2.5312199	0.7262063	1.4189633	0.5360177	1.1497835
5170000000	2.565634	-0.890119719	3.733272151	-1.29831012	1.90579898	-2.6325581715	2.3622574	0.7415987	1.5508861	0.5450569	1.1392657
5170000000	2.565634	-0.837758041	3.457491451	-1.519045831	2.16746665	-2.642112087	2.169155	0.7084479	1.6659987	0.5442379	1.0822666
5170000000	2.565634	-0.785398163	3.263423295	-2.034379897	2.334669475	-2.82957497	1.2200916	0.6259822	1.7118656	0.52112457	0.9509305
5170000000	2.565634	-0.733038286	3.19428961	-2.404491968	2.256943909	-3.020604634	2.0865508	0.5748511	1.6814904	0.498815	0.82938
5170000000	2.565634	-0.680678408	3.27870568	-2.124486464	2.15550215	-2.127553914	2.1275049	0.6312183	1.6426696	0.5033226	0.8694095
5170000000	2.565634	-0.628318531	3.441452241	-1.323099721	2.26585553	-2.678934903	2.2087432	0.7373777	1.6849443	0.5396643	1.1149004
5170000000	2.565634	-0.575958653	3.511603587	-0.470113867	2.626569915	-2.177779032	2.2447106	0.8974053	1.8308678	0.6056505	1.4446789
5170000000	2.565634	-0.523598776	3.358223304	0.228673246	3.03268895	-1.52765151	2.1668175	1.0504068	2.0103371	0.7034526	1.7133673
5170000000	2.565634	-0.471238898	2.962497844	0.771818109	3.275920106	-0.850343251	1.978107	1.1944881	2.1258323	0.8221777	1.8473437
5170000000	2.565634	-0.41887902	2.380364395	1.136995347	3.291366911	-0.202094464	1.7299615	1.2992704	2.1337164	0.9328043	1.8296374
5170000000	2.565634	-0.366519143	1.698059043	1.258612364	3.141419768	0.117537695	1.4784475	1.3361685	2.0613037	1.0274336	1.6903878
5170000000	2.565634	-0.314159265	1.047767818	1.167736434	2.922120487	0.623047047	1.2728487	1.3084997	1.9598013	1.1542628	1.534652
5170000000	2.565634	-0.261799388	0.596225057	1.088858345	2.681107854	1.365981059	1.1471561	1.2849488	1.8540045	1.3696137	1.5042815
5170000000	2.565634	-0.20943951	0.405086785	1.290304331	2.406200261	1.241915751	1.0977635	1.3459547	1.7388423	1.6375387	1.6287038
5170000000	2.565634	-0.157079633	0.34149544	1.754067597	2.087245466	1.271778621	1.0818064	1.4976377	1.6170541	1.825063	1.7764911
5170000000	2.565634	-0.104719755	0.208949882	1.240260586	1.664309039	1.2664309039	1.0492886	1.6611952	1.526025	1.8468469	1.8208322
5170000000	2.565634	-0.052359878	-0.089669169	2.449395485	1.804291691	2.518109517	0.9795646	1.7576789	1.5150577	1.7857101	1.7883393
5170000000	2.565634	-4.44E-16	-0.493607711	2.518694927	2.038146588	2.502634477	0.8925637	1.7895908	1.5988755	1.8031151	1.8187967
5170000000	2.565634	0.052359878	-0.819852839	2.548406695	2.416233761	2.859683294	0.8279702	1.7982111	1.7443088	1.9318274	1.9744029
5170000000	2.565634	0.104719755	2.585953538	2.783310984	3.077477801	3.077477801	0.8120734	1.8138249	1.8981525	2.0311175	2.1452783
5170000000	2.565634	0.157079633	-0.740301822	2.544608561	3.038687394	2.974164294	0.8432762	1.7966391	2.0131157	1.983428	2.1987462
5170000000	2.565634	0.20943951	-0.435165789	2.327097859	3.127272685	2.70940726	0.9046559	1.7266718	2.0524509	1.866125	2.1417491
5170000000	2.565634	0.261799388	-0.06068468	2.183378128	3.00278997	2.657092372	0.986124	1.6532473	1.9965445	1.8437806	2.0949646
5170000000	2.565634	0.314159265	0.402015571	2.147891291	2.691495846	2.826380435	1.0969872	1.6397934	1.8584445	1.9170703	2.116741
5170000000	2.565634	0.366519143	0.984272041	2.232624143	2.852863907	2.781624243	1.2543745	1.6721006	1.6820015	1.8974154	2.1244686
5170000000	2.565634	0.41887902	1.603146998	2.203925002	2.203538585	2.210535855	1.4464875	1.6610875	1.5153883	1.6636179	1.9635454
5170000000	2.565634	0.471238898	2.061195138	1.881667779	1.942703654	1.256505222	1.6073835	1.5422926	1.3890036	1.3355204	1.6688875
5170000000	2.565634	0.523598776	2.18308438	1.297458634	1.196720876	0.804909292	1.6531354	1.39473358	1.3172618	1.1170955	1.3312586
5170000000	2.565634	0.575958653	1.93628575	0.670039398	1.174127117	0.192950348	1.5618114	1.1668202	1.3104266	1.0454302	1.0418727
5170000000	2.565634	0.628318531	1.472194537	0.25246489	1.389287913	0.10958515	1.4035227	1.0598551	1.3769837	0.9873251	0.8167908
5170000000	2.565634	0.680678408	1.050136077	0.057392843	1.803590062	-0.759712016	1.735453	1.0133029	1.5148129	0.8395157	0.645679
5170000000	2.565634	0.733038286	0.817511322	-0.092822586	2.038931759	-1.952283634	1.2071219	0.9788536	1.7017399	0.6379728	0.3562033
5170000000	2.565634	0.785398163	0.68526564	0.314999473	2.779945613	-3.260322414	1.1709182	0.9300366	1.8966822	0.472028	0.4821498
5170000000	2.565634	0.837758041	0.483308026	-0.567707149	3.127073422	-4.304779186	1.177143	0.877464	2.0545057	0.3680629	0.4314083
5170000000	2.565634	0.890117919	0.130377672	-0.752796272	3.31290973	-5.363963105	1.0304757	0.8408536	2.1443268	0.2908062	0.3206066
5170000000	2.565634	0.942477796	-0.356239391	-0.854952675	3.338064392	-6.630881168	0.9212469	0.8213055	2.1567829	0.217226	0.1247461
5170000000	2.565634	0.994837674	-0.958050397	-0.950159434	3.123888215	-7.878995535	0.8019543	0.8034966	2.0981611	0.1629334	-0.1473689
5170000000	2.565634	1.047197551	-1.750144869	-1.101501889	2.969440025	-8.220611711	0.6683216	0.7759787	1.9812715	0.1506395	-0.4863681
5170000000	2.565634	1.099557429	-2.837380744	-1.294555078	2.600542099	-7.273843341	0.5203097	0.7422401	1.819928	0.1673326	-0.8753278
5170000000	2.565634	1.151917306	-4.149610648	-1.465505048	2.111111654	-9.679709006	0.3846263	0.7135912	1.6259964	0.2692955	-1.2588394
5170000000	2.565634	1.204277184	-5.254767872	-1.577596288	1.48567342	-4.149902563	0.2982107	0.6954091	1.4078855	0.3846004	-1.570624
5170000000	2.565634	1.256637061	-5.573236243	-1.666001564	0.694788606	-2.974406155	0.2771254	0.68813964	1.1734886	0.5041496	-1.8108823
5170000000	2.565634	1.308996939	-5.092588								

5170000000	2.617993878	-2.35619449	-13.50224292	-8.312305372	-8.733085899	-4.158794875	0.0446453	0.1474923	0.1338725	0.3838137	-7.5090938
5170000000	2.617993878	-2.303834613	-11.064963	-6.657913886	-7.455136364	-4.670315274	0.0782535	0.2158781	0.1796745	0.3411681	-6.9091613
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5170000000	2.617993878	-2.14675498	-13.35119286	-6.780072126	-3.911075249	-6.463044855	0.0462254	0.2098905	0.4063427	0.2558522	-6.5352779
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5170000000	2.617993878	-1.93731547	-6.262694744	-8.36750889	-3.968511862	-2.018578992	0.2364452	0.1456294	0.4010041	0.6282639	-4.5242753
5170000000	2.617993878	-1.884955592	-6.53353254	-6.708293493	-3.768188288	-1.696393216	0.2221502	0.2133883	0.4199341	0.6766447	-4.1676796
5170000000	2.617993878	-1.832595715	-7.459521699	-5.097973468	-3.143092675	-1.73435909	0.1794931	0.3091738	0.4557123	0.6705753	-3.9385131
5170000000	2.617993878	-1.780235837	-6.896259194	-3.774153958	-3.001955822	-1.622411139	0.2043497	0.4193577	0.5009616	0.6882701	-3.4367678
5170000000	2.617993878	-1.72787596	-4.720569611	-2.850463955	-2.567090915	-1.149269477	0.3372431	0.5187446	0.5537209	0.7674906	-2.6416183
5170000000	2.617993878	-1.675516082	-2.768785262	-2.293721829	-2.121878262	-0.626910387	0.5285931	0.5896955	0.6134966	0.8655835	-1.8752639
5170000000	2.617993878	-1.623156204	-1.63866437	-1.961685358	-1.703841055	-0.41324372	0.6856991	0.6365484	0.6755513	0.9092339	-1.3861156
5170000000	2.617993878	-1.570796327	-1.184866272	-1.692325537	-1.369039698	-0.547488308	0.7612256	0.6772787	0.7296188	0.8815586	-1.1780548
5170000000	2.617993878	-1.518436449	-0.957259117	-1.42217979	-1.167535884	-0.786414283	0.8021842	0.7207456	0.7642693	0.8343698	-1.0768707
5170000000	2.617993878	-1.466076572	-0.507982571	-1.226268762	-1.109379424	-0.861550232	0.8896143	0.7540031	0.7745725	0.8200588	-0.917498
5170000000	2.617993878	-1.413716694	0.187673405	-1.21958561	-1.14781362	-0.753422652	1.0416107	0.7551643	0.7677479	0.8407323	-0.6958523
5170000000	2.617993878	-1.361356817	0.887184175	-1.423133534	-1.187513355	-0.648948333	1.2266437	0.7205874	0.7607617	0.8612023	-0.4948971
5170000000	2.617993878	-1.30899639	1.515864301	-1.702198158	-1.217357849	-0.699977316	1.4177068	0.6757409	0.7720834	0.8511425	-0.3109557
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5170000000	2.617993878	-1.204777184	3.009178278	-1.858692801	-0.495908202	-1.085769307	1.9994835	0.6518246	0.8920911	0.7787948	0.3364426
5170000000	2.617993878	-1.159171306	3.777729069	-1.916834925	-0.025562678	-1.113083189	2.386563	0.60431563	0.9941395	0.7739122	0.7897952
5170000000	2.617993878	-1.099557429	4.266980125	-2.213851461	-0.184660324	-0.016266489	2.6711484	0.6636408	1.011996	0.7913586	1.0995446
5170000000	2.617993878	-1.047197551	4.369726798	-2.643650674	0.788533084	-0.989417019	2.7350967	0.5440045	1.1990942	0.7962662	1.2012149
5170000000	2.617993878	-0.994837674	4.164347699	-2.819774253	1.118086959	-0.41324372	2.6087639	0.5224233	1.2936259	0.7702363	1.1352969
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5170000000	2.617993878	-0.837758041	3.61912937	-2.108628028	2.119452279	-1.989105528	2.3009805	0.6153712	1.6290906	0.6325421	1.1210075
5170000000	2.617993878	-0.785398163	3.61313601	-2.312967357	2.241440249	-2.524254764	2.2978073	0.5870881	1.6754984	0.5592095	1.0717631
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5170000000	2.670353756	0.366519143	0.636658288	1.911590907	2.735494947	2.624299311	1.1578861	1.5529558	1.687392	1.8299108	1.9233636
5170000000	2.670353756	0.41887902	1.261590809	1.964673263	1.968809372	1.936751353	1.3370852	1.5004841	1.5735514	1.5619141	1.7775538
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5170000000	2.670353756	0.733038286	1.716382789	-0.849793788	2.038809513	-0.993639386	1.4846985	0.8222817	1.5991196	0.6318821	0.5480277
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5170000000	2.670353756	0.837758041	1.408891845	-1.514993239	2.605703984	-0.844394934	1.3832134	0.7055059	1.8220924	0.2603518	0.1819722
5170000000	2.670353756	0.890117919	1.034036306	-1.606525777	2.76980924	-7.091190082	1.2688306	0.6907922	1.8534502	0.1953804	0.0091684
5170000000	2.670353756	0.942477796	0.446116645	-1.433531707	2.613295296	-7.508455375	1.1081835	0.7188642	1.8252801	0.1774821	-0.1888278
5170000000	2.670353756	0.994837674	-0.345844214	-1.148893143	2.658289122	-6.489821653	0.9234547	0.7675571	1.7606901	0.2243974	-0.3667727
5170000000	2.67035375										

5170000000	2.722713633	-2.565634	-15.46359064	-13.1155609	-9.727815016	-4.418463194	0.0284211	0.0488027	0.1064679	0.3615378	-8.6548069
5170000000	2.722713633	-2.513274123	-14.79509082	-10.4771336	-9.830196266	-3.790007247	0.0331506	0.0895956	0.1039873	0.04178297	-7.9279452
5170000000	2.722713633	-2.460914245	-14.52808947	-9.754452982	-9.753067456	-3.906399566	0.0352526	0.1058168	0.1058056	0.04067804	-7.8668123
5170000000	2.722713633	-2.408554368	-13.35426896	-10.55835838	-9.089546669	-4.897895639	0.0461927	0.0879355	0.1232334	0.3237505	-8.3773289
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5170000000	2.722713633	-2.303834613	-9.89896647	-9.392808996	-7.017571654	-7.711304796	0.1023537	0.1150056	0.1987206	0.1693829	-8.3456077
5170000000	2.722713633	-2.251474735	-9.610211393	-7.20266999	-5.927977246	-7.339486384	0.1093903	0.1500429	0.2553891	0.1845234	-7.3285673
5170000000	2.722713633	-2.199114858	-10.32016313	-6.024392803	-4.907406685	-6.369997845	0.0928931	0.2497818	0.3230422	0.2306748	-6.4956203
5170000000	2.722713633	-2.14675498	-10.42543949	-5.873208744	-4.19705952	-5.38534574	0.0906684	0.2586301	0.3804516	0.3804516	-5.9384509
5170000000	2.722713633	-2.094395102	-8.454307763	-6.448155235	-3.974701013	-4.17522692	0.1427477	0.2265606	0.400433	0.3823643	-5.4056767
5170000000	2.722713633	-2.042035225	-6.274527233	-7.388276983	-4.21376903	-2.912441197	0.2358019	0.1824619	0.3789859	0.5113943	-4.8523845
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5170000000	2.722713633	-1.93731547	-5.308388226	-8.862590944	-4.84059316	-1.957954188	0.2945515	0.1299394	0.3280505	0.6370956	-4.5915865
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5170000000	2.722713633	-1.832595715	-5.44234083	-7.045981008	-4.048642014	-2.728096953	0.2856051	0.1974249	0.3936732	0.5334691	-4.5278782
5170000000	2.722713633	-1.780235837	-4.050582297	-5.551556077	-3.442208561	-2.47989761	0.3934973	0.2785123	0.4526673	0.5649503	-4.7326909
5170000000	2.722713633	-1.72787596	-2.901143368	-4.457136312	-2.866402003	-1.871339521	0.5127264	0.3583326	0.5168444	0.6499292	-2.9289149
5170000000	2.722713633	-1.675516082	-2.482832012	-3.881126277	-2.33537188	-1.519500458	0.5645687	0.4091455	0.5840672	0.7047741	-2.4745901
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5170000000	2.722713633	-1.832597118	3.501249326	-3.300897435	-0.788667328	-1.491986282	2.2393652	0.4676385	0.833937	0.7092533	0.2634877
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5170000000	2.722713633	0.942477796									

5170000000	2.775073511	-2.670353756	-16.90260434	-19.43528336	-10.86912135	-6.646834684	0.0204051	0.0113886	0.081863	0.2164295	-10.834324
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5170000000	2.775073511	-1.308996939	1.819028947	-5.406621025	-1.994288676	-2.100240301	1.5202076	0.2978886	0.6317877	0.6165609	-1.1683276
5170000000	2.775073511	-1.256637061	2.515578172	-5.036266617	-1.953648273	-2.047230561	1.7846696	0.3140056	0.6992543	0.6241327	-0.677721
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5170000000	2.827433388	0.523598776	0.523598776	0.921056888	2.420461796	0.603989551	1.131446	1.2362482	1.7496299	1.1492088	-1.3421958
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5170000000	2.827433388	0.628318531	1.850576944	-0.781301937	2.61211252	0.530573736	1.5121909	0.8353526	1.8247831	1.1299452	-1.2396361
5170000000	2.827433388	0.680678408	1.974957657	-1.614489978	2.624720339	-0.753129444	1.5757807	0.6895266	1.8300883	0.8407891	-0.913314
5170000000	2.827433388	0.733038286	1.937								

5170000000	2.879793266	-2.879793266	-19.47283533	-13.02792431	-13.46907297	-8.207367211	0.0112906	0.0497975	0.0449876	0.1510996	-11.9183808
5170000000	2.879793266	-2.827433388	-20.73932078	-13.24104604	-13.29439683	-7.715993185	0.0084347	0.0474128	0.0468339	0.1692001	-11.676804
5170000000	2.879793266	-2.775073511	-18.3076012	-17.0154932	-13.30326806	-7.622204676	0.0147652	0.0198857	0.0467383	0.1728938	-11.967425
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5170000000	2.879793266	-2.670353756	-13.24883834	-15.82509999	-12.87888734	-5.83027892	0.0473278	0.0265111	0.0515361	0.2611994	-10.152316
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5170000000	2.879793266	-2.565634	-11.7314989	-9.26412328	-9.422404117	-5.114148262	0.0671197	0.1184641	0.1142246	0.3080244	-8.1827583
5170000000	2.879793266	-2.513274123	-10.58071188	-7.795543901	-6.669575206	-5.685925925	0.087484	0.1661291	0.1358446	0.2700271	-7.8285156
5170000000	2.879793266	-2.460914245	-9.254931114	-7.03443927	-6.872431507	-7.039741201	0.1187154	0.1979503	0.1454644	0.1728938	-7.8262214
5170000000	2.879793266	-2.408554368	-8.386976393	-7.2144432742	-7.804493508	-9.131496606	0.1449781	0.1899139	0.1657871	0.1221379	-8.076996
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5170000000	2.879793266	-2.094395102	-8.89683446	-8.862749811	-3.944068402	-4.459469639	0.1289189	0.1299347	0.4032674	0.3581402	-5.9334864
5170000000	2.879793266	-2.042035225	-9.139229058	-8.606721657	-4.324808448	-5.204440907	0.1219206	0.1378249	0.3694189	0.3016865	-6.4317982
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5170000000	2.879793266	0.62									

5170000000	2.932153143	-2.984513021	-16.51269522	-19.36204786	-13.61909756	-10.87274381	0.02232319	0.01158823	0.0434601	0.0817948	-14.002288
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5170000000	2.932153143	-2.35619449	-8.611400509	-7.393021317	-6.881987302	-7.610079831	0.1376765	0.1822627	0.2050224	0.1733772	-7.5799378
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5170000000	2.984513021	0.41									

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5170000000	3.368672899	-3.141592654	-17.2706165	-18.17238716	-17.28455381	-15.91291246	0.0187473	0.0152322	0.0186872	0.0256276	-17.083298
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5170000000	3.368672899	-2.617993878	-9.538883118	-10.21962352	-10.1155349	-5.551714051	0.1112018	0.0950687	0.0629281	0.2785022	-8.6351664
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5170000000	3.368672899	-2.251474735	-6.938539762	-7.644193379	-5.202926422	-3.102118814	0.2023699	0.1720207	0.2898955	0.5485926	-5.1824261
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5170000000	3.089232776	-1.675516082	-3.615355563	-8.227547091	-2.419937362	-1.736858072	0.4349751	0.1503991	0.5727995	0.6703694	-3.3995477
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5170000000	3.089232776	-1.570796327	-3.759353802	-6.351010886	-1.709094041	-2.418864318	0.4207892	0.2316855	0.6746687	0.5729458	-3.2328598
5170000000	3.089232776	-1.518436449	-3.627995426	-4.762279339	-1.550326364	-2.505837063	0.433711	0.3340197	0.6997787	0.561586	-2.9475751
5170000000	3.089232776	-1.46076572	-3.21008233	-3.09541283	-1.498179461	-2.245670225	0.5357865	0.4902819	0.7082426	0.5962563	-2.3459834
5170000000	3.089232776	-1.413716694	-1.477251947	-1.688134181	-1.48665004	-1.838841821	0.7116637	0.6779327	0.7101334	0.6548108	-1.6201802
5170000000	3.089232776	-1.361356817	-0.408780977	-0.68052302	-1.406361428	-1.636084617	0.9101687	0.8549637	0.7233576	0.6861065	-1.0036899
5170000000	3.089232776	-1.308996939	0.439520015	-0.083048416	-1.148671831	-1.874176213	1.1065015	0.9810591	0.7675962	0.6495048	-0.574139
5170000000	3.089232776	-1.256637061	0.121569271	-0.677098004	-1.2516965497	-1.65965497	1.3226278	1.0292406	0.8556383	0.5601489	-0.259888
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5170000000	3.089232776	-1.099557429	3.224912911	-2.216509088	1.271175978	-4.103187356	2.1013156	0.6002734	1.3400395	0.3887597	0.4438179
5170000000	3.089232776	-1.047197551	3.386350229	-4.678691394	1.856156729	-4.571089401	2.1808963	0.3405108	1.5332595	0.3490527	0.4175965
5170000000	3.089232776	-0.994837674	3.232290142	-8.50631534	2.362540262	-5.261573447	2.1048881	0.1410485	1.722876	0.2977438	0.280175
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5503000000	0	0.20943951	1.11544605	0.566026782	0.721411126	1.2983895	1.2928395	1.1392071	1.1807042	1.5314559	-0.9378986
5503000000	0	0.261799388	1.647768124	0.768569033	0.72409827	0.973195868	1.4614259	1.1935948	1.181435	1	

5503000000	0	2.827433388	-11.34046384	-10.34835556	-8.946158848	-7.020819985	0.0734435	0.0922921	0.127463	0.198572	-9.1029742
5503000000	0	2.879793266	-10.25392305	-12.09862131	-9.243810856	-7.577435921	0.0943208	0.0616791	0.1190197	0.1746853	-9.491321
5503000000	0	2.932153143	-10.34015438	-17.4497873	-9.692542867	-8.481824674	0.0924665	0.0179896	0.1073361	0.1418461	-10.46194
5503000000	0	2.984513021	-11.83909419	-23.57075374	-10.61584156	-10.48431938	0.0654773	0.0043947	0.0867792	0.0894475	-12.109508
5503000000	0	-10.36872899	-14.85009112	-22.3996461	-12.78973115	-14.10435516	0.0327334	0.0057544	0.052605	0.0388655	-14.882559
5503000000	0	3.089232766	-19.23714046	-29.16044587	-15.96833852	-19.19469732	0.0119203	0.0012133	0.0253027	0.0120373	-18.989964
5503000000	0	3.141592654	-24.03857058	-21.4203936	-18.06654247	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.052359878	-3.141592654	-24.03857033	-21.42039338	-18.06654221	-21.99383234	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.052359878	-3.089232776	-27.30482302	-16.11483865	-18.47064236	-22.01402699	0.00186	0.0244634	0.0142212	0.0062892	-19.315007
5503000000	0.052359878	-3.036872899	-23.5698081	-16.43002643	-18.43300934	-24.14353884	0.0043956	0.0227508	0.014345	0.0038516	-19.455493
5503000000	0.052359878	-2.984513021	-19.36524937	-18.97009194	-18.56131868	-26.58310902	0.0115738	0.0126763	0.0139273	0.0021963	-19.59562
5503000000	0.052359878	-2.932153143	-16.86631372	-14.14733905	-20.18827655	-18.10125937	0.0205764	0.0384827	0.0095757	0.0154837	-16.771683
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5503000000	0.052359878	-2.827433388	-14.70507708	-10.99401964	-20.47647581	-9.210597286	0.0338448	0.0795423	0.0089609	0.1199334	-12.177398
5503000000	0.052359878	-2.775073511	-13.65760775	-12.99262536	-17.47914075	-8.200457266	0.0430764	0.0502039	0.0178684	0.1513402	-11.829491
5503000000	0.052359878	-2.722713633	-12.33753805	-11.3354671	-14.96970701	-9.293622945	0.0583776	0.0735281	0.0318442	0.1176624	-11.52717
5503000000	0.052359878	-2.670352756	-11.43907826	-8.15017358	-12.28407845	-13.21811619	0.0717947	0.1531026	0.0591006	0.0476638	-10.813647
5503000000	0.052359878	-2.617993878	-11.43266441	-6.880171428	-9.806977955	-20.68712831	0.0271908	0.2051081	0.1045447	0.0089366	-10.108949
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5503000000	0.052359878	-2.251474735	-9.106508923	-5.861789414	-3.271224889	-7.313075743	0.1282426	0.2981111	0.4708447	0.1856489	-8.5559187
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5503000000	0.052359878	-1.989675347	-4.908111777	-4.598170992	-3.407461052	-6.019830641	0.3229898	0.3468829	0.4563036	0.2500443	-4.6337194
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5503000000	0.052359878	-1.675516082	-4.126462778	-4.320798423	0.204532694	-5.830102618	0.3866818	0.3697602	1.048222	0.26121	-2.8876651
5503000000	0.052359878	-1.623156204	-3.495271864	-4.231675694	0.33907427	-4.624787993	0.4471702	0.3774265	1.0799179	0.3447634	-2.5001685
5503000000	0.052359878	-1.57196327	-2.907344806	-4.145810902	0.033470387	-5.56343465	0.3119948	0.3849629	1.0077366	0.4538848	-2.2940954
5503000000	0.052359878	-1.518436449	-2.162031106	-3.9289214	-0.3327311462	-2.170894494	0.6078507	0.4046764	0.9262472	0.6066114	-1.9630641
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5503000000	0.104719755	-3.089232776	-27.59047955	-16.12277411	-18.23836923	-22.42098213	0.0017416	0.0244189	0.0150025	0.0057267	-19.309824
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5503000000	0.104719755	-1.832595715	-4.340162717	-4.750776578	-2.354464715	-8.761807056	0.3681152	0.3349055	0.5760412	0.1329901	-4.522093
5503000000	0.104719755	-1.780235837	-4.240870599	-4.737832189	-1.899789285	-8.249626343	0.3766283	0.3359052	0.6456856	0.1496364	-4.2370026
5503000000	0.104719755	-1.72787596	-3.941993128	-4.534571121	-1.049543068	-6.269762715	0.4034602	0.3520002	0.7853183	0.2360607	-3.5241183
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5503000000	0.157079633	-0.628318531	1.95866716	-1.601245521	2.09494726	0.593970669	1.5698809	0.6916326	1.6199243	1.1465607	0.9933516
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5503000000	0.157079633	-0.41887902	1.771567575	0.072328	1.8416306	0.973659853	1.5036846	1.0167936	1.5281397	1.2513131	1.2221022
5503000000	0.157079633	-0.366519143	1.778932763	0.555425609	1.699009701	1.603814552	1.5062369	1.1364297	1.4787712	1.4467099	1.4365075
5503000000	0.157079633	-0.314915265	1.678418772	0.574188018	1.46735094	1.909968347	1.4717765	1.1896489	1.4019583	1.5523757	1.473485
5503000000	0.157079633	-0.26179388	1.499320425	0.593208263	1.512466692	1.898473718	1.4123165	1.1463595	1.3039072	1.5482774	1.3120595
5503000000	0.157079633	-0.20943951									

5503000000	0.157079633	2.513274123	-14.40875477	-7.538876213	-7.52291484	-5.815314936	0.0362347	0.1762432	0.1768921	0.2621009	-7.8816496
5503000000	0.157079633	2.565634	-16.07848977	-9.702748275	-7.8775569	-7.649605878	0.024669	0.1070841	0.1630213	0.1718064	-9.331331
5503000000	0.157079633	2.617993878	-13.27224425	-13.88082413	-8.84750108	-8.009722258	0.0470734	0.4009183	0.1303917	0.1583139	-10.262739
5503000000	0.157079633	2.670353756	-12.50039011	-17.12680338	-9.678053323	-7.446804664	0.0562291	0.0193785	0.1076948	0.1800195	-10.417685
5503000000	0.157079633	2.722713633	-12.73929788	-12.4581564	-9.474508619	-7.061937039	0.0532194	0.0567786	0.1128624	0.1967009	-9.7926464
5503000000	0.157079633	2.775073511	-11.97772602	-9.495414449	-9.055193144	-6.882959175	0.0634202	0.1123204	0.1243027	0.2049765	-8.987516
5503000000	0.157079633	2.827433388	-10.40852834	-9.125742997	-9.27966004	-6.838472925	0.0910222	0.1222998	0.1182234	0.2070869	-8.7076762
5503000000	0.157079633	2.879793266	-9.488664968	-11.28392674	-9.754575691	-7.189134715	0.1124951	0.0740459	0.1058138	0.1910234	-9.1744663
5503000000	0.157079633	2.932153143	-9.763798588	-16.64356458	-10.15804958	-8.287060848	0.1055894	0.0216593	0.0964262	0.1483522	-10.314855
5503000000	0.157079633	2.984513021	-11.32593792	-23.29528226	-11.29623445	-10.4797485	0.0736896	0.0046824	0.0741953	0.0895417	-12.18049
5503000000	0.157079633	3.036872899	-14.18689816	-23.07108614	-13.89036573	-14.15158037	0.0381338	0.0049305	0.0408285	0.0384452	-14.154896
5503000000	0.157079633	3.089232776	-18.36985103	-30.81355709	-16.98750741	-19.12369108	0.0145551	0.0008292	0.0200101	0.0122358	-19.241783
5503000000	0.157079633	3.141592654	-24.03857056	-21.42039328	-18.06654221	-21.9938325	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.20943951	3.141592654	-24.03857037	-21.42039329	-18.06654243	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.20943951	-3.089232776	-27.75663551	-16.14832217	-17.77656	-23.29033422	0.0016762	0.0242755	0.0166857	0.0046878	-19.269678
5503000000	0.20943951	-3.036872899	-22.15805166	-16.28925547	-17.45812172	-27.97249842	0.0060841	0.0235004	0.0179551	0.001595	-19.106735
5503000000	0.20943951	-2.984513021	-18.60275789	-18.74770299	-17.53547227	-34.94281136	0.0137951	0.0133423	0.0176381	0.0003204	-19.479229
5503000000	0.20943951	-2.932153143	-16.85897404	-14.27128439	-18.28433211	-21.37435641	0.0206112	0.0374	0.0148445	0.0072873	-16.981946
5503000000	0.20943951	-2.879793266	-16.03347543	-10.73960658	-18.50086342	-14.49104689	0.024926	0.0843411	0.0141226	0.0355546	-14.008152
5503000000	0.20943951	-2.827433388	-15.70784125	-10.34974787	-17.34694781	-10.61537518	0.0268668	0.0922625	0.0184207	0.0868246	-12.150864
5503000000	0.20943951	-2.775073511	-15.09178346	-12.21564604	-16.04827342	-9.009603486	0.0268668	0.0922625	0.0184207	0.0868246	-12.150864
5503000000	0.20943951	-2.722713633	-12.83147773	-12.42865521	-14.69402748	-9.6135185	0.0521017	0.0571656	0.0303931	0.109307	-11.997893
5503000000	0.20943951	-2.670353756	-9.970509315	-9.620756251	-12.36244656	-10.07256313	0.1006814	0.109125	0.0580437	0.0492883	-11.008112
5503000000	0.20943951	-2.617993878	-7.975367763	-7.909355075	-9.816194194	-23.01414354	0.1593908	0.161832	0.1043231	0.0049956	-9.6804495
5503000000	0.20943951	-2.565634	-7.076595779	-7.702908367	-8.159819111	-18.45198111	0.1960381	0.1697107	0.1523742	0.0142824	-8.7581753
5503000000	0.20943951	-2.513274123	-7.00287176	-8.308047397	-7.977968761	-12.12403558	0.1993943	0.147637	0.1746639	0.0613192	-8.3638068
5503000000	0.20943951	-2.460914245	-7.36071303	-8.828929954	-7.542514751	-9.650552224	0.1836237	0.130905	0.1760956	0.1083789	-8.2459795
5503000000	0.20943951	-2.40854368	-7.93896984	-8.623145176	-7.17776156	-8.89256006	0.1607322	0.1373047	0.1915243	0.1290458	-8.106451
5503000000	0.20943951	-2.35619449	-8.910490031	-7.698053065	-6.045721325	-9.244530456	0.1285142	0.1699005	0.2485581	0.119	-7.860335
5503000000	0.20943951	-2.303834613	-10.53064411	-6.590165019	-4.69177208	-9.921150436	0.0884984	0.2192722	0.3394867	0.1018322	-7.275269
5503000000	0.20943951	-2.251474735	-12.27716787	-5.892630827	-3.777147078	-9.301713099	0.0591948	0.2574761	0.4190688	0.1174434	-6.7101778
5503000000	0.20943951	-2.199114858	-12.18843437	-5.88267069	-3.598413739	-7.297162439	0.0604166	0.2580673	0.4366753	0.1863304	-6.282445
5503000000	0.20943951	-2.14675498	-10.43672802	-6.377356329	-4.052597723	-5.39386292	0.0904331	0.2302843	0.3933147	0.288811	-6.00827
5503000000	0.20943951	-2.094395102	-8.957074808	-6.673719235	-4.474769376	-4.172468177	0.1271443	0.2150939	0.3568807	0.3826072	-6.6794319
5503000000	0.20943951	-2.042035225	-8.234451165	-6.226709105	-4.096438265	-3.649445277	0.1501602	0.2384125	0.3893643	0.4315742	-5.1945006
5503000000	0.20943951	-1.989675347	-8.04094588	-5.47587634	-3.799271098	-3.799271098	0.1570021	0.2834082	0.467657	0.4169394	-4.7984195
5503000000	0.20943951	-1.93731547	-7.903222171	-4.972006219	-2.878348509	-4.733894708	0.1626007	0.3182772	0.5154246	0.3620099	-4.7756622
5503000000	0.20943951	-1.884955592	-7.237328318	-4.728174724	-2.897861983	-6.768470952	0.1889153	0.336653	0.5131139	0.2095815	-5.0575363
5503000000	0.20943951	-1.832595715	-5.876557044	-4.458726195	-2.74835512	-10.51287228	0.2584308	0.3582015	0.531086	0.0888613	-5.0983791
5503000000	0.20943951	-1.780235837	-4.331929308	-4.003590914	-1.955355512	-14.21983186	0.3688137	0.3977781	0.6374769	0.378457	-4.4312049
5503000000	0.20943951	-1.72787596	-3.093360451	-3.502095838	-0.903147442	-10.5644978	0.4905282	0.4464681	0.8122417	0.0878113	-3.7393921
5503000000	0.20943951	-1.675516082	-2.230864505	-3.155354152	-0.124291535	-6.543357219	0.5982925	0.4835758	0.9717865	0.2216482	-2.4502075
5503000000	0.20943951	-1.623156204	-1.519461761	-3.003569494	0.221294493	-3.916972759	0.7047804	0.5007755	1.0522755	0.4057913	-1.7658729
5503000000	0.20943951	-1.570796327	-0.749140163	-2.925143408	0.241889094	-2.062349838	0.8415617	0.5099008	1.0572773	0.6219637	-1.2051654
5503000000	0.20943951	-1.518436449	0.026039112	-2.765840105	-0.35335549	-0.659439832	1.0060137	0.5289517	1.0316528	0.8591243	-0.6730527
5503000000	0.20943951	-1.466076572	0.19940931	-2.484308394	-0.002101694	-0.639394928	1.1534376	0.5648768	0.9995162	1.0806895	-0.2250315
5503000000	0.20943951	-1.413716694	0.991145128	-2.174290295	-0.221419017	0.843426096	1.2563612	0.6061372	0.9502942	1.2143465	0.0293664
5503000000	0.20943951	-1.361356817	1.317749073	-1.949135572	-0.546909985	0.790346753	1.3544872	0.6383905	0.881676	1.2003411	0.0805641
5503000000	0.20943951	-1.308996939	1.834761604	-1.82923116	-0.847440609	0.261028823	1.5257246	0.6562614	0.8227274	1.0619471	0.0717793
5503000000	0.20943951	-1.256637061	2.559706187	-1.733414084	-0.9390107	0.8028309561	1.8028958	0.6790912	0.8055619	0.9019221	0.1924937
5503000000	0.20943951	-1.204277184	3.266529582	-1.579861281	-0.830555344	-0.944353519	2.1215485	0.6950465	0.8259323	0.8045715	0.4601679
5503000000	0.20943951	-1.151971306	3.737640889	-1.404643955	-0.723324881	-1.197379179	2.3646349	0.7236617	0.846579	0.7590355	0.6947487
5503000000	0.20943951	-1.099557429	3.928382355	-1.365823534	-0.718090018	-1.524966084	2.4708037	0.7301593	0.8476001	0.7038877	0.7485764
5503000000	0.20943951	-1.047197551	3.94653949	-1.632743125	-0.670117874	-1.52557681	2.4811553	0.6863646	0.8570146	0.6826983	0.6571999
5503000000	0.20943951	-0.994837674	3.922247513	-2.247052346	-0.36473999	-2.32320285	2.4673159	0.5960666	0.9232642	0.5857061	0.5807973
5503000000	0.20943951	-0.942477796	3.871622369	-3.001175167	0.280813004	-2.248126237	2.4387217	0.5010516	1.0667958	0.5959192	0.609327
5503000000	0.20943951	-0.890117919	3.6912729	-3.48920889	0.97575838	-2.156079377	2.3395228	0.4477949	1.2524426	0.6086842	0.6524767
5503000000	0.20943951	-0.837758041	3.280033342	-3.513494948	1.493802293	-2.170676593	2.281554	0.4452978	1.4105232	0.6066418	0.5981118
5503000000	0.20943951	-0.785398163	2.670017969	-3.228750299	1.754896072	-1.6289294	1.8492763	0.475472	1.4979234	0.6872378	0.5210784
5503000000	0.20943951	-0.733038286	2.077914675	-2.719790091	1.848279996	-0.311657076	1.6135836	0.5345902	1.5304812	0.9307527	0.6158133
5503000000	0.20943951	-0.680678408	1.755142219	-1.970107809	1.920392092	0.842674811	1.4980083	0.635315	1.5496699	1.2141364	0.7888161
5503000000	0.20943951	-0.628318531	1.710695831	-1.172247288	1.962824688	0.14244627	1.4827556	0.7634406	1.5713845	1.3009021	1.0708127
5503000000	0.20943951	-0.575958653	1.753309023	-0.620448896	1.982913968	0.598389018	1.4973761	0.8668723	1.5786701	1.1472778	0.9471294
5503000000	0.20943951	-0.523598776	1.774797886	-0.385262404	1.932029033	0.505551092	1.5048035	0.915111	1.5602813	0.9872903	0.9407766
5503000000	0.20943951	-0.471238898	1.809046612	-0.232019516	1.858641955	0.187181699	1.5167174	0.9479775	1.5341372	1.0404425	1.0061818
5503000000	0.20943951	-0.41887902	1.874128902	0.102490516	1.811708882	0.176187358	1.5396177	1.02388	1.5176474	1.2817955	1.2734299
5503000000	0.20943951	-0.366519143	1.884923219	0.522381083	1.737977774	1.760694774	1.5434491	1.178156	1.4920995	1.4999248	1.5100873
5503000000	0.20943951	-0.315915265	1.762328963	0.72178104	1.533081699	1.967274968					

5503000000	0.20943951	2.408554368	-5.883260137	-7.032943212	-7.775876503	-3.866851611	0.2580322	0.1980185	0.1668831	0.4105016	-5.8777666
5503000000	0.20943951	2.460914245	-7.48888505	-6.585187515	-7.659046686	-4.455614952	0.1782836	0.2195236	0.1714334	0.3584582	-6.34653
5503000000	0.20943951	2.513274123	-10.91840962	-7.280755826	-7.638729453	-6.026059624	0.0809392	0.1870357	0.1722372	0.2496859	-7.6327508
5503000000	0.20943951	2.565634	-14.39477119	-9.58011273	-8.017588824	-7.748280443	0.0363515	0.1101511	0.1578487	0.1679469	-9.2784636
5503000000	0.20943951	2.617993878	-14.04715179	-14.14898958	-8.826299927	-8.277192296	0.0393808	0.0384681	0.1310298	0.1486897	-10.487009
5503000000	0.20943951	2.670353756	-13.38841305	-16.42217341	-9.420521167	-7.897998702	0.0458309	0.022792	0.1142741	0.1622558	-10.650486
5503000000	0.20943951	2.722713633	-13.4058079	-11.63799668	-9.258706361	-7.431202452	0.0456477	0.0685805	0.1186122	0.1806674	-9.8457632
5503000000	0.20943951	2.775073511	-12.28257358	-9.077140257	-9.055927838	-6.97204578	0.0591211	0.1236762	0.1242817	0.2008147	-9.8628721
5503000000	0.20943951	2.827433388	-10.47366864	-8.976824439	-9.392420836	-6.726808088	0.0896761	0.1265661	0.1150159	0.2124806	-8.6667693
5503000000	0.20943951	2.879793266	-9.489038631	-11.29095666	-9.846578761	-7.071113987	0.1124854	0.0742855	0.1035958	0.1962857	-9.1484111
5503000000	0.20943951	2.932153143	-9.755631969	-16.29557951	-10.2576888	-8.257482459	0.1057881	0.0217291	0.0942391	0.149366	-10.325429
5503000000	0.20943951	2.984513021	-11.27561553	-22.89327391	-11.54536082	-10.51674059	0.0745484	0.0051366	0.070059	0.0887822	-12.245239
5503000000	0.20943951	3.036872899	-14.02263789	-23.17367893	-14.34394353	-14.19522703	0.0396037	0.0048154	0.0367795	0.0380607	-15.255675
5503000000	0.20943951	3.089232776	-18.10508113	-31.53099063	-17.3827053	-19.10919981	0.0154701	0.0007029	0.0182696	0.0122767	-19.325642
5503000000	0.20943951	3.141592654	-24.03857037	-21.42039329	-18.06654243	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.261799388	-3.141592654	-24.03857027	-21.42039364	-18.06654237	-21.99383825	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.261799388	-3.089232776	-27.66684487	-16.16655798	-17.55106674	-23.75058406	0.0017113	0.0241738	0.0175749	0.0042164	-19.237571
5503000000	0.261799388	-3.036872899	-21.74695379	-16.18581501	-17.1249709	-29.42505339	0.0066881	0.0240668	0.0193867	0.0011415	-18.920854
5503000000	0.261799388	-2.984513021	-18.52472442	-18.58257273	-17.09051761	-39.3033256	0.0140452	0.0138593	0.0195411	0.0001174	-19.247098
5503000000	0.261799388	-2.932153143	-17.22599673	-14.43263301	-17.56674575	-24.00434672	0.0189409	0.036036	0.0175116	0.0039771	-17.185941
5503000000	0.261799388	-2.879793266	-16.78267469	-17.76272508	-17.7624191	-16.17114095	0.0209765	0.0388933	0.0167401	0.0241483	-14.38427
5503000000	0.261799388	-2.827433388	-16.64736122	-10.07274601	-16.98819636	-11.65518883	0.0216403	0.0983839	0.0200609	0.0683095	-12.837398
5503000000	0.261799388	-2.775073511	-16.20706572	-11.55961312	-15.68163361	-9.60534262	0.0239493	0.0698295	0.0270294	0.1095208	-12.397114
5503000000	0.261799388	-2.722713633	-13.88280282	-12.34649794	-14.08294271	-9.771276731	0.0408997	0.0582573	0.0390578	0.1054077	-12.153427
5503000000	0.261799388	-2.670353756	-10.62684624	-10.25875539	-11.87872938	-12.51231264	0.0865596	0.094932	0.0648824	0.0560749	-11.214209
5503000000	0.261799388	-2.617993878	-8.251849361	-8.485224329	-9.69239131	-20.17112339	0.1495599	0.1417351	0.1089121	0.0096136	-9.8946606
5503000000	0.261799388	-2.565634	-7.104144336	-8.005808295	-8.14075461	-20.4642142	0.1947985	0.1582775	0.153435	0.0089862	-8.9883364
5503000000	0.261799388	-2.513274123	-7.000110991	-8.301059952	-7.539474145	-12.36545811	0.1995211	0.1478747	0.1762189	0.0580035	-8.7342192
5503000000	0.261799388	-2.460914245	-7.613784898	-8.780093339	-7.369827667	-8.939614021	0.1732294	0.1324313	0.1832387	0.1276552	-8.1208844
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5503000000	0.314159265	-0.785398163	2.747297707	-2.492103816	1.817126672	-0.04086241	1.8824774	0.5633647	1.5385537	0.9906298	0.9473533
5503000000	0.314159265	-0.733038286	2.251934793	-1.947057665	1.917740603	1.72849697	1.6795521	0.6386962	1.5551564	1.3450849	1.1548483
5503000000	0.314159265	-0.680678408	1.845618026	-1.294705424	1.973283691	2.071726804	1.5295434	0.7422145	1.5109092	1.6112862	1.2984719
5503000000	0.314159265	-0.628318531	1.682876952	-0.616587637	1.607741045	1.920898451	1.4732881	0.8676433	1.4480185	1.5562876	1.2590702
5503000000	0.314159265	-0.575958653	1.701627451	-0.151822421	1.433399984	0.876529995	1.4796628	0.9656456	1.3910412	1.2236381	1.0208947
5503000000	0.314159265	-0.523598776									

5503000000	0.314159265	2.199114858	-6.76146665	-6.44483874	-15.64441468	-5.518680039	0.2107916	0.2267337	0.0272621	0.2806286	-7.2966126
5503000000	0.314159265	2.251474735	-6.670126175	-6.684807143	-12.33300274	-6.553192385	0.2152719	0.135369	0.0584386	0.2211469	-8.0256341
5503000000	0.314159265	2.303834613	-7.31268251	-7.31268251	-12.04167328	-6.995022223	0.1856657	0.0624932	0.11447	0.1997551	-8.5202708
5503000000	0.314159265	2.35619449	-7.558685789	-12.25961565	-7.850726276	-6.215243338	0.1754411	0.0593465	0.1640302	0.2390428	-7.9727432
5503000000	0.314159265	2.408554368	-7.117039341	-9.169631504	-7.766141878	-5.307736334	0.1942209	0.1210701	0.1833943	0.2945957	-7.0263294
5503000000	0.314159265	2.460914245	-7.212214157	-7.376278214	-7.949812383	-5.2877119	0.1900109	0.1829668	0.1780405	0.2959571	-6.7418925
5503000000	0.314159265	2.513274123	-8.528563668	-7.483918181	-7.964930453	-6.281113656	0.1403278	0.1784877	0.1597743	0.2459745	-7.4834093
5503000000	0.314159265	2.565634	-10.7953516	-9.761259093	-8.731948923	-7.703443636	0.0832655	0.1056511	0.1339076	0.1696898	-9.0964151
5503000000	0.314159265	2.617993878	-12.87082677	-12.870126208	-9.615121056	-8.581006122	0.0516318	0.0325742	0.1092667	0.1386435	-10.807699
5503000000	0.314159265	2.670353756	-14.13046251	-15.74514421	-10.05560371	-8.592576845	0.0386326	0.026637	0.0987278	0.1382746	-11.216621
5503000000	0.314159265	2.722713633	-14.5198603	-10.85208586	-8.949326432	-7.927099178	0.0353195	0.0821848	0.1035303	0.1611722	-10.197617
5503000000	0.314159265	2.775073511	-12.93192167	-8.836794541	-9.650884286	-6.994899331	0.0509106	0.1307135	0.1083706	0.1997607	-9.1208074
5503000000	0.314159265	2.827433388	-10.79059441	-9.221589851	-7.969148252	-6.516091033	0.0833567	0.1196303	0.1054594	0.2230442	-8.7656448
5503000000	0.314159265	2.879793266	-9.724093269	-11.88433824	-9.904217417	-6.918626136	0.1065591	0.0647987	0.10223	0.2033	-9.2364378
5503000000	0.314159265	2.932153143	-9.955033732	-17.11339372	-10.35366949	-8.272416919	0.1010408	0.0194384	0.0921792	0.1488532	-10.439377
5503000000	0.314159265	2.984513021	-11.32241815	-21.95050799	-12.05390402	-10.63838855	0.0737493	0.0063819	0.0623174	0.0863299	-12.426447
5503000000	0.314159265	3.036872899	-13.75903787	-23.19560484	-15.38698287	-14.30969826	0.042082	0.0047911	0.0289269	0.0370706	-15.494789
5503000000	0.314159265	3.089232776	-17.6099071	-33.32522915	-18.25759246	-19.0883922	0.0173384	0.000465	0.0149362	0.0123356	-19.481216
5503000000	0.314159265	3.141592654	-24.03857045	-21.42039316	-18.06654242	-21.99383228	0.0093959	0.0072104	0.0156079	0.0063185	-20.824258
5503000000	0.314159265	3.141592654	-24.03857021	-21.42039329	-18.06654242	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.824258
5503000000	0.366519143	-3.141592654	-3.089232776	-27.27212126	-16.21639469	-17.11851626	0.0018741	0.0238979	0.0194155	0.0033784	-19.157287
5503000000	0.366519143	-3.036872899	-21.1002162	-15.91371195	-16.50648671	-31.66936298	0.0077621	0.0256229	0.0223538	0.0060809	-18.506293
5503000000	0.366519143	-2.984513021	-18.59572356	-18.06638691	-16.29038951	-29.37066187	0.0138174	0.0516085	0.0234942	0.0011559	-18.690546
5503000000	0.366519143	-2.932153143	-18.42805021	-14.91539497	-16.49886433	-29.60183067	0.0143613	0.0322449	0.0223931	0.001096	-17.563712
5503000000	0.366519143	-2.879793266	-18.99765272	-11.00995295	-17.02787188	-21.98419516	0.0125961	0.0729251	0.0196206	0.0063853	-15.307195
5503000000	0.366519143	-2.87433388	-18.30070385	-9.659538466	-17.19361304	-14.90795827	0.0147887	0.1081549	0.0190827	0.0323001	-13.60697
5503000000	0.366519143	-2.775073511	-17.24340858	-10.21439042	-15.57803176	-11.4700627	0.0188651	0.0591833	0.027682	0.0712843	-12.736505
5503000000	0.366519143	-2.722713633	-16.23999961	-11.21779056	-13.2916219	-10.39165072	0.0237684	0.0755476	0.0468638	0.0913766	-12.262933
5503000000	0.366519143	-2.670353756	-13.84563648	-10.82099495	-11.16649191	-11.33298473	0.0412512	0.0827753	0.0764453	0.0735701	-11.642431
5503000000	0.366519143	-2.617993878	-11.09087789	-9.651011649	-9.254036713	-14.91875228	0.0777879	0.1083674	0.1187398	0.0322199	-10.742818
5503000000	0.366519143	-2.565634	-9.399906334	-8.797314685	-7.792096059	-22.4064732	0.1148178	0.1319072	0.166621	0.0057271	-9.8014338
5503000000	0.366519143	-2.513274123	-8.993703549	-8.355649089	-6.885632627	-14.97711281	0.1260752	0.1460276	0.2048504	0.0317899	-8.9556148
5503000000	0.366519143	-2.460914245	-9.6025703	-8.335319329	-6.286543066	-9.655347813	0.1095829	0.1467128	0.2351504	0.1082593	-8.2412199
5503000000	0.366519143	-2.408554368	-10.44448324	-8.747541879	-5.610606329	-7.49253959	0.0902717	0.1334276	0.2747511	0.1781337	-7.7173821
5503000000	0.366519143	-2.35619449	-10.37752503	-9.089766666	-4.687926294	-7.321535124	0.0916743	0.1233171	0.339006	0.1852877	-7.3324808
5503000000	0.366519143	-2.303834613	-9.479536335	-8.499624968	-3.74530354	-8.580507515	0.1127318	0.141266	0.4221528	0.1460223	-6.8709687
5503000000	0.366519143	-2.251474735	-8.701817993	-7.233644361	-3.1136441	-8.762239462	0.1348398	0.1890756	0.4882429	0.1329769	-6.2656607
5503000000	0.366519143	-2.199114858	-8.353835802	-6.198493681	-3.084833615	-7.278692846	0.1460886	0.2396665	0.4914292	0.1871245	-5.7484421
5503000000	0.366519143	-2.14675498	-8.103964602	-5.67324537	-3.621329017	-5.5883214	0.1547403	0.2708167	0.4343773	0.2761645	-5.4664387
5503000000	0.366519143	-2.094395102	-7.399474739	-5.438674479	-4.678597385	-4.785973185	0.1819921	0.2858463	0.3917773	0.3405181	-5.228033
5503000000	0.366519143	-2.042035225	-6.192841152	-5.234947689	-3.641471926	-4.555763823	0.240279	0.2995748	0.4323673	0.3502867	-4.8066177
5503000000	0.366519143	-1.989675347	-5.068786375	-5.056158087	-3.75582372	-5.06006536	0.3112586	0.312165	0.5301695	0.3114579	-4.3620774
5503000000	0.366519143	-1.93731547	-4.544854521	-5.001211055	-2.197740709	-6.137818295	0.3511677	0.3161396	0.6028781	0.2433426	-4.2206952
5503000000	0.366519143	-1.884955592	-4.759084313	-4.973869337	-2.035515421	-7.752471016	0.3342655	0.3181362	0.6258186	0.1677849	-4.4189014
5503000000	0.366519143	-1.832595715	-5.437878948	-4.688768996	-1.78063785	-9.60893026	0.2858987	0.3397216	0.6636456	0.1094226	-4.5633092
5503000000	0.366519143	-1.780235837	-5.936908225	-4.037601308	-1.054523721	-10.66337088	0.2548644	0.3946752	0.7844481	0.0858347	-4.202757
5503000000	0.366519143	-1.72787596	-5.830882419	-3.280358356	-10.29136127	-10.36540039	0.2611631	0.4698553	0.970703	0.0919306	-3.483218
5503000000	0.366519143	-1.675516082	-5.374526384	-2.724013649	0.550665108	-9.777074819	0.2900998	0.5340706	1.1351847	0.1052671	-2.8721943
5503000000	0.366519143	-1.623156204	-4.776377045	-2.458854116	0.829733043	-9.372520359	0.3239372	0.5676944	1.2105327	0.1155442	-2.5439839
5503000000	0.366519143	-1.57796327	-3.813876778	-2.374038061	0.804767725	-8.364191179	0.4155395	0.5788902	1.203585	0.1457407	-2.321477
5503000000	0.366519143	-1.518436449	-2.410106562	-2.290127704	0.669086791	-6.270997919	0.5741024	0.5901837	1.1665643	0.2359936	-1.9266052
5503000000	0.366519143	-1.466076572	-0.970900925	-2.113530071	0.398468192	-5.948668192	0.7996684	0.614677	1.1322151	0.3995151	-1.3281611
5503000000	0.366519143	-1.413716694	0.101009283	-1.902732904	0.384896558	-2.234263614	1.0235308	0.6452481	1.0926716	0.5978244	-0.7581445
5503000000	0.366519143	-1.361356817	0.708109144	-1.776254528	0.166966386	-1.170918541	1.1770934	0.6643157	1.0391294	0.7579043	-0.3900121
5503000000	0.366519143	-1.308996939	1.00192744	-1.767855018	-0.033572781	-0.348415358	1.2594843	0.6656018	0.9922994	0.9229081	-0.1769557
5503000000	0.366519143	-1.256637061	1.234877645	-1.785884751	-0.088355735	-0.288124895	1.3288861	0.6628443	0.9798609	1.0685934	0.0434123
5503000000	0.366519143	-1.204277184	1.550094773	-1.733887991	-5.2292635	0.80331621	1.4289251	0.670828	0.999988	1.2031828	0.3170368
5503000000	0.366519143	-1.151917306	1.875521257	-1.66436398	0.067939107	-0.914887823	1.5401114	0.6816534	1.0157666	1.2358017	0.4857124
5503000000	0.366519143	-1.099557429	2.078056817	-1.754903627	-0.040788905	0.345132425	1.6136364	0.6675897	0.990652	1.0827127	0.3688736
5503000000	0.366519143	-1.047197551	2.155237952	-2.144110549	-0.285478486	-0.98337568	1.6425697	0.610364	0.93638	0.7979327	-0.0138692
5503000000	0.366519143	-0.994837674	2.246745682	-2.765266954	-0.385907523	-2.481806907	1.6775465	0.5290215	0.914975	0.564702	-0.3547579
5503000000	0.366519143	-0.942477796	2.46271062	-3.243867914	-0.071618631	-0.792444918	1.7630761	0.4738198	0.9836444	0.5257212	-0.2846189
5503000000	0.366519143	-0.890117919	2.722582715	-3.173409582	0.574512333	-1.785058031	1.871795	0.4815696	1.1414351	0.6629705	0.1680048
5503000000	0.366519143	-0.837758041	2.837074819	-2.675817991	1.22527095	-0.524582924	1.9217969	0.5400304	1.3259498	0.8862203	0.6762848
5503000000	0.366519143	-0.785398163	2.703319751	-2.139974011	1.639468184	0.683780425	1.8635111	0.6109457	1.4586356	1.1705179	1.0581751
5503000000	0.366519143	-0.733038286	2.390157403	-1.6570552	1.732602632	1.7338668	1.7338668	0.6828015	1.5006197	1.4971324	1.3149198
5503000000	0.366519143	-0.680678408	2.07654411	-1.101200834	1.663732329	2.323927591	1.6130744	0.7760325	1.4668048	1.707626	1.4329105
5503000000	0.366519143	-0.638318531									

5503000000	0.366519143	2.094395102	-4.239891103	-3.859961324	-13.4037531	-3.721418893	0.3767132	0.4111534	0.0456693	0.4244809	-5.0237354
5503000000	0.366519143	2.14675498	-6.06966955	-8.834726647	-14.89909951	-4.196639581	0.2471912	0.4135493	0.0323661	0.3804837	-5.712214
5503000000	0.366519143	2.199114858	-7.208974774	-4.423684221	-16.01156656	-4.991630083	0.1901527	0.3611034	0.0250521	0.3205066	-6.4935724
5503000000	0.366519143	2.251474735	-7.69732163	-5.882062892	-13.8968818	-6.200279971	0.1699291	0.2581034	0.0407673	0.2398678	-7.5161379
5503000000	0.366519143	2.303834613	-8.398949117	-8.078339738	-10.56621727	-7.280249641	0.144579	0.1556561	0.0877765	0.1870575	-8.2434005
5503000000	0.366519143	2.35619449	-9.044876596	-5.92291575	-5.834114565	-6.881525995	0.1245984	0.1161614	0.1401485	0.2050442	-8.3758315
5503000000	0.366519143	2.408554368	-8.837806166	-8.627563026	-7.566014369	-5.80948912	0.1306831	0.1371651	0.1676254	0.262431	-7.5826392
5503000000	0.366519143	2.460914245	-8.463736911	-7.440173458	-7.813619577	-5.480818175	0.1424381	0.1802946	0.1654391	0.2830859	-7.1486051
5503000000	0.366519143	2.513274123	-8.910999475	-7.647751171	-8.21166612	-6.191489777	0.1284991	0.1718798	0.1438412	0.2403538	-7.6663916
5503000000	0.366519143	2.565634	-10.26516278	-10.00044059	-9.426269815	-7.501488857	0.0940771	0.0999899	0.114123	0.177767	-9.1546228
5503000000	0.366519143	2.617993878	-11.94731944	-15.3830139	-10.52646105	-8.570283867	0.0638658	0.0289514	0.0885837	0.1389862	-10.96385
5503000000	0.366519143	2.670353756	-13.40200287	-15.76585165	-11.05506465	-8.780193237	0.0456877	0.0265103	0.078432	0.1324283	-11.50184
5503000000	0.366519143	2.722713633	-14.04934929	-10.83689784	-10.74302914	-8.034565457	0.0939609	0.0824727	0.0842747	0.1572296	-10.417493
5503000000	0.366519143	2.775073511	-12.77192824	-9.037971898	-10.27405219	-6.95896027	0.0528211	0.1247966	0.0938847	0.2014206	-9.2726954
5503000000	0.366519143	2.827433388	-10.8403925	-9.667731645	-10.00761544	-6.448505831	0.0824064	0.107951	0.0998248	0.2265424	-8.8880088
5503000000	0.366519143	2.879793266	-9.874200933	-12.53220249	-9.871775546	-6.901707722	0.102939	0.0558187	0.1029965	0.2040935	-9.3381602
5503000000	0.366519143	2.932153143	-10.12603956	-17.59287547	-10.3568006	-8.321373478	0.0971395	0.0174065	0.0921128	0.1471847	-10.532487
5503000000	0.366519143	2.984513021	-11.40092251	-21.41781213	-12.30559157	-10.71828422	0.0742482	0.0072147	0.0588086	0.0847562	-12.533407
5503000000	0.366519143	3.03687899	-13.65070635	-12.1349969	-15.9738686	-14.37520096	0.0431449	0.0048714	0.0252705	0.0365157	-12.651448
5503000000	0.366519143	3.089232776	-17.37852006	-34.46292058	-18.73559642	-19.08025628	0.0182872	0.0003579	0.0133795	0.0123587	-19.548399
5503000000	0.366519143	3.141592654	-24.03857021	-21.42039329	-18.06654948	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.41887902	-3.141592654	-24.03857029	-21.42039342	-18.06654225	-21.99383241	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.41887902	-3.089232776	-27.0189701	-16.24938293	-16.91356713	-25.20918361	0.0019866	0.0327171	0.0203537	0.0030136	-19.112356
5503000000	0.41887902	-3.03687899	-20.86521755	-15.75435511	-16.2328119	-31.80250932	0.0081937	0.0265806	0.0238078	0.0006603	-18.294278
5503000000	0.41887902	-2.984513021	-18.72271427	-17.70642514	-15.97504186	-25.85808013	0.0134193	0.0169573	0.0252636	0.0025953	-18.368718
5503000000	0.41887902	-2.932153143	-19.22483609	-15.20209099	-16.17452343	-25.49954732	0.0119541	0.030185	0.0241295	0.0028187	-17.626624
5503000000	0.41887902	-2.879793266	-20.3731278	-11.25367621	-17.07290238	-24.93797673	0.0091767	0.074926	0.0196205	0.0032064	-15.72692
5503000000	0.41887902	-2.827433388	-18.45285372	-5.979896644	-17.76214308	-17.24193308	0.0142796	0.1101566	0.0167412	0.0188715	-13.978076
5503000000	0.41887902	-2.775073511	-16.50931471	-9.670834324	-15.86984463	-12.90417381	0.0223992	0.1078739	0.0258831	0.0512369	-12.853913
5503000000	0.41887902	-2.722713633	-16.4090053	-10.44667539	-13.2215166	-11.00670189	0.0228612	0.0902262	0.0476265	0.0793103	-12.21805
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5503000000	0.41887902	-2.408554368	-10.34459036	-8.285917233	-5.177830876	-8.458804341	0.0923721	0.1483912	0.3035407	0.1426	-7.651639
5503000000	0.41887902	-2.35619449	-9.511513202	-8.80973938	-4.29481896	-7.69839535	0.1119048	0.1315304	0.3606217	0.1664585	-7.1527869
5503000000	0.41887902	-2.303834613	-8.464494487	-8.783393336	-6.395911622	-7.692870056	0.1424133	0.1323307	0.4325625	0.1701034	-6.5885747
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5503000000	0.471238898	-1.151917306	2.324127041	-1.645670375	-0.02495365	0.07199985	1.7077044	0.6845938	1.0075104	1.0167168	0.4302074
5503000000	0.471238898	-1.099557429	2.254231267	-1.504309605	-0.059848776	-0.445623205	1.6804404	0.7072436	0.9863138	0.9024882	0.2902626
5503000000	0.471238898	-1.047197551	1.999993602	-1.731121843	-0.410047754	-1.25645703	1.5848909	0.6712554	0.9099033	0.7487801	0.0934712
5503000000	0.471238898	-0.994837674	1.744589016	-2.19867365	-0.834503291	-1.457573088	1.4943726	0.6027436	0.8251819	0.7148957	-0.4129355
5503000000	0.471238898	-0.942477796	1.669435054	-2.513674573	-0.948336629	-1.585804335	1.4687352	0.5605735	0.8038339	0.873614	-0.3306592
5503000000	0.471238898	-0.890117919	1.779380574	-2.36277921	-0.559916918	0.496756227	1.5063922	0.5803929	0.8790393	1.1211807	0.0934159
5503000000	0.471238898	-0.837758041	1.937930614	-1.92889532							

5503000000	0.471238898	1.884955592	-4.19124618	-5.189242825	-5.231366486	-4.717315682	0.3809565	0.30274441	0.2998219	0.3374958	-4.8115114
5503000000	0.471238898	1.93731547	-4.975416705	-5.575402883	-6.367492015	-4.575256569	0.3180229	0.2769872	0.230808	0.348718	-5.3219365
5503000000	0.471238898	1.989675347	-4.698792305	-5.487856466	-7.835268578	-4.408979873	0.389384	0.2862675	0.1646164	0.3623281	-5.4192507
5503000000	0.471238898	2.042035225	-3.714826093	-4.788445249	-8.993814086	-4.166118507	0.4251257	0.3320133	0.126072	0.383167	-4.9949662
5503000000	0.471238898	2.094395102	-3.210256839	-3.897606782	-9.38060173	-3.797935612	0.477501	0.4076048	0.1122228	0.417066	-4.5179604
5503000000	0.471238898	2.14675498	-3.747871679	-3.353589052	-10.16824579	-3.632695616	0.4219032	0.4619991	0.0962001	0.4332419	-4.5181204
5503000000	0.471238898	2.199114858	-5.409585007	-3.430313176	-11.58505392	-4.151637751	0.2877673	0.4539089	0.0694216	0.3844468	-5.2449421
5503000000	0.471238898	2.251474735	-7.853934637	-4.180315191	-13.14006541	-5.580980114	0.1639104	0.3819166	0.0485281	0.2766317	-6.6204841
5503000000	0.471238898	2.303834613	-10.22239773	-5.47413006	-12.59364613	-7.32266362	0.095008	0.2852323	0.0550345	0.1852395	-8.1050594
5503000000	0.471238898	2.35619449	-12.25731868	-6.852137821	-10.76129858	-7.471968083	0.0594659	0.2063464	0.0839209	0.1789795	-8.7876637
5503000000	0.471238898	2.408554368	-14.37835567	-7.562606214	-9.550145452	-6.188736552	0.0364892	0.1752828	0.1109138	0.2405062	-8.5140348
5503000000	0.471238898	2.460914245	-14.60684315	-7.678245011	-9.308079538	-5.423227515	0.0346191	0.1706772	0.1127214	0.2868648	-8.1713441
5503000000	0.471238898	2.513274123	-12.8137652	-8.402293299	-9.952989675	-5.743659358	0.0523147	0.1444677	0.1010883	0.2664613	-8.5052537
5503000000	0.471238898	2.565634	-11.66968652	-11.06106071	-11.34125546	-6.905192443	0.0680818	0.0783238	0.0734302	0.2039298	-9.7493422
5503000000	0.471238898	2.617993878	-11.45048368	-17.13414093	-13.18886893	-8.244923332	0.0716064	0.0193458	0.0479858	0.1497986	-11.4155882
5503000000	0.471238898	2.670353756	-11.67038587	-16.43411737	-14.43943426	-8.773751951	0.0680709	0.0227294	0.0359796	0.1326248	-11.880821
5503000000	0.471238898	2.722713633	-11.82094794	-11.49226617	-13.62944277	-8.000961058	0.0657514	0.0709208	0.0433567	0.1584543	-10.72253
5503000000	0.471238898	2.775073511	-11.28502497	-10.16366833	-11.83436181	-6.87471688	0.0743871	0.0963015	0.0655487	0.2053659	-9.5702782
5503000000	0.471238898	2.827433388	-10.35623922	-11.39906376	-10.37790543	-6.493360208	0.0921247	0.0724592	0.0916662	0.2027019	-9.1870878
5503000000	0.471238898	2.879793266	-9.990056986	-14.73348617	-9.707473884	-7.007639943	0.1002292	0.0336242	0.1069677	0.1991755	-9.5861068
5503000000	0.471238898	2.932153143	-10.48064145	-18.66961188	-10.31701874	-8.500372073	0.0895233	0.0135843	0.0929604	0.1412417	-10.740312
5503000000	0.471238898	2.984513021	-11.60496695	-20.17630197	-12.7854303	-10.89999218	0.069104	0.0096022	0.0526571	0.0813822	-12.744018
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5503000000	0.471238898	3.089232776	-16.94564895	-37.46440173	-19.75976699	-19.06440297	0.0202039	0.0001793	0.0105687	0.0124039	-19.650121
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5503000000	0.523598776	-3.036872899	-20.55225819	-15.41578446	-15.7706217	-30.1715757	0.0088059	0.0287357	0.0264812	0.0009613	-17.892531
5503000000	0.523598776	-2.984513021	-19.09177572	-16.80706756	-15.55192959	-21.35246875	0.012326	0.020859	0.0278488	0.0073241	-17.672712
5503000000	0.523598776	-2.932153143	-21.03847969	-15.67750495	-15.92610108	-18.58127549	0.0078732	0.0270551	0.0255499	0.0138635	-17.308271
5503000000	0.523598776	-2.879793266	-23.28201488	-11.97680407	-17.65211213	-18.9688057	0.0046968	0.0634336	0.0171707	0.01268	-16.109175
5503000000	0.523598776	-2.827433388	-17.73336321	-9.749291174	-19.84599243	-20.36749838	0.0168525	0.1059427	0.010361	0.0091886	-14.487186
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5503000000	0.523598776	-2.722713633	-14.68775522	-9.14515233	-13.54137058	-13.3923401	0.03939801	0.1217544	0.0442449	0.0457895	-12.115331
5503000000	0.523598776	-2.670353756	-18.4107483	-9.662437779	-11.45178596	-11.05375012	0.0144187	0.1080827	0.0715849	0.0804558	-11.666265
5503000000	0.523598776	-2.617993878	-24.8228581	-10.28285713	-9.438935953	-10.96634742	0.0032939	0.0396945	0.1137906	0.0085057	-11.384211
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5503000000	0.523598776	-2.513274123	-13.88882943	-9.440476268	-6.106340943	-15.50429474	0.0408429	0.1137503	0.2451128	0.028156	-9.7075635
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5503000000	0.523598776	-2.14675498	-8.358918004	-6.44429221	-4.5823877	-5.139097205	0.1459178	0.2267623	0.3481459	0.30626	-5.9045323
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5503000000	0.523598776	-1.518436449	-1.449099378	-4.33265859	0.664003074	-3.886268197	0.7162919	0.3687518	1.1651995	0.4086704	-1.7735575
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5503000000	0.523598776	-1.151971306	2.594095207	-1.471918711	-0.21129854	-0.341988465	1.8172284	0.7125382	0.9521413	1.081292	0.5727015
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5503000000	0.523598776	2.408554368	-15.07428588	-8.371525491	-10.34076535	-6.10493742	0.0310865	0.1454948	0.0924535	0.245192	-8.9090531
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5503000000	0.523598776	3.036872899	-13.35975882	-22.65964263	-17.90235812	-14.57479106	0.0461434	0.0054205	0.0162093	0.0348755	-15.90745
5503000000	0.523598776	3.089232776	-16.7432824	-39.45923302	-20.29515328	-19.05536037	0.0211676	0.0001133	0.009343	0.0124299	-19.680487
5503000000	0.523598776	3.141592654	-24.03857041	-21.42039348	-18.06654213	-21.99383237	0.0039459	0.0071204	0.0156079	0.0063185	-20.24588
5503000000	0.523598776	-3.141592654	-24.03857061	-21.42039347	-18.06654212	-21.99383271	0.0039459	0.0072104	0.0156079	0.0063185	-20.24588
5503000000	0.523598776	-3.089232776	-26.24672286	-16.39124842	-16.35103281	-26.6997859	0.0023732	0.0229549	0.0231684	0.0021381	-18.97613
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5503000000	0.523598776	-2.775073511	-14.03041711	-8.919700681	-13.77554033	-21.36514894	0.0395329	0.1282419	0.0182998	0.0073027	-13.156546
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5503000000	0.523598776	-2.617993878	-20.9294999	-10.07025838	-9.623444656	-10.63480396	0.0080733	0.0983953	0.1090575	0.0864012	-11.2215717
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5503000000	0.523598776	-1.570796327	-2.512290556	-4.460453711	0.835780933	-3.977934905	0.5607521	0.358059	1.2122106	0.400135	-1.9874094
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5503000000	0.575958653	1.675516082	-1.908330112	-2.898776523	-6.677529097	-3.811925707	0.644417	0.5130059	0.2149053	0.4157262	-3.4967926
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5503000000	0.628318531	-1.413716694	-1.586092802	-2.875297271	0.297404071	-1.525699864	0.6940499	0.5157869	1.0708792	0.7037668	-1.2719062
5503000000	0.628318531	-1.361356817	-1.455958283	-2.639419226	-0.02634779	-1.445043716	0.7151616	0.5445755	0.9939516	0.9026006	-1.028832
5503000000	0.628318531	-1.308996939	-1.024066275	-2.444607623	-0.376205962	0.523197533	0.7899387	0.5695597	0.9170034	1.1280277	-7.00029
5503000000	0.628318531	-1.256637061	-0.066633679	-2.154178503	-0.565798123	-1.841165824	0.9847741	0.6895057	0.8778497	1.406425	-0.1345223
5503000000	0.628318531	-1.204277184	1.045104341	-1.724954675	-0.488035536	2.294167335	1.2720683	0.6722093	0.8937096	1.6956644	0.544169
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5503000000	0.628318531	1.780253837	-1.993555308	-5.085347418	-7.244577732	-2.938124241	0.6318943	0.3100739	0.1886002	0.508379	-3.8749495
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5503000000	0.628318531	2.251474735	-5.271858834	-7.628529573	-12.27091385	-5.393422951	0.2970394	0.1726422	0.0592801	0.2888402	-6.8941184
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5503000000	0.628318531	2.408554368	-9.347254097	-12.59184798	-11.55973809	-5.512482869	0.1162183	0.0550573	0.0698275	0.2810294	-8.8427928
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5503000000	0.680678408	-3.03687899	-20.3778279	-14.94270394	-15.28789175	-27.29624648	0.0091668	0.0320427	0.0295945	0.0018636	-17.40719
5503000000	0.680678408	-2.984513021	-19.65481341	-15.24536483	-15.41957263	-17.76236677	0.0108273	0.0298857	0.0287106	0.0167403	-16.667346
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5503000000	0.680678408	1.466076572	-0.182496562	-0.644135996	-3.425269222	-1.897965639	0.9588493	0.8621571	0.4544364	0.6459567	-1.3646905
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5503000000	0.680678408	2.827433388	-8.399564687	-20.23518051	-10.0672895	-6.921365606	0.1445585	0.0094729	0.0984625	0.2031718	-9.4341366
5503000000	0.680678408	2.879793266	-9.024517738	-19.53821424	-9.462238429	-7.679198976	0.1251838	0.011129	0.1131817	0.1706397	-9.7867928
5503000000	0.680678408	2.932515143	-10.51772965	-16.67844655	-10.41004485	-9.041616895	0.088762	0.021486	0.0909821	0.1246919	-10.889464
5503000000	0.680678408	2.984513021	-11.7914627	-17.22301069	-13.54527323	-11.24104404	0.0661994	0.0189539	0.0442051	0.0751442	-12.913611
5503000000	0.680678408	3.03687899	-13.02696222	-22.02390113	-19.52180069	-14.74552859	0.0498085	0.0062749	0.011164	0.033531	-15.98692
5503000000	0.680678408	3.089232776	-16.18884038	-43.58058009	-21.86589505	-19.01745233	0.02405	0.3855-05	0.0065074	0.0125388	-19.671788
5503000000	0.680678408	3.141592654	-24.03857015	-21.42039331	-18.06654229	-21.99383254	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	0.733038286	3.089232776	-25.61622164	-16.61981064	-15.86923504	-28.01209933	0.002744	0.021778	0.0258867	0.0015805	-18.86147
5503000000	0.733038286	3.03687899	-20.36656474	-16.81595087	-15.17517879	-26.66214233	0.0091906	0.0329917	0.0303726	0.0021567	-12.78672
5503000000	0.733038286	2.984513021	-19.75014902	-14.74235314	-15.48749437	-17.10230269	0.0105922	0.0335556	0.0282651	0.0194881	-16.387399
5503000000	0.733038286	2.932515143	-22.67859541	-14.92121223	-16.76593961	-12.7680576	0.0053969	0.0322017	0.0210575	0.0528682	-15.546909
5503000000	0.733038286	2.879793266	-26.18209926	-13.39795352	-20.28734881	-11.06857472	0.0024087	0.0457304	0.0093598	0.0781884	-14.695208
5503000000	0.733038286	2.827433388	-18.65815939	-11.0996461	-23.8685174	-11.95436043	0.0136202	0.0774468	0.0041038	0.0637823	-14.008456
5503000000	0.733038286	2.775073511	-15.27056137	-9.383783545	-17.13745076	-16.84798332	0.0297128	0.1152499	0.019331	0.0206634	-13.350007
5503000000	0.733038286	2.722713633	-14.94702624	-8.440292735	-13.50826565	-22.0142499	0.0320109	0.1432091	0.0445834	0.0062889	-12.477742
5503000000	0.733038286	2.670335756	-14.93268031	-8.321242723	-11.71204727	-13.77984757	0.0321168	0.1471891	0.0672815	0.0418808	-11.41962
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5503000000	0.733038286	2.565634	-11.13066597	-10.45067758	-7.086560869	-11.42214356	0.0770785	0.090143	0.1955888	0.0720752	-9.636805
5503000000	0.733038286	2.513274123	-10.94734665	-11.19589789	-5.507515215	-13.12866929	0.0804017	0.0759295	0.281351	0.0486556	-9.1512196
5503000000	0.733038286	2.460914245	-12.29078386	-10.2067241	-4.934624688	-13.66061575	0.0590095	0.0935315	0.321024	0.0430466	-8.8736857
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5503000000	0.733038286	2.35619449	-17.69656271	-7.341196201	-4.591189027	-10.64580029	0.0169959	0.1844507	0.347441	0.0861827	-7.9923818
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5503000000	0.733038286	2.199114858	-8.733637546	-5.905437419	-3.511058922	-6.510638427	0.1338555	0.256718	0.4455476	0.2232324	-5.7698139
5503000000	0.733038286	2.14675498	-8.822012739	-5.857684405	-3.915507861	-5.60053171	0.1311592	0.2595563	0.4059282	0.2751026	-5.7196801
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5503000000	0.733038286	2.042035225	-13.77774745	-5.642512085	-4.19337314	-4.203004195	0.0419011	0.27274	0.38077	0.3799265	-5.7051519
5503000000	0.733038286	1.989675347	-14.7162428	-5.303162288	-4.072672178	-3.894723047	0.0375759	0.2949061	0.3915009	0.4087856	-5.4973529
5503000000	0.733038286	1.93731547	-12.49820387	-4.929711484	-4.327095327	-4.086706322	0.0562574	0.3213874	0.3692245	0.3902378	-5.4625862
5503000000	0.733038286	1.884955592	-10.66194581	-4.628572304	-4.576714059	-4.0858629	0.0585629	0.3444632	0.3348945	0.334448	-5.6079821
5503000000	0.733038286	1.832595715	-9.229767979	-4.386551218	-4.520930132	-5.607942818	0.1194052	0.3642041	0.3531075	0.2474196	-5.560972
5503000000	0.733038286	1.780235837	-7.680573891	-4.123093275	-3.267035254	-4.61982257	0.1705857	0.3869819	0.471299	0.2269709	-4.9773082
5503000000	0.733038286	1.72787596	-6.272261664	-3.811651527	-1.706480917	-6.119620541	0.2359249	0.415756	0.675086	0.2443644	-4.0584751
5503000000	0.733038286	1.675516082	-5.368670956	-3.510494595	-0.52133918	-5.71338804	0.2904911	0.4456055	0.8868825	0.2689272	-3.25305
5503000000	0.733038286	1.623156204	-4.908585128	-3.277406937	0.094900062	-5.073043532	0.3292546	0.4701748	1.022092	0.3109536	-2.7446097
5503000000	0.733038286	1.570796327	-4.455617672	-3.105670912	0.0440883308	-3.58458	0.358458	0.4891397	1.0579631	0.3943771	-2.4034389
5503000000	0.733038286	1.518436449	-3.649488365	-2.94597844	0.147377827	-2.646293097	0.4315699	0.5074604	1.0345174	0.5437142	-2.0113359
5503000000	0.733038286	1.466076572	-2.702625055	-2.770199143	-0.0221501821	-1.257642646	0.5367073	0.528421	0.9950614	0.7485757	-1.5354552
5503000000	0.733038286	1.413716694	-2.067658563	-2.60764811	-0.223553862	-0.148566142	0.6212039	0.548574	0.9498272	0.9636699	-1.126676
5503000000	0.733038286	1.361356817	-1.920272412								

5503000000	0.733038286	1.361356817	-0.110120289	0.057152081	-2.645847867	-0.580363478	0.9749626	1.0132467	0.54377	0.8749105	-0.697019
5503000000	0.733038286	1.413716694	0.077978227	-0.328168443	-3.320527938	-0.79313411	1.0181173	0.9272208	0.4655295	0.8330798	-0.908691
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5503000000	0.733038286	1.72787596	-1.682591207	-6.329613927	-7.572512128	-0.920445087	0.6787985	0.2328298	0.1748835	0.809013	-3.243305
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5503000000	0.733038286	1.93731547	-2.228134921	-8.715109917	-6.864373522	-3.332156257	0.5986686	0.1344278	0.1353825	0.4642847	-4.7730685
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5503000000	0.733038286	2.042035225	-4.510335574	-6.797955273	-7.497641918	-4.781517296	0.35397	0.209028	0.1779245	0.3325434	-5.7127175
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5503000000	0.733038286	2.251474735	-6.233764286	-8.059424695	-13.18424763	-4.688860549	0.2380255	0.1563355	0.0480369	0.3397144	-7.0879085
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5503000000	0.733038286	2.35619449	-5.751792724	-12.07497351	-15.08712121	-5.501092694	0.2659627	0.0620158	0.0309947	0.2817674	-7.9537771
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5503000000	0.733038286	3.089232776	-16.02116145	-21.7920932	-22.31965259	-19.00037436	0.0249968	0.7449E-05	0.0058619	0.0125882	-19.633584
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5503000000	0.785398163	-3.141592654	-24.03857049	-21.42039322	-18.06654241	-21.99383247	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	0.785398163	-2.932153143	-22.01897166	-14.36310199	-17.19314462	-12.1714262	0.0062821	0.0366176	0.0190847	0.0060537	-15.134346
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5503000000	0.785398163	-2.513274123	-9.693666637	-10.91118728	-5.413880035	-12.89676437	0.1073083	0.0810739	0.2874829	0.0513244	-8.8009325
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5503000000	0.785398163	-2.408554368	-11.94690514	-8.981972011	-4.816239419	-14.56861606	0.0638718	0.1264162	0.3298912	0.0349252	-8.5768533
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5503000000	0.785398163	-2.303834613	-13.37327794	-6.928544034	-4.26092195	-12.05494747	0.0459909	0.2028363	0.3749366	0.0623025	-7.6569395
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5503000000	0.785398163	-2.199114858	-8.508315475	-6.124510919	-3.797036551	-8.932505567	0.1409836	0.2440894	0.5000335	0.1278643	-6.4160312
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5503000000	0.785398163	-1.989675347	-17.72022851	-5.71675867	-4.564912575	-4.126425614	0.0639035	0.2681169	0.3495495	0.3866851	-5.9292578
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5503000000	0.785398163	-1.884955592	-12.74643365	-4.996443582	-5.019676927	-4.049762746	0.0531321	0.3164868	0.3147982	0.3935716	-5.6944578
5503038286	0.785398163	-1.832595715	-10.62900117	-4.663604854	-4.784554423	-3.737388923	0.0865167	0.3416957	0.3323109	0.3651414	-5.5065095
5503000000	0.785398163	-1.780235837	-8.767153716	-4.308790751	-3.590104126	-4.390889192	0.1328265	0.3707839	0.4375116	0.3638405	-4.8646194
5503038286	0.785398163	-1.72787596	-7.259006499	-3.919658324	-2.064096821	-3.974591672	0.1879747	0.4055404	0.6217135	0.4004431	-3.9370686
5503000000	0.785398163	-1.675516082	-6.384491182	-3.55967321	-3.39832826	-3.9932826	0.2299063	0.440588	0.8136033	0.4572642	-3.193551
5503038286	0.785398163	-1.623156204	-6.065106685	-3.298463939	-3.064882869	-2.880237313	0.2474511	0.4679006	0.9318611	0.5152005	-2.7412123
5503000000	0.785398163	-1.570796327	-5.796008437	-3.143903192	-1.936277182	-2.374647808	0.2632687	0.4848525	0.9563498	0.5788089	-2.6392927
5503038286	0.785398163	-1.518436449	-4.978492707	-3.0454447	-3.143888576	-1.762122805	0.3177977	0.495701	0.9300604	0.6664809	-2.1998725
5503000000	0.785398163	-1.466076572	-3.750								

5503000000	0.785398163	1.256637061	-0.376911757	0.360820194	-1.696143125	-1.538189686	0.9168722	1.0866308	0.6766837	0.7017478	-0.728948
5503000000	0.785398163	1.308996939	-0.542950908	0.151851226	-1.22489847	-1.073558903	0.8824801	1.0355835	0.6130701	0.7808975	-0.8195376
5503000000	0.785398163	1.361356817	-0.457123755	-0.18396634	-2.312136607	-0.895209116	0.9000935	0.9585248	0.5872004	0.8137277	-0.8890282
5503000000	0.785398163	1.413716694	-0.329663029	-0.739571887	-2.462931459	-1.023828007	0.9269017	0.8434179	0.5671616	0.789892	-1.0686777
5503000000	0.785398163	1.466076572	-0.36916187	-1.495360209	-2.889632427	-1.25662569	0.9185098	0.7807025	0.5140872	0.748751	-1.4115545
5503000000	0.785398163	1.518436449	-0.603175078	-2.315109943	-3.681440611	-1.336298373	0.8703271	0.5867985	0.4284064	0.7351402	-1.836473
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5503000000	0.785398163	1.623156204	-1.160804053	-3.873775609	-5.207882931	-0.970655929	0.7654549	0.4098476	0.3014475	0.7997135	-2.4477993
5503000000	0.785398163	1.675516082	-1.474641129	-5.014010358	-5.509106467	-0.938824948	0.7120916	0.3152093	0.2812479	0.8055964	-2.7692518
5503000000	0.785398163	1.72787596	-2.046695997	-6.865804434	-6.022112998	-1.201029142	0.6242095	0.2057878	0.2499129	0.7583978	-3.376417
5503000000	0.785398163	1.780235837	-2.929668658	-9.654701052	-7.179384642	-1.671751518	0.5093697	0.1082754	0.1914527	0.6804949	-4.289945
5503000000	0.785398163	1.832595715	-3.72425148	-12.52732355	-8.86596392	-2.180458257	0.4242041	0.0558814	0.1298376	0.605277	-5.1741219
5503000000	0.785398163	1.884955592	-3.781652991	-12.26938631	-9.923412082	-2.689182257	0.4186342	0.0593009	0.1017791	0.5383711	-5.5358502
5503000000	0.785398163	1.93731547	-3.297866064	-10.01073499	-9.128954923	-3.311079755	0.467965	0.0997531	0.1222094	0.4665434	-5.3892529
5503000000	0.785398163	1.989675347	-3.155466504	-8.307008557	-7.623001929	-4.039403041	0.4835633	0.1476723	0.1728621	0.3945115	-5.2338235
5503000000	0.785398163	2.042035225	-3.960403438	-7.358755604	-6.620782829	-4.523810448	0.4017535	0.1837065	0.2177317	0.3528734	-5.390777
5503000000	0.785398163	2.094395102	-5.94355642	-6.983482392	-6.404271493	-4.41862473	0.2544746	0.2002865	0.2288616	0.3615243	-5.8288262
5503000000	0.785398163	2.14675498	-8.57509757	-7.140470259	-7.032859949	-4.6047680274	0.1388322	0.1931759	0.1980223	0.3937603	-6.3648639
5503000000	0.785398163	2.199114858	-9.319963662	-7.826149219	-8.647288349	-4.00893168	0.1169509	0.1649624	0.1365435	0.3972893	-6.9005495
5503000000	0.785398163	2.251474735	-7.777863647	-8.865401859	-11.40776698	-4.499254511	0.1668068	0.1298553	0.0723142	0.3548743	-7.4241108
5503000000	0.785398163	2.303834613	-6.392019942	-10.06864164	-14.96661623	-5.205504802	0.2295081	0.0984319	0.0318668	0.3016126	-7.8158304
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5503000000	0.785398163	2.408554368	-5.896072231	-14.92693776	-16.79910392	-5.44511711	0.2572722	0.0321593	0.208973	0.2854226	-8.2699503
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5503000000	0.785398163	2.879793266	-8.368331043	-15.62318131	-9.791243936	-8.084346305	0.1456019	0.0273957	0.1049242	0.1554409	-9.6520854
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5503000000	0.837758041	-3.089232776	-25.30053613	-16.83586545	-15.5893997	-28.61800111	0.0029508	0.0207211	0.0276068	0.0013747	-18.806632
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5503000000	0.837758041	-2.775073511	-19.07844337	-9.91934217	-16.39878439	-12.59858723	0.0123639	0.1018746	0.0229151	0.054972	-13.184749
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5503000000	0.837758041	-2.14675498	-9.027214384	-6.224387748	-5.095740553	-8.116139812	0.1251061	0.23854	0.3093328	0.1543071	-6.8440229
5503000000	0.837758041	-2.094395102	-9.883939144	-6.215353746	-5.419051351	-6.413547417	0.1027084	0.2390367	0.2871408	0.2283733	-6.6894784
5503000000	0.837758041	-2.042035225	-12.00616286	-6.187732347	-5.102665713	-4.897887809	0.0630063	0.2405619	0.3088399	0.3237511	-6.3071032
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5503000000	0.837758041	-1.832595715	-9.535104349	-5.023258237	-4.824074153	-3.307687593	0.1112986	0.3145388	0.3293006	0.4669079	-5.1497247
5503000000	0.837758041	-1.780235837	-8.622271894	-4.637966462	-3.811316051	-3.246994136	0.1373233	0.3437189	0.4157846	0.4734789	-4.6523969
5503000000	0.837758041	-1.72787596	-7.809569974	-4.230919122	-2.362073172	-2.998763285	0.1655934	0.3774923	0.5804872	0.50133	-3.9123258
5503000000	0.837758041	-1.675516082	-7.392009047	-3.856514709	-2.121971404	-2.786665377	0.1823052	0.4114741	0.7551414	0.5264213	-3.2897951
5503000000	0.837758041	-1.623156204	-7.502147437	-3.576405802	-0.663374114	-2.784900614	0.17774	0.4388938	0.853464	0.5266353	-3.0067934
5503000000	0.837758041	-									

5503000000	0.837758041	1.151917306	0.525071558	1.646317879	-2.189873913	-2.553977404	1.1285145	1.460938	0.6039662	0.5553954	-0.2816609
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5503000000	0.837758041	1.675516082	-2.122720507	-5.280196902	-5.065444286	-1.81835408	0.6133777	0.2964697	0.3114982	0.6579071	-3.2807481
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5503000000	0.837758041	1.780235837	-3.376290944	-7.487717268	-8.309588606	-2.194187983	0.4595904	0.1783316	0.1475846	0.6033665	-4.5939743
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5503000000	0.837758041	2.14675498	-7.166033869	-8.136702453	-5.875005437	-3.892632224	0.1920422	0.1535783	0.2588181	0.408072	-5.9666047
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5503000000	0.837758041	2.408554368	-6.174249103	-13.93817546	-19.23646737	-5.993496132	0.2413099	0.0403815	0.0119221	0.2515651	-8.655212
5503000000	0.837758041	2.460914245	-6.856959551	-17.81832846	-17.78701808	-5.554939971	0.2062703	0.016526	0.0166775	0.2782954	-8.8797669
5503000000	0.837758041	2.513274123	-8.421525526	-19.70282721	-16.14345653	-5.127584214	0.1438293	0.0107096	0.0243027	0.3000831	-9.1279275
5503000000	0.837758041	2.565634	-10.71601547	-18.57146963	-14.69122085	-5.38724629	0.0848005	0.0138948	0.033953	0.2892513	-9.7685083
5503000000	0.837758041	2.617993878	-13.72278106	-17.19781848	-13.19593334	-6.059258298	0.0424348	0.0190642	0.0479078	0.2477845	-10.491591
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5503000000	0.837758041	2.722713633	-13.88528004	-16.1069192	-11.0073675	-6.844435403	0.0408763	0.024508	0.0793042	0.2068028	-10.561453
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5503000000	0.837758041	2.879793266	-8.109311038	-13.74915422	-10.15064698	-8.261607968	0.15455	0.0421779	0.0965906	0.1492242	-9.5610487
5503000000	0.837758041	2.9325153143	-9.899761333	-13.24201011	-10.96396314	-9.369565958	0.1023349	0.0474023	0.0800947	0.1156228	-10.63669
5503000000	0.837758041	2.984513021	-11.47756001	-15.37133214	-13.78405342	-11.40634264	0.0771163	0.0290313	0.0418403	0.0723379	-12.708944
5503000000	0.837758041	3.036872899	-12.59149166	-21.49679271	-19.62109073	-14.89264836	0.0506199	0.0070847	0.0109117	0.0324142	-15.789212
5503000000	0.837758041	3.089232776	-15.71190996	-36.24181502	-22.98967849	-18.95892146	0.0268416	0.0002376	0.0050238	0.0127089	-19.506665
5503000000	0.837758041	3.141592654	-24.03857046	-21.42039344	-18.06654249	-21.99383265	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	0.890117919	-2.35619449	-7.769653108	-8.264602104	-5.308149514	-11.2896641	0.1671224	0.1491213	0.2945676	0.074308	-7.6629379
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5503000000	0.890117919	-2.251474733	-10.13029906	-6.744196174	-4.897808625	-9.779471941	0.0970443	0.2116315	0.323757	0.105209	-7.3421447
5503000000	0.890117919	-2.199114858	-11.19309266	-6.32066504	-5.007381228	-8.897540465	0.0597585	0.2333101	0.3156908	0.1289006	-7.247578
5503000000	0.890117919	-2.14675498	-11.35664438	-6.08868638	-5.435566989	-7.720649595	0.0731704	0.2461112	0.2860509	0.1260188	-7.1312195
5503000000	0.890117919	-2.094395102	-11.29649557	-5.989757364	-5.583847744	-6.4048991244	0.0741909	0.2517818	0.2764491	0.228613	-6.8244082
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5503000000	0.890117919	-1.832595715	-7.599227417	-5.032140235	-4.870034403	-4.625509347	0.173811	0.3138961	0.3258341	0.3447062	-5.3825864
5503000000	0.890117919	-1.780235837	-7.371288677	-4.66313458	-4.021997098	-4.778009893	0.1831771	0.3416872	0.3960958	0.332812	-5.0384139
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5503000000	0.890117919	-1.675516082	-7.288434853								

5503000000	0.890117919	1.047197551	-0.441356327	2.917526852	-5.708816599	-1.227852821	0.9033673	1.9577295	0.2686076	0.7537281	-0.1284422
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5503000000	0.890117919	2.042035225	-4.74721703	-8.59869664	-5.222959322	-3.567802171	0.3351802	0.1380799	0.3004029	0.4397641	-5.1804633
5503000000	0.890117919	2.094395102	-4.67786634	-8.624233783	-4.992741376	-3.883158689	0.3405755	0.1372703	0.3167567	0.4089631	-5.2159021
5503000000	0.890117919	2.14675498	-5.991630744	-8.914783286	-5.55031204	-4.037534972	0.2516732	0.1283872	0.2785921	0.3946813	-5.7949401
5503000000	0.890117919	2.199114858	-8.970309858	-9.345163044	-7.055561091	-4.4320612	0.1267561	0.1162743	0.1969858	0.3604075	-6.9874001
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5503000000	0.890117919	2.40554368	-7.05950604	-12.67992582	-18.75177407	-6.921662071	0.196811	0.053952	0.1333298	0.2176877	-9.4921657
5503000000	0.890117919	2.460914245	-7.345638069	-15.08486103	-19.06174607	-5.946664425	0.1842622	0.0310109	0.124115	0.2542925	-9.1903361
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5503000000	0.890117919	2.565634	-9.334455666	-15.86057613	-15.76536088	-5.393765635	0.1165613	0.0259384	0.0265133	0.2888175	-9.4135334
5503000000	0.890117919	2.617993878	-10.86416795	-15.7004562	-13.584556	-5.94357749	0.0819565	0.0269126	0.0438071	0.2544628	-9.9231743
5503000000	0.890117919	2.670353756	-13.83979493	-15.42304203	-11.83849066	-6.513413262	0.0413067	0.0286877	0.0654864	0.2231817	-10.47374
5503000000	0.890117919	2.722713633	-14.48389231	-15.48802256	-11.00909759	-6.711997162	0.0356132	0.0282617	0.0792666	0.2132064	-10.501858
5503000000	0.890117919	2.775073511	-10.12524221	-15.39589229	-10.97078024	-6.975046942	0.0971574	0.0288676	0.0799691	0.2006759	-9.9281788
5503000000	0.890117919	2.827433388	-7.797094226	-13.79910554	-10.971762533	-7.621778988	0.1660698	0.0416955	0.0809538	0.1729108	-9.3776604
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5503000000	0.890117919	2.932515343	-9.681449907	-12.38277266	-11.25238211	-9.441523476	0.1076106	0.0577727	0.0749483	0.1137328	-10.5299
5503000000	0.890117919	2.984513021	-11.30448772	-14.93001178	-13.77047812	-11.454426	0.0740545	0.0321365	0.0419713	0.0715414	-12.602722
5503000000	0.890117919	3.036872899	-12.42603919	-21.38577428	-19.25618589	-14.94629039	0.0572	0.0072681	0.0118681	0.0320163	-15.672209
5503000000	0.890117919	3.089232776	-15.57083849	-34.23108357	-23.16741165	-18.94360091	0.0277278	0.0003775	0.0048224	0.0127803	-19.420683
5503000000	0.890117919	3.141592654	-24.03857031	-21.42039323	-18.06654204	-21.99383197	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.890117919	3.141592654	-24.03857044	-21.42039341	-18.06654207	-21.99383231	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.890117919	3.089232776	-25.05970234	-17.11394436	-15.33961178	-28.88014161	0.0031191	0.0194359	0.0292441	0.0012942	-18.7702
5503000000	0.890117919	3.036872899	-20.31131725	-14.58830783	-14.86786798	-25.76136645	0.0093083	0.0347672	0.0325997	0.0026538	-17.026288
5503000000	0.890117919	2.984513021	-19.13795834	-13.18860272	-16.03204261	-16.5212304	0.0121956	0.0479888	0.0249342	0.0227374	-15.710879
5503000000	0.890117919	2.932515343	-18.89408693	-12.61882352	-18.76578896	-11.83971896	0.01219	0.0547164	0.0132868	0.0654679	-14.366045
5503000000	0.890117919	2.879793266	-20.06724838	-12.23880375	-23.07498565	-9.547640844	0.0098463	0.05972	0.0049261	0.1109778	-13.33786
5503000000	0.890117919	2.827433388	-22.21576108	-11.3934887	-22.077211456	-9.254046524	0.006038	0.0725523	0.0078125	0.1187395	-12.900772
5503000000	0.890117919	2.775073511	-25.40306578	-10.1802905	-16.14064837	-10.79470681	0.002882	0.0593936	0.0243184	0.0832778	-12.873523
5503000000	0.890117919	2.722713633	-27.9839043	-9.193940143	-13.14846455	-13.18486455	0.0015908	0.1203943	0.0432098	0.0483031	-12.732218
5503000000	0.890117919	2.670353756	-17.51599931	-8.82806037	-12.21578239	-13.43108044	0.0177174	0.1309783	0.0600374	0.0453829	-11.97028
5503000000	0.890117919	2.617993878	-12.32424207	-9.148237837	-10.16262639	-12.10680435	0.0585566	0.121668	0.0963246	0.0615363	-11.702992
5503000000	0.890117919	2.565634	-9.990823396	-9.897214248	-7.75999755	-11.45345773	0.1002115	0.102395	0.1674944	0.0715573	-9.5697368
5503000000	0.890117919	2.513274123	-9.062983007	-10.47510119	-6.10047445	-11.46222901	0.12408	0.0896375	0.2454479	0.071413	-8.7731048
5503000000	0.890117919	2.460914245	-8.336143348	-10.31622432	-5.424336228	-11.47273486	0.146685	0.0929774	0.2867196	0.0712404	-8.2558079
5503000000	0.890117919	2.40554368	-7.398329374	-9.489358428	-5.417373228	-10.98612702	0.1820401	0.1122471	0.2872518	0.079687	-7.8155904
5503000000	0.890117919	2.35619449	-6.882306077	-8.425684018	-5.522934029	-10.16881248	0.2050073	0.1436917	0.2803539	0.0961875	-7.4157799
5503000000	0.890117919	2.303834613	-7.398360799	-7.427234123	-5.730001688	-9.491632529	0.1820388	0.1808325	0.2904022	0.1217982	-7.1800605
5503000000	0.890117919	2.251474735	-9.226782837	-6.626181327	-5.138068896	-9.044903718	0.1194873	0.2174612	0.3063325	0.1245976	-7.167674
5503000000	0.890117919	2.199114858	-12.32517998	-6.054883909	-5.201405287	-6.529205181	0.0585439	0.2480342	0.3018975	0.140307	-7.277042
5503000000	0.890117919	2.14675498	-14.72435654	-5.684837291	-5.536066194	-7.738301533	0.0336949	0.2700948	0.2783809	0.1688332	-7.2670708
5503000000	0.890117919	2.094395102	-12.99477936	-5.456717171	-5.613010189	-6.840556581	0.050179	0.2846612	0.2745933	0.2069876	-6.9014578
5503000000	0.890117919	2.042035225	-10.33625657	-5.31086983	-5.051136352	-6.132863049	0.0925496	0.2943832	0.3125262	0.2436204	-6.2751177
5503000000	0.890117919	1.989675347	-8.482944988	-5.195814154	-4.487319306	-5.820322686	0.1418096	0.3022864	0.3558059	0.2617988	-5.7603948
5503000000	0.890117919	1.93731547	-7.376843832	-5.054801462	-4.448460774	-5.95515222	0.1829429	0.3122625	0.3590492	0.253796	-5.7505039
5503000000	0.890117919	1.884955592	-6.844049094	-4.835792624	-4.823090883	-6.359224619	0.2068212	0.3284133	0.3293752	0.2312478	-5.6230591
5503000000	0.890117919	1.832595715	-6.663292713	-4.526458693	-4.968152827	-6.623986928	0.2156109	0.3256853	0.3185552	0.2175711	-5.5893533
5503000000	0.890117919	1.780235837	-6.581506809								

5503000000	0.942477796	0.942477796	-2.739145048	2.434546034	-11.13250079	-0.150241321	0.532213	1.7516793	0.077046	0.9659972	-0.8001561
5503000000	0.942477796	0.994836764	-2.072243265	2.886161299	-10.92411268	-0.58773644	0.6205484	1.9436414	0.080833	0.8734265	-0.557087
5503000000	0.942477796	1.047197551	-1.521908274	3.155574178	-8.595466737	-1.176103821	0.7043835	2.0680328	0.1381826	0.762763	-0.369928
5503000000	0.942477796	1.099557429	-1.22135116	3.221325468	-6.563059113	-1.875544394	0.7548573	2.0995806	0.220645	0.6943002	-0.3100564
5503000000	0.942477796	1.151917306	-1.139102719	3.083396971	-5.631009803	-2.511896137	0.7692894	2.0339473	0.2734633	0.5608031	-0.4125663
5503000000	0.942477796	1.204277184	-1.203648831	2.774362318	-5.587832815	-2.886103914	0.7579405	1.8942454	0.2761961	0.514505	-0.6513722
5503000000	0.942477796	1.256637061	-1.409616873	2.360309907	-5.787300543	-2.728324945	0.7228336	1.7219914	0.2637791	0.5046235	-0.9511607
5503000000	0.942477796	1.308996939	-1.845525888	1.910873091	-5.490812449	-2.930981363	0.6538038	1.5526991	0.2824352	0.5092158	-1.2520608
5503000000	0.942477796	1.361356817	-2.555405261	1.449616453	-4.778900393	-2.944015363	0.5552128	1.396245	0.3327438	0.5076898	-1.5616146
5503000000	0.942477796	1.413716694	-3.360582044	0.930716682	-4.298416928	-3.034006523	0.4612558	1.239001	0.3716707	0.4972781	-1.9226113
5503000000	0.942477796	1.466076572	-3.920119251	0.266978094	-3.699494961	-3.065452622	0.4054974	1.0634028	0.3655994	0.4936905	-2.3504155
5503000000	0.942477796	1.518436449	-4.094121269	-0.616376206	-4.93943207	-2.894771375	0.3895721	0.8676856	0.3206689	0.5134792	-2.8162169
5503000000	0.942477796	1.570796327	-4.064515563	-1.733227072	-5.72518656	-2.536369059	0.3922369	0.6709301	0.2675971	0.5576518	-3.2596235
5503000000	0.942477796	1.623156204	-4.056166663	-3.003530194	-6.34851047	-2.137783146	0.3929917	0.50078	0.231819	0.611254	-3.6229903
5503000000	0.942477796	1.675516082	-4.146919426	-4.249775501	-6.742512911	-1.840543208	0.3848647	0.3758568	0.2117136	0.6545543	-3.9067527
5503000000	0.942477796	1.72787596	-4.275906009	-5.275787485	-7.237945936	-1.694195311	0.3736719	0.2967709	0.1888885	0.6769872	-4.1557876
5503000000	0.942477796	1.780235837	-4.44852624	-6.040088434	-7.874292167	-1.660570998	0.3590438	0.2488807	0.1631439	0.682249	-4.3969556
5503000000	0.942477796	1.832595715	-4.923567323	-6.706738709	-8.03122581	-1.702068272	0.3218424	0.213467	0.1580074	0.675761	-4.6563284
5503000000	0.942477796	1.884955592	-5.983751896	-7.442388544	-7.234789037	-1.869080495	0.2521302	0.1802026	0.1890258	0.6502931	-4.7691981
5503000000	0.942477796	1.93731547	-7.322442903	-8.233489117	-6.136769894	-2.261871158	0.1852489	0.1501935	0.2434014	0.5940362	-5.3280643
5503000000	0.942477796	1.989675347	-7.419407427	-8.897291699	-5.356738888	-2.89733888	0.1811587	0.1289053	0.2912833	0.5131757	-5.5497092
5503000000	0.942477796	2.042035225	-5.998177515	-9.212840957	-5.093005941	-3.601505479	0.2512941	0.1198715	0.3095276	0.4363645	-5.5398438
5503000000	0.942477796	2.094395102	-4.954077885	-9.124732811	-5.343561899	-4.113423928	0.3195893	0.1223282	0.2921755	0.3878445	-5.5209132
5503000000	0.942477796	2.14675498	-5.351678794	-8.835355225	-6.150716822	-4.464254042	0.2916299	0.1307569	0.242621	0.3577458	-5.9228897
5503000000	0.942477796	2.199114858	-7.688228325	-8.575883276	-7.659137162	-5.031017915	0.1702853	0.1388071	0.17143	0.3139773	-7.0196627
5503000000	0.942477796	2.251474735	-12.18915443	-8.488022472	-9.887121682	-6.035611409	0.0604066	0.1416439	0.1026332	0.2491374	-8.5869054
5503000000	0.942477796	2.303834613	-13.58893559	-8.804021303	-12.25305603	-7.112251226	0.0437629	0.1317037	0.0595243	0.1944352	-9.6917154
5503000000	0.942477796	2.35619449	-10.18437586	-9.837110213	-13.90375743	-7.477684191	0.0958434	0.1082319	0.0407028	0.178744	-9.797297
5503000000	0.942477796	2.408554368	-8.483125781	-11.57382552	-15.47599446	-6.972818325	0.1418037	0.0696013	0.02834	0.2007789	-9.5809406
5503000000	0.942477796	2.460914245	-8.253118933	-13.1256075	-17.89212907	-6.133261209	0.1495162	0.0486899	0.0162475	0.2435981	-9.4114549
5503000000	0.942477796	2.513274123	-8.422653461	-13.698817	-19.20420777	-5.495486308	0.143792	0.0426696	0.012016	0.2821314	-9.2026817
5503000000	0.942477796	2.565634	-8.35708989	-14.15205007	-16.9721859	-5.42285924	0.1459792	0.038441	0.0200808	0.2868891	-9.1063352
5503000000	0.942477796	2.617993878	-8.862703694	-14.82399974	-14.12731959	-5.880638552	0.129936	0.0328897	0.0386606	0.2581881	-9.3960972
5503000000	0.942477796	2.670353756	-11.22553378	-15.03051952	-12.12942722	-6.36042231	0.0754131	0.0314013	0.0612431	0.231184	-10.008243
5503000000	0.942477796	2.722713633	-13.922253	-14.66735504	-11.31987668	-7.0025086251	0.0405298	0.0341401	0.0737925	0.2191752	-10.366401
5503000000	0.942477796	2.775073511	-10.53229289	-13.65462617	-11.51071654	-7.002133321	0.0884648	0.043106	0.0706289	0.1994282	-9.9823608
5503000000	0.942477796	2.827433388	-7.870501286	-12.05909322	-11.69178025	-7.76502565	0.1632863	0.062243	0.0677364	0.1673006	-9.3876781
5503000000	0.942477796	2.879793266	-7.8002816	-11.0826463	-11.31523711	-8.536762757	0.1659497	0.0779355	0.0738715	0.1400631	-9.4136714
5503000000	0.942477796	2.932515143	-9.492685619	-11.70365962	-11.57478536	-9.501795705	0.112391	0.0675514	0.0695859	0.1121555	-10.43731
5503000000	0.942477796	2.984513021	-11.11507647	-14.59364385	-13.7057797	-11.50981859	0.0773557	0.0347245	0.0426012	0.0706347	-12.492677
5503000000	0.942477796	3.036872899	-12.25439177	-21.31544275	-18.76653472	-15.00745454	0.059506	0.0073688	0.0312845	0.0315685	-15.538285
5503000000	0.942477796	3.089232776	-15.43929304	-32.5081073	-23.22816584	-18.90779796	0.0285806	0.0005613	0.0047554	0.0128588	-19.322221
5503000000	0.942477796	3.141592654	-24.03857044	-21.42039341	-18.06654207	-21.99383231	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.942477796	3.141592654	-24.03857056	-21.42039366	-18.06654216	-21.99383243	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	0.942477796	3.089232776	-24.96315881	-17.27908923	-15.22409107	-28.86287326	0.0031892	0.0187107	0.0300325	0.0021293	-18.758894
5503000000	0.942477796	3.036872899	-20.25311403	-14.62051816	-18.5040988	-25.86659697	0.0094388	0.0345103	0.0330746	0.0025994	-17.01098
5503000000	0.942477796	2.984513021	-18.74288648	-12.95442262	-16.15680267	-16.86716068	0.0133571	0.0506475	0.0242281	0.0205724	-15.654111
5503000000	0.942477796	2.932515143	-17.87874526	-12.14510851	-19.29377777	-12.19858691	0.0126977	0.0610224	0.0117669	0.0602756	-14.278184
5503000000	0.942477796	2.879793266	-18.67655039	-11.73604721	-23.88384717	-9.833553612	0.0135627	0.0670495	0.004089	0.103907	-13.264997
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5503000000	0.942477796	2.775073511	-25.04815867	-10.17667001	-16.17120103	-10.45817775	0.0031274	0.0960137	0.0241479	0.0899875	-12.73117
5503000000	0.942477796	2.722713633	-23.21713633	-9.369153113	-13.9360505	-12.47554438	0.0047647	0.1156338	0.0404013	0.0505157	-12.648976
5503000000	0.942477796	2.670353756	-16.62482739	-9.109383302	-12.60413038	-13.6069739	0.0217529	0.1227614	0.0549018	0.0435815	-12.164579
5503000000	0.942477796	2.617993878	-12.56206764	-9.470428717	-10.54264859	-13.22737833	0.0554362	0.1129684	0.0882542	0.0475622	-11.188708
5503000000	0.942477796	2.565634	-10.77401354	-10.18578529	-8.114227952	-12.62605398	0.0836756	0.0958123	0.1543751	0.0546254	-10.126819
5503000000	0.942477796	2.513274123	-10.29247263	-10.71355454	-6.39722722	-12.2553012	0.0934873	0.0848486	0.2292333	0.0594935	-9.3268475
5503000000	0.942477796	2.460914245	-9.684049615	-10.59744594	-5.625962887	-11.89660572	0.1075462	0.0871476	0.2737813	0.0646159	-8.7255868
5503000000	0.942477796	2.408554368	-8.293737564	-9.852639201	-5.524375195	-11.27985618	0.1481243	0.1034513	0.2802609	0.0744757	-8.1936372
5503000000	0.942477796	2.35619449	-7.152462076	-8.769750023	-5.598131651	-10.53271667	0.1926432	0.1327471	0.2755414	0.0884562	-7.6359632
5503000000	0.942477796	2.303834613	-7.136742575	-7.629537382	-5.481915107	-10.0079881	0.1933418	0.1726022	0.2830144	0.0989162	-7.277089
5503000000	0.942477796	2.251474735	-8.670056839	-6.634630981	-5.292739155	-9.711274224	0.1358296	0.2170386	0.2956147	0.1068741	-7.2390774
5503000000	0.942477796	2.199114858	-12.31802501	-5.884374964	-5.381732143	-9.239635499	0.0586405	0.257966	0.2896188	0.1191342	-7.4150668
5503000000	0.942477796	2.14675498	-17.75679805	-5.372294293	-5.759535646	-8.345911108	0.0167618	0.2902489	0.2654889	0.1463554	-7.4541867
5503000000	0.942477796	2.094395102	-14.44261111	-5.029170774	-5.843638635	-7.311969236	0.0359533	0.3141108	0.2603971	0.1856962	-7.1061002
5503000000	0.942477796	2.042035225	-10.10815311	-4.789105389	-5.296181716	-6.518343026	0.0975404	0.3319628	0.2953805	0.2229286	-6.2533764
5503000000	0.942477796	1.989675347	-7.955401403	-4.613867265	-4.75221705	-6.101606276	0.1601253	0.3456315	0.3347941	0.2453801	-5.6625777
5503000000	0.942477796	1.93731547	-7.109585284	-4.458534253	-4.725323725	-5.936829785	0.1945546	0.3582173	0.3368741	0.254869	-5.434385
5503000000	0.942477796	1.884955592	-								

5503000000	0.994837674	0.837758041	-3.238240961	1.013365399	-8.676525905	0.265475052	0.4744341	1.2628057	0.1356274	1.0630349	-1.3431843
5503000000	0.994837674	0.890117919	-3.508921482	1.532718797	-9.643822351	-0.055395224	0.4457669	1.4232195	0.108547	0.9873258	-1.3005592
5503000000	0.994837674	0.942477796	-3.330277046	2.100641659	-11.34077587	-0.327998873	0.4644856	1.6220497	0.0734383	0.9272757	-1.1249092
5503000000	0.994837674	0.994837674	-2.916709422	2.596877285	-12.00968589	-0.361965433	0.5108919	1.8183929	0.0629552	0.8645706	-0.8926669
5503000000	0.994837674	1.0147197551	-2.614292283	2.950604221	-9.744583519	-1.040064951	0.5477354	1.9726972	0.1600576	0.787034	-0.6885702
5503000000	0.994837674	1.099557429	-2.488679032	3.115424988	-7.465620101	-1.529161579	0.5638091	2.0490025	0.1792413	0.7032081	-0.5858038
5503000000	0.994837674	1.151917306	-2.40166421	3.068284518	-6.442192011	-1.95621632	0.5752195	2.0268819	0.2268719	0.6373506	-0.6219085
5503000000	0.994837674	1.204277184	-2.256705675	2.82349176	-6.48305968	-2.171862027	0.5947431	1.9157956	0.2247471	0.6064762	-0.7808447
5503000000	0.994837674	1.256637061	-2.150302547	4.239430734	-6.891337892	-2.175697292	0.6094944	1.7536506	0.2045814	0.6059409	-1.0049858
5503000000	0.994837674	1.308996939	-2.316904415	1.998336125	-6.703786346	-2.10539543	0.5865561	1.5842861	0.2136099	0.6158295	-1.2489798
5503000000	0.994837674	1.361356817	-2.920761779	1.559776891	-5.88630292	-2.088542984	0.5104155	1.4321143	0.2578515	0.6182238	-1.5202576
5503000000	0.994837674	1.413716694	-3.860773517	1.120028522	-5.250712225	-2.138652207	0.4110765	1.2942043	0.2984893	0.6111317	-1.8460461
5503000000	0.994837674	1.466076572	-4.728631599	0.613714626	-5.187992443	-2.159688324	0.3366176	1.1517851	0.3028313	0.6081786	-2.2195504
5503000000	0.994837674	1.518436449	-5.1201987	-0.044414628	-5.57133219	-2.050085763	0.3075956	0.9898253	0.277247	0.6237225	-2.5995518
5503000000	0.994837674	1.570796327	-5.082134611	-0.912235172	-5.982576781	-1.811589339	0.3103034	0.8105438	0.2521984	0.6589327	-2.9414093
5503000000	0.994837674	1.623156204	-4.979916999	-1.991836712	-5.983544375	-1.540256848	0.3176935	0.6321444	0.2521422	0.7014138	-3.2253131
5503000000	0.994837674	1.675516082	-5.039601878	-3.21023534	-5.63349393	-1.342926367	0.3133573	0.4775034	0.2733069	0.7340171	-3.4722521
5503000000	0.994837674	1.72787596	-5.144252869	-4.398877693	-5.3997383	-1.278751066	0.3058966	0.3631719	0.2884205	0.7449462	-3.7098939
5503000000	0.994837674	1.780235837	-5.106339729	-5.342650044	-5.506245619	-1.347842314	0.3085788	0.2922369	0.2814333	0.7331887	-3.937698
5503000000	0.994837674	1.832595715	-5.170107242	-5.963852165	-5.753391722	-1.532645048	0.304081	0.2523881	0.2658648	0.7026442	-4.1850414
5503000000	0.994837674	1.884955592	-5.882916414	-6.414230289	-5.822933362	-1.859031963	0.2580527	0.2823374	0.2616415	0.6517737	-4.5592939
5503000000	0.994837674	1.93731547	-7.522967292	-6.908767661	-5.719390324	-2.387753288	0.17689	0.203762	0.2679595	0.5770649	-5.1368417
5503000000	0.994837674	1.989675347	-8.950540798	-7.530176332	-5.744180628	-3.111397733	0.1273345	0.1765966	0.2664293	0.4884951	-5.7722331
5503000000	0.994837674	2.042035225	-7.713588211	-8.097002862	-6.097637187	-3.852765827	0.1692938	0.1549886	0.2456045	0.4118352	-6.1007144
5503000000	0.994837674	2.094395102	-5.756835655	-8.235552646	-6.277816923	-3.473796602	0.265654	0.1501221	0.2124312	0.3652753	-6.0489968
5503000000	0.994837674	2.14675498	-5.224768459	-7.895132905	-7.53722568	-4.746451585	0.2002778	0.1623629	0.1763102	0.3352392	-6.134163
5503000000	0.994837674	2.199114858	-6.660459477	-7.505469569	-8.581259592	-5.35928721	0.3157516	0.1776041	0.1386342	0.2911195	-6.8660241
5503000000	0.994837674	2.251474735	-10.35659155	-7.489095209	-9.771937731	-6.383433805	0.0883773	0.178275	0.1053917	0.2299623	-8.2245897
5503000000	0.994837674	2.303834613	-15.54746918	-8.086681554	-10.62861573	-7.34223346	0.0278775	0.1553574	0.0865244	0.1847471	-9.4452008
5503000000	0.994837674	2.35619449	-12.94588605	-9.366603447	-11.2231969	-7.450011469	0.0507471	0.1157017	0.0754537	0.1798866	-9.7696467
5503000000	0.994837674	2.408554368	-10.28141099	-10.94942768	-12.58736993	-6.83830993	0.0937257	0.0803632	0.0551142	0.2070947	-9.6227696
5503000000	0.994837674	2.460914245	-9.408468694	-11.91959356	-15.61393712	-6.06812151	0.1145917	0.0642748	0.027454	0.2472793	-9.4538707
5503000000	0.994837674	2.513274123	-8.740778144	-12.31814491	-19.30016179	-5.525113624	0.1336356	0.0586389	0.0116677	0.2802132	-9.1707525
5503000000	0.994837674	2.565634	-7.689415759	-13.1798433	-17.93090185	-5.473634201	0.1702388	0.0480857	0.0162147	0.2835545	-8.876517
5503000000	0.994837674	2.617993878	-7.466966973	-14.48374558	-14.64987719	-5.85005131	0.1791857	0.0356144	0.0342778	0.2600129	-8.952648
5503000000	0.994837674	2.670353756	-9.262640937	-14.83934379	-12.59190192	-6.222848062	0.1185048	0.0328145	0.0550567	0.2386246	-9.3694947
5503000000	0.994837674	2.722713633	-12.55177941	-13.82396446	-11.88174218	-6.480195911	0.0555677	0.0414575	0.0648374	0.2248953	-10.146208
5503000000	0.994837674	2.775073511	-10.75985743	-12.24946763	-12.32099476	-7.03104507	0.0839488	0.0595735	0.0586016	0.198105	-9.9975156
5503000000	0.994837674	2.827433388	-7.995788392	-10.78833277	-12.72680808	-7.895427527	0.1586431	0.084301	0.0533816	0.1623519	-9.4140638
5503000000	0.994837674	2.879793266	-7.761714806	-10.223898	-12.1089912	-6.840193959	0.1674282	0.0949752	0.0615446	0.1367384	-9.3865458
5503000000	0.994837674	2.932515343	-9.34727987	-11.20482424	-11.90932	-9.560824979	0.1162176	0.0757735	0.064427	0.1106414	-10.373235
5503000000	0.994837674	2.984513021	-10.91990968	-14.3682202	-13.59261558	-11.58123384	0.0809113	0.0365745	0.0437259	0.0694827	-12.390231
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5503000000	0.994837674	3.089232776	-15.31774014	-31.00863825	-23.17695298	-18.87913819	0.0293918	0.0007927	0.0048118	0.0129445	-19.213544
5503000000	0.994837674	3.141592654	-24.03857056	-21.42039366	-18.06654216	-21.99383243	0.0039459	0.0072104	0.0156079	0.0663185	-20.82458
5503000000	0.994837674	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.99383256	0.0039459	0.0072104	0.0156079	0.0663185	-20.82458
5503000000	0.994837674	3.089232776	-24.8802393	-17.46305151	-15.71424426	-28.74816011	0.0032507	0.0179347	0.0380818	0.0013341	-18.751953
5503000000	0.994837674	3.036872899	-20.16623269	-14.69479808	-14.73922347	-26.05074947	0.0096245	0.033925	0.0335798	0.0024827	-17.010817
5503000000	0.994837674	2.984513021	-18.29095075	-12.79063093	-16.23950778	-17.41372498	0.0148219	0.0525941	0.0237711	0.081396	-15.633337
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5503000000	0.994837674	2.879793266	-17.53408081	-11.27796702	-24.88803819	-10.37515932	0.0176438	0.0745082	0.0032449	0.0917242	-13.299373
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5503000000	0.994837674	2.775073511	-22.17872246	-10.12912875	-16.22883991	-10.35973673	0.0060552	0.0977075	0.0238296	0.0920505	-12.616045
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5503000000	0.994837674	2.670353756	-14.8733523	-9.439817212	-12.84859005	-13.66356047	0.0325585	0.1137675	0.0518968	0.0430174	-12.196102
5503000000	0.994837674	2.617993878	-12.32305087	-9.887331447	-10.73939045	-14.60120619	0.0585727	0.1026282	0.0843469	0.0346641	-11.545734
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5503000000	0.994837674	2.513274123	-12.0765036	-11.06035025	-6.55462045	-13.65895814	0.061994	0.0783366	0.221074	0.050431	-9.9518576
5503000000	0.994837674	2.460914245	-12.45010618	-10.96664122	-5.715401264	-12.96138125	0.0568839	0.0800453	0.2682007	0.0505664	-9.438452
5503000000	0.994837674	2.408554368	-10.59497221	-10.33822885	-5.550500947	-12.42307117	0.0871972	0.0925075	0.27858	0.0572391	-8.9891121
5503000000	0.994837674	2.35619449	-8.481603648	-9.337065993	-5.636971613	-12.02275919	0.1418534	0.1164913	0.2730881	0.0627659	-8.2812828
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5503000000	0.994837674	2.251474735	-8.554673194	-7.013942496	-5.551525699	-11.75215405	0.1394867	0.1988667	0.2785125	0.0668013	-7.6720258
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5030000000	1.047197551	2.35619449	-14.9885932	-9.516509491	-9.463714708	-6.926487099	0.0316311	0.1117761	0.1311432	0.2029324	-3.979705
5030000000	1.047197551	2.408554368	-12.05385599	-10.81608346	-10.82777585	-6.425788578	0.0623181	0.0828689	0.0827414	0.2277305	-9.4342014
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5030000000	1.047197551	2.827433388	-8.154971804	-9.891640379	-13.9890891	-8.022646169	0.1529336	0.0262515	0.0399109	0.157665	-9.4592736
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5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.06654232	-21.9983256	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5030000000	1.047197551	3.141592654	-24.03857024	-21.42039352	-18.0665423						

5503000000	1.099557429	0.628318531	-1.262026755	2.003232633	-4.466272987	2.412776985	0.7478204	1.5860733	0.3575796	1.742921	0.4477432
5503000000	1.099557429	0.680678408	-1.930498296	1.864253893	-6.214373569	2.082061013	0.641136	1.5361209	0.2390907	1.6151249	0.034037
5503000000	1.099557429	0.73038286	-2.343856806	1.673302129	-7.584531346	1.525502715	0.5829272	1.4700436	0.1744002	1.4208567	-0.3997806
5503000000	1.099557429	0.785398163	-2.71942731	1.561343759	-7.682286014	0.848940953	0.5346349	1.4326311	0.1705185	1.2158895	-0.7653916
5503000000	1.099557429	0.837758041	-3.238441859	1.599572228	-7.394131299	0.941911169	0.4744122	1.4452974	0.1822162	1.0410968	-1.047125
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5503000000	1.099557429	0.994837674	-3.251726754	2.180578908	-13.38169681	-0.920560549	0.4729632	1.652182	0.0459019	0.8089747	-1.2784056
5503000000	1.099557429	1.014797551	-3.122079285	2.348971182	-11.66032735	-0.192176365	0.4872951	1.7175015	0.0682287	0.7776468	-1.1766446
5503000000	1.099557429	1.099557429	-3.300389514	2.418919262	-8.504705368	-1.326886669	0.4676932	1.7453878	0.1411008	0.7367347	-1.1197272
5503000000	1.099557429	1.151917306	-3.429355958	2.329408048	-7.043951391	-1.59637661	0.4540086	1.7097823	0.1975712	0.6924084	-1.1723129
5503000000	1.099557429	1.204277184	-3.166477198	2.036380754	-7.022899195	-1.796733005	0.4823389	1.5982256	0.198477	0.6611906	-1.3367838
5503000000	1.099557429	1.256637061	-2.643636336	1.531227328	-7.714226051	-1.875880996	0.5440469	1.4227308	0.1692663	0.6492499	-1.5718896
5503000000	1.099557429	1.308996939	-2.287351525	0.844562087	-7.793033187	-1.902598951	0.5905611	1.2146641	0.1662251	0.645268	-1.8430301
5503000000	1.099557429	1.361356817	-2.405022631	0.041911438	-6.700276737	-1.99019665	0.5747748	1.0096972	0.2137826	0.6323832	-2.1633974
5503000000	1.099557429	1.413716694	-3.027088871	-0.781649012	-5.581003956	-2.179811192	0.4980708	0.8352858	0.2766302	0.6053672	-2.5661685
5503000000	1.099557429	1.466076572	-3.897028085	-1.524004305	-5.195283929	-2.391958313	0.4076591	0.7040436	0.3023233	0.5765064	-3.0309072
5503000000	1.099557429	1.518436449	-4.558503117	-2.132072977	-5.513481086	-2.479726591	0.3500658	0.6120582	0.2809648	0.5649725	-3.4484668
5503000000	1.099557429	1.570796327	-4.697980093	-2.651156222	-6.024046593	-2.359225705	0.3390018	0.5431057	0.2498011	0.580868	-3.6835927
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5503000000	1.099557429	1.675516082	-4.553508764	-3.924240324	-6.171623072	-1.579789006	0.3504686	0.4051128	0.3007722	0.6625842	-3.6679982
5503000000	1.099557429	1.72787596	-4.832306373	-4.808087732	-4.432908113	-1.589076034	0.328677	0.330515	0.3603373	0.6935733	-3.6827659
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5503000000	1.099557429	1.832595715	-4.773081265	-6.102905059	-5.581584169	-1.632008704	0.3331899	0.2453067	0.3482103	0.6865707	-3.9430241
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5503000000	1.099557429	2.042035225	-10.04759321	-6.613894744	-8.41237048	-3.06010247	0.0989101	0.2180773	0.1441328	0.494299	-6.2186598
5503000000	1.099557429	2.094935102	-8.229616724	-7.117668524	-7.817898552	-3.427962153	0.1503275	0.1941928	0.1652761	0.4541547	-6.18005
5503000000	1.099557429	2.14675498	-6.046725353	-7.312953908	-6.9207359	-3.900307413	0.2485006	0.1856542	0.2032004	0.4073514	-5.8306564
5503000000	1.099557429	2.199114858	-5.715512386	-7.353763701	-6.617919743	-4.718685963	0.2681938	0.1839177	0.2178753	0.3373894	-5.9886828
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5503000000	1.099557429	2.35619449	-14.56690377	-10.03384593	-8.80023857	-6.427347821	0.0349389	0.0992237	0.1318184	0.2276487	-9.0865864
5503000000	1.099557429	2.408554368	-13.13616741	-10.8088282	-10.21500098	-6.09963185	0.0485717	0.0830075	0.09517	0.2455295	-9.278617
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5503000000	1.099557429	3.141592654	-24.03857037	-21.42039335	-18.06654238	-21.99383272	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	1.151917306	-3.036872899	-19.90597107	-14.97493204	-14.58401945	-26.44197465	0.0102189	0.0317729	0.0347968	0.0022688	-17.041172
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5503000000	1.151917306	1.46076572	-2.792667053	-2.129107526	-4.947553158	-2.688320565	0.5256943	0.6124762	0.2617084	0.538478	-1.3426624
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5503000000	1.204277184	2.932153143	-14.36647114	-17.1335637	-19.41734939	-17.77842434	0.0365892	0.0770271	0.0114358	0.0166785	-14.505964
5503000000	1.204277184	2.879793266	-15.04906721	-10.31798206	-29.31065428	-14.31997279	0.0312675	0.0292938	0.001172	0.036983	-13.915746
5503000000	1.204277184	2.827433388	-18.87072333	-10.14451166	-22.53511507	-11.53008828	0.0569772	0.0967272	0.0055781	0.0703058	-13.352629
5503000000	1.204277184	2.775073511	-16.88355605	-10.317323	-16.10407542	-9.806807911	0.0204948	0.0929539	0.0245241	0.1045488	-12.173095
5503000000	1.204277184	2.722713633	-11.87676829	-10.79384696	-13.33720577	-9.24545834	0.0649117	0.0832943	0.0463745	0.1189746	-11.057461
5503000000	1.204277184	2.670353756	-9.381534899	-11.62199146	-11.41467743	-9.844710649	0.1153046	0.0688337	0.0721992	0.1036404	-10.547843
5503000000	1.204277184	2.617993878	-8.425330314	-12.41978829	-9.416796966	-11.43240407	0.1437034	0.0572824	0.1143722	0.0719051	-10.14054
5503000000	1.204277184	2.565634	-8.310877169	-12.6248371	-7.705833699	-12.95964672	0.1475409	0.0546407	0.1695964	0.050586	-9.7637259
5503000000	1.204277184	2.513274123	-8.724280279	-12.3671044	-6.604041066	-12.45266246	0.1341442	0.0579815	0.2185727	0.0568504	-9.3223299
5503000000	1.204277184	2.460914245	-9.565127542	-11.74381512	-6.06317751	-10.63387426	0.1105318	0.0686296	0.247561	0.0864197	-9.832635
5503000000	1.204277184	2.408554368	-								

5503000000	1.256637061	0.314159265	-0.671895489	2.195857734	-0.268351684	2.5487806	0.8566639	1.6580048	0.94008	1.7983659	1.1835688
5503000000	1.256637061	0.366519143	0.003460326	2.425231951	-1.376457057	2.388618005	1.0007971	1.7479266	0.7283738	1.7332524	1.1480689
5503000000	1.256637061	0.41887902	0.462354366	2.493867393	-2.633645849	2.20807304	1.1123346	1.7757701	0.5452999	1.6626748	1.0517619
5503000000	1.256637061	0.471238898	0.494977112	2.450358572	-3.043312814	2.069352203	1.1207215	1.7580688	0.4962137	1.6104054	0.9564083
5503000000	1.256637061	0.523598776	0.230700882	2.38607751	-2.661264059	2.03429843	1.0545571	1.7323288	0.5418432	1.5976917	0.9046357
5503000000	1.256637061	0.575958653	-0.237036494	2.364040447	-2.512924777	2.090932304	0.9468831	1.7234713	0.560668	1.6184274	0.8363247
5503000000	1.256637061	0.628318531	-0.760134374	2.38688536	-3.111147733	2.13882954	0.839434	1.732561	0.4885232	1.6363754	0.6975074
5503000000	1.256637061	0.680678408	-1.072190724	2.434838803	-4.356611705	2.070576592	0.7812336	1.7517974	0.3667236	1.6108595	0.5217568
5503000000	1.256637061	0.733838286	-1.185637386	2.513983929	-5.73993166	1.829684484	0.7610904	1.7840146	0.2667232	1.523942	0.350627
5503000000	1.256637061	0.785398163	-1.45706443	2.644780544	-6.903425452	1.417294295	0.7149794	1.838561	0.2040128	1.3858991	0.1530163
5503000000	1.256637061	0.837558041	-2.014375972	2.810671362	-8.48638644	0.874903713	0.6288722	1.9101485	0.1416972	1.22318	-0.1056153
5503000000	1.256637061	0.890117919	-2.392622893	2.94663905	-12.12840385	0.272970037	0.5764182	1.9708969	0.0612575	1.064871	-0.369866
5503000000	1.256637061	0.942477796	-2.009250961	2.984856184	-21.47030351	-0.296028341	0.6296148	1.988317	0.007128	0.9341082	-0.5071151
5503000000	1.256637061	0.994833674	-1.184470933	2.898114979	-12.65415027	-0.739049464	0.7612949	1.9489985	0.0542731	0.8435194	-0.4478313
5503000000	1.256637061	1.047197551	-0.603635659	2.706387274	-6.364239344	-1.003683201	0.8702348	1.8648278	0.2309809	0.7936549	-0.26907
5503000000	1.256637061	1.099557429	-0.462233881	2.455933653	-3.246225944	-1.104515313	0.899035	1.7603271	0.4735626	0.7754405	-0.1006486
5503000000	1.256637061	1.151917306	-0.526448989	2.185977381	-1.793773582	-1.095318182	0.8858396	1.654237	0.6616414	0.7770884	-0.0230762
5503000000	1.256637061	1.204277184	-0.479053419	1.900720447	-1.531459258	-1.021872743	0.8955599	1.5490736	0.7028361	0.7903377	-0.0680552
5503000000	1.256637061	1.256637061	-0.253050485	1.567253425	-2.282090904	-0.82370878	0.943398	1.4345819	0.591288	0.8084052	-0.2483561
5503000000	1.256637061	1.308996399	-0.035760247	1.135312184	-3.956681909	-0.867729934	0.9917997	1.2987669	0.4020979	0.8188927	-0.5656024
5503000000	1.256637061	1.361356817	-0.025860835	0.55562169	-6.3085571049	-0.936984092	0.994063	1.136481	0.2339614	0.8059379	-1.009399
5503000000	1.256637061	1.413716694	-0.278895215	-0.208287542	-8.615434774	-1.163055421	0.9378005	0.9531719	0.1375487	0.7650582	-1.5589898
5503000000	1.256637061	1.466076572	-0.689040675	-1.16434315	-10.26500098	-1.464811221	0.8532886	0.7648314	0.0940804	0.7137052	-2.1718611
5503000000	1.256637061	1.518436449	-1.066707141	-2.268805684	-11.53146243	-1.671315641	0.7822207	0.5930884	0.0705755	0.6805632	-2.7440299
5503000000	1.256637061	1.5719796327	-1.284182827	-3.399748	-11.39422992	-1.665966371	0.744015	0.4571147	0.0725399	0.6814019	-3.1089732
5503000000	1.256637061	1.623156204	-1.403313526	-4.356163283	-9.057281617	-1.510293091	0.7238834	0.3667614	0.124243	0.7062699	-3.1849638
5503000000	1.256637061	1.675516082	-1.633963777	-4.959393812	-6.529148163	-1.372523131	0.6864416	0.3191983	0.2223746	0.7290338	-3.1045842
5503000000	1.256637061	1.72787596	-2.101345186	-5.218710237	-4.866346607	-1.380188131	0.616404	0.3006969	0.3261109	0.7277483	-3.0738215
5503000000	1.256637061	1.780235837	-2.639728403	-5.310714348	-4.147926496	-1.557114368	0.5445367	0.2943938	0.3847754	0.6988695	-3.1821568
5503000000	1.256637061	1.832595715	-2.917324264	-5.390744854	-4.25253744	-1.846949935	0.5108196	0.2890184	0.3756179	0.6535894	-3.3983552
5503000000	1.256637061	1.884955592	-2.96607701	-5.1772094	-4.972273454	-2.190503308	0.5051174	0.2806906	0.3182531	0.6038786	-3.6958745
5503000000	1.256637061	1.93731547	-3.319307632	-5.730039583	-5.926165108	-2.587311554	0.4656603	0.2672982	0.2554956	0.5511488	-4.1465126
5503000000	1.256637061	1.989675347	-4.574266843	-6.10905959	-6.478135996	-3.0740195	0.3487975	0.2449594	0.225002	0.492718	-4.8429937
5503000000	1.256637061	2.042035225	-6.964616134	-6.705774812	-6.173352366	-3.69046674	0.2011585	0.2135121	0.2413597	0.4275169	-5.6721214
5503000000	1.256637061	2.094395102	-8.737167253	-7.392013255	-5.404447278	-4.513267565	0.1337468	0.182305	0.288108	0.3537311	-6.2074396
5503000000	1.256637061	2.14675498	-7.133593277	-7.864215167	-5.005251067	-5.624585989	0.193482	0.1632529	0.3158456	0.2738681	-6.2583907
5503000000	1.256637061	2.199114858	-5.351551412	-7.981794894	-5.692622799	-6.799660262	0.2916385	0.1591551	0.2696111	0.208946	-6.338804
5503000000	1.256637061	2.251474735	-5.171995483	-7.982630877	-6.052237489	-7.241124058	0.3039488	0.1591244	0.1565944	0.1887503	-6.9442405
5503000000	1.256637061	2.303834613	-6.692927458	-8.15017611	-12.26298699	-6.752210211	0.2141447	0.1531025	0.0593884	0.2112414	-7.973231
5503000000	1.256637061	2.35619449	-9.483744457	-8.499718829	-16.66787756	-6.334121958	0.1162266	0.1412629	0.034136	0.2325883	-8.855477
5503000000	1.256637061	2.408554368	-11.4036128	-8.864015815	-13.38971237	-6.538845658	0.0723834	0.1298968	0.0458172	0.2218786	-9.2998433
5503000000	1.256637061	2.460914245	-10.78608531	-9.32556833	-13.30102259	-6.949043121	0.0834431	0.1166123	0.0467625	0.2018811	-9.5010473
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5503000000	1.256637061	2.565634	-7.380462154	-12.50352029	-13.35024795	-6.153745426	0.1827906	0.0561886	0.0462355	0.2424518	-8.7970048
5503000000	1.256637061	2.617993878	-6.001651013	-12.17376354	-13.62892994	-5.669946646	0.2510932	0.0382493	0.0433618	0.2710225	-8.2121957
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5503000000	1.256637061	2.775073511	-9.216205088	-9.409951347	-16.36535147	-7.715625934	0.1197787	0.1145526	0.0230917	0.1692144	-9.7200137
5503000000	1.256637061	2.827433388	-8.993452106	-9.061780543	-16.96905827	-8.796554833	0.1260825	0.1241143	0.0200953	0.1319303	-9.9759733
5503000000	1.256637061	2.879793266	-8.801612566	-9.596519681	-15.28653247	-9.374158197	0.1317767	0.0973757	0.0296038	0.1155006	-10.147793
5503000000	1.256637061	2.932153143	-9.435073706	-11.36824687	-12.7858194	-10.34680121	0.1138918	0.0729752	0.0515725	0.0923251	-10.825409
5503000000	1.256637061	2.984513021	-10.08185268	-15.00422585	-12.65391789	-12.50964171	0.0981329	0.031592	0.054276	0.0561094	-12.21649
5503000000	1.256637061	3.036872899	-11.26675566	-21.46686049	-15.63238316	-15.67513328	0.0747007	0.0071304	0.0273377	0.0270699	-14.677597
5503000000	1.256637061	3.089232776	-14.88019296	-25.56168914	-21.91589014	-18.70295143	0.0325073	0.0027786	0.006433	0.0134805	-16.01261
5503000000	1.256637061	3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.089232776	-14.88019296	-25.56168914	-21.91589014	-18.70295143	0.0325073	0.0027786	0.006433	0.0134805	-16.01261
5503000000	1.256637061	3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.089232776	-14.88019296	-25.56168914	-21.91589014	-18.70295143	0.0325073	0.0027786	0.006433	0.0134805	-16.01261
5503000000	1.256637061	3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.089232776	-14.88019296	-25.56168914	-21.91589014	-18.70295143	0.0325073	0.0027786	0.006433	0.0134805	-16.01261
5503000000	1.256637061	3.141592654	-24.03857027	-21.42039321	-18.06654216	-21.99383244	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.256637061	3.141592654	-24.03857045	-21.42039325	-18.06654247	-21.99383229	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	1.256637061	3.141592654	-24.038570								

5503000000	1.308996939	0.20943951	0.433367645	1.421037745	0.148963605	2.653217987	1.1049351	1.3870872	1.0348952	1.8421365	1.2783778
5503000000	1.308996939	0.261799388	-0.650072242	1.753417244	0.196466707	2.61869382	0.8609794	1.4974134	1.046277	1.8275505	1.1662603
5503000000	1.308996939	0.314159265	-0.608213009	2.150397134	-0.235676722	2.54700596	0.8693181	1.6407398	0.9471796	1.7976312	1.1850187
5503000000	1.308996939	0.366519143	0.105509594	2.461475703	-1.368225506	2.445944214	1.024592	1.7625749	0.7297556	1.7563287	1.2001468
5503000000	1.308996939	0.41887902	0.53538061	2.604517313	-2.710495767	2.307959094	1.1311965	1.8215946	0.5357355	1.7015888	1.1309778
5503000000	1.308996939	0.471238898	0.520704228	2.590080834	-3.064305342	2.150691032	1.1273803	1.815519	0.4938209	1.6408508	1.0359601
5503000000	1.308996939	0.523598776	0.244855577	2.488982874	-0.293568179	2.024331241	1.0579997	1.773774	0.5768198	1.5937974	0.9711764
5503000000	1.308996939	0.575958653	-0.172752425	2.379263479	-1.922894149	1.961206908	0.961003	1.729523	0.6422596	1.5707993	0.8845371
5503000000	1.308996939	0.628318531	-0.591827561	2.30553484	-2.293177945	1.907178832	0.8726041	1.7004093	0.5897694	1.5596167	0.7210273
5503000000	1.308996939	0.680678408	-0.772840518	2.28273457	-3.505019801	1.85828624	0.8369817	1.6915057	0.4461676	1.5340115	0.5198812
5503000000	1.308996939	0.730382826	-0.772653729	2.324320621	-5.211633785	1.688640937	0.8370177	1.7077805	0.3011873	1.4752448	0.3354742
5503000000	1.308996939	0.785398163	-0.975592611	2.441897236	-6.988740907	1.410092443	0.7988049	1.7546469	0.2000442	1.3835958	0.1463517
5503000000	1.308996939	0.837758041	-1.508610091	2.609646341	-9.037968154	1.047816363	0.7065436	1.8237472	0.1247967	1.2728629	-0.0789399
5503000000	1.308996939	0.890117919	-1.892252289	2.75279114	-12.40018987	0.640318876	0.6468071	1.8848601	0.0575415	1.1588624	-0.2825217
5503000000	1.308996939	0.942477796	-1.515419936	2.787183949	-16.07624564	0.223899485	0.7054366	1.899846	0.0246817	1.0529068	-0.3587346
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5503000000	1.308996939	1.047197551	-0.039559708	2.390644178	-6.562416019	-0.500595174	0.9909324	1.7340612	0.2206777	0.8911288	-0.1809082
5503000000	1.308996939	1.099557429	0.171577369	2.012721624	-8.242461898	-0.736868294	1.0402979	1.5895426	0.414547	0.8439431	-0.122968
5503000000	1.308996939	1.151917306	0.167664247	1.595429527	-2.511346845	-0.862299054	1.039361	1.4439194	0.560874	0.8199174	-0.150148
5503000000	1.308996939	1.204277184	0.231760613	1.179849558	-2.365112145	-0.89377948	1.0548144	1.3121544	0.5800812	0.8139956	-0.2675139
5503000000	1.308996939	1.256637061	0.416926632	0.761984516	-0.867685163	0.223899485	1.1007601	1.1917865	0.4635151	0.8717137	-0.4899837
5503000000	1.308996939	1.308996939	0.55859363	0.306599066	-5.511297145	-0.882962241	1.1372589	1.0731489	0.2811061	0.8160256	-0.8255495
5503000000	1.308996939	1.361356817	0.506729003	-0.229058246	-8.808123991	-0.990614457	1.1237583	0.9486242	0.1315793	0.7960647	-1.2493751
5503000000	1.308996939	1.413716694	0.247276648	-0.886308959	-11.67392506	-1.23198383	1.0585897	0.815397	0.0680154	0.7530115	-1.7149902
5503000000	1.308996939	1.466076572	-0.112959273	-1.701649329	-11.6278762	-1.540179339	0.9743255	0.7658263	0.0687405	0.7014263	-2.1817466
5503000000	1.308996939	1.518436449	-0.43578227	-2.694665085	-10.46797261	-1.768232067	0.9045275	0.5376919	0.0897848	0.665544	-2.6012158
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5503000000	1.308996939	3.089232776	-14.83132051	-24.73931129	-21.60594296	-18.6612471	0.0328752	0.0033579	0.0069088	0.0136105	-18.480753
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5503000000	1.361356817	3.141592654	-24.03857029	-21.42039322	-18.06654227	-21.99383264	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.361356817	3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.413716694	-3.089232776	-24.57856812	-19.34301974	-14.46749857	-26.26533907	0.0034845	0.0116332	0.0357479	0.002363	-17.7895152
5503000000	1.413716694	-3.036872899	-18.98693864	-16.54473726	-13.98706351	-24.73767349	0.0126272	0.0221578	0.0399295	0.0033592	-17.095557
5503000000	1.413716694	-2.984513021	-15.33219009	-13.60982617	-14.91581397	-22.60460403	0.0292942	0.0435529	0.0322417	0.0054896	-15.583896
5503000000	1.413716694	-2.932153143	-13.3692784	-11.50360301	-17.08405029	-18.87941476	0.0460333	0.0707359	0.0195702	0.0129437	-14.280494
5503000000	1.413716694	-2.879793266	-14.53026877	-10.46050633	-22.59940138	-13.53507289	0.0352349	0.0899393	0.0054962	0.0434091	-13.59073
5503000000	1.413716694	-2.827433388	-20.65041225	-10.36333056	-23.04241539	-9.750904107	0.0086091	0.0919744	0.0049632	0.1059033	-12.768523
5503000000	1.413716694	-2.775073511	-17.58570515	-10.98802427	-16.29513504	-7.741784445	0.0174353	0.0796522	0.0234686	0.1681983	-11.415315
5503000000	1.413716694	-2.722									

5503000000	1.413716694	-4.44E-16	0.959000815	1.507444554	1.327627438	2.623027024	1.2470966	1.414961	1.3575716	1.8293748	1.6502192
5503000000	1.413716694	0.052359878	1.421140238	1.378837325	1.246698881	2.536331432	1.38712	1.3736742	1.3325082	1.7932182	1.6779867
5503000000	1.413716694	0.104719755	1.877055812	1.230015275	1.0718505313	2.540640901	1.5406557	1.3273991	1.1799145	1.7800823	1.634634
5503000000	1.413716694	0.157079633	1.543048475	1.14231043	1.07885173	2.518820061	1.4266086	1.3008614	1.0420419	1.7860023	1.4266247
5503000000	1.413716694	0.20943951	0.41909082	1.233280414	0.084467228	2.520278515	1.1013087	1.2339375	1.0166397	1.7866021	1.1693534
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5503000000	1.413716694	0.314159265	-0.469477117	2.056627401	-0.168837581	2.483766155	0.8975368	1.0656938	0.9618697	1.7176446	1.1701044
5503000000	1.413716694	0.366519143	0.271388049	2.526771369	-1.305351809	2.493526728	1.0644832	1.7892752	0.7403973	1.7756308	1.2789702
5503000000	1.413716694	0.41887902	0.62547644	2.83287938	-2.795887137	2.448049702	1.1549087	1.9199412	0.5253047	1.7733929	1.282011
5503000000	1.413716694	0.472423398	0.925180735	3.106251512	-3.106251512	2.413717745	1.1149165	1.9611828	0.4890743	1.7447442	1.2302781
5503000000	1.413716694	0.523598776	0.07575076	2.829686711	-2.06778865	2.265328172	1.0175953	1.9185303	0.6299733	1.6847397	1.1816688
5503000000	1.413716694	0.575958653	-0.365254889	2.610074399	-1.147041538	2.058286615	0.9193365	1.8239269	0.7678844	1.6063074	1.0699406
5503000000	1.413716694	0.628318531	-0.690238212	-0.690238212	1.337119669	1.837421434	0.8530533	1.7125793	0.7350012	1.5266594	0.8164368
5503000000	1.413716694	0.680678408	-0.681138421	2.069296688	-2.7081924	1.625969816	0.8548426	1.6103848	0.5360197	1.4541091	0.4682244
5503000000	1.413716694	0.733038286	-0.459452859	1.859740212	-5.07524714	1.426781028	0.8996109	1.5345252	0.3170959	1.3889228	0.1429523
5503000000	1.413716694	0.785398163	-0.487734517	1.752582866	-7.54781238	1.246146401	0.8937716	1.4971258	0.1758809	1.3323387	-0.1109372
5503000000	1.413716694	0.837758041	-0.958243784	1.762989494	-8.597841028	1.100875552	0.8020023	1.5007175	0.1381071	1.2885093	-0.3042846
5503000000	1.413716694	0.890117919	-1.4522113913	1.844146283	-5.858765956	0.995096683	0.7157949	1.5290251	0.138396	1.2575048	-0.4087261
5503000000	1.413716694	0.942477796	-1.291184006	1.898680959	-8.910161099	0.86780613	0.7428166	1.5483463	0.1285239	1.2293521	-0.398809
5503000000	1.413716694	0.994837674	-0.589072893	1.82975471	-9.934097056	0.743225357	0.8731577	1.5239676	0.101529	1.1866497	-0.3558666
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5503000000	1.413716694	1.413716694	0.360898575	-3.40425455	-8.18200221	-2.15183515	1.0866504	0.4566406	0.1439395	0.6092794	-2.4099166
5503000000	1.413716694	1.466076572	0.03141169	-4.093920261	-7.192972119	-2.138581412	1.007259	0.3899502	0.1908547	0.6111416	-2.5986528
5503000000	1.413716694	1.518436449	-0.183644973	-4.801121141	-7.180149319	-1.925144034	0.9585958	0.3310457	0.1913793	0.6419269	-2.751207
5503000000	1.413716694	1.570796327	-0.347404242	-5.688853354	-7.961672097	-1.648086461	0.923122	0.2984572	0.1598942	0.6842131	-2.9305287
5503000000	1.413716694	1.623156204	-0.642578243	-6.85067663	-8.466176579	-1.468868976	0.8624664	0.2065058	0.1423582	0.7130357	-3.1777229
5503000000	1.413716694	1.675516082	-1.197266249	-8.151030386	-8.022540795	-1.48916897	0.7590552	0.1530724	0.1576689	0.7097136	-3.5175954
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5503000000	1.413716694	1.780235837	-2.611467649	-9.410907209	-7.331558941	-2.158871939	0.5480917	0.1145274	0.1848605	0.608293	-4.3899646
5503000000	1.413716694	1.832595715	-2.975880991	-9.081242468	-8.128148082	-2.636205774	0.5039784	0.1235594	0.1538811	0.5449786	-4.7938633
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5503000000	1.413716694	2.932515143	-9.977470905	-13.55561113	-12.80873079	-11.78088439	0.1005201	0.0441	0.0523753	0.0663608	-11.815163
5503000000	1.413716694	2.984513021	-9.7425979	-16.60154771	-12.26670526	-13.80550599	0.1061061	0.0218698	0.0593375	0.0416341	-12.42324
5503000000	1.413716694	3.036872899	-10.9173641	-21.08702974	-14.70299792	-16.18560277	0.0809587	0.0077857	0.033861	0.024068	-13.570786
5503000000	1.413716694	3.089327776	-14.77785985	-23.27530864	-21.03534658	-18.57136347	0.0332824	0.004704	0.0078789	0.0138952	-18.256463
5503000000	1.413716694	3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.413716694	3.194592654	-24.03857039	-21.42039355	-18.06654232	-21.9938326	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.413716694	3.241592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.413716694	3.289327776	-14.77785985	-23.27530864	-21.03534658	-18.57136347	0.0332824	0.004704	0.0078789	0.0138952	-18.256463
5503000000	1.413716694	3.341592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	1.466076572	-4.44E-16	0.959000575	1.507444245	1.327627839	2.623026887	1.2470965	1.4149609	1.3575717	1.8293748	1.6502192
5503000000	1.466076572	0.052359878	1.434086601	1.358775221	1.255610435	2.521815082	1.3912612	1.3673432	1.3352453	1.7872344	1.6793739
5503000000	1.466076572	0.104719755	1.894561117	1.192639558	1.275942518	2.466300606	1.5468782	1.3160244	1.1819368	1.7645341	1.6206931
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5503000000	1.466076572	0.20943951	0.445719665	1.155414161	0.039888909	2.455181283	1.1080822	1.3047924	1.0092271	1.7586538	1.1232555
5503000000	1.466076572	0.261799388	-0.573720917	1.491634328	0.169722539	2.431973616	0.8762498	1.4098192	1.0398537	1.7506421	1.0350994
5503000000	1.466076572	0.318159265	-0.414150326	2.025639086	-0.121132748	2.438626159	0.9090441	1.5942775	0.9724935	1.7533258	1.1637035
5503000000	1.466076572	0.366519143	0.319419532	2.568854014	-1.225117542	2.491797378	1.0763213	1.8066973	0.754203	1.7749239	1.1309488
5503000000	1.466076572	0.41887902	0.636122795	2.956263022	-2.777570471	2.555256318	1.1577433	1.9752692	0.5275249	1.8010494	1.3525885
5503000000	1.466076572	0.471238898	0.399692118	3.119682208	-3.168919461	2.565390726	1.0964005	2.0510121	0.4820677	1.8052571	1.3311858
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5503000000	1.466076572	0.628318531	-1.005828274	2.550159728	-1.217595535	2.073942724	0.793263	1.7989371	0.7555104	1.6121085	0.9340583
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5503000000	1.466076572	0.733038286	-0.602409131	1.85732908	-5.252810645	1.594049646	0.8704806	1.5336735	0.2983451	1.4434607	0.155651
5503000000	1.466076572	0.785398163	-0.529056566	1.590082312	-7.607228174	1.376219891	0.8853079	1.4421427	0.1734911	1.3722845	-0.1392412
5503000000	1.466076572	0.837758041	-0.966554087	1.443444054	-7.998821871	1.18821392	0.8004691	1.3942299	0.1738272	1.314684	-0.3583347
5503000000	1.466076572	0.890117919	-1.555022582	1.410796024	-6.646216415	1.038028656	0.6990331	1.38382	0.2164604	1.2699975	-0.4947561
5503000000	1.466076572	0.942477796	-1.585288472	1.41669097	-6.431756941	0.913612704	0.6941785	1.3856995	0.2274177	1.234131	-0.5288173
5503000000	1.466076572	0.994837674	-1.028151297	1.356467232	-7.220726826	0.772610225	0.789196	1.3666167	0.1896389	1.1947059	-0.503741
5503000000	1.466076572	1.047197551	-0.493048435	1.147642737	-8.865546062	0.52212673	0.8926787	1.3024596	0.129851	1.138207	-0.6258287
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5503000000	1.466076572	1.151917306	-0.143438632	0.173741651	-10.65778529	0.057667751	0.9675115	1.0818635	0.0859452	0.9868093	-1.1335667
5503000000	1.466076572	1.204277184	0.09472143	-0.567446285	-0.331104438	-0.335829614	1.02025	0.8775167	0.1174599	0.9255866	-1.3332683
5503000000	1.466076572	1.256637061	0.423811583	-1.453543668	-8.058714919	-0.527941311	1.1025065	0.7155593	0.156361	0.8855353	-1.5659971
5503000000	1.466076572	1.308996939	0.581301642	-2.456232878	-7.084865538	-0.650654595	1.1432209	0.5680371	0.1956651	0.860864	-1.599273
5503000000	1.466076572	1.361356817	0.42515278	-3.482690364	-6.108066723	-0.722978851	1.102847	0.4484675	0.2450188	0.8464645	-1.7996615
5503000000	1.466076572	1.413716694	0.066709544	-3.485809112	-5.34126558	-0.726235017	1.015479	0.3665381	0.29233	0.846012	-2.0095757
5503000000	1.466076572	1.466076572	-0.25113569	-4.950450165	-5.268420997	-0.636825597	0.943814	0.3198564	0.2972747	0.8636096	-2.1742802
5503000000	1.466076572	1.518436449	-0.391364513	-5.327882173	-6.266852573	-0.49753687	0.9138261	0.2932323	0.236219	0.8917566	-2.3376681
5503000000	1.466076572	1.570796327	-0.463019206	-5.706926509	-8.587398407	-0.426202621	0.8988725	0.2687246	0.1384395	0.9065249	-2.5716465
5503000000	1.466076572	1.623156204	-0.710717349	-6.223584104	-12.07570936	-0.547360206	0.8490402	0.2385842	0.0620053	0.8815846	-2.9430245
5503000000	1.466076572	1.675516082	-1.272688783	-6.79827298	-14.313128701	-0.928036352	0.7459868	0.2090127	0.0386252	0.8076001	-3.4649207
5503000000	1.466076572	1.72787596	-2.015973686	-7.203713872	-12.67417549	-1.544156633	0.6286409	0.1903832	0.0540203	0.707843	-4.0510167
5503000000	1.466076572	1.780235837	-2.604489456	-7.325611983	-11.26966448	-2.252941672	0.5489731	0.1851138	0.0746506	0.5925588	-4.5469401
5503000000	1.466076572	1.832595715	-2.873199322	-7.255184159	-10.95148393	-2.814029663	0.5160361	0.1881402	0.0803252	0.5231148	-4.8557968
5503000000	1.466076572	1.884955592	-3.037170812	-7.020980018	-11.19128934	-3.079781286	0.4969159	0.1985647	0.0760101	0.4920643	-5.0046585
5503000000	1.466076572	1.93731547	-3.383884945	-6.485785254	-10.89606479	-3.210948267	0.4587874	0.2246061	0.0813466	0.477425	-5.0788066
5503000000	1.466076572	1.989675347	-3.986229833	-5.681331576	-9.717161615	-3.544968423	0.3993715	0.2703129	0.1067293	0.4420823	-5.1623586
5503000000	1.466076572	2.042035225	-4.663584065	-4.972015689	-8.544726447	-3.730373788	0.3416973	0.318272	0.1398322	0.3731871	-5.3276951
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5503000000	1.466076572	2.14675498	-4.70244169	-5.192591629	-7.643126217	-5.813118952	0.3386537	0.3025108	0.172063	0.2622335	-5.7046537
5503000000	1.466076572	2.199114858	-3.951470747	-6.311946802	-7.655789799	-5.596995574	0.4025807	0.3327789	0.171562	0.2756135	-5.6721704
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5503000000	1.466076572	2.35619449	-5.962371262	-12.37353811	-7.538502545	-5.29658516	0.2533745	0.0578957	0.1762584	0.2673127	-7.2419922
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5503000000	1.466076572	2.513274123	-7.767194802	-15.84149141	-11.29222856	-5.422342666	0.167121	0.0260526	0.0742638	0.2869232	-8.5819233
5503000000	1.466076572	2.565647	-7.543279032	-14.45147848	-11.10649095	-5.268452143	0.1760646	0.03588	0.0775088	0.2979516	-8.3312234
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5503000000	1.466076572	2.670353756	-7.353827137	-10.4092533	-13.61760477	-7.032962754	0.1839151	0.091007	0.043475	0.1980176	-8.8906149
5503000000	1.466076572	2.722713633	-7.441135586	-9.445075506	-16.56046259	-8.555103007	0.1802546	0.1136299	0.0220777	0.1394729	-9.4363535
5503000000	1.466076572	2.775073511	-8.672031527	-9.681784887	-15.26944159	-9.770995049	0.1357678	0.0716023	0.0297205	0.1054145	-10.239882
5503000000	1.466076572	2.827433388	-10.56380597	-10.89685805	-14.11626894	-10.46700575	0.0878253	0.0813419	0.038759	0.0898048	-11.28236
5503000000	1.466076572	2.879793266	-11.13980412	-12.59008552	-13.986243	-12.0543587	0.0769165	0.0550797	0.039937	0.0757629	-12.081408
5503000000	1.466076572	2.932153143	-10.16140501	-14.51181336	-12.81358196	-12.51567458	0.0963517	0.035385	0.0523169	0.0560315	-12.216948
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5503000000	1.466076572	3.089232776	-14.77473789	-22.621932	-20.78642529	-18.52343094	0.0333063	0.0054677	0.0083437	0.0104894	-18.155424
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5503000000	1.466076572	2.984513021	-14.86849492	-14.34330083	-14.13907474	-20.4665132	0.032595	0.0367849	0.038556	0.0098915	-15.341807
5503000000	1.466076572	2.932153143	-13.041								

5503000000	1.518436449	-0.20943951	2.134003507	2.181149026	1.828519924	1.722980063	1.6345581	1.6523989	1.5235334	1.4869556	1.9710446
5503000000	1.518436449	-0.157079633	2.639540092	1.943724995	1.355332311	2.183776564	1.8363439	1.5644889	1.3662596	1.6533989	2.0550828
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5503000000	1.518436449	0.052359878	1.445418205	1.338724756	1.264811732	2.507014414	1.394896	1.361045	1.3380772	1.7811539	1.669606
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5503000000	1.518436449	0.157079633	1.590984311	1.033950369	0.134074857	2.40052997	1.4424422	1.2688055	1.0313534	1.7380129	1.3676922
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5503000000	1.518436449	0.261799388	-0.517729562	1.440415648	0.157266762	2.374023276	0.8876199	1.3932901	1.0368757	1.7273474	1.0082039
5503000000	1.518436449	0.314159265	-0.375798667	2.013958652	-0.054946558	2.397094104	0.9171073	1.5899954	0.9874278	1.7366384	1.1653875
5503000000	1.518436449	0.366519143	0.339220799	2.619087658	-1.098704459	2.480851165	1.0812399	1.8277162	0.7764787	1.7704559	1.3480568
5503000000	1.518436449	0.41887902	0.626559626	3.075169659	-2.700489089	2.597705757	1.1551968	2.0300978	0.5369713	1.8187398	1.4152861
5503000000	1.518436449	0.471238898	0.310661999	3.302692246	-3.285840324	2.683737333	1.0741531	2.1392879	0.4722217	1.8551274	1.4151171
5503000000	1.518436449	0.523598776	-0.346597274	3.305423731	-2.120354049	2.684087344	0.9232946	2.1406338	0.613712	1.8552769	1.4089418
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5503000000	1.518436449	0.785398163	-0.719683783	1.584018306	-7.221054604	1.768801929	0.8472891	1.4401304	0.1896245	1.5027274	-0.0220186
5503000000	1.518436449	0.837758041	-1.118632066	1.265337643	-6.530905255	2.518210662	0.772924	1.3382393	0.2222846	1.418473	-0.2780632
5503000000	1.518436449	0.890117919	-1.811191074	1.059328441	-5.270696972	1.24084379	0.6589931	1.2762414	0.2971004	1.3307129	-0.5023832
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5503000000	1.518436449	1.151917306	-0.903456325	-0.339603165	-5.920302612	0.081757034	0.8121839	0.9247827	0.2558408	1.0190036	-1.2323229
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5503000000	1.518436449	1.361356817	0.002138119	-3.870795338	-3.045405273	0.566903521	1.0049264	0.4139239	0.4959746	1.1394371	-1.1778464
5503000000	1.518436449	1.413716694	-0.368454814	-4.54238202	-2.916613448	0.694597373	0.9186594	0.3513677	0.5109032	1.1734369	-1.3159552
5503000000	1.518436449	1.466076572	-0.659478139	-4.784897931	-3.308677087	0.761743659	0.8591167	0.3322846	0.4668016	1.1917204	-1.4722682
5503000000	1.518436449	1.518436449	-0.698255932	-4.663912273	-4.48376719	0.748028704	0.8514799	0.3167115	0.3561421	1.1979629	-1.6474451
5503000000	1.518436449	1.570796327	-0.637626853	-4.480459097	-6.738809563	0.589959949	0.8634502	0.3564135	0.2118942	1.1455024	-1.0909071
5503000000	1.518436449	1.623156204	-0.787226539	-4.42486658	-10.36234169	0.20711242	0.8342138	0.3610367	0.0919953	1.0475415	-2.3381267
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5503000000	1.518436449	1.780235837	-2.470118371	-4.677188015	-11.90711313	-2.33913661	0.5662239	0.3406287	0.0644598	0.5835611	-4.1036496
5503000000	1.518436449	1.832595715	-2.635478265	-4.830060304	-10.56187615	-2.987289657	0.5450699	0.3288471	0.0878643	0.5026562	-4.3638918
5503000000	1.518436449	1.884955592	-2.820241677	-5.034452098	-10.03875621	-3.235620606	0.5223671	0.3137291	0.0991116	0.4744787	-4.5258428
5503000000	1.518436449	1.93731547	-3.299251054	-5.057852324	-9.671315317	-3.432924579	0.4678158	0.3120432	0.1078665	0.456366	-4.7451412
5503000000	1.518436449	1.989675347	-3.979204196	-4.649348909	-9.057132457	-4.011263207	0.400018	0.3428192	0.1242472	0.397076	-5.0025778
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5503000000	1.518436449	2.460914245	-8.741387192	-16.71803379	-10.19381615	-6.583548587	0.1336169	0.0212391	0.0825029	0.2700257	-8.9667828
5503000000	1.518436449	2.513274123	-7.694442722	-16.74816286	-12.9180304	-5.229753771	0.1700418	0.0211438	0.0510737	0.2999333	-8.6790644
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5503000000	1.518436449	2.775073511	-8.828794645	-9.629084004	-15.01938165	-10.34939034	0.1309455	0.108916	0.031482	0.0922701	-10.414092
5503000000	1.518436449	2.827433388	-11.17010651	-11.14813015	-13.70222006	-10.9847213	0.0763817	0.0767692	0.0426362	0.0797128	-11.619387
5503000000	1.518436449	2.879793266	-11.87370424	-13.30922815	-13.71806155	-11.95488038	0.0649575	0.0466742	0.0424809	0.0637547	-12.638678
5503000000	1.518436449	2.932153143	-10.311445966	-15.39284507	-12.86994312	-13.01149133	0.0930152	0.0288879	0.0516423	0.0545693	-12.611369
5503000000	1.518436449	2.984513021	-9.563955309	-17.56579915	-12.24751913	-14.98675295	0.1105616	0.071554	0.0596003	0.0317194	-12.6083
5503000000	1.518436449	3.036872899	-10.77250872	-20.31306842	-17.34706444	-16.48882482	0.0837046	0.0093045	0.0365556	0.0224449	-14.201892
5503000000	1.518436449	3.089232776	-14.78834331	-22.01501858	-20.56597827	-18.47386359	0.0332021	0.0062878	0.0087781	0.0142106	-18.063282
5503000000	1.518436449	3.141592654	-24.03857017	-21.4203934	-18.06654234	-21.99383232	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.518436449	3.141592654	-24.03857058	-21.4203936	-18.06654234	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.518436449	3.141592654	-24.03857058	-21.4203936	-18.06654234	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.518436449										

5503000000	1.570796327	-0.314159265	1.221388928	2.69384056	1.742212077	1.060646033	1.3247651	1.8594481	1.493555	1.2766287	1.7277779
5503000000	1.570796327	-0.261799388	1.289990825	2.419638908	1.894435955	1.273077043	1.3458575	1.745677	1.5468336	1.3406262	1.7456815
5503000000	1.570796327	-0.20943951	2.100989602	2.169897577	1.762874208	1.703732121	1.6221797	1.62481235	1.5006777	1.48038	1.9391458
5503000000	1.570796327	-0.15079633	2.616126831	1.963566729	1.322690467	2.184323988	1.8264706	1.571653	1.3560292	1.6536074	2.0464626
5503000000	1.570796327	-0.104719755	2.289383938	1.803500179	1.946803173	2.536437445	1.6940975	1.5147816	1.2435989	1.793262	1.953239
5503000000	1.570796327	-0.052359878	1.396253794	1.664028366	1.039135541	2.6736046	1.3791941	1.4669079	1.2703212	1.8508041	1.17371259
5503000000	1.570796327	-4.44E-16	0.959000721	1.507444156	1.372627766	2.63202696	1.2470965	1.4149608	1.3575717	1.8293748	1.6502192
5503000000	1.570796327	0.052359878	1.45512186	1.31876401	1.274270631	2.492050265	1.3980161	1.3548038	1.3409947	1.7750273	1.6649242
5503000000	1.570796327	0.104719755	1.931184369	1.122902896	1.744143013	2.387944006	1.5599779	1.2950612	1.1869005	1.7329834	1.594862
5503000000	1.570796327	0.15079633	1.629299672	0.99310383	1.011554282	2.342862953	1.4552244	1.2569279	1.0260191	1.7150876	1.3459613
5503000000	1.570796327	0.20943951	0.560052537	1.055641315	-0.059756111	2.3249837	1.137641	1.2751584	0.9863328	1.7094242	1.062382
5503000000	1.570796327	0.261799388	-0.451114861	1.416955704	0.149957217	2.329258271	0.9013397	1.3857841	1.035132	1.7097233	0.9967884
5503000000	1.570796327	0.314159265	-0.355794483	2.023919841	0.033696879	2.368188424	0.9213413	1.5936465	1.0077892	1.7251181	1.1792515
5503000000	1.570796327	0.366519143	0.330612751	2.673013139	-0.922432478	2.468201595	1.079099	1.8505521	0.8086429	1.7653067	1.3858692
5503000000	1.570796327	0.41887902	0.602090969	1.37826431	-2.552999754	2.611914061	1.1487065	2.0767425	0.5555204	1.8246997	1.4656747
5503000000	1.570796327	0.471238898	0.224799103	3.441268229	-3.347496676	2.745414799	1.053125	2.2086496	0.4626476	1.8816614	1.4659958
5503000000	1.570796327	0.523598776	-0.582583349	3.476393381	-2.331834692	2.831221568	0.8744635	2.2265853	0.5845431	1.9112705	1.4588463
5503000000	1.570796327	0.575958653	-1.480639564	3.317451972	-1.284059893	2.791796746	0.7111088	2.1465707	0.7440361	1.9018649	1.3858533
5503000000	1.570796327	0.628318531	-2.047755778	3.008193783	-1.352094947	2.700074743	0.6240572	1.9993003	0.7324712	1.8621192	1.1541728
5503000000	1.570796327	0.680678408	-1.894397465	2.59007569	-2.730315312	2.5783364	0.6464877	1.8155473	0.5332962	1.8106464	0.7972175
5503000000	1.570796327	0.730382826	-1.29748555	2.107220721	-5.024072013	2.448747867	0.7417396	1.6245088	0.3144798	1.7574169	0.451415
5503000000	1.570796327	0.785398163	-0.988514599	1.611312448	-6.4159915	2.292469293	0.7964317	1.4492097	0.2282448	1.6953014	0.1799145
5503000000	1.570796327	0.837758041	-1.336812819	1.556296852	-2.06577904	2.06577904	0.7350531	1.3482073	0.2735712	1.690981	-0.084867
5503000000	1.570796327	0.890117919	-2.119674057	0.779325129	-4.486164141	1.741556078	0.6138081	1.1950677	0.3559456	1.4933294	-0.387984
5503000000	1.570796327	0.942477796	-2.639510265	0.460923228	-3.818781587	1.341794099	0.5456461	1.1196981	0.4150705	1.1269072	-0.6630905
5503000000	1.570796327	0.994836764	-2.532408027	0.179561261	-3.436685247	0.930321689	0.5581606	1.042013	0.4532434	1.2388883	-0.8453504
5503000000	1.570796327	1.047197551	-2.226029948	-0.11733159	-3.173824743	0.570475312	0.5989589	0.9733451	0.4815235	1.1403746	-0.976976
5503000000	1.570796327	1.099557429	-2.0469182	-0.471743096	-2.997752274	0.203028406	0.6241776	0.8970687	0.5014498	1.0720199	-1.114392
5503000000	1.570796327	1.151917306	-1.843932231	-0.913884255	-2.750436421	0.162242572	0.6540437	0.8102361	0.5380311	1.0380643	-1.201625
5503000000	1.570796327	1.204277184	-1.372849434	-1.460140162	-2.7996367	0.190896184	0.7289791	0.7144733	0.5916074	1.0449358	-1.1350989
5503000000	1.570796327	1.256637061	-0.770486939	-2.113051747	-1.727175991	0.38491126	0.8374354	0.6147447	0.6718656	1.0267653	-0.9464659
5503000000	1.570796327	1.308996939	-0.427191815	-2.835253786	-1.353587964	0.669617142	0.9063184	0.5205646	0.7352943	1.1667068	-0.7976132
5503000000	1.570796327	1.361356817	-0.5254609129	-3.485509626	-1.212481749	0.939562185	0.8860395	0.4481765	0.7564005	1.2415271	-0.7933628
5503000000	1.570796327	1.413716694	-0.885746714	-3.817776164	-1.39541268	1.119330431	1.8155026	0.4151666	0.7252016	1.2399963	-0.901944
5503000000	1.570796327	1.466076572	-1.125276858	-3.693457314	-1.962577867	1.180295441	0.7717423	0.4272226	0.6364176	1.3122892	-1.0407055
5503000000	1.570796327	1.518436449	-1.037072351	-3.279221306	-3.057845871	1.110416218	0.7875765	0.4699784	0.4945559	1.291343	-1.1869327
5503000000	1.570796327	1.570796327	-0.821878281	-2.87011601	-4.848198892	0.877163805	0.8275842	0.5164026	0.3274765	1.2238167	-1.4036943
5503000000	1.570796327	1.623156204	-0.849406691	-2.638989499	-7.373615742	0.424611318	0.822355	0.5446048	0.183079	1.0127095	-1.7835806
5503000000	1.570796327	1.675516082	-1.284774572	-2.59509576	-9.959886956	-0.28354762	0.7439137	0.5501618	0.1009277	0.9367965	-2.3436877
5503000000	1.570796327	1.72787596	-1.904717313	-2.668143968	-10.71396411	-1.1874003	0.6449533	0.5409855	0.0848406	0.7607815	-2.9423015
5503000000	1.570796327	1.780235837	-2.280772593	-2.820576888	-9.756545305	-2.066117396	0.5914564	0.5223268	0.1057659	0.6214243	-3.3701248
5503000000	1.570796327	1.832595715	-2.369833259	-3.10364031	-8.887806254	-2.645840839	0.5794509	0.4893685	0.1291872	0.5437708	-3.6106734
5503000000	1.570796327	1.884955592	-2.586053811	-3.576027634	-8.584841266	-2.943296505	0.5513084	0.438932	0.1385211	0.5077739	-3.881346
5503000000	1.570796327	1.93731547	-3.209957935	-4.119209291	-8.611988836	-3.326206106	0.4775339	0.3873281	0.1376579	0.4649212	-4.354993
5503000000	1.570796327	1.989675347	-4.035435242	-4.354194841	-8.59226371	-3.122399336	0.3948721	0.3669277	0.1382845	0.3870438	-4.9243821
5503000000	1.570796327	2.042035225	-4.538742349	-4.045514981	-8.296638935	-5.264741014	0.3516623	0.3939567	0.1480254	0.2975267	-5.2608588
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5503000000	1.570796327	2.199114858	-4.441995593	-3.878606889	-6.907235087	-5.410310742	0.3959841	0.409392	0.2038339	0.2877193	-5.0150707
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5503000000	1.570796327	2.303834613	-4.279527298	-6.839158716	-7.650232323	-5.556612799	0.3732908	0.270542	0.1717816	0.2781882	-5.8909002
5503000000	1.570796327	2.35619449	-5.640876397	-9.044405122	-8.09891708	-6.108473439	0.2782427	0.1246119	0.1563213	0.2449924	-6.9963913
5503000000	1.570796327	2.408554368	-8.052562466	-11.37295874	-9.112312294	-6.184314085	0.1565827	0.0728961	0.1226786	0.2407513	-9.2007222
5503000000	1.570796327	2.460914245	-8.986779158	-13.54225423	-11.83890496	-5.726725575	0.1262764	0.0442359	0.0654879	0.2675023	-9.8905748
5503000000	1.570796327	2.513274123	-7.805027289	-15.15514613	-15.13922286	-5.420244933	0.1657667	0.0305384	0.0306251	0.2876295	-8.911036
5503000000	1.570796327	2.565634	-7.442318331	-14.88293267	-13.40277863	-5.801689304	0.1802056	0.0324868	0.0456796	0.2629645	-8.8497524
5503000000	1.570796327	2.617993878	-7.980022576	-12.5365063	-11.72177747	-7.013438016	0.15922	0.0557634	0.0672702	0.1989098	-9.196737
5503000000	1.570796327	2.670353756	-7.990673555	-10.25371021	-12.80323441	-6.183295703	0.15883	0.0943255	0.0524417	0.1332339	-9.5976261
5503000000	1.570796327	2.722713633	-7.849974777	-9.136709154	-14.8666059	-10.15479973	0.1640599	0.1219914	0.0287166	0.0964984	-9.8793686
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5503000000	1.570796327	2.827433388	-11.87273582	-11.03680893	-13.41501725	-11.49479687	0.064972	0.0787624	0.045551	0.0708794	-11.868112
5503000000	1.570796327	2.879793266	-12.59599314	-13.58734367	-13.54887866	-12.83421022	0.0550048	0.043779	0.0441684	0.052069	-13.119781
5503000000	1.570796327	2.932153143	-10.41876833	-15.96336735	-12.99011598	-14.43544898	0.0980878	0.0253316	0.0502329	0.0360127	-12.958817
5503000000	1.570796327	2.984513021	-9.486154144	-17.7448341	-12.32267996	-15.60726101	0.1125601	0.016808	0.0585832	0.0274963	-12.687182
5503000000	1.570796327	3.036872899	-10.73086427	-19.79948489	-14.28504494	-16.59691516	0.0845111	0.0104725	0.0372816	0.0218932	-14.140928
5503000000	1.570796327	3.089232776	-14.81942945	-21.45110892	-20.37530434	-18.42311657	0.0239653	0.0071596	0.0091721	0.0143777	-17.980932
5503000000	1.570796327	3.141592654	-24.03857058	-21.4203936	-18.06654247	-21.99383259	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5503000000	1.570796327	3.141592654	-24.0								

5503000000	1.623156204	-0.41887902	1.874637067	3.129413009	1.078901729	0.990176637	1.5397978	2.0556127	1.2820063	1.2560811	1.8564823
5503000000	1.623156204	-0.366519143	1.695132813	2.900550482	1.444394538	0.859309463	1.4774517	1.9500918	1.3945672	1.2187958	1.7904212
5503000000	1.623156204	-0.314159265	1.161249938	2.632787958	1.664283901	0.911381773	1.3065469	1.8334911	1.4737655	1.2329472	1.6489453
5503000000	1.623156204	-0.261799388	1.266302731	2.378653367	1.812620879	1.207652464	1.3385367	1.7292801	1.5179662	1.3205816	1.6926025
5503000000	1.623156204	-0.20943951	2.081225085	2.160893647	1.691356063	1.684679554	1.614814	1.6447101	1.4761674	1.4738998	1.9100303
5503000000	1.623156204	-0.157079633	2.590443809	1.982159235	1.285174064	2.179749196	1.8157012	1.5783958	1.3443656	1.6518664	2.0346233
5503000000	1.623156204	-0.104719755	2.263141077	1.938170791	0.939877965	2.535723488	1.6838915	1.5247094	1.2416174	1.7929672	1.9334625
5503000000	1.623156204	-0.052359878	1.380206728	1.683413577	1.038747441	2.675847676	1.3741074	1.4734702	1.2702077	1.8517603	1.7388128
5503000000	1.623156204	-4.44E-16	0.959000814	1.5074443	1.327627621	2.2470966	1.2470966	1.4149609	1.3575717	1.8205968	1.6502193
5503000000	1.623156204	0.052359878	1.463178608	1.298964455	1.283951846	2.477044121	1.4006121	1.3486413	1.3439874	1.7689046	1.6599569
5503000000	1.623156204	0.104719755	1.950026853	1.091243083	0.755611461	2.348716163	1.5667608	1.2856546	1.1900389	1.7174006	1.5835155
5503000000	1.623156204	0.157079633	1.676204049	0.96254491	0.091490018	2.287736853	1.4710262	1.2481147	1.0212898	1.6934551	1.3305051
5503000000	1.623156204	0.20943951	0.64472818	1.03903848	-0.108134383	2.2793557	1.1600396	1.2702928	0.9754065	1.6901902	1.0516339
5503000000	1.623156204	0.261799388	-0.373899831	1.422684228	0.150668377	2.301691264	0.9175083	1.3876132	1.0353015	1.6989051	1.0031265
5503000000	1.623156204	0.314159265	-0.352167148	2.053910979	0.14489166	2.358725578	0.9221112	1.6046898	1.0339253	1.7213634	1.2074578
5503000000	1.623156204	0.366519143	0.295674461	2.723078502	-0.699773442	2.461933707	1.0704526	1.8720086	0.8511824	1.7627607	1.4273386
5503000000	1.623156204	0.41887902	0.568522392	3.23590367	-0.232880073	2.600700824	1.1398619	2.1066402	0.5849517	1.8199945	1.5009977
5503000000	1.623156204	0.471238898	0.161476299	3.506440945	-3.392078233	2.737016408	1.0378812	2.2420438	0.4579227	1.8780262	1.4735735
5503000000	1.623156204	0.523598776	-0.77450968	3.536868776	-2.581617214	2.825881686	0.83666	2.2578073	0.5518719	1.9168502	1.4326386
5503000000	1.623156204	0.575958653	-1.893466009	3.36629725	-1.499445502	2.844716946	0.6466264	2.1708495	0.7080362	1.9251816	1.3439718
5503000000	1.623156204	0.628318531	-2.629032166	3.038389093	-1.447385187	2.810935821	0.5458795	2.0129774	0.7165747	1.9102648	1.127471
5503000000	1.623156204	0.680678408	-2.439422963	2.595675772	-2.600625515	2.7680599	0.57024	1.8178989	0.5494617	1.8914985	0.8180532
5503000000	1.623156204	0.733038286	-1.693382582	2.084225163	-4.244493407	2.747119966	0.6771139	1.6159299	0.3610361	1.8600612	0.5443505
5503000000	1.623156204	0.785398163	-1.256501474	1.551265129	-5.396091252	2.705662661	0.7487724	1.4293103	0.2886628	1.8645167	0.3455448
5503000000	1.623156204	0.837558041	-1.53670423	1.03381285	-4.913658494	2.598318417	0.7019878	1.2687653	0.3225776	1.8189964	0.1202766
5503000000	1.623156204	0.890117919	-2.36597554	0.548571964	-4.187643036	2.373737722	0.5799659	1.1346377	0.3812727	1.7273239	0.1963296
5503000000	1.623156204	0.942477796	-3.108255735	0.096157443	-3.583207743	2.306983627	0.4888487	1.022388	0.4382069	1.5984474	0.5208972
5503000000	1.623156204	0.994836764	-3.28460537	-0.322000113	-2.842173669	1.636542662	0.4693961	0.9285387	0.5197358	1.4576534	0.7374453
5503000000	1.623156204	1.047197551	-3.161790703	-0.699972716	-2.045718997	1.227089376	0.4828597	0.8511434	0.62435	1.3265051	0.8554337
5503000000	1.623156204	1.099557429	-3.05273061	-1.046671613	-1.452715792	0.846413561	0.4951388	0.7858377	0.7156957	1.2151821	0.9530416
5503000000	1.623156204	1.151917306	-2.823419245	-1.394219245	-1.06203264	0.530119783	0.5219851	0.7254018	0.7830539	1.1298271	1.0233609
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5503000000	1.623156204	1.466076572	-1.646501059	-2.913206698	-1.52084562	0.760493148	0.6844629	0.5113042	0.7045559	1.1913737	1.1186262
5503000000	1.623156204	1.518436449	-1.428044074	-2.425851898	-2.627178563	0.71060852	0.7197736	0.5720247	0.5461125	1.177771	1.2267446
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5503000000	1.675516082	2.827433388	-13.50757291	-9.848343462	-13.074607623	-12.37273402	0.0445905	0.1035537	0.0492651	0.0579064	-11.949824
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5503000000	1.675516082	2.932153143	-10.43981663	-15.51266976	-13.43851578	-16.69782301	0.0903688	0.0280117	0.0453052	0.0213903	-13.344984
5503000000	1.675516082</										

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5503000000	1.72787596	-0.471238898	1.109114651	2.961213068	0.682593405	0.735899196	1.2909561	1.9775219	1.170198	1.1846496	1.4793324
5503000000	1.72787596	-0.41887902	1.559993365	2.915077563	1.148013155	0.666946991	1.4321857	1.9566257	1.3025707	1.1658987	1.656428
5503000000	1.72787596	-0.366519143	1.470035775	2.74327677	1.614767893	0.657725183	1.4028253	1.8807353	1.4001572	1.1635164	1.6489409
5503000000	1.72787596	-0.314159265	1.109033667	2.522121711	1.604087116	0.787320394	1.290932	1.7873606	1.4468007	1.2042927	1.5604809
5503000000	1.72787596	-0.261799388	1.30826949	2.316231856	1.65708538	1.161968793	1.3515339	1.7640628	1.4645646	1.3067632	1.6341964
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5503000000	1.72787596	-0.157079633	2.531700746	2.014350428	1.200355959	2.159586402	1.7913072	1.5901388	1.3183648	1.6442151	2.0030496
5503000000	1.72787596	-0.104719755	2.190835509	1.880685074	0.924293722	2.525149036	1.6560885	1.5419437	1.23717	1.7886069	1.9199627
5503000000	1.72787596	-0.052359878	1.339522775	1.718559111	1.039631302	2.675720922	1.3612951	1.4854427	1.2704662	1.8524739	1.7389091
5503000000	1.72787596	-4.44E-16	0.959000721	1.507444425	1.327627711	2.63202696	1.2470965	1.4149609	1.3575717	1.8293748	1.6502192
5503000000	1.72787596	0.052359878	1.474282763	1.260102333	1.3081023	2.447388188	1.4041978	1.3366627	1.3501469	1.7586667	1.6493537
5503000000	1.72787596	0.104719755	1.987359566	1.035052265	0.785051397	2.272423827	1.580287	1.2691274	1.1981333	1.6874946	1.5647663
5503000000	1.72787596	0.157079633	1.791349014	0.932040495	0.066805447	2.18778885	1.5105493	1.2393788	1.0155014	1.6549272	1.3196787
5503000000	1.72787596	0.20943951	0.861097957	1.070285194	-0.185793266	2.209864915	1.2192978	1.2794653	0.9581217	1.6633609	1.0723081
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5503000000	1.72787596	0.471238898	0.146867008	3.359921655	-0.168235421	2.554273266	1.0343957	2.167665	0.4821417	1.8006418	1.371043
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5503000000	1.72787596	0.733038286	-2.278083688	1.467486611	-0.3057902879	2.373103723	0.5918227	1.4020021	0.4945494	1.7295717	0.2278354
5503000000	1.72787596	0.785398161	-1.63513819	1.031686832	-3.46512209	2.535050322	0.686256	1.2681443	0.4502853	1.7908133	0.2072363
5503000000	1.72787596	0.837758041	-1.748552324	0.63938195	-3.64294366	2.68702236	0.6685667	1.1861265	0.4322205	1.8565311	0.1240807
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5503000000	1.72787596	1.047197551	-4.179644205	-1.264438643	-2.06129319	2.384176675	0.3819756	0.7474052	0.622115	1.7314807	-0.601094
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5503000000	1.780235837	0.20943951	0.989262293	1.111264158	-0.209631543	2.187276043	1.2558166	1.2915952	0.952877	1.6547318	1.1017041
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5503000000	1.780235837	0.523598776	-0.791483479	2.924098047	-2.981792338	2.276864179	0.8333965	1.9606939	0.5032929	1.6892208	0.9574889
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5503000000	1.780235837	0.733038286	-2.467799241	0.986068606	-2.649866754	1.795865787	0.5665915	1.2849395	0.543267	1.5121211	-0.135784
5503000000	1.780235837	0.785398163	-1.78519939	0.66561226	-2.784657598	1.967120184	0.6629489	1.1656314	0.5266647	1.5723995	-0.0786811
5503000000	1.780235837	0.837758041	-1.8352822	0.389253181	-3.007368386	2.168073636	0.6534008	1.0937683	0.5003376	1.6474315	-0.1134317
5503000000	1.780235837	0.890117919	-2.494551901	0.060082729	-3.367965175	2.32331909	0.5630472	1.0139307	0.4199557	1.7073868	0.3335145
5503000000	1.780235837	0.942477796	-3.321964528	-0.377856419	-4.442793751	2.388633208	0.4653755	0.9166728	0.359518	1.7332584	-0.6112708
5503000000	1.780235837	0.994837674	-3.899501648	-0.914377587	-3.801916822	2.326484224	0.407427	0.810144	0.4166854	1.7086316	-0.7793816
5503000000	1.780235837	1.047197551	-4.207495594	-1.49142618	-2.24334416	2.106241038	0.3795338	0.7093448	0.5736746	1.6241424	-0.8530502
5503000000	1.780235837	1.099557429	-4.380058408	-2.046664433	-1.434781726	1.737487517	0.364749	0.6242141	0.7186573	1.491391	-0.9697089
5503000000	1.780235837	1.151917306	-4.327728988	-2.536739883	-1.124200717	1.288142037	0.3691706	0.5576042	0.7719337	1.3452847	-1.1861632
5503000000	1.780235837	1.204277184	-3.875832981	-2.929456315	-1.307380116	0.563282356	0.4096535	0.5093946	0.7400516	1.2171055	-1.4324011
5503000000	1.780235837	1.256637061	-3.222454216	-3.226673338	-1.769108083	0.499712482	0.4761618	0.4756995	0.6654098	1.2119442	-1.6443383
5503000000	1.780235837	1.308996939	-2.860214988	-3.493833908	-2.41325908	0.247202281	0.5175812	0.4473182	0.5736858	1.0585716	-1.8756182
5503000000	1.780235837	1.361356897	-3.025757964	-3.788509686	-3.193704359	0.09671793	0.4982325	0.4179738	0.4793244	1.02252	-2.1859621
5503000000	1.780235837	1.413716694	-3.45653432	-4.034350707	-4.393224656	0.047445786	0.4511766	0.3949707	0.4033458	1.0109847	-2.4785974
5503000000	1.780235837	1.466076572	-3.576164068	-4.012395663	-4.454042353	0.070432953	0.4389182	0.3969725	0.358588	1.01635	-2.5750489
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5503000000	1.780235837	1.570796327	-2.605171527	-2.910894599	-5.26195031	-0.001666904	0.5488869	0.5115764	0.2977179	0.9996163	-2.2955349
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5503000000	1.780235837	1.72787596	-3.105552722	-2.022465609	-7.221794789	-0.03737902	0.4891553	0.6277019	0.1895922	0.7935279	-2.7984586
5503000000	1.780235837	1.780235837	-3.084215771	-2.189543627	-7.071813336	-1.371896669	0.4915621	0.6040121	0.1962541	0.729139	-2.965007
5503000000	1.780235837	1.832595715	-2.859192701	-2.326957896	-7.062622095	-1.767560384	0.5177031	0.5851999	0.1966699	0.665647	-3.0864887
5503000000	1.780235837	1.884955592	-3.056660493	-2.380569571	-7.256537492	-2.340803633	0.4946099	0.5780202	0.1880816	0.5833372	-3.3626848
5503000000	1.780235837	1.93731547	-4.017538663	-2.498495679	-7.069475209	-2.305193514	0.3965027	0.5625361	0.1963598	0.4870581	-3.8895328
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5503000000	1.780235837	2.14675498	-7.580626146	-4.490595133	-6.176893326	-7.174557	0.174557	0.3555826	0.241163	0.1669638	-6.2973519
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5503000000	1.780235837	2.251474735	-6.372066967	-5.143040107	-8.489198536	-10.14627942	0.230565	0.3059821	0.1416055	0.0966879	-7.1284773
5503000000	1.780235837	2.303834613	-5.670762923	-5.690866745	-8.755202628	-11.04565824	0.2709176	0.2697201	0.1331925	0.0786021	-7.2556142
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5503000000	1.780235837	2.775073511	-11.09235								

5503000000	1.832595715	-0.837758041	-3.828004222	2.017435268	-2.471565758	-0.427128468	0.41419	1.5912687	0.5731172	0.90663317	-0.5986873
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5503000000	1.832595715	-0.41887902	1.245080717	2.689888083	1.252915935	0.569973642	1.3320118	1.8577566	1.3344171	1.1402429	1.510961
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5503000000	1.832595715	-0.314159265	1.158598934	2.440080712	1.561899269	0.926650792	1.3057496	1.7539131	1.4328144	1.2378416	1.5611878
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5503000000	1.832595715	-0.157079633	2.459609565	2.034322157	1.111090091	2.130627976	1.7618177	1.5974682	1.2915434	1.6332881	1.9618429
5503000000	1.832595715	-0.104719755	2.092213402	1.917152573	0.909008638	2.504558002	1.6189049	1.5549458	1.2328234	1.7801467	1.8940755
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5503000000	1.832595715	0.20943951	1.12802292	1.162164803	-0.220646807	2.169672196	1.2965889	1.3068221	0.9504633	1.648038	1.1410303
5503000000	1.832595715	0.261799388	0.083801007	1.651967626	0.229095913	2.340728205	1.0194833	1.4628398	1.0543649	1.7142447	1.1817646
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5503000000	1.832595715	0.628318531	-3.437196258	1.388776163	-2.018658465	2.62302702	0.4531901	1.3768214	0.6282524	1.3940602	-0.1633717
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5503000000	1.832595715	0.733038286	-2.612098707	0.550951303	-2.523867144	1.271158796	0.5480121	1.1352594	0.5592594	1.3400342	-0.4786591
5503000000	1.832595715	0.785398163	-1.952846619	0.344645412	-2.365704321	1.427155439	0.6378453	1.0825913	0.5800021	1.3890425	-0.3509469
5503000000	1.832595715	0.837758041	-1.978784201	0.138548007	-2.46532911	1.622738646	0.6304072	1.0324162	0.5668486	1.4530276	-0.354655
5503000000	1.832595715	0.890117919	-2.568064039	-0.178644445	-0.3264837408	1.773341469	0.5535968	0.9597001	0.4715375	1.5042989	-0.5934241
5503000000	1.832595715	0.942477796	-3.303979285	-0.646669401	-4.155105539	1.829675469	0.4673068	0.8616543	0.3841399	1.5239389	-0.9191194
5503000000	1.832595715	0.994837674	-3.817489766	-1.232166188	-3.521490703	1.752140117	0.415194	0.7529799	0.4215512	1.4969732	-1.1256583
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5503000000	1.832595715	1.151917306	-4.189693647	-2.791231628	-1.208681477	0.67368662	0.3810927	0.5258681	0.7570627	1.1678005	-1.4999373
5503000000	1.832595715	1.204277184	-3.791510999	-2.961990559	-1.563183896	0.239976943	0.417685	0.5055929	0.6976991	1.0568119	-1.7428366
5503000000	1.832595715	1.256637061	-3.234232809	-2.95326244	-2.350556022	-0.122216971	0.4748722	0.50661	0.5820287	0.9722508	-1.9795156
5503000000	1.832595715	1.308996939	-2.968952381	-2.899770062	-3.524369084	-0.409920602	0.504783	0.5128885	0.4441842	0.9099929	-2.2698455
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5503000000	1.832595715	1.466076572	-3.804939102	-2.976546447	-7.135273934	-0.796508125	0.4163956	0.5039012	0.1934072	0.8324328	-3.1288665
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5503000000	1.832595715	1.780235837	-3.43610305	-1.747515492	-5.966611223	-2.617474801	0.4533041	0.6687264	0.2632291	0.5473341	-3.1591943
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5503000000	1.832595715	1.989675347	-6.095121702	-3.037916771	-6.45935785	-6.578943834	0.2457468	0.4968306	0.225977	0.2198394	-5.2709962
5503000000	1.832595715	2.042035225	-7.435256929	-3.563787989	-6.043333751	-8.275480674	0.1804988	0.4401708	0.2486948	0.1487483	-5.9426418
5503000000	1.832595715	2.094395125	-7.994218155	-4.13781649	-6.172520209	-9.889575925	0.1587005	0.3856722	0.241406	0.1025752	-6.5347401
5503000000	1.832595715	2.14675498	-8.111725935	-4.581857123	-7.177410852	-11.34429976	0.154464	0.3481884	0.1915397	0.0733787	-7.169415
5503000000	1.832595715	2.199114858	-7.469188727	-4.909543275	-1.923120366	-12.59754112	0.179094	0.3228834	0.1224444	0.0549852	-7.6994276
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5503000000	1.832595715	2.35619449	-7.127952319	-6.325841083	-9.751424031	-13.22929322	0.1937335	0.2330322	0.1058906	0.0475413	-8.3848406
5503000000	1.832595715	2.408545368	-11.13153414	-6.895441594	-7.3736083452	-12.2445237	0.0770631	0.2043882	0.1684192	0.0596414	-8.9490564
5503000000	1.832595715	2.460914245	-14.12852972	-7.943619347	-7.486275375	-11.04799074	0.0386498	0.1605603	0.1783908	0.0785599	-9.4294208
5503000000	1.832595715	2.513274123	-9.632293527	-10.02067708	-9.287168028	-10.13073751	0.1088355	0.099525	0.1178374	0.0970345	-9.7548011
5503000000	1.832595715	2.565634	-7.398309342	-13.47682734	-12.67563762	-9.816350492	0.1820409	0.0449073	0.0540053	0.1043194	-10.162915
5503000000	1.832595715	2.617993878	-7.337760828	-15.30500021	-13.28105245	-9.939769795	0.1845967	0.0294781	0.046978	0.1013965	-10.428126
5503000000	1.832595715	2									

5503000000	1.884955592	-0.942477796	-4.94926687	2.501130189	-3.632754763	-2.276805459	0.3199435	1.7787422	0.433236	0.5919969	-1.0736027
5503000000	1.884955592	-0.890117919	-4.502920687	2.512903335	-2.916449389	-1.37161333	0.3545749	1.7835707	0.5109225	0.7291866	-0.733676
5503000000	1.884955592	-0.837758041	-4.542255326	2.290050982	-1.598346755	-0.841393497	0.3513779	1.6943577	0.6370353	0.8290117	-0.5653236
5503000000	1.884955592	-0.785398163	-4.524612679	1.873241088	-1.11584834	-0.640365572	0.3528083	1.539303	0.7741792	0.8629059	-0.5438417
5503000000	1.884955592	-0.733038286	-3.053097982	1.426480124	-0.267997689	-0.343645216	0.4950969	1.3888266	0.9401567	0.8426272	-0.3778374
5503000000	1.884955592	-0.680678408	-0.995754389	1.207487545	0.51979781	-0.933526807	0.7951051	1.3205315	1.1266272	0.8065798	0.0527589
5503000000	1.884955592	-0.628318531	0.347658105	1.367445342	0.90383562	-0.952513577	1.0833426	1.3700756	1.2313558	0.7952042	0.492159
5503000000	1.884955592	-0.575958653	0.790896194	1.786746415	0.786588784	-0.793954181	1.1997469	1.5089493	1.1985575	0.8329225	0.7373449
5503000000	1.884955592	-0.523598776	0.763166253	2.222424386	0.606085174	-0.363357015	1.1921108	1.6681782	1.1497635	0.9197384	0.907685
5503000000	1.884955592	-0.471238898	0.848457379	2.511285672	0.85766183	0.13460769	1.2157541	1.7829065	1.2183335	1.0314799	1.1797306
5503000000	1.884955592	-0.41887902	1.110846272	2.607748578	1.270749115	0.544823984	1.2914709	1.8229504	1.3554372	1.1336589	1.4600704
5503000000	1.884955592	-0.366519143	1.217625619	2.545729845	1.560888903	0.818302061	1.3236177	1.7971031	1.4324811	1.2073417	1.5840347
5503000000	1.884955592	-0.314159265	1.222540224	2.399813329	1.546027067	1.024209609	1.3251164	1.7377261	1.4276022	1.2659628	1.5809154
5503000000	1.884955592	-0.261799388	1.546918299	2.246882324	1.45237483	1.284635217	1.4278804	1.6775993	1.3971235	1.3441989	1.6485839
5503000000	1.884955592	-0.20943951	2.139441391	2.128507938	1.308791947	1.666332771	1.636606	1.632491	1.3517237	1.4676864	1.8245082
5503000000	1.884955592	-0.157079633	2.416478518	2.036628781	1.06804929	2.114324846	1.7444071	1.5983169	1.2788068	1.6271683	1.9372962
5503000000	1.884955592	-0.104719755	2.033109753	1.930003699	0.902469292	2.491371174	1.5970223	1.5595538	1.2309685	1.7747497	1.8768244
5503000000	1.884955592	-0.052359878	1.25885493	1.761393042	1.10499198	2.673929421	1.3362342	1.500166	1.2720354	1.8509426	1.731416
5503000000	1.884955592	-4.44E-16	0.959000635	1.570444428	1.027627403	2.623027097	1.2470965	1.4149609	1.3575716	1.8293749	1.6502192
5503000000	1.884955592	0.052359878	1.478149224	1.204407121	1.334023519	2.405498635	1.4054485	1.3195952	1.3595724	1.7400025	1.6320749
5503000000	1.884955592	0.104719755	2.035954255	0.966472436	1.168678903	2.54368793	1.5980686	1.2492439	1.2160149	1.6476611	1.546513
5503000000	1.884955592	0.157079633	1.995847531	0.943348371	0.095206166	2.065463601	1.5833785	1.24261	1.0221641	1.6089641	1.3490325
5503000000	1.884955592	0.20943951	1.274948986	1.216873205	-0.1217266689	2.351428283	1.3412042	1.3233884	0.9512033	1.64215	1.1875612
5503000000	1.884955592	0.261799388	0.24773152	1.722020875	0.25589676	2.360564339	1.0587006	1.4866272	1.0606929	1.7270293	1.2451344
5503000000	1.884955592	0.314159265	-0.318286689	2.274862092	0.551149867	2.26768427	0.9293329	1.6884422	1.1957506	1.7993473	1.4712523
5503000000	1.884955592	0.366519143	-0.070513473	2.675280179	0.586640704	2.628780245	0.9838948	1.8515183	1.1446272	1.8317999	1.6225367
5503000000	1.884955592	0.41887902	0.369144285	2.791454493	-1.30825757	2.561315328	1.0887156	1.9017151	0.8928396	1.8035639	1.5281057
5503000000	1.884955592	0.471238898	0.339330109	2.587594306	-1.91222098	2.354260485	1.0812672	1.8145103	0.6483899	1.7195945	1.1886067
5503000000	1.884955592	0.523598776	-0.414579121	2.116105173	-2.503565237	2.027801171	0.9089544	1.6278355	0.5618799	1.5950714	1.6949514
5503000000	1.884955592	0.575958653	-1.798309216	1.500502976	-2.281243687	1.631157977	0.6609507	1.4127011	0.5913923	1.4558472	1.0293117
5503000000	1.884955592	0.628318531	-3.156872256	0.909520639	-2.290111546	1.26768427	0.4834068	1.2329687	0.5901859	1.8286749	1.4033366
5503000000	1.884955592	0.680678408	-3.402153199	0.491153723	-2.648714917	1.06246513	0.4568616	1.1197353	0.5434111	1.2771635	0.7094251
5503000000	1.884955592	0.733038286	-2.688445679	0.270331163	-2.654292694	1.078832617	0.5384625	1.0642247	0.5427136	1.2818959	-0.6709689
5503000000	1.884955592	0.785398163	-2.118127349	0.12692627	-2.199053684	1.254737299	0.6140267	1.0295671	0.6026909	1.3349768	-0.4801304
5503000000	1.884955592	0.837758041	-2.168568359	-0.096344822	-2.088723415	1.468899555	0.6069364	0.97806	0.6181981	1.4024583	-0.4507609
5503000000	1.884955592	0.890117919	-2.716038839	-0.489556248	-2.172740689	1.56228985	0.5350522	0.8933986	0.5281525	1.4537606	-0.6925951
5503000000	1.884955592	0.942477796	-3.343927976	-1.053046589	-3.695370469	1.670123453	0.4630279	0.784685	0.4270345	1.468968	-0.0461676
5503000000	1.884955592	0.994836764	-3.722213025	-1.76077163	-3.485507126	1.571744508	0.4244032	0.6735848	0.4481767	1.4378529	-1.272586
5503000000	1.884955592	1.047197551	-3.873683996	-2.585534066	-2.259875314	1.341885987	0.4098563	0.5809605	0.5943092	1.362036	-1.3265598
5503000000	1.884955592	1.099557429	-2.837671366	-2.837671366	-0.997844193	0.997844193	0.405862	0.5202749	0.746625	1.2583006	-1.3503492
5503000000	1.884955592	1.151917306	-3.785639905	-0.034946214	-0.994996326	0.609476644	0.4182501	0.4971705	0.8035268	1.1506617	-1.4423725
5503000000	1.884955592	1.204277184	-3.368442314	-2.927847729	-0.2154148089	0.231541936	0.4604217	0.5095833	0.7555413	1.0547613	-1.5796714
5503000000	1.884955592	1.256637061	-2.853185244	-2.631260617	-1.927575749	-0.122757389	0.5184197	0.5455995	0.6415676	0.9721298	-1.7429539
5503000000	1.884955592	1.308996939	-2.640000302	-3.23988505	-3.101019828	-0.463993566	0.5445026	0.5856001	0.4896638	0.8986708	-2.0092884
5503000000	1.884955592	1.361356817	-2.889373304	-2.125138663	-4.897602116	-0.787334248	0.5141178	0.6130362	0.3237724	0.8341931	-2.4315108
5503000000	1.884955592	1.4137116694	-3.322607828	-2.040194817	-3.388321271	-1.068332171	0.4653066	0.6251446	0.1900277	0.78193	-2.767574
5503000000	1.884955592	1.466076572	-3.440482026	-1.977912689	-8.76927893	-1.34078863	0.4528473	0.6341744	0.1327615	0.7404933	-0.3974265
5503000000	1.884955592	1.518436449	-3.119119405	-1.813496616	-8.276016174	-1.548050734	0.4876274	0.5864634	0.148915	0.7001562	-0.3204267
5503000000	1.884955592	1.570796327	-2.762123111	-1.500386784	-1.771304289	-1.862539353	0.5294046	0.7078827	0.1918093	0.6512475	-2.8392482
5503000000	1.884955592	1.623156204	-2.781362453	-1.137443588	-6.547493544	-2.250094688	0.5270645	0.7695833	0.2214147	0.5956492	-2.7701425
5503000000	1.884955592	1.675516082	-3.203617514	-0.889538081	-6.2145495	-2.635908979	0.4782316	0.8147909	0.239081	0.5450158	-2.8459855
5503000000	1.884955592	1.72787596	-3.589100902	-0.869384296	-5.770185649	-2.68683465	0.4376127	0.8185808	0.2648387	0.505978	-2.9520405
5503000000	1.884955592	1.780235837	-3.533798681	-1.098616522	-5.338742116	-3.27881483	0.4432208	0.7764944	0.2924999	0.4700224	-3.409494
5503000000	1.884955592	1.832595715	-3.365566482	-1.523007462	-5.34389507	-3.770497571	0.4607267	0.7042052	0.2921531	0.4439709	-3.2864292
5503000000	1.884955592	1.884955592	-3.705987173	-2.047521634	-5.890590048	-4.619172206	0.4259198	0.6240909	0.2575971	0.3452095	-3.788121
5503000000	1.884955592	1.93731547	-4.857107819	-2.601572178	-6.529790302	-5.924834068	0.3268054	0.549342	0.2223147	0.255574	-4.0042116
5503000000	1.884955592	1.989675347	-6.584354427	-3.193907474	-6.602979043	-7.627183133	0.2195657	0.479302	0.2186261	0.1726958	-5.6455794
5503000000	1.884955592	2.042035225	-7.968350639	-3.86008403	-6.221638846	-3.47116636	0.1596485	0.4111418	0.238691	0.1128973	-6.3715078
5503000000	1.884955592	2.094395102	-8.322001305	-4.53904448	-6.124948994	-1.14534652	0.1471634	0.3516378	0.2440648	0.0768184	-6.8841332
5503000000	1.884955592	2.14675498	-7.87326091	-5.074018683	-6.848295666	-12.47914134	0.1631826	0.3108838	0.2066191	0.0560549	-7.3448032
5503000000	1.884955592	2.199114858	-6.840849905	-5.418711154	-6.698160689	-13.43313728	0.2069736	0.2871633	0.1349534	0.0453614	-7.7310913
5503000000	1.884955592	2.251474735	-5.876824342	-5.723183958	-11.97418233	-13.94766062	0.2584149	0.2677205	0.0634719	0.0402934	-8.0278788
5503000000	1.884955592	2.303834613	-5.932278567	-6.100351133	-15.15549924	-13.86636899	0.2551367	0.245451	0.0305106	0.0410547	-8.4548451
5503000000	1.884955592	2.35619449	-7.899552679	-6.506850871	-12.30954924	-13.07550143	0.1621977	0.2235192	0.0587546	0.0492549	-9.0857357
5503000000	1.884955592	2.408554368	-13.15245555	-6.991481645	-6.045699492	-11.85300411	0.0483899	0.199918	0.1245489	0.0652679	-9.6046228
5503000000	1.884955592	2.460914245	-15.37798728	-7.903122947	-8.004789748	-10.69195944	0.0289869	0.1620644	0.1583146	0.0852715	-9.6932853
5503000000	1.884955592	2.513274123	-9.438935099	-9.763261518	-9.192001315	-9.97299217	0.1137906	0.1056024	0.1204481	0.1006238	-9.5814865
5503000000	1.884955592	2.565634									

5503000000	1.93731547	-1.047197551	-1.85636215	1.849290216	-3.230337911	-4.624467217	0.6521745	1.5308373	0.4752982	0.3447889	-1.2449036
5503000000	1.93731547	-0.994837674	-3.43421389	2.20566321	-3.732785688	-4.078464991	0.4535014	1.6617524	0.4233713	0.3909791	-1.3525106
5503000000	1.93731547	-0.942477796	-4.279042227	2.555653697	-3.465605881	-3.060584492	0.3733253	1.8012142	0.4502352	0.4942442	-1.0804099
5503000000	1.93731547	-0.890117919	-4.361869276	2.752488574	-2.43162701	-2.048100462	0.3662799	1.8847288	0.5712646	0.6240077	-0.6470931
5503000000	1.93731547	-0.837758041	-4.624650924	2.69888383	-1.380140526	-1.343947334	0.3447743	1.8616086	0.7277563	0.7338466	-0.5352335
5503000000	1.93731547	-0.785398163	-4.531652133	2.390027316	-0.586142111	-0.101705618	0.3522368	1.7338149	0.8737472	0.7923051	-0.278512
5503000000	1.93731547	-0.733038286	-2.870416504	1.948760642	-0.100943107	-0.957854532	0.5163668	1.566304	0.1235152	0.7982548	-0.1050114
5503000000	1.93731547	-0.680678408	-0.748702031	1.617460984	-0.12045991	-1.105171005	0.8416466	1.4512629	1.1781609	0.7753234	0.2596028
5503000000	1.93731547	-0.628318531	0.595033511	1.601215522	0.990043645	-1.199652619	1.1468414	1.4458444	1.25604	0.7508633	0.6139253
5503000000	1.93731547	-0.575958653	1.004841434	1.866965938	0.847346001	-1.067907512	1.2603296	1.5370804	1.215443	0.7820045	0.7871572
5503000000	1.93731547	-0.523598776	0.87464935	2.207646639	0.692323094	-0.638568788	1.2231084	1.6625115	1.1728226	0.863263	0.9005563
5503000000	1.93731547	-0.471238898	0.809673369	2.451241288	0.958090989	-0.043293232	1.2049453	1.7584261	1.2468353	0.9900809	1.1396738
5503000000	1.93731547	-0.41887902	1.009067646	2.535280696	1.398914452	0.503701916	1.2615567	1.7927844	1.3800393	1.1229753	1.428082
5503000000	1.93731547	-0.366519143	1.189912387	2.479232145	1.595949125	0.881255282	1.3151983	1.769796	1.4440922	1.2249702	1.5791415
5503000000	1.93731547	-0.314159265	1.310780021	2.346459956	1.527540208	1.119069213	1.3523154	1.7165086	1.4215116	1.2939185	1.6018738
5503000000	1.93731547	-0.261799388	1.653371994	2.208325512	1.388828512	1.346468597	1.4633129	1.6627714	1.3768372	1.363474	1.6631135
5503000000	1.93731547	-0.20943951	2.164152049	2.106294537	1.27687861	1.676465762	1.6459446	1.6241624	1.3297463	1.4711148	1.8119796
5503000000	1.93731547	-0.157079633	2.367259653	2.031886594	1.027741306	2.09717968	1.7274793	1.5965726	1.2669928	1.6207572	1.9096669
5503000000	1.93731547	-0.104719755	1.967577697	1.938869595	0.897151423	2.476719374	1.5731052	1.5627408	1.2294621	1.7687723	1.8568948
5503000000	1.93731547	-0.052359878	1.227440791	1.772872194	1.047808534	2.671415393	1.3266125	1.5043164	1.2728606	1.8498714	1.7271097
5503000000	1.93731547	-4.446-16	0.959000712	1.507444283	1.327627423	2.623027126	1.2470965	1.4149609	1.3575716	1.8293749	1.6502192
5503000000	1.93731547	0.052359878	1.475979033	1.186693316	1.343936391	2.392640267	1.4047463	1.3142238	1.3626792	1.7348584	1.6260232
5503000000	1.93731547	0.104719755	2.048080157	0.946425414	1.638684945	2.138023359	1.6025368	1.2434907	1.2367616	1.6360717	1.5425434
5503000000	1.93731547	0.157079633	2.065804055	0.953642636	0.127141381	2.031122569	1.6090903	1.2455589	1.0297081	1.5962917	1.36772
5503000000	1.93731547	0.20943951	1.427258413	1.269321155	-0.198234155	2.3787850584	1.3890755	1.3934673	0.9553745	1.6360066	1.2384453
5503000000	1.93731547	0.261799388	0.432996528	1.78042084	2.078554262	2.370227055	1.1048407	1.5067531	1.0662411	1.7529281	1.306363
5503000000	1.93731547	0.314159265	-0.235899296	2.28048776	0.842434014	2.575793782	0.947131	1.6906308	1.2140691	1.8095866	1.580652
5503000000	1.93731547	0.366519143	-0.115508329	2.584581496	0.745040873	2.652409327	0.9738547	1.8132519	1.1871459	1.8417935	1.6256784
5503000000	1.93731547	0.41887902	0.33208238	2.588453452	-0.167290013	2.577967141	1.0794642	1.8148693	0.9622125	1.8014924	1.5129616
5503000000	1.93731547	0.471238898	0.413139207	2.281119954	-1.389775842	2.370754459	1.0998005	1.6908769	0.7261434	1.7261377	1.7156144
5503000000	1.93731547	0.523598776	-0.193082588	1.739651304	-0.2018930843	2.053993905	0.965149	1.4926746	0.628213	1.6047205	0.6838282
5503000000	1.93731547	0.575958653	-1.434451118	1.116664424	-2.109628368	1.671524884	0.718712	1.2932022	0.6152295	1.4684421	0.1036207
5503000000	1.93731547	0.628318531	-2.740656504	0.59813472	-2.452557238	1.323365053	0.5320278	1.1476606	0.568518	1.3562399	-0.4522143
5503000000	1.93731547	0.680678408	-3.132872955	0.297168261	-0.301590298	1.142362562	0.4860855	1.0728009	0.4993554	1.0807771	-0.7609068
5503000000	1.93731547	0.733038286	-2.631207419	0.155405049	-2.942445041	1.195091067	0.5456062	1.0364421	0.5078734	1.3167675	-0.6972748
5503000000	1.93731547	0.785398163	-2.202211984	-0.002962449	-2.38739098	1.42113878	0.6022528	0.9933181	0.5985854	1.3871195	-0.4729523
5503000000	1.93731547	0.837758041	-2.320874511	-0.326419237	-1.884720734	1.629340395	0.5860201	0.9275994	0.6479298	1.476502	-0.4119178
5503000000	1.93731547	0.890117919	-2.850788928	-0.859957454	-2.389874434	1.899446491	1.1870508	0.8203596	0.5767896	1.5486192	-0.6242265
5503000000	1.93731547	0.942477796	-3.351529472	-1.551937882	-3.270765398	1.982766282	0.4622186	0.6995298	0.4708943	1.5786165	-0.9538468
5503000000	1.93731547	0.994837674	-3.528753299	-2.285555003	-2.373993234	1.927348259	0.443736	0.5908055	0.4705445	1.5868006	-1.1581567
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5503000000	1.93731547	1.099557429	-3.364826244	-3.264132201	-3.11201021	1.515030258	0.4608052	0.4716141	0.7394314	1.4174346	-1.1220197
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5503000000	1.989675347	-0.157079633	2.310885378	2.018676419	0.991321491	2.079263784	1.7025056	1.5917236	1.2564122	1.6140849	1.878538
5503000000	1.989675347	-0.104719755	1.895760777	1.943494231	0.933622202	2.460936855	1.5473055	1.5644058	1.2283899	1.7623562	1.8344476
5503000000	1.989675347	-0.052359878	1.194155642	1.782913801	1.051109725	2.668390575	1.3164839	1.5076182	1.2738285	1.8485834	1.7220246
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5503000000	1.989675347	0.41887902	0.304548899	2.370622391	0.256020626	2.565020626	1.0726422	1.7260852	1.0180187	1.8745458	1.4785133
5503000000	1.989675347	0.471238898	0.476751202	1.990212508	-0.009184271	2.384205651	1.1160281	1.5813254	0.8111134	1.7314923	1.1726791
5503000000	1.989675347	0.523598776	0.017653642	1.429441725	-1.449442514	2.114801747	1.0040732	1.389774	0.7162353	1.627347	0.7348277
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5503000000	1.989675347	0.628318531	-2.240589243	0.447024493	-2.354715853	1.456125481	0.5969543	1.1084151	0.5814715	1.3983393	-0.3560127
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5503000000	1.989675347	1.518436449	-1.568564494	-1.148263455	-4.219304443	-1.512222996	0.6968568	0.7676684	0.3006533	0.6425068	-2.2046028
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5503000000	1.989675347	2.14675498	-5.937888351	-5.927826502	-5.739490299	-13.74902909	0.2548069	0.2553979	0.3483892	0.0421791	-6.474446
5503000000	1.989675347	2.199114858	-5.108661325	-6.75844914	-5.264144947	-14.91812114	0.3084138	0.2109383	0.2975675	0.0322246	-6.7307849
5503000000	1.989675347	2.251474735	-5.208524035	-7.155578924	-6.484282473	-14.66728581	0.301403	0.192505	0.2068958	0.0341406	-7.3580544
5503000000	1.989675347	2.303834613	-6.81976673	-7.192007502	-9.22250189	-13.08907246	0.2079808	0.1908971	0.1196046	0.0491013	-8.4803
5503000000	1.989675347	2.35614949									

5503000000	2.042035225	-1.256637061	-0.597650661	0.969164842	-3.457328379	-1.499298314	0.8714349	1.2500186	0.4510941	0.7080602	-0.8610568
5503000000	2.042035225	-1.204277184	-0.103407797	1.203262921	-3.694911757	-1.740275448	0.9764707	1.3192475	0.4270796	0.6698421	-0.7152222
5503000000	2.042035225	-1.151917306	0.210489949	1.253087304	-2.145324528	-1.457254588	1.0496608	1.3344697	0.4515233	0.6101935	-0.6476396
5503000000	2.042035225	-1.099557429	-0.060471662	1.203691035	-3.200669622	-2.646756421	0.9861724	1.3193776	0.4785534	0.5436562	-0.7990805
5503000000	2.042035225	-1.047197551	-1.012859937	1.258546066	-3.204627424	-3.112892463	0.7919796	1.3361481	0.4781204	0.4883627	-1.1158986
5503000000	2.042035225	-0.994837674	-2.13015391	1.576926308	-3.03910736	-3.357725006	0.6123287	1.4377806	0.4966944	0.4615593	-1.2372975
5503000000	2.042035225	-0.942477796	-2.533392301	2.091572222	-2.221167282	-2.356099322	0.5580341	1.6186659	0.5996299	0.4724872	-0.9033472
5503000000	2.042035225	-0.890117919	-2.435277528	2.574157856	-1.105212969	-2.851879198	0.5707846	1.8089051	0.7753159	0.5158865	-0.3696905
5503000000	2.042035225	-0.837758041	-2.606078711	2.836535002	-0.22442473	-2.926929156	0.5487722	1.9189493	0.9496368	0.5892602	0.00718
5503000000	2.042035225	-0.785398163	-2.673414291	2.794193633	0.29234055	-1.748902945	0.5403294	1.9029149	1.0696312	0.6685128	0.192605
5503000000	2.042035225	-0.733038286	-1.609716622	2.536993484	0.611589054	-1.337623744	0.6902848	1.7934916	1.1512215	0.7341959	0.3841288
5503000000	2.042035225	-0.680678408	0.042070744	2.241804862	0.887851447	-1.143889304	1.0097342	1.6756391	1.2268321	0.768442	0.6824594
5503000000	2.042035225	-0.628318531	1.163350946	2.090349244	1.031572111	-1.149619397	1.3071791	1.6182102	1.2681108	0.7674287	0.9350301
5503000000	2.042035225	-0.575958653	1.444471028	2.118588893	0.975789449	-1.181992322	1.3945918	1.6287667	1.2519268	0.7617295	0.1011324
5503000000	2.042035225	-0.523598776	1.149446272	2.225299933	0.974877952	-0.965004814	1.3030006	1.6692831	1.2516641	0.8007547	0.9905037
5503000000	2.042035225	-0.471238898	0.861857074	2.304137553	1.250323308	-0.39186901	1.219511	1.6998624	1.3336207	0.9137199	1.1115443
5503000000	2.042035225	-0.41887902	0.962312798	2.309817313	1.569722909	0.321715666	1.248048	1.7020869	1.4353978	1.0768906	1.3532536
5503000000	2.042035225	-0.366519143	1.261293802	2.24635904	1.635219784	0.898235389	1.3369938	1.6773972	1.4572094	1.229769	1.5391919
5503000000	2.042035225	-0.314159265	1.546409025	2.147800847	1.46486384	1.241697761	1.427713	1.6397592	1.4011557	1.3097046	1.6138284
5503000000	2.042035225	-0.261799388	1.87212301	2.06114976	1.26292496	1.448431945	1.5389067	1.6073667	1.337496	1.3958643	1.6729028
5503000000	2.042035225	-0.20943951	2.199727867	2.015727797	1.110781007	1.694165991	1.659481	1.5906432	1.2914515	1.4771228	1.774426
5503000000	2.042035225	-0.157079633	2.246340384	1.995746706	0.959821636	2.060533586	1.67739	1.5833418	1.2473323	1.6071387	1.8435087
5503000000	2.042035225	-0.104719755	1.817884393	1.9436794	0.891343476	2.444345938	1.519807	1.5644725	1.227819	1.7556365	1.8096661
5503000000	2.042035225	-0.052359878	1.159282856	1.791511043	1.054867546	2.664949873	1.3059552	1.5106056	1.2749312	1.8471195	1.7162493
5503000000	2.042035225	-4.44E-16	0.959000795	1.507444323	1.37267474	2.62302722	1.2470966	1.4149609	1.3575716	1.8293749	1.6502192
5503000000	2.042035225	0.052359878	1.466459221	1.152731082	1.363021613	2.369106654	1.4016705	1.3039865	1.3686808	1.7254829	1.6135458
5503000000	2.042035225	0.104719755	2.06282506	0.907685642	0.974877952	-0.965004814	1.6079866	1.2324479	1.2414062	1.6157482	1.5363114
5503000000	2.042035225	0.157079633	2.197556401	0.968985548	0.226791497	1.970416562	1.6856354	1.249967	1.0536082	1.5741338	1.4116452
5503000000	2.042035225	0.20943951	1.735334918	1.346258503	-0.109878599	2.095246238	1.4911917	1.363408	0.9750169	1.6200358	1.3430882
5503000000	2.042035225	0.261799388	0.856079515	1.837338395	0.313560111	2.339440045	1.2178897	1.5266302	1.0748702	1.7137363	1.409106
5503000000	2.042035225	0.314159265	0.06531826	2.210032255	0.857373255	2.530425397	1.051538	1.663425	1.2181896	1.7907813	1.5286521
5503000000	2.042035225	0.366519143	-0.076657952	2.324322754	0.847356764	2.579564816	0.9825037	1.7077814	1.215446	1.8111586	1.5509892
5503000000	2.042035225	0.41887902	0.295344754	2.145222133	0.223416412	2.350666642	1.0703731	1.6387855	1.0527897	1.7797813	1.4158521
5503000000	2.042035225	0.471238898	0.528466343	1.725437829	-2.352492762	2.352492762	1.129397	1.6877974	0.8874108	1.7188947	1.159016
5503000000	2.042035225	0.523598776	0.202014044	1.187670036	-0.8839933	2.135292739	1.0476143	1.3145194	0.815842	1.6350434	0.8035759
5503000000	2.042035225	0.575958653	-0.694050332	0.695067358	-1.177393822	1.837184199	0.8523049	1.1735639	0.7625365	1.2562676	0.3291897
5503000000	2.042035225	0.628318531	-1.717356922	0.375829114	-1.951564361	1.496005349	0.6733863	1.0903926	0.6380336	1.4112389	-0.2078732
5503000000	2.042035225	0.680678408	-2.154387648	0.215393741	-3.024994925	1.226862388	0.6089214	1.0508467	0.498311	1.3264358	-0.5991766
5503000000	2.042035225	0.733038286	-1.958345128	0.04925726	-3.290936951	1.13498917	0.6037382	1.0114065	0.4687087	1.3013644	-0.6822214
5503000000	2.042035225	0.785398163	-1.804324422	-0.304191065	-2.507262006	1.25673163	0.6600359	0.9323541	0.5614018	1.33559	-0.593115
5503000000	2.042035225	0.837758041	-2.078043644	-0.921086977	-1.868164051	1.464621335	0.6197202	0.8088934	0.6504046	1.4010774	-0.6046868
5503000000	2.042035225	0.890117919	-2.599455541	-1.734436172	-1.959879259	1.642847308	0.5496098	0.6707434	0.6368132	1.4597698	-0.8132288
5503000000	2.042035225	0.942477796	-2.871345945	-2.558241728	-2.432192319	1.714944331	0.5162563	0.5548503	0.5711902	1.4842069	-1.0700104
5503000000	2.042035225	0.994837674	-2.671904423	-3.176389703	-2.464507051	1.670989861	0.5405172	0.4812392	0.5669559	1.4692611	-1.1662627
5503000000	2.042035225	1.047197551	-2.284018833	-3.468469058	-1.908742302	1.542560341	0.5910145	0.4499384	0.6443558	1.4264483	-1.0905341
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5503000000	2.042035225	1.361356817	-0.742989836	-1.455650968	-2.303245249	-1.486018066	0.8427544	0.7152122	0.5884038	1.7102287	-1.4621077
5503000000	2.042035225	1.413716694	-0.884458147	-1.141899126	-2.879610061	-2.435215881	0.8157446	0.7687942	0.5152749	0.7507927	-1.7545011
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5503000000	2.042035225	1.72787596	-2.382880325	-0.716137772	-4.167559585	-3.820489309	0.5777128	0.8479812	0.3830367	0.4149073	-2.5499591
5503000000	2.042035225	1.780235837	-2.577724763	-0.764749787	-4.361733638	-3.904928659	0.5523667	0.8385424	0.3701064	0.4069182	-2.6601398
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5503000000	2.094395102	-1.361356817	-1.430585784	0.537247235	-2.510777836	-0.435529257	0.7193519	1.1316828	0.5609475	0.9045802	-0.8137181
5503000000	2.094395102	-1.308996939	-0.979442494	0.930244357	-2.756647787	-0.401906672	0.7980971	1.2388663	0.5300724	0.9116105	-0.6064971
5503000000	2.094395102	-1.256637061	-0.532358458	1.246295978	-3.272637262	-0.524657569	0.8846351	1.3323846	0.4706914	0.8862051	-0.4891563
5503000000	2.094395102	-1.204277184	0.090922343	1.408548696	-3.445996019	-0.797631139	1.0211563	1.3831041	0.4522727	0.8322176	-0.3518068
5503000000	2.094395102	-1.151917306	0.511256342	1.347700342	-3.137362665	-1.207003164	1.1249304	1.3638608	0.4855833	0.7573553	-0.3014981
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5503000000	2.094395102	-0.837758041	-1.09619106	2.307349602	-0.80803628	-2.795292717	0.7769282	1.70112	1.0425103	0.5253766	-0.0495893
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5503000000	2.094395102	-0.733038286	-0.818669286	2.326516101	0.726035858	-1.632517438	0.8281959	1.7086441	1.1819622	0.6867073	-0.419325
5503000000	2.094395102	-0.680678408	0.472277384	2.160275656	0.888531613	-1.238431176	1.114879	1.6444761	1.2270243	0.7518945	0.7356017
5503000000	2.094395102	-0.628318531	1.446549597	2.070539438	1.035220314	-1.117490474	1.3952594	1.6108457	1.2691765	0.7731272	1.0109453
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5503000000	2.094395102	-0.41887902	1.039708417	2.098209204	1.646593187	-1.08755363	1.2704888	1.6211415	1.4610306	1.0424987	1.2994431
5503000000	2.094395102	-0.366519143	1.363132213	2.04195772	1.627782313	0.842553986	1.3687156	1.6002792	1.4547161	1.2140188	1.4904426
5503000000	2.094395102	-0.314159265	1.683401886	1.978350308	1.254383418	-1.37434662	1.4734662	1.5770121	1.385176	1.3348681	1.5915514
5503000000	2.094395102	-0.261799388	1.973409726	1.938423029	2.00636162	1.476473492	1.5752191	1.5625801	1.3184499	1.4049063	1.6592324
5503000000	2.094395102	-0.20943951	2.204075902	1.940598406	1.057816865	1.697017225	1.6611452	1.563633	1.2757973	1.4780929	1.7452486
5503000000	2.094395102	-0.157079633	2.172737603	1.962126618	0.934107182	2.040895277	1.6492016	1.571132	1.2399687	1.5998868	1.8042618
5503000000	2.094395102	-0.104719755	1.734279848	1.939306075	1.927575116	-1.4908295	1.4908295	1.5628979	1.2277949	1.7487419	1.7827635
5503000000	2.094395102	-0.052359878	1.12313661	1.798669574	1.059049431	2.661189945	1.2951309	1.5130977	1.2761595	1.845521	1.7098804
5503000000	2.094395102	-4.44E-16	0.959000768	1.507444502	1.372627631	2.623027135	1.2470965	1.4149609	1.3575717	1.8293749	1.6502193
5503000000	2.094395102	0.052359878	1.45915183	1.136538477	1.372001414	2.358574446	1.399314	1.2991337	1.3715136	1.7213035	1.6071343
5503000000	2.094395102	0.104719755	2.064346793	0.888014383	0.973667712	0.906377856	1.6085504	1.2268782	1.2513153	1.6070811	1.5334412
5503000000	2.094395102	0.157079633	2.255745297	0.96959257	0.293311134	1.94396982	1.6810264	1.2501417	1.0698703	1.5645771	1.4345321
5503000000	2.094395102	0.20943951	1.884236028	1.362639312	-0.039588182	1.067574969	1.5432049	1.3685603	0.9909259	1.6097465	1.392387
5503000000	2.094395102	0.261799388	1.083680968	1.827792129	0.313366	2.295687353	1.2834179	1.5232782	1.0793532	1.6965581	1.447771
5503000000	2.094395102	0.314159265	0.280726018	2.130270502	0.81132221	2.453724347	1.0667744	1.6331537	1.2054029	1.7594318	1.5112174
5503000000	2.094395102	0.366519143	0.024316186	2.158759696	0.786861104	2.468255956	1.0056147	1.6439022	1.1986327	1.7653288	1.4717206
5503000000	2.094395102	0.41887902	0.314804836	1.917206493	0.260275201	2.379102939	1.0751783	1.5549651	1.0617628	1.7294591	1.3204868
5503000000	2.094395102	0.471238898	0.57203192	1.487842397	-0.253381735	2.248304159	1.1407834	1.0858888	0.943326	1.6781486	1.1150169
5503000000	2.094395102	0.523598776	0.352311215	0.995484616	-0.04364917	2.066587488	1.0845039	1.2576172	0.9110947	1.6039806	0.8480823
5503000000	2.094395102	0.575958653	-0.379818223	0.57186181	-0.606033732	1.774668779	0.9162588	1.1407387	0.8697544	1.5047588	0.4449181
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5503000000	2.14675498	0.366519143	0.182238374	1.974008784	0.656366278	2.310793969	1.0428548	1.5754364	1.1651011	1.7024697	1.3718489
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5503000000	2.14675498	1.989675347	-5.950001438	-4.463386969	-7.548168256	-3.209540598	0.2540972	0.3578173	0.1795491	0.4775798	-4.9853453
5503000000	2.14675498	2.042035225	-5.625482421	-5.243600473	-6.942379037	-3.26					

5503000000	2.199114858	-1.570796327	-4.253640416	-3.962273857	-2.81456498	-1.698258819	0.3755225	0.4015805	0.5230504	0.6763541	-3.0616154
5503000000	2.199114858	-1.518436449	-4.059924653	-2.674691991	-3.130780481	-1.492493432	0.3926517	0.5401704	0.4863198	0.7091705	-2.740246
5503000000	2.199114858	-1.466076572	-2.734416318	-1.4712299	-2.693704411	-1.356970411	0.5327928	0.7265112	0.5378108	0.7316493	-2.0153855
5503000000	2.199114858	-1.413716694	-1.58696388	-0.523736977	-1.927935979	-1.293368221	0.6939107	0.886393	0.6415144	0.7424431	-1.3014352
5503000000	2.199114858	-1.361356817	-1.04075022	0.183126059	-1.5096076	-1.355014742	0.7869098	1.063605	0.7063814	0.7319788	-0.8773303
5503000000	2.199114858	-1.308996939	-0.702904847	0.74971429	-1.66017582	-1.575088892	0.8505689	1.188424	0.6823111	0.6965321	-0.6830876
5503000000	2.199114858	-1.256637061	-0.045288445	1.229926448	-0.2073719512	-1.900996244	0.9896261	1.327372	0.6203375	0.6455061	-0.4783236
5503000000	2.199114858	-1.204277184	0.846038272	1.564587046	-2.223664505	-2.283400075	1.2150771	1.4337014	0.5992852	0.5910987	-0.1782351
5503000000	2.199114858	-1.151917306	1.461008055	1.636854542	-1.954451433	-1.35923502	1.3999122	1.4577581	0.6376096	0.537869	0.0358426
5503000000	2.199114858	-1.099557429	1.531118148	1.382247959	-1.611042492	-3.138426169	1.422695	1.3747534	0.6900741	0.4854644	-0.0294285
5503000000	2.199114858	-1.047197551	1.237841987	0.87906943	-1.4474394	-3.614657183	1.3297935	1.2243538	0.7165658	0.4350451	-0.3318291
5503000000	2.199114858	-0.994837674	1.111177979	0.385790058	-1.255585242	-4.07325342	1.2915701	1.0928964	0.7489304	0.3914485	-0.5491991
5503000000	2.199114858	-0.942477796	1.391001945	0.209081201	-0.724470308	-4.394316689	1.3775272	1.0493204	0.8463558	0.3635535	-0.4134572
5503000000	2.199114858	-0.890117919	1.620274908	0.40020473	-0.002791026	-4.40244773	1.4522035	1.0965299	1.0006429	0.3628735	-0.0963342
5503000000	2.199114858	-0.837758041	1.354496642	0.728009651	0.559376228	-3.980627445	1.3659967	1.1824995	1.1374639	0.399887	0.0922212
5503000000	2.199114858	-0.785398163	0.763755744	0.986301127	0.777669066	-3.192709586	1.1922726	1.2549607	1.1960985	0.4794342	0.131287
5503000000	2.199114858	-0.733038286	0.650422224	1.151415597	0.785825748	-2.274331679	1.1615615	1.3035916	1.1983469	0.5923342	0.2692472
5503000000	2.199114858	-0.680678408	1.335138918	1.299286597	0.88122241	-1.50553434	1.3599217	1.3487413	1.2249609	0.7070442	0.6452052
5503000000	2.199114858	-0.628318531	2.053195496	1.425905621	1.164912235	-1.076148838	1.6044255	1.3973029	1.3076491	0.7890525	1.0464921
5503000000	2.199114858	-0.575958653	2.217914416	1.547475476	1.468737664	-0.99444696	1.6664468	1.4280636	1.402406	0.7953445	1.1258126
5503000000	2.199114858	-0.523598776	1.860985423	1.535895436	1.677981931	-1.024243328	1.5349652	1.4242609	1.4706123	0.7899065	1.1558928
5503000000	2.199114858	-0.471238898	1.432405345	1.460323347	1.177823641	-0.776755428	1.3907227	1.3996915	1.504124	0.8362275	1.0812129
5503000000	2.199114858	-0.41887902	1.384038719	1.43031226	1.733309665	-0.971256804	1.3753204	1.381342	1.4904965	0.9719576	1.15537
5503000000	2.199114858	-0.366519143	1.6655371	1.405507547	1.539699934	0.634650948	1.4674176	1.3821358	1.4255091	1.157351	1.3293282
5503000000	2.199114858	-0.314159265	1.961254306	1.464951972	1.724943135	1.170834505	1.5708164	1.4011841	1.34259	1.3132383	1.4828089
5503000000	2.199114858	-0.261799388	2.135755565	1.574127596	1.086071594	1.474285667	1.6352176	1.4368544	1.2841246	1.4041987	1.583923
5503000000	2.199114858	-0.20943951	2.172470446	1.720811587	0.980371656	-1.268280915	1.6491002	1.4862134	1.2532484	1.4732216	1.6596979
5503000000	2.199114858	-0.157079633	1.995912635	1.860895967	0.902376766	-1.998547858	1.5834023	1.5349336	1.2309422	1.5843633	1.7126131
5503000000	2.199114858	-0.104719755	1.551872926	1.916892302	0.785927302	-2.392759868	1.4295103	1.5548528	1.2294454	1.7349062	1.7236314
5503000000	2.199114858	-0.052359878	1.04842597	1.808757619	1.068517203	-2.653100454	1.2730416	1.5166164	1.2789446	1.8420866	1.6957813
5503000000	2.199114858	-4.44E-16	0.959000564	1.50744439	1.327627366	-2.623027066	1.2470965	1.4149609	1.3575716	1.8293749	1.6502191
5503000000	2.199114858	0.052359878	1.43966248	1.105881493	1.388310906	-2.340262062	1.3930485	1.2899954	1.3766739	1.7146007	1.5940031
5503000000	2.199114858	0.104719755	2.053266106	0.846009344	1.046641676	-2.021697099	1.6044516	1.215069	1.2725187	1.592831	1.5266057
5503000000	2.199114858	0.157079633	2.348312655	0.948565792	0.452754547	-2.90179442	1.7172411	1.2441037	1.1098785	1.5488806	1.4768435
5503000000	2.199114858	0.20943951	2.154367456	1.339890981	0.151119398	-2.004823099	1.6422405	1.3614105	1.035409	1.5866543	1.4811768
5503000000	2.199114858	0.261799388	1.5373138	1.726491907	0.397131256	-1.4247261	1.4247261	1.4881585	1.0957542	1.6462377	1.5036313
5503000000	2.199114858	0.314159265	0.796899325	1.88689425	0.677149234	-2.214429981	1.2014064	1.5441498	1.1671184	1.6651103	1.4440177
5503000000	2.199114858	0.366519143	0.390277232	1.775652006	0.949855311	-2.121152956	1.0940262	1.5050995	1.1219811	1.6297286	1.263616
5503000000	2.199114858	0.41887902	0.475525372	1.471550041	0.028273041	-1.969821292	1.1157131	1.4033146	1.0065313	1.5739182	1.0546657
5503000000	2.199114858	0.471238898	0.673283836	1.083383243	-0.154735383	-1.836604296	1.1676921	1.2832399	0.9649981	1.5263721	0.9187722
5503000000	2.199114858	0.523598776	0.564904166	0.679517207	0.089428128	-1.671026868	1.1389126	1.1693839	1.0208051	1.4692736	0.7903422
5503000000	2.199114858	0.575958653	0.073779477	1.301553298	-1.8212016	-1.362037078	1.071335	1.0719026	1.0428219	1.361541	0.5051499
5503000000	2.199114858	0.628318531	-0.489433961	-0.003424022	-0.286345993	-0.770913436	0.8934219	0.9992119	0.936193	1.0942793	0.0249718
5503000000	2.199114858	0.680678408	-0.680037983	-0.244113646	-1.12839441	-0.02470192	0.8505092	0.9453413	0.7711885	1.1005704	-0.4850547
5503000000	2.199114858	0.733038286	-0.496483991	-0.543526644	-1.658390551	-0.727894152	0.8919728	0.8823631	0.6825916	0.8456888	-0.8320187
5503000000	2.199114858	0.785398163	-0.357566482	-1.041689876	-1.578616983	-1.306816983	0.9209655	0.7867396	0.6951995	0.7401475	-1.0470841
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5503000000	2.199114858	1.047197551	-0.706427137	-3.379541728	-0.222715605	-0.014828356	0.8498794	0.4592465	0.9500106	0.9665915	-0.8941189
5503000000	2.199114858	1.099557429	-0.75675956	-3.56965278	0.285387862	-0.361573791	0.8400866	0.4395725	1.0679202	1.086864	-0.662036
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5503000000	2.199114858	1.204277184	-1.120261229	-3.797399927	-0.049637346	-0.244102158	0.7726341	0.417119	0.9886356	1.0578162	-0.9020397
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5503000000	2.199114858	1.308996939	-0.845202109	-3.249068889	-0.665901162	-0.791860259	0.8231515	0.4732527	0.8578471	0.8333242	-1.267411
5503000000	2.199114858	1.361356817	-0.690933421	-2.79445292	-1.096087811	-1.612558652	0.8529168	0.5254782	0.7769467	0.6898333	-1.4795102
5503000000	2.199114858	1.413716694	-0.752471699	-2.391770407	-1.849786244	-2.709922566	0.8409164	0.5765314	0.6531627	0.5358062	-1.8601614
5503000000	2.199114858	1.466076572	-1.068734793	-2.121939307	-2.877745025	-4.093536168	0.7815585	0.613488	0.5154962	0.3896246	-2.4024448
5503000000	2.199114858	1.518436449	-1.517206671	-1.993309086	-3.961480166	-5.532526884	0.7051465	0.6319302	0.4016539	0.2797353	-2.9703858
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5503000000	2.199114858	1.780235837	-2.43580062	-1.60251097	-7.224410254	-5.240294613	0.5707159	0.6914311	0.1894781	0.2990262	-3.5881572
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5503000000	2.251474735	-1.204277184	1.245969949	1.456382463	-1.639391947	-4.325329024	1.3322844	1.398422	0.6855842	0.3693747	-0.2391776
5503000000	2.251474735	-1.151917306	1.887564766	1.664719341	-1.444625127	-4.695444138	1.5443882	1.4671413	0.7170303	0.3391998	-0.0729528
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5503000000	2.251474735	-1.047197551	1.885506261	1.117495564	-1.076153204	-5.207115295	1.5436564	1.2934497	0.7805212	0.3015008	-0.0887054
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5503000000	2.251474735	-0.837758041	2.160396925	0.258443864	0.645556333	-4.087842995	1.644522	1.0613152	1.1602608	0.3901357	0.2696548
5503000000	2.251474735	-0.785398163	1.542573161	0.385454947	0.839735149	-3.235494894	1.4264525	1.0928121	1.2133149	0.4747342	0.219449
5503000000	2.251474735	-0.733038286	1.28227149	0.542534975	0.831070168	-2.303035303	1.3434675	1.1330615	1.2108965	0.5884323	0.2896325
5503000000	2.251474735	-0.680678408	1.772266515	0.77699576	0.953128423	-1.47541165	1.5039266	1.195913	1.2454114	0.7119653	0.6606462
5503000000	2.251474735	-0.628318531	2.389680157	1.029971684	1.323977411	-0.952947344	1.7336763	1.2676436	1.3564311	0.802891	1.0651332
5503000000	2.251474735	-0.575958653	2.53439848	1.166681769	1.71183619	-0.80018995	1.7924203	1.308182	1.483145	0.8300056	1.3134844
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5503000000	2.251474735	-0.471238898	1.723882785	1.01178692	1.901788152	-0.775756919	1.4872647	1.2623468	1.5494877	0.8364198	1.0852435
5503000000	2.251474735	-0.41887902	1.612904372	0.940290996	1.727504465	-0.239050434	1.4497411	1.2417355	1.4885898	0.9464441	1.0776186
5503000000	2.251474735	-0.366519143	1.838672546	0.982722541	1.460225896	-0.511386768	1.5270992	1.253927	1.3996601	1.1249644	1.2267866
5503000000	2.251474735	-0.314159265	2.086838439	1.123943357	1.202154569	-1.111415377	1.6169025	1.2953715	1.3189109	1.2916403	1.4010131
5503000000	2.251474735	-0.261799388	2.189133384	1.33291505	1.040716457	-1.445540015	1.6554396	1.3592255	1.2707837	1.3949351	1.523177
5503000000	2.251474735	-0.20943951	2.132710292	1.57611153	0.958696699	-1.664279807	1.6340714	1.4375109	1.2470092	1.4669928	1.6028724
5503000000	2.251474735	-0.157079633	1.892252486	1.793519952	0.896825364	-1.97584375	1.5460561	1.5113044	1.2293698	1.5761022	1.660475
5503000000	2.251474735	-0.104719755	1.454469441	1.899140424	1.375914824	-2.375914824	1.3978061	1.1330615	1.2310815	1.72819	1.6920315
5503000000	2.251474735	-0.052359878	1.01062766	1.811764289	1.073702535	-2.648961933	1.2620099	1.5176668	1.2804725	1.8403321	1.6882744
5503000000	2.251474735	-4.44E-16	0.959000554	1.507444124	1.327627517	-2.623027372	1.2470965	1.4149608	1.3575716	1.829375	1.6502192
5503000000	2.251474735	0.052359878	1.427623623	1.091488298	1.395423466	-2.332563964	1.3891923	1.2857272	1.3789304	1.7110252	1.5872991
5503000000	2.251474735	0.104719755	2.038986264	0.823115343	1.083734468	-2.00646819	1.5995206	1.2068606	1.2834337	1.5872554	1.5220348
5503000000	2.251474735	0.157079633	2.379721826	0.925168109	0.5415083	-1.883817797	1.7297056	1.2374191	1.1327797	1.5430563	1.4944811
5503000000	2.251474735	0.20943951	2.269128113	1.299887865	0.268022238	-1.974757952	1.6862145	1.3489281	1.0636585	1.5757082	1.5186832
5503000000	2.251474735	0.261799388	1.749273167	1.637729096	0.456670709	-2.090712657	1.4959853	1.48500517	1.1108798	1.6183456	1.5253771
5503000000	2.251474735	0.314159265	1.0179159812	1.731688524	0.613716657	-2.074971216	1.729957	1.4899402	1.1517857	1.6124235	1.4098751
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5503000000	2.251474735	0.471238898	0.756726545	0.919002049	-0.2972777084	-1.591867637	1.1903445	1.2356635	0.9338396	1.4427357	0.791449
5503000000	2.251474735	0.523598776	0.656674528	0.546428772	0.074900246	-2.147228275	1.163235	1.1340709	1.017396	1.3890658	0.7038652
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5503000000	2.251474735	1.204277184	-1.080923734	-4.414546848	0.483725225	-0.352243593	0.7796643	0.3618639	1.1178217	1.084487	-0.7781491
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5503000000	2.303834613	-0.41887902	1.843852738	0.48366732	-0.800676343	-5.772484528	1.5289218	1.1087579	1.4764746	0.9320833	1.0075277
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5503000000	2.303834613	-0.20943951	2.075548963	1.410738081	0.949681952	1.61270409	1.6127409	1.3838015	1.2444235	1.4583792	1.5376222
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5503000000	2.303834613	-0.104719755	1.35417145	1.877416681	0.102900074	2.359700538	1.3658945	1.5407837	1.2331872	1.7217499	1.6595731
5503000000	2.303834613	-0.052359878	0.973080838	1.813484849	0.971011177	2.644882294	1.2511463	1.5182682	1.2820683	1.8386041	1.6806171
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5503000000	2.303834613	0.052359878	1.414186526	1.07775568	1.041695564	1.3849008	1.3849008	1.281674	1.3809233	1.7083923	1.5805252
5503000000	2.303834613	0.104719755	2.020953725	0.798774576	1.120222276	1.993975589	1.592584	1.2019252	1.2942621	1.5826962	1.5163385
5503000000	2.303834613	0.157079633	2.399552292	0.892876476	0.632949422	1.871870049	1.7376217	1.2282525	1.1568977	1.5387788	1.51087834
5503000000	2.303834613	0.20943951	2.366601287	1.242110411	0.395097226	1.949696098	1.7244878	1.3311011	1.0952411	1.5666414	1.5514401
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5503000000	2.303834613	0.314159265	1.341089085	1.56327701	0.590100013	1.94138444	1.3617861	1.433269	1.1455394	1.563646	1.3863741
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5503000000	2.303834613	0.73038286	0.055672901	-0.530083483	-0.538787153	-1.118996385	0.129017	0.8850986	0.8833266	0.7728592	-0.5131984
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5503000000	2.303834613	1.72787596	-1.772								

5503000000	2.35619449	-1.884955592	-9.797856484	-9.405817119	-3.132685297	-5.275249132	0.1047645	0.1146617	0.4861065	0.2968076	-6.0104475
5503000000	2.35619449	-1.832595715	-6.307296855	-9.630748525	-3.996820533	-4.515746659	0.2340293	0.1088742	0.3983987	0.3535292	-5.6271269
5503000000	2.35619449	-1.780235837	-4.220776842	-7.116802579	-3.805552253	-3.603946157	0.3783749	0.1942315	0.4163368	0.6161194	-4.4822605
5503000000	2.35619449	-1.72787596	-3.333325354	-4.460025114	-2.422352162	-2.855982452	0.4641597	0.3580944	0.5724859	0.5180859	-3.2038456
5503000000	2.35619449	-1.675516082	-3.294282689	-2.565831284	-3.198226065	-2.389155488	0.4683513	0.3580815	0.7379345	0.5768786	-2.339275
5503000000	2.35619449	-1.623156204	-3.592731946	-1.318720093	-1.069057481	-2.157911875	0.437274	0.7381217	0.7817975	0.6084275	-1.928712
5503000000	2.35619449	-1.570796327	-3.465714347	-0.478096339	-1.39708192	-2.063468265	0.4502239	0.8957573	0.7249229	0.6218035	-1.7187079
5503000000	2.35619449	-1.518436449	-2.606979143	0.137718327	-1.662395765	-2.049194137	0.5486585	1.032219	0.6819624	0.6238506	-1.4165978
5503000000	2.35619449	-1.466076572	-1.569005098	0.606955541	-1.388479418	-2.134523946	0.6967861	1.1499939	0.7263602	0.6117129	-0.9897058
5503000000	2.35619449	-1.413716694	-0.818711443	0.9336292	-0.779283252	-2.369122005	0.8281877	1.2398322	0.8357409	0.5795458	-0.6006286
5503000000	2.35619449	-1.361356817	-0.313145211	1.125340823	-0.734256738	-2.762335811	0.9304338	1.2957884	0.9174329	0.5793786	-0.3703507
5503000000	2.35619449	-1.308996939	0.259242514	1.242424641	-0.416820817	-3.252778548	1.0651014	1.3311974	0.9084853	0.4722846	-0.2525329
5503000000	2.35619449	-1.256637061	1.051941313	1.359016969	-0.717554023	-3.7403641	1.2740725	1.3674193	0.8477704	0.4226332	-0.0968006
5503000000	2.35619449	-1.204277184	1.864250695	1.471882853	-0.887110766	-4.151438108	1.5361197	1.403422	0.8152465	0.3844645	0.1486195
5503000000	2.35619449	-1.151917306	2.418587746	1.482799463	-0.769527896	-4.468132366	1.7452545	1.4069542	0.8376203	0.3574265	0.3615518
5503000000	2.35619449	-1.09557429	2.643234371	1.294503783	-0.586673515	-4.692144275	1.8379066	1.3472568	0.8736403	0.3394576	0.4122103
5503000000	2.35619449	-1.047197551	2.724518917	0.918359356	-0.5433068	-4.772614583	1.8726296	1.2354806	0.8824078	0.3332257	0.3379996
5503000000	2.35619449	-0.994837674	2.931291143	0.499060161	-0.488997388	-4.577840406	1.9639441	1.1217757	0.8935117	0.3485106	0.3420138
5503000000	2.35619449	-0.942477796	3.269533884	0.200816391	-0.126523866	-4.046245121	2.1230166	1.0473254	0.9712871	0.3938905	0.4565705
5503000000	2.35619449	-0.890117919	3.443904977	0.034343562	-0.475802986	-3.352891162	2.209991	1.0079392	1.1157844	0.4620733	0.7879998
5503000000	2.35619449	-0.837758041	3.208706202	-0.112194778	0.961188385	-2.733514965	2.0934887	0.9744497	1.2477249	0.5329034	0.8355762
5503000000	2.35619449	-0.785398163	2.663315672	-0.252780868	1.131086867	-2.22221941	1.8464246	0.9435466	1.2975039	0.5994846	0.6882289
5503000000	2.35619449	-0.733038286	2.326253175	-0.228606179	1.12952077	-1.678959974	1.7085407	0.9487229	1.297036	0.6793663	0.6386472
5503000000	2.35619449	-0.680678408	2.579730236	0.055016937	1.231523741	-1.057921915	1.8112276	1.0127487	1.3528628	0.7838064	0.9347804
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5503000000	2.35619449	-0.523598776	2.773464006	0.346434557	2.265008401	-0.285867264	1.8938536	1.1052597	1.6846436	0.9060106	1.4533375
5503000000	2.35619449	-0.471238898	2.274532264	0.159085668	2.019187738	-0.557952182	1.688314	1.03731	1.591911	0.8794371	1.1369039
5503000000	2.35619449	-0.41887902	2.051551512	-0.016106333	1.617113896	-0.320172503	1.6038183	0.9962982	1.4511469	0.9289295	0.9518618
5503000000	2.35619449	-0.366519143	2.151762809	0.049533124	1.266653254	0.30008663	1.6412558	1.0114707	1.3864447	0.1715407	1.0234038
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5503000000	2.35619449	-0.20943951	2.00088679	1.22863136	0.953493499	1.606909452	1.5852168	1.3269762	1.2455161	1.4477412	1.4655052
5503000000	2.35619449	-0.157079633	1.656499766	1.62981336	0.904973712	1.928162611	1.4643671	1.4553965	1.2316785	1.5588928	1.546016
5503000000	2.35619449	-0.104719755	1.252159667	1.852162223	0.919047188	2.344381877	1.3341847	1.5184499	1.2356763	1.7156875	1.6266882
5503000000	2.35619449	-0.052359878	0.936214447	1.813987986	0.084681467	2.64094875	1.2405705	1.5184441	1.2837136	1.8369996	1.672928
5503000000	2.35619449	-4.44E-16	0.959000937	1.507444133	1.327627549	2.623026921	1.2470966	1.4149608	1.3575716	1.8293748	1.6502192
5503000000	2.35619449	0.052359878	1.39947643	1.064793627	1.470209196	1.320213911	1.3802179	1.2778485	1.3826176	1.7051664	1.573699
5503000000	2.35619449	0.104719755	1.996301573	0.773003206	1.155306323	1.984155899	1.5835441	1.194814	1.30476	1.5791217	1.5092827
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5503000000	2.35619449	0.20943951	2.444536259	1.168788063	0.527870424	1.932594908	1.7557134	1.3088166	1.1292421	1.5600486	1.5792924
5503000000	2.35619449	0.261799388	2.11324051	0.830805712	0.964358743	1.964538743	1.6267621	1.3815944	1.1595915	1.5720048	1.568483
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5503000000	2.35619449	0.366519143	1.177514367	1.188247682	0.917873603	1.576021718	1.3114491	1.3146943	1.0279864	1.4374812	1.0479522
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5503000000	2.35619449	0.628318531	0.211352147	-0.35226973	-0.225121838	0.066366886	1.0496892	0.9220894	0.9494844	1.0153899	-0.0691202
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5503000000	2.35619449	0.785398163	0.466069512	-0.362686365	-0.59731271	-1.756779088	1.1132865	0.9198804	1.0616299	0.6073015	-0.2662896
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5503000000	2.35619449	0.994837674	0.343346584	-1.596725666	1.076971193	-1.635830935	1.0822676	0.6923528	1.2814366	0.6582895	-0.3217758
5503000000	2.35619449	1.047197551	0.13644122	-2.103350266	1.5426241572	-1.848354809	1.0319155	0.6161195	1.4276579	0.653378	-0.3045935
5503000000	2.35619449	1.099557429	-0.279444193	-2.727276699	1.7629211055	-1.936211055	0.937682	0.5342288	1.4846672	0.6402932	-0.4613511
5503000000	2.35619449	1.151917306	-0.683291587	-3.263482336	1.461524769	-2.100042909	0.8544189	0.4716847	1.4000788	0.6165889	-0.7795333
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5503000000	2.35619449	1.308996939	-0.072507018	-3.232499399	0.439494488	-2.173735933	0.9834432	0.4750617	1.106495	0.4822435	-1.1815284
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5503000000	2.35619449	1.518436449	-0.91921938	-2.712401313	-2.714815473	-4.993323892	0.8092413	0.5355005	0.5352029	0.3167143	-2.6029735
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5503000000	2.35619449	1.623156204	-0.556531802	-2.483970854	-4.09246505						

5503000000	2.408554368	-1.989675347	-11.86485785	-4.791486687	-3.214441212	-3.466353731	0.06509	0.3317809	0.4770412	0.4501576	-4.8014915
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5503000000	2.408554368	-1.518436449	-2.098583523	0.022051396	-1.417878205	-0.972735074	0.6167961	1.0050904	0.7214599	0.7993307	-1.0476022
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5503000000	2.408554368	-1.361356817	0.230367915	1.059918546	-0.328723461	-1.890472184	1.0544762	1.2764149	0.9271023	0.6470723	-0.1043165
5503000000	2.408554368	-1.308996939	0.839381447	1.107235541	-0.342369406	-2.319072188	1.2132216	1.2903976	0.9241938	0.5862634	0.0152505
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5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.354592249	-3.306345523	1.9845826	1.1696241	0.9235082	0.4670522	0.5545165
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5503000000	2.408554368	-1.256637061	1.535161298	1.114500005	-0.578941103	-2.661679544	1.4240201	1.2925579	0.8751971	0.5417913	0.1426494
5503000000	2.408554368	-1.204277184	2.210241488	1.096109972	-0.693824178	-2.900199805	1.6635051	1.2870962	0.8523492	0.5128378	0.3300015
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5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.354592249	-3.306345523	1.9845826	1.1696241	0.9235082	0.4670522	0.5545165
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5503000000	2.408554368	-0.942477796	3.672038418	-0.414168151	0.194028306	-3.05689308	2.3291842	0.9095044	1.0456897	0.4946644	0.7723876
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5503000000	2.408554368	-0.837758041	3.548417551	-0.60851865	1.213722393	-2.012380503	2.2638193	0.8692569	1.3224286	0.6291612	1.0420244
5503000000	2.408554368	-0.785398163	3.034682797	-0.734334779	1.366455471	-1.706303053	2.0112603	0.8444356	1.3697602	0.6751025	0.8818559
5503000000	2.408554368	-0.73038286	2.692996059	-0.657203681	1.368737602	-1.385986661	1.8590865	0.8595668	1.3704828	0.7267773	0.8061868
5503000000	2.408554368	-0.680678408	2.8735958836	-0.268046009	1.559548078	-0.910787926	1.9381879	0.9401462	1.4320389	0.8108139	1.0731064
5503000000	2.408554368	-1.256637061	1.535161298	1.114500005	-0.578941103	-2.661679544	1.4240201	1.2925579	0.8751971	0.5417913	0.1426494
5503000000	2.408554368	-1.204277184	2.210241488	1.096109972	-0.693824178	-2.900199805	1.6635051	1.2870962	0.8523492	0.5128378	0.3300015
5503000000	2.408554368	-1.151917306	2.705405898	0.977794799	-0.550434781	-3.094448866	1.8644064	1.252505	0.8809067	0.4904053	0.500197
5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.354592249	-3.306345523	1.9845826	1.1696241	0.9235082	0.4670522	0.5545165
5503000000	2.408554368	-1.047197551	3.147200322	0.235612165	-0.261440547	-3.489006243	2.0640491	1.0557503	0.9451772	0.4478158	0.5203878
5503000000	2.408554368	-0.994837674	3.384099289	-0.184071642	-0.167710241	-3.449703971	2.1797663	0.9580016	0.9621194	0.5418867	0.5616884
5503000000	2.408554368	-0.942477796	3.672038418	-0.414168151	0.194028306	-3.05689308	2.3291842	0.9095044	1.0456897	0.4946644	0.7723876
5503000000	2.408554368	-0.890117919	3.789835219	-0.501007206	0.76626138	-2.483571367	2.393225	0.8910443	1.1919613	0.5644726	1.0043112
5503000000	2.408554368	-0.837758041	3.548417551	-0.60851865	1.213722393	-2.012380503	2.2638193	0.8692569	1.3224286	0.6291612	1.0420244
5503000000	2.408554368	-0.785398163	3.034682797	-0.734334779	1.366455471	-1.706303053	2.0112603	0.8444356	1.3697602	0.6751025	0.8818559
5503000000	2.408554368	-0.73038286	2.692996059	-0.657203681	1.368737602	-1.385986661	1.8590865	0.8595668	1.3704828	0.7267773	0.8061868
5503000000	2.408554368	-0.680678408	2.8735958836	-0.268046009	1.559548078	-0.910787926	1.9381879	0.9401462	1.4320389	0.8108139	1.0731064
5503000000	2.408554368	-1.256637061	1.535161298	1.114500005	-0.578941103	-2.661679544	1.4240201	1.2925579	0.8751971	0.5417913	0.1426494
5503000000	2.408554368	-1.204277184	2.210241488	1.096109972	-0.693824178	-2.900199805	1.6635051	1.2870962	0.8523492	0.5128378	0.3300015
5503000000	2.408554368	-1.151917306	2.705405898	0.977794799	-0.550434781	-3.094448866	1.8644064	1.252505	0.8809067	0.4904053	0.500197
5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.354592249	-3.306345523	1.9845826	1.1696241	0.9235082	0.4670522	0.5545165
5503000000	2.408554368	-1.047197551	3.147200322	0.235612165	-0.261440547	-3.489006243	2.0640491	1.0557503	0.9451772	0.4478158	0.5203878
5503000000	2.408554368	-0.994837674	3.384099289	-0.184071642	-0.167710241	-3.449703971	2.1797663	0.9580016	0.9621194	0.5418867	0.5616884
5503000000	2.408554368	-0.942477796	3.672038418	-0.414168151	0.194028306	-3.05689308	2.3291842	0.9095044	1.0456897	0.4946644	0.7723876
5503000000	2.408554368	-0.890117919	3.789835219	-0.501007206	0.76626138	-2.483571367	2.393225	0.8910443	1.1919613	0.5644726	1.0043112
5503000000	2.408554368	-0.837758041	3.548417551	-0.60851865	1.213722393	-2.012380503	2.2638193	0.8692569	1.3224286	0.6291612	1.0420244
5503000000	2.408554368	-0.785398163	3.034682797	-0.734334779	1.366455471	-1.706303053	2.0112603	0.8444356	1.3697602	0.6751025	0.8818559
5503000000	2.408554368	-0.73038286	2.692996059	-0.657203681	1.368737602	-1.385986661	1.8590865	0.8595668	1.3704828	0.7267773	0.8061868
5503000000	2.408554368	-0.680678408	2.8735958836	-0.268046009	1.559548078	-0.910787926	1.9381879	0.9401462	1.4320389	0.8108139	1.0731064
5503000000	2.408554368	-1.256637061	1.535161298	1.114500005	-0.578941103	-2.661679544	1.4240201	1.2925579	0.8751971	0.5417913	0.1426494
5503000000	2.408554368	-1.204277184	2.210241488	1.096109972	-0.693824178	-2.900199805	1.6635051	1.2870962	0.8523492	0.5128378	0.3300015
5503000000	2.408554368	-1.151917306	2.705405898	0.977794799	-0.550434781	-3.094448866	1.8644064	1.252505	0.8809067	0.4904053	0.500197
5503000000	2.408554368	-1.099557429	2.976691875	0.680462906	-0.354592249	-3.306345523	1.9845826	1.1696241	0.9235082	0.4670522	0.5545165
5503000000	2.408554368	-1.047197551	3.147200322	0.235612165	-0.261440547	-3.489006243	2.0640491	1.0557503	0.9451772	0.4478158	0.5203878
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5503000000	2.460914245	-2.042035225	-11.99742062	-4.078825004	-4.199704663	-2.015237926	0.0631332	0.3909467	0.3802153	0.6287474	-4.3680034
5503000000	2.460914245	-1.989675347	-11.54045039	-4.296595181	-2.984131476	-1.610314716	0.0701383	0.3718266	0.5030181	0.6901898	-3.8849635
5503000000	2.460914245	-1.93731547	-8.450057432	-5.226524321	-2.334671861	-1.258349437	0.1428875	0.3001564	0.5841613	0.7484539	-3.5270039
5503000000	2.460914245	-1.884955592	-5.935679724	-6.706160166	-2.563154386	-0.92349561	0.2549365	0.2134932	0.554223	0.8083604	-3.3936853
5503000000	2.460914245	-1.832595715	-4.670875442	-7.871837228	-3.18625752	-0.650013984	0.3411241	0.1632361	0.480147	0.860991	-3.3594635
5503000000	2.460914245	-1.780235837	-4.30709698	-7.339742019	-3.076129022	-0.49433371	0.3709286	0.1845125	0.4924783	0.8924415	-3.1418352
5503000000	2.460914245	-1.72787596	-4.289117103	-5.600766926	-1.997677512	-0.463837488	0.3724674	0.2753742	0.6312949	0.8987962	-2.6401552
5503000000	2.460914245	-1.675516082	-4.04506826	-3.92815865	-1.004135416	-0.510419856	0.3939972	0.4047142	0.7935722	0.8891152	-2.0736343
5503000000	2.460914245	-1.623156204	-3.353730317	-2.673120524	-0.662866827	-0.582552114	0.461984	0.5043659	0.8584467	0.8744697	-1.6506307
5503000000	2.460914245	-1.570796327	-2.397909715	-1.745361971	-0.838779622	-0.667999328	0.575717	0.6690851	0.8243697	0.8574327	-1.3569996
5503000000	2.460914245	-1.518436449	-1.401798614	-1.013563289	-1.069231982	-0.8022178	0.724136	0.7918513	0.781766	0.8313391	-1.066416
5503000000	2.460914245	-1.466076572	-0.485503762	-0.429171439	-0.955516975	-1.027994663	0.8942308	0.9059054	0.802506	0.7892245	-0.7162122
5503000000	2.460914245	-1.413716694	0.298600794	-0.011993435	-0.562184412	-1.344655594	0.1071174	0.9972422	0.8785805	0.7337269	-0.3612677
5503000000	2.460914245	-1.361356817	0.955040238	0.2301776	-0.274511618	-1.68966924	1.2459598	1.05443	0.9387476	0.6776931	-0.0912521
5503000000	2.460914245	-1.308996939	1.539147563	0.348858534	-0.300979442	-1.969307804	1.4253278	1.0836421	0.9330439	0.6354322	0.0832822
5503000000	2.460914245	-1.256637061	2.108180622	0.015657382	-0.498966811	-2.121315129	1.6248679	1.1004384	0.891463	0.6135762	0.2431585
5503000000	2.460914245	-1.204277184	2.654550287	0.434186629	-0.506695623	-2.170350376	1.8427017	1.1051435	0.8788817	0.6066874	0.4467832
5503000000	2.460914245	-1.151917306	3.106412753	0.316380531	-0.369071985	-2.22478594	2.044755	1.0756684	0.9185288	0.5991305	0.6426914
5503000000	2.460914245	-1.099557429	3.414570414	-0.026577991	-0.109540400	-2.387295265	2.1951138	0.9938989	0.9750928	0.5771258	0.7383115
5503000000	2.460914245	-1.047197551	3.622589919	-0.557090968	0.042457404	-2.622061676	2.3028147	0.8796115	1.0098241	0.5467565	0.7362733
5503000000	2.460914245	-0.994837674	3.82004163	-1.063311699	0.186514827	-2.701936768	2.4099285	0.7882325	1.0438822	0.5367924	0.9767107
5503000000	2.460914245	-0.942477796	4.002966183	-1.329625747	0.542969392	-2.42699349	2.5136026	0.7362705	1.133175	0.5714866	0.9294289
5503000000	2.460914245	-0.890117919	4.0261440352	-1.406809308	1.069278534	-1.953384414	2.5270512	0.723301	1.2791688	0.6377663	1.1120261
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5503000000	2.460914245	-0.733038286	2.911770173	-1.360304937	-1.302407701	-1.305576419	1.9551362	0.7311332	1.4562662	0.740359	0.8661736
5503000000	2.460914245	-0.680678408	3.051073993	-0.76041741	1.815085406	-0.956516436	2.0188656	0.8937993	1.5188277	0.8023214	1.1221895
5503000000	2.460914245	-0.628318531	3.390083475	-0.123750262	-2.09482451	-0.477162948	2.1827719	0.9719076	1.6632144	0.8959499	1.5486837
5503000000	2.460914245	-0.575985653	3.452924613	0.182877653	2.493891981	-0.159188766	2.2145855	1.0430083	1.7757802	0.9640091	1.759018
5503000000	2.460914245	-0.523598776	3.103861834	0.067092271	2.404698095	-0.151228161	2.0435543	1.0155685	1.7396818	0.9567777	1.5870785
5503000000	2.460914245	-0.471238898	2.601788741	-0.307568599	1.967905814	-0.303819353	1.8204505	0.9316293	1.5732241	0.9324339	1.1873893
5503000000	2.460914245	-0.41887902	2.334149123	-0.646577941	1.448504854	-0.252200059	1.7116498	0.8616724	1.3958877	0.9435828	0.8926485
5503000000	2.460914245	-0.366519143	2.351091025	-0.708627518	1.123237451	0.188072901	1.71834	0.8494489	1.2951609	1.0442567	0.8877435
5503000000	2.460914245	-0.314159265	2.363876817	-0.419832182	1.032462498	0.076059558	1.7234063	0.9078556	1.2683708	1.1956552	1.0510874
5503000000	2.460914245	-0.261799388	2.171690443	0.150872918	0.29511895	1.224398065	1.648804	1.0353502	1.2675094	1.3255684	1.2035566
5503000000	2.460914245	-0.20943951	1.803239553	0.837908332	0.995570193	1.530447143	1.5146907	1.2128046	1.257642	1.4242752	1.3094575
5503000000	2.460914245	-0.157079633	1.391816401	1.439743016	0.932728204	1.3779879816	1.3777856	1.3930744	1.239575	1.5416578	1.4239672
5503000000	2.460914245	-0.104719755	1.048728572	1.793372048	0.938934696	1.2317458552	1.2731303	1.5112531	1.2413478	1.7058083	1.5615643
5503000000	2.460914245	-0.052359878	0.866280748	1.811666556	1.096028851	2.633833569	1.2207538	1.5176326	1.2870721	1.8339325	1.6579249
5503000000	2.460914245	-4.44E-16	0.959000847	1.507444159	1.327627591	2.623027368	1.2470966	1.4149608	1.3575716	1.829375	1.6502193
5503000000	2.460914245	0.052359878	1.366859617	1.041258216	1.414438745	2.311987115	1.3698908	1.2709423	1.3849812	1.7029375	1.5600002
5503000000	2.460914245	0.104719755	1.930003951	1.077852749	1.218119856	1.972000159	1.5995539	1.1793732	1.3237683	1.5740709	1.4904716
5503000000	2.460914245	0.157079633	2.381373175	0.748788348	0.86026034	1.962625088	1.7306334	1.1881707	1.2291441	1.5366059	1.5261579
5503000000	2.460914245	0.20943951	2.53543367	0.988236338	0.789196681	1.930133404	1.7928476	1.25552	1.1992775	1.5596004	1.6191019
5503000000	2.460914245	0.261799388	2.369927242	1.135719657	0.893626532	1.972077201	1.725809	1.2988888	1.2284646	1.5523058	1.6177725
5503000000	2.460914245	0.314159265	2.017407715	1.073084497	0.795903887	1.693924551	1.5912586	1.2802903	1.201131	1.4770407	1.4221113
5503000000	2.460914245	0.366519143	1.692281618	0.908659565	0.252974499	1.392934949	1.476482	1.2327243	1.0599796	1.3781405	1.0952171
5503000000	2.460914245	0.41887902	1.5326588	0.779815872	-0.446127628	1.169800541	1.4231998	1.1966898	0.9023754	1.3091218	0.8201182
5503000000	2.460914245	0.471238898	1.479767836	0.642360278	-0.666827048	1.012780418	1.4059724	1.1594073	0.8576647	1.2626356	0.6871263
5503000000	2.460914245	0.523598776	1.371775066	0.347126484	-0.383489976	0.724939555	1.3714422	1.08321	0.9154845	1.1816639	0.5612323
5503000000	2.460914245	0.575985653	1.134294844	-0.096365814	-0.25011954	1.135378839	1.2984627	0.9780553	0.9440349	1.0264452	0.2602208
5503000000	2.460914245	0.628318531	0.860448401	-0.419865322	-0.571776031	-0.871551083	1.2191155	0.9078487	0.8766422	0.8181725	-0.1979443
5503000000	2.460914245	0.680678408	0.718603243	-0.379660528	-0.717260402	-0.715210692	1.1799411	0.9162921	0.8133395	0.6196892	-0.543761
5503000000	2.460914245	0.733038286	0.752517432	-0.123244724	-0.503952015	-3.166425606	1.1891914	0.9720207	0.8904403	0.4823446	-0.5379382
5503000000	2.460914245	0.785398163	0.820183581	0.019165484	0.378351977	-3.846896079	1.2078649	1.0044228	1.0910262	0.4123922	-0.3201864
5503000000	2.460914245	0.837758041	0.761357514	-0.091028785	1.030375109	-4.189732542	1.1916144	0.7929258	1.2677614	1.3810893	-0.2002811
5503000000	2.460914245	0.890117919	0.55010744	-0.36894469	1.299393109	-4.428859328	1.1350389	0.9185558	1.3487744	1.3606734	-0.2652088
5503000000	2.460914245	0.942477796	0.263436807	-0.680996454	1.53236192	-4.562662798	1.0625361	0.8548705	1.4231025	1.3497307	-0.350054
5503000000	2.460914245	0.994837674	-0.070891203	-0.998392568	0.200188263	-0.385851704	0.9838092	0.7946223	1.5855805	0.3659442	-0.3035627
5503000000	2.460914245	1.047197551	-0.497199361	-1.354369424	1.492132144	-3.793643098	0.8918259	0.7320876	1.7746925	0.41748	-0.2044183
5503000000	2.460914245	1.099557429	-0.960251664	-1.706974064	2.623455669	-3.135392335	0.8016316	0.6749982	1.8295554	0.4858036	-0.2319294
5503000000	2.460914245	1.151917306	-1.232791173	-1.929157297	2.578029398	-2.681114529	0.7528715	0.641334	1.682621	0.5393722	-0.4380771
5503000000	2.460914245	1.204277184	-1.123992283	-1.936186156	1.259206393	-2.502063943	0.7719706	0.6042969	1.4361573	0.5620741	-0.6924027
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5503000000	2.565634	-0.523598776	3.107533089	-0.341247983	2.358892927	-0.38481486	2.0452825	0.9244325	1.7321651	0.9152053	1.4451504
5503000000	2.565634	-0.471238898	2.658413633	-0.490922206	1.866122578	-0.308256945	1.8434316	0.8931158	1.536782	0.9314817	1.174209
5503000000	2.565634	-0.41887902	3.241601278	-0.787303029	1.370523262	-0.194918453	1.750492	0.8342498	1.3710469	0.9561106	0.8918497
5503000000	2.565634	-0.366519143	2.426011615	-0.992324547	1.144552738	-0.165031738	1.7482404	0.7957333	1.3015333	0.9378132	0.8673685
5503000000	2.565634	-0.314159265	2.351145358	-0.887077901	1.311962901	-0.1072209838	1.7183615	0.8152526	1.2977657	1.1674035	0.9680432
5503000000	2.565634	-0.261799388	2.036291479	-0.353379816	1.136987596	-0.108663066	1.5981927	0.9218537	1.2992681	1.2908218	1.063725
5503000000	2.565634	-0.20943951	1.558348857	0.46387994	1.066638811	-1.44832668	1.4316345	1.1127254	1.2783915	1.3958304	1.1549326
5503000000	2.565634	-0.157079633	1.117667106	1.244042034	0.6839314	-1.835724585	1.2935008	1.3316933	1.2497965	1.5259049	1.3040578
5503000000	2.565634	-0.104719755	0.857446035	1.728239	0.958724733	-2.297135874	1.218273	1.4887573	1.2470173	1.697124	1.500785
5503000000	2.565634	-0.052359878	0.804307734	1.805525725	1.071876625	-2.628172245	1.2034575	1.5154882	1.2903837	1.8315434	1.6441777
5503000000	2.565634	-4.44E-16	0.959000934	1.507444713	1.327627298	-2.623026838	1.2470966	1.4149608	1.3575716	1.8293748	1.6502191
5503000000	2.565634	0.052359878	1.331250638	1.021421437	1.327084258	-1.3587047	1.3587047	1.2651504	1.3857936	1.7013131	1.5464926
5503000000	2.565634	0.104719755	1.842733739	0.660162796	1.266390493	-1.968345336	1.5285279	1.1641697	1.3385637	1.5733833	1.4648809
5503000000	2.565634	0.157079633	2.301506973	0.626126769	1.036512281	-1.698337592	1.698833	1.550816	1.2695541	1.5431344	1.5126281
5503000000	2.565634	0.20943951	2.534674404	0.788146129	1.008708028	-1.970866014	1.7925342	1.1989874	1.2614522	1.5742968	1.6340519
5503000000	2.565634	0.261799388	3.061799388	0.888839761	1.136459581	-1.937877614	1.7795478	1.2271114	1.2991101	1.5623899	1.6644145
5503000000	2.565634	0.314159265	2.306695126	0.848851353	1.065330462	-1.675092828	1.7008637	1.2158644	1.2780065	1.4706498	1.5116939
5503000000	2.565634	0.366519143	2.107423712	0.777136539	1.324483598	-1.6245847	1.6245847	1.1959517	1.1550574	1.3565892	1.2484506
5503000000	2.565634	0.41887902	2.00855065	0.74852104	0.094838502	-1.049557364	1.5880167	1.1880976	1.0229251	1.2733733	1.0315459
5503000000	2.565634	0.471238898	1.984246609	0.641428136	0.187117355	-1.671686926	1.5791546	1.1591585	0.9956994	1.917048	0.904095
5503000000	2.565634	0.523598776	1.938506381	0.278553502	0.244561299	-1.072920623	1.5626101	1.0662409	1.057928	1.40406197	0.7256225
5503000000	2.565634	0.575958653	1.816435666	-0.31971593	0.505353282	-0.946920568	1.5193001	0.9290272	1.0840605	0.8040961	0.9307774
5503000000	2.565634	0.628318531	1.650411556	-0.831356871	0.056895828	-2.587878992	1.4623157	0.8257799	1.0131869	0.5505708	-0.163332
5503000000	2.565634	0.680678408	1.511217404	-0.904707592	-0.251547892	-4.131521811	1.4161907	0.8119499	0.9437245	0.7305507	-0.5276044
5503000000	2.565634	0.733038286	1.414489133	-0.642164958	0.026070604	-5.339654062	1.3849973	0.8625485	1.006021	0.2924385	-0.5232061
5503000000	2.565634	0.785398163	1.291250181	-0.432288322	0.726474037	-3.462749056	1.3462478	0.9052555	1.1820815	0.2762263	-0.3270819
5503000000	2.565634	0.837758041	1.06134185	-0.470070342	1.240425518	-5.746411656	1.2768333	0.8974143	1.3305847	0.2662924	-0.2558911
5503000000	2.565634	0.890117919	0.714407654	-0.679874224	0.422997093	-6.058421188	1.1788017	0.8550915	1.3877132	0.2478323	-0.3746036
5503000000	2.565634	0.942477796	0.331449102	-0.893808754	1.627286733	-6.059016257	1.0748427	0.83139901	1.4545501	0.2477983	-0.4682267
5503000000	2.565634	0.994837674	-0.068436116	-1.044531959	1.52636175	-5.400836954	0.9843655	0.7862249	1.6415859	0.2883476	-0.3397967
5503000000	2.565634	1.047197551	-0.407243249	-1.175026924	2.765536295	-4.556121548	0.910491	0.7629522	1.8903997	0.3502578	-0.09428
5503000000	2.565634	1.099557429	-0.743498148	-1.30673524	3.052009526	-4.096053236	0.8426557	0.7401615	2.0193005	0.3893989	-0.0092205
5503000000	2.565634	1.151917306	-1.149665248	-1.387785684	2.856364076	-4.139262165	0.7674206	0.7264763	1.9303515	0.3855439	-0.2115869
5503000000	2.565634	1.204277184	-1.639907861	-1.363430889	2.83662096	-4.381788667	0.6855028	0.7305617	1.7142186	0.3646038	-0.5862687
5503000000	2.565634	1.256637061	-2.1								

5503000000	2.617993878	-2.408554368	-12.16648945	-7.848058463	-7.483677206	-4.283794362	0.0607227	0.1641323	0.1784976	0.3729242	-7.1204339
5503000000	2.617993878	-2.35619449	-11.93931334	-7.226834668	-6.984392787	-4.037881318	0.0639836	0.1893723	0.2002446	0.3946498	-6.7353589
5503000000	2.617993878	-2.303834613	-10.28302011	-6.59578884	-6.371884976	-3.469171127	0.093691	0.1289884	0.2305746	0.4498657	-6.0505837
5503000000	2.617993878	-2.251474735	-9.046627873	-6.515391567	-5.705282069	-2.718049391	0.1245481	0.2238001	0.2688263	0.5348045	-5.4038629
5503000000	2.617993878	-2.199114858	-9.211958092	-7.373354074	-5.245693597	-2.179133226	0.1198959	0.18309	0.2988344	0.6054617	-5.2025127
5503000000	2.617993878	-2.14675498	-10.45733052	-8.76643631	-5.091320977	-2.041900471	0.0900051	0.1328484	0.3096477	0.6428992	-5.3857367
5503000000	2.617993878	-0.294395102	-10.46635097	-9.003718225	-4.879328567	-2.194574039	0.0898183	0.1257848	0.3251376	0.6033129	-5.4361364
5503000000	2.617993878	-2.042035225	-8.131852527	-7.592425383	-4.082514237	-2.378041962	0.1537499	0.1740834	0.3906123	0.5783567	-4.8918621
5503000000	2.617993878	-1.989675347	-6.085705148	-6.198107177	-3.007934156	-2.451163577	0.2462802	0.2399879	0.5002724	0.5486705	-4.1026228
5503000000	2.617993878	-1.93731547	-5.420994552	-5.470238533	-2.351666417	-2.494582323	0.2870123	0.2837763	0.5818799	0.5630433	-3.6761555
5503000000	2.617993878	-1.884955592	-6.194622534	-5.148128403	-2.323105683	-2.615125741	0.2401805	0.3056238	0.5857192	0.5476302	-3.7696954
5503000000	2.617993878	-1.832595715	-7.60109897	-4.731366217	-2.570956396	-2.754789533	0.1737361	0.3364057	0.5532271	0.5302993	-3.9966207
5503000000	2.617993878	-1.780235837	-7.008125382	-4.019468876	-2.396068019	-2.740419878	0.1991533	0.3963265	0.5759612	0.5320568	-3.7071843
5503000000	2.617993878	-1.72787596	-4.531640163	-3.272144192	-1.613173395	-2.538713048	0.3522378	0.4707449	0.6897356	0.5573509	-2.8607513
5503000000	2.617993878	-1.675516082	-2.508925819	-2.792450583	-0.829103495	-2.328937295	0.5611868	0.5257205	0.8262085	0.5849332	-2.0445904
5503000000	2.617993878	-1.623156204	-1.32488769	-2.650164744	-0.48534407	-2.250965645	0.7370742	0.5432297	0.8942637	0.5955297	-1.5956496
5503000000	2.617993878	-1.570796327	-0.592040577	-2.676835564	-0.535290054	-2.243097683	0.8725613	0.5399039	0.8840381	0.5966096	-1.4069461
5503000000	2.617993878	-1.518436449	0.134674827	-2.592008487	-0.659200084	-2.127885616	1.0314958	0.550553	0.8591718	0.6126486	-1.1720955
5503000000	2.617993878	-1.466076572	0.971988601	-2.264430433	-0.759979727	-1.810138472	1.2508316	0.5936862	0.8749842	0.6591529	-1.0733615
5503000000	2.617993878	-1.413716694	1.717007371	-1.822947861	-0.359820652	-1.399933329	1.4849121	0.6572116	0.9255541	0.7244471	-0.2317377
5503000000	2.617993878	-1.361356817	2.20964314	-1.433591795	-0.167334552	-1.122394338	1.663276	0.7188542	0.9622026	0.7722547	-0.1247736
5503000000	2.617993878	-1.308996399	2.519501177	-1.119806461	-0.178429018	-1.112686693	1.7862824	0.772715	0.9597477	0.7739828	0.3067338
5503000000	2.617993878	-1.256637061	2.858546906	-0.821726609	-0.219112298	-1.306703723	1.931322	0.8276131	0.9507991	0.7402742	0.40630084
5503000000	2.617993878	-1.204277184	3.330684005	-0.552134168	-0.050784546	-1.522335979	2.1531208	0.880616	0.9883745	0.7043141	0.7247823
5503000000	2.617993878	-1.151917306	3.806578238	-0.446755622	-0.36844695	-1.691448659	2.4024692	0.9022449	1.0873878	0.6774155	0.1290663
5503000000	2.617993878	-1.099557429	4.096691844	-0.657577454	-0.813005561	-1.922685218	2.5684386	0.8594928	1.2058702	0.6422905	1.2025327
5503000000	2.617993878	-1.047197551	4.138728793	-1.218075541	-1.12001759	-2.28579141	2.5934201	0.7554269	1.2918146	0.5907733	1.1656083
5503000000	2.617993878	-0.994837674	4.017459976	-1.982693477	-1.130892729	-2.601229932	2.5220053	0.6334677	1.3523505	0.5498383	1.0931767
5503000000	2.617993878	-0.942477796	3.849525746	-2.732972391	-1.596117565	-2.430791669	2.4263451	0.53297	1.4441482	0.5537106	0.9815416
5503000000	2.617993878	-0.890117919	3.64280711	-3.450747557	-1.994968069	-2.229497721	2.3135597	0.4517782	1.5830579	0.5984808	0.9227109
5503000000	2.617993878	-0.837758041	3.333139131	-4.325635474	-3.20592862	-1.998796116	2.1543384	0.3693486	1.7063153	0.6311323	0.8467765
5503000000	2.617993878	-0.785398163	2.98697903	-5.227932422	-4.35615867	-2.13493724	1.9892891	0.3000591	1.7521109	0.6116546	0.6568367
5503000000	2.617993878	-0.733038286	2.858733472	-5.237841684	-4.227262617	-2.459316276	1.931405	0.2993752	1.7469331	0.567634	0.5550707
5503000000	2.617993878	-0.680678408	3.069166317	-3.923839092	-3.7859619	-2.458546216	2.0272935	0.4051502	1.7694454	0.5677346	0.7642504
5503000000	2.617993878	-0.628318531	3.349531958	-2.331722597	-2.622173513	-1.911399635	2.1624855	0.5845582	1.8290154	0.6439617	1.1561223
5503000000	2.617993878	-0.575958653	3.357889777	-1.22292901	-2.631545521	-1.177769826	2.1666511	0.754831	1.8349129	0.7589672	1.3949453
5503000000	2.617993878	-0.523598776	3.030731091	-0.695934863	-2.374466324	-0.695122926	2.0094311	0.8519531	1.7169065	0.8520944	1.3276919
5503000000	2.617993878	-0.471238898	2.62357469	-0.600773721	-1.840058324	-0.433981816	1.8296056	0.8700804	1.5275866	0.9049026	1.0803078
5503000000	2.617993878	-0.41887902	2.439656352	-0.748415236	-1.041455261	-0.205295733	1.7537417	0.8417022	1.3808469	0.9538288	0.9079747
5503000000	2.617993878	-0.366519143	2.434789741	-0.951658288	-1.226459254	-0.723875719	1.7517776	0.8032194	1.3263127	1.004492	0.9006412
5503000000	2.617993878	-0.314159265	2.320072988	-0.958785843	-1.222776423	-0.646132597	1.7061111	0.8019022	1.3251885	1.1604148	0.963552
5503000000	2.617993878	-0.261799388	1.949649672	-0.520336735	-1.204404852	-1.061324135	1.5666247	0.8870872	1.3195945	1.2681828	1.0124295
5503000000	2.617993878	-0.20943951	1.42858905	0.30487498	-1.103475456	-1.409421114	1.3895011	1.0727228	1.2892809	1.383382	1.0847808
5503000000	2.617993878	-0.157079633	0.985836061	1.151707098	0.984637639	-1.515947847	1.2548263	1.3036791	1.2544801	1.5191295	1.2483951
5503000000	2.617993878	-0.104719755	0.771095349	1.695256107	0.967267886	-2.290027846	1.1942893	1.4774936	1.2494727	1.6943487	1.4733651
5503000000	2.617993878	-0.052359878	0.777336106	1.801272409	1.112529254	-2.626024104	1.1960067	1.5140048	1.2919715	1.8306377	1.6380742
5503000000	2.617993878	-4.44E-16	0.959000666	1.507443988	1.327627535	-2.623026895	1.2470965	1.4149608	1.3575716	1.8293748	1.6502191
5503000000	2.617993878	0.052359878	1.312880519	1.013083556	1.4162695	-2.307258548	1.3529696	1.2627238	1.3855652	1.7100844	1.5399334
5503000000	2.617993878	0.104719755	1.792465195	0.631563661	1.28362131	-1.968952201	1.5109376	1.1565286	1.343885	1.5736032	1.4495696
5503000000	2.617993878	0.157079633	2.2421079	0.561931623	1.090197268	-1.675756	1.675756	1.1381334	1.285345	1.5479314	1.4977055
5503000000	2.617993878	0.20943951	2.500139185	0.690675933	1.091378495	-2.00295165	1.7783364	1.1723778	1.2856947	1.5859707	1.6304053
5503000000	2.617993878	0.261799388	2.522653816	0.788162357	1.230038453	-1.973948169	1.7875796	1.1988919	1.3274062	1.5754144	1.6801048
5503000000	2.617993878	0.314159265	2.397292259	0.783217053	1.182432158	-1.688783238	1.7367177	1.1976273	1.312935	1.4752931	1.5553136
5503000000	2.617993878	0.366519143	2.265812077	0.759773423	1.29648127	-1.32648127	1.6849275	1.1917199	1.2052156	1.3469914	1.3260499
5503000000	2.617993878	0.41887902	2.214053371	0.74967369	0.388892076	-0.958038846	1.6649659	1.1884137	1.0936773	1.2468204	1.1343169
5503000000	2.617993878	0.471238898	2.21876008	0.608934706	0.358429917	-0.574862548	1.6667713	1.1505181	1.0860329	1.1415272	1.0078822
5503000000	2.617993878	0.523598776	2.201277631	0.158971918	0.665994564	-0.178728401	1.6600752	1.0372828	1.165734	0.9598618	0.8123688
5503000000	2.617993878	0.575958653	2.114860835	-0.583098293	0.803071839	-1.539434059	1.6273692	0.8743598	1.2107018	0.7015467	0.4277012
5503000000	2.617993878	0.628318531	1.976459635	-1.273223095	0.651750644	-3.370215997	1.5763257	0.745895	1.1619169	0.4602337	-0.060822
5503000000	2.617993878	0.680678408	1.829286347	-1.464568134	0.467367458	-4.523862084	1.5238203	0.7137452	1.1136193	0.3293319	-0.3615332
5503000000	2.617993878	0.730308286	1.682252284	-1.196736581	0.748300208	-0.074833625	1.4730763	0.7591478	1.1880371	0.3108255	-0.3022465
5503000000	2.617993878	0.785398163	1.50071971	-0.90718578	0.373943914	-1.4277361	1.4127716	0.8114867	1.3608003	0.3255139	-0.0981964
5503000000	2.617993878	0.837758041	1.260911966	-0.845607644	1.721891742	-5.185848952	1.3368762	0.8230747	1.486583	0.3029808	-0.0551265
5503000000	2.617993878	0.890117919	0.992590711	-0.952663512	1.05793247	-6.087020151	1.2567795	0.8030335	1.4996615	0.2462056	-0.2162771
5503000000	2.617993878	0.942477796	0.758072058	-1.054673503	1.779618858	-6.823324679	1.1907133	0.7843911	1.5064749	0.2078105	-0.3510545
5503000000	2.617993878	0.994837674	0.588666016	-1.080650245	1.224591012	-6.624745134	1.1451611	0.7797134	1.6310193	0.2175332	-0.2532404
5503000000	2.617993878	1.047197551	0.432072676	-1.090085036	1.619906152	-6.051906939	1.1046057	0.7780213	1.8280607	0.2482043	-0.0448634
5503000000	2.617993878										

5503000000	2.670353756	-2.513274123	-12.54299266	-11.12889379	-9.539146051	-4.531800364	0.0556802	0.07711	0.111195	0.3522248	-8.2666071
5503000000	2.670353756	-2.460914245	-12.41922368	-9.464979753	-8.222025648	-4.307132561	0.0572898	0.1131103	0.1505905	0.3709255	-7.6200655
5503000000	2.670353756	-2.408554368	-12.32934077	-8.888910396	-7.496778775	-4.442386996	0.0584879	0.1291543	0.1779599	0.3595517	-7.4162898
5503000000	2.670353756	-2.35619449	-10.98141356	-7.9876302	-7.078119852	-4.485819678	0.0797735	0.1589414	0.1959693	0.3559738	-7.0407134
5503000000	2.670353756	-2.303834613	-9.227925098	-6.593652136	-6.541646751	-4.025750834	0.1194559	0.2190962	0.2217355	0.3957536	-6.2158337
5503000000	2.670353756	-2.251474735	-8.43686081	-5.716506265	-5.898737616	-3.360441342	0.1433223	0.2681324	0.2571143	0.4612707	-5.4904312
5503000000	2.670353756	-2.199114858	-8.823812129	-5.890746238	-5.420817284	-3.046576913	0.1311049	0.2575879	0.287024	0.4958409	-5.3239634
5503000000	2.670353756	-2.14675498	-9.2752678	-6.98259	-5.222738087	-3.25845778	0.1181607	0.2003277	0.3004182	0.4722307	-5.6418058
5503000000	2.670353756	-2.094395102	-8.065581867	-8.052290663	-4.984719387	-3.721811236	0.156114	0.1565925	0.3173424	0.4244445	-5.7901697
5503000000	2.670353756	-2.042035225	-6.251210062	-7.89538994	-4.232521737	-3.978783804	0.2307713	0.1623533	0.377335	0.4005658	-5.3134466
5503000000	2.670353756	-1.989675347	-5.421310233	-7.052112176	-3.217079176	-3.919420961	0.2869915	0.1971464	0.4767515	0.4055626	-4.6646563
5503000000	2.670353756	-1.93731547	-6.092456296	-6.527536054	-2.566416988	-3.807991122	0.2458976	0.2224572	0.5538068	0.416103	-4.4422118
5503000000	2.670353756	-1.884955592	-8.273057353	-6.365696058	-2.487496648	-3.765350514	0.1488313	0.2309034	0.5639626	0.4202086	-4.6727556
5503000000	2.670353756	-1.832595715	-9.586588955	-6.071455146	-2.679400946	-3.604385077	0.1099869	0.2470896	0.539585	0.4360753	-4.7731557
5503000000	2.670353756	-1.780235837	-6.741130928	-5.371982643	-2.539462333	-3.137774932	0.211781	0.2902697	0.5572547	0.4855372	-4.317575
5503000000	2.670353756	-1.72787596	-3.781614383	-4.567229688	-1.870570618	-2.520694445	0.4186379	0.3493631	0.6500443	0.5596681	-3.0589664
5503000000	2.670353756	-1.675516082	-2.096773934	-4.024385415	-1.162893853	-2.064306072	0.6170532	0.3958781	0.7650866	0.6216836	-2.2190277
5503000000	2.670353756	-1.623156204	-1.308092731	-3.801717917	-0.824213126	-1.877386882	0.7399302	0.4167005	0.8271394	0.6490248	-1.8164231
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5503000000	2.670353756	-1.466076572	0.817187899	-2.476253102	-0.124065765	-1.207032	1.207032	0.5654246	0.829735	0.7546655	-0.7612714
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5503000000	2.670353756	-1.361356817	1.935372701	-1.121319895	-0.306736794	-0.572392491	1.561483	0.7724458	0.9318078	0.8765178	0.1517678
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5503000000	2.670353756	-1.151917306	3.735270604	-0.529122343	1.297693056	-2.27878937	2.3633447	0.8852945	1.2099809	0.366135	1.0506322
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5503000000	2.670353756	-0.730382826	2.895048463	-6.143128078	2.647287457	-3.067118042	1.9476228	0.2430453	1.8396226	0.4955012	0.5344623
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5503000000	2.670353756	0.366519143	2.38726158	0.763042283	0.952564696	1.24939717	1.7327111	1.1920768	1.2452498	1.3333363	1.3856904
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5503000000	2.670353756	0.471238898	2.418325782	0.532639611	0.662693076	0.368914777	1.7451493	1.1304828	1.1648481	1.088658	1.0798441
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5503000000	2.722713633	-0.890117919	3.347118267	-4.10078697	2.729779046	-3.1612839	2.1612839	0.3622364	1.8748991	0.466309	0.8499862
5503000000	2.722713633	-0.837758041	3.208117043	-4.775853522	2.94312905	-2.983974798	2.0932047	0.3329773	1.9693046	0.50304	0.8800549
5503000000	2.722713633	-0.785398163	3.076364154	-5.495451156	2.548584353	-3.101517753	2.0306563	0.2821336	1.9705359	0.4896077	0.7672539
5503000000	2.722713633	-0.730382826	3.091418091	-6.146689101	2.679701011	-3.577014901	2.0377073	0.2428349	1.9089612	0.4388322	0.6336486
5503000000	2.722713633	-0.680678408	3.2528409	-5.732884639	2.893603902	-2.114872	2.114872	0.2671232	1.8594566	0.4165882	0.6614322
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5503000000	2.722713633	-0.575958653	3.214224815	-2.826427376	2.540791938	-2.342284915	2.0961506	0.5216236	1.7950609	0.5831382	0.9656012
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5503000000	2.722713633	-0.471238898	2.555818648	-0.986895519	1.877967437	-1.84949672	1.8012826	0.7967287	1.5409791	0.8231994	0.9361338
5503000000	2.722713633	-0.41887902	2.464738346	-0.649766409	1.589439325	-0.300227491	1.7638995	0.8610401	1.4419292	0.9332054	0.9691645
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5503000000	2.722713633	0.20943951	2.368091891	0.517498913	1.138983541	2.073654463	1.7250798	1.1265485	1.3151744	1.6120015	1.5977799
5503000000	2.722713633	0.261799388	2.472611231	0.647607827	1.329841904	2.059319256	1.7671	1.160809	1.358264	1.6066894	1.6826631
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5503000000	2.722713633	0.837758041	1.596228536	-1.389399299	2.856315432	-4.54005831	1.4441851	0.7262064	1.9303299	0.3515557	0.465222
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5503000000	2.775073511	-0.104719755	0.572126502	1.604138413	0.981582841	2.283284203	1.1408082	1.4468178	1.253598	1.6917198	1.4089627
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5503000000	2.775073511	0.20943951	2.274482491	0.4462978	1.204952647	1.250459919	1.6882947	1.1082297	1.3197609	1.6235285	1.5683781
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5503000000	2.775073511	0.471238898	2.655217387	0.232728852	0.926373486	-0.071841917	1.8429847	1.0550496	1.2369648	1.0166798	1.098888
5503000000	2.775073511	0.523598776	2.633919606	-0.648072124	1.306853022	-0.675475702	1.8339689	0.861376	1.3510932	0.855579	0.883484
5503000000	2.775073511	0.575958653	2.506127611	-1.985901259	1.637222929	-1.852392529	1.7807902	0.633009	1.4578815	0.6527708	0.5305095
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5503000000	2.879793266	-1.09557429	3.986273337	-2.229730576	2.149918237	-3.521744072	2.5039597	0.5984487	1.6405589	0.4444527	-1.1289142
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5503000000	2.879793266	-0.942477796	4.259214404	-10.9602731	2.788232736	-4.996483932	2.6663763	0.0801628	1.9003048	0.3164839	-0.9371297
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5503000000	2.879793266	-0.104719755	0.505211415	1.556728103	0.977980808	2.292377401	1.1233657	1.4311093	1.2525587	1.6952656	-1.3848421
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5503000000	2.879793266	0.471238898	2.62401058	0.196176918	0.849357686	0.143297032	1.8297892	0.9558336	1.2160061	1.0335457	-0.9995455
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5503000000	2.932153143	0.471238898	2.512789381								

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5503000000	2.984513021	-3.089232776	-20.21277593	-28.04152055	-15.18129905	-19.32498954	0.0095219	0.0015698	0.0303298	0.0116816	-18.769402
5503000000	2.984513021	-3.036872899	-15.79812442	-21.33991127	-10.03971601	-14.22314428	0.026314	0.0073453	0.0625214	0.0378169	-14.749631
5503000000	2.984513021	-2.984513021	-12.9260392	-21.43913316	-10.10648892	-10.69355821	0.0509796	0.0071794	0.0975778	0.0852401	-12.200846
5503000000	2.984513021	-2.932153143	-11.77958665	-18.08371902	-9.167580437	-8.791086219	0.0663806	0.0155463	0.1211273	0.1320965	-10.768198
5503000000	2.984513021	-2.879793266	-12.29970895	-13.45770262	-8.579140527	-7.880509878	0.0588883	0.0451055	0.138703	0.1629105	-9.993541
5503000000	2.984513021	-2.827433388	-14.48580796	-11.99933001	-8.361898426	-6.977904361	0.0355975	0.0631055	0.1458177	0.2005439	-9.5363697
5503000000	2.984513021	-2.775073511	-17.62806237	-13.90594847	-8.971267636	-7.5149324	0.0172661	0.0406823	0.1267282	0.2682625	-9.4601977
5503000000	2.984513021	-2.722713633	-17.81840761	-21.23315533	-8.132327095	-7.23054533	0.0165257	0.0075281	0.0948101	0.3301165	-9.4983263
5503000000	2.984513021	-2.670353756	-14.97305576	-19.21890246	-10.78610042	-4.841103626	0.0318196	0.0119704	0.0834429	0.3280119	-9.4381492
5503000000	2.984513021	-2.617993878	-12.01786914	-12.29882068	-10.10169841	-5.645568043	0.0628367	0.0589004	0.0976855	0.2725481	-9.101208
5503000000	2.984513021	-2.565634	-9.405096211	-9.302266235	-9.431578845	-6.309775339	0.1146807	0.1174285	0.1139835	0.2338958	-8.3864059
5503000000	2.984513021	-2.513274123	-7.583324112	-7.940689388	-9.130962339	-6.089857827	0.1744486	0.1606686	0.1221529	0.2460448	-7.5491013
5503000000	2.984513021	-2.460914245	-6.891751335	-7.553557241	-8.704013224	-5.526670015	0.204562	0.1756484	0.1347717	0.2801128	-7.0164102
5503000000	2.984513021	-2.408554368	-7.310656986	-7.973590155	-8.143213394	-5.086794047	0.1857523	0.159456	0.1533482	0.3099707	-6.9436533
5503000000	2.984513021	-2.35619449	-8.160358298	-8.95877728	-7.972130068	-4.580648108	0.152744	0.1270932	0.1595097	0.3482853	-7.0573654
5503000000	2.984513021	-2.303834613	-8.045489115	-9.683936748	-8.125802304	-3.8757052	0.1568379	0.107549	0.1539642	0.4096656	-6.8402089
5503000000	2.984513021	-2.251474735	-7.071351678	-9.367277602	-7.756638463	-3.195272186	0.1962749	0.1156837	0.167624	0.4791514	-6.2036184
5503000000	2.984513021	-2.199114858	-6.72763844	-8.655890406	-6.96968049	-2.724077044	0.2124399	0.1362734	0.2139508	0.5340628	-5.6196151
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5503000000	2.984513021	-2.094395102	-9.808018634	-8.997706812	-5.051664427	-2.115698642	0.1045197	0.125959	0.3124882	0.6143702	-5.3860313
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5503000000	2.984513021	-1.93731547	-6.268043678	-17.03579547	-3.38389511	-2.106559079	0.2361542	0.0197888	0.4530656	0.6156645	-4.7995129
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5503000000	2.984513021	-1.570796327	-3.002332543	-2.609718708	-0.734368926	-4.332896826	0.5009181	0.5483125	0.8444289	0.5340628	-2.7479231
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5503000000	2.984513021	-1.361356817	1.17670332	-1.997956479	-0.325855157	-3.97378673	1.3112042	0.6312543	0.9277233	0.4005173	-0.871494
5503000000	2.984513021	-1.308996939	1.955323535	-2.313949429	-0.011117109	-3.823549043	1.5686728	0.5869553	0.9974435	0.4146151	-0.4967329
5503000000	2.984513021	-1.256637061	2.513761818	-2.601275324	0.08428343	-3.74184276	1.7839233	0.5493795	1.1189852	0.4224893	-0.1381324
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5503000000	2.984513021	-0.890117919	4.327993314	-13.72118455	2.683173028	-3.83736642	2.7089397	0.0424504	1.8548863	0.4145972	0.9871929
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5503000000	2.984513021	-0.157079633	0.546808767	0.843781768	0.920307431	1.792545315	1.3417771	1.2144459	1.2360349	1.5109654	1.0513733
5503000000	2.984513021	-0.104719755	0.498875758	1.524375982	0.962122853	2.313005363	1.121728	1.4204881	1.2479934	1.7033368	1.377928
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5503000000	2.984513021	0.104719755	1.407203148	0.492117592	1.257385711	1.985524054	1.3826755	1.1199838	1.3357912	1.5796192	1.3178461
5503000000	2.984513021	0.157079633	1.608818105	0.191825358	1.171604312	1.931898255	1.4483776	1.0519936	1.2934821	1.5602343	1.2661944
5503000000	2.984513021	0.20943951	1.793888652	0.278882078	1.096013109	2.12570295	1.5114677	1.0663216	1.2870675	1.631437	1.3800994
5503000000	2.984513021	0.261799388	1.951962771	0.579565217	1.161144927	2.139572177	1.5674593	1.1427639	1.3065153	1.6366553	1.5024925
5503000000	2.984513021	0.314159265	2.094914796	0.833593467	1.15766674	1.695465207	1.6199122	1.2116002	1.3054693	1.4775647	1.4725469
5503000000	2.984513021	0.366519143									

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5503000000	2.984513021	3.141592654	-24.03857038	-21.42039349	-18.06654231	-21.99383251	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
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5503000000	3.036872899	-2.722713633	-15.90741131	-20.85112188	-10.70066327	-5.053058954	0.0256601	0.0082203	0.0851008	0.1323878	-9.6721099
5503000000	3.036872899	-2.670353756	-13.7399569	-19.46418334	-11.28299549	-5.1703825	0.0422673	0.011331	0.0744218	0.3040617	-9.6651196
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5503000000	3.036872899	-2.565634	-8.844403288	-9.387720656	-8.879458052	-6.819555739	0.1304847	0.1151405	0.1294357	0.2079909	-8.3635281
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5503000000	3.036872899	-1.72787596	-5.95199772	-5.476681654	-1.957752092	-3.833454025	0.2539804	0.2833556	0.6371252	0.4136705	-4.0117345
5503000000	3.036872899	-1.675516082	-4.370946364	-4.187872243	-1.353367294	-4.265800868	0.3655151	0.3812526	0.7322565	0.3744725	-3.4068619
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5503000000	3.036872899	-1.570796327	-2.809356124	-2.677263465	-0.785791777	-5.136448393	0.5236781	0.5398507	0.8344894	0.3064468	-2.5875678
5503000000	3.036872899	-1.518436449	-1.933817577	-1.986003931	-0.718124029	-5.143554072	0.6406462	0.632994	0.8475935	0.3059459	-2.1695809
5503000000	3.036872899	-1.466076572	-0.861445705	-1.396600243	-0.652872647	-4.72654928	0.8200785	0.7250033	0.8604244	0.3367791	-1.6394736
5503000000	3.036872899	-1.413716694	-0.139290165	-1.113759252	-0.526748248	-4.100945231	1.0325926	0.7737917	0.8885786	0.3898605	-1.133509
5503000000	3.036872899	-1.361356817	0.907023772	-1.276703237	-0.287109478	-3.570201158	1.2322601	0.7452975	0.9360285	0.4395213	-0.7661254
5503000000	3.036872899	-1.308996939	1.464311559	-1.867426765	-0.112511715	-3.287895075	1.4009775	0.650515	1.0262453	0.4690407	-0.5222593
5503000000	3.036872899	-1.256637061	1.931591516	-2.656007393	0.648727002	-3.148649348	1.5601241	0.5424994	1.1611082	0.484323	-0.2825407
5503000000	3.036872899	-1.204277184	2.420332672	-3.2945252	2.170647282	-2.884390996	1.7459559	0.4683251	1.32058	0.514708	0.0534882
5503000000	3.036872899	-1.151917306	2.954491637	-3.71852466	1.665533011	-2.409888415	1.9744637	0.4247638	1.4674162	0.5741312	0.4539877
5503000000	3.036872899	-1.099557429	3.468168315	-4.33582641	1.671151066	-2.0058552	2.2223724	0.3686733	1.5762007	0.6302915	0.7895842
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5503000000	3.036872899	-0.994837674	4.112742113	-7.883368996	2.340031028	-2.515353477	2.5779483	0.1628033	1.7139696	0.5603586	0.982177
5503000000	3.036872899	-0.942477796	4.189953995	-10.31844442	2.48515864	-3.111016211	2.6241907	0.092299	1.7722128	0.488538	0.9498639
5503000000	3.036872899	-0.890117919	4.129354979	-10.43896345	2.559728022	-3.163357263	2.5878285	0.0903865	1.8029048	0.4826855	0.9375476
5503000000	3.036872899	-0.837758041	3.961600762	-8.524728301	2.348499801	-2.728962116	2.4897749	0.1404518	1.771356	0.5334624	0.9124696
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5503000000	3.036872899	-0.733038286	3.431965726	-4.94214554	1.999096333	-2.40729211	2.2039238	0.3204686	1.5845634	0.5744745	0.6850407
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5503000000	3.036872899	-0.628318531	2.944051662	-3.395890573	1.923161662	-2.289288961	1.969723	0.4575209	1.5570988	0.5902977	0.5828967
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5503000000	3.036872899	-0.471238898	2.92996538	-2.496101484	1.984487626	-1.50034721	1.9633446	0.5628463	1.5792423	0.7078892	0.8038496
5503000000	3.036872899	-0.41887902	2.898472424	-0.798611897	1.727468723	-0.458844187	1.9491589	0.8320297	1.4884933	0.899737	1.1138173
5503000000	3.036872899	-0.366519143	2.659644523	0.324115328	1.440369155	0.40112993	1.8448644	1.0774857	1.3932752	1.0990387	1.3151153
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5503000000	3.036872899	-0.261799388	1.561374655	0.335645544	1.048608255	0.969625167	1.4326413	1.0830502	1.273095	1.2501511	1.0024642
5503000000	3.036872899	-0.20943951	0.962891609	0.299349678	0.930392341	1.279512168	1.2482143	1.0713589	1.2389085	1.3425029	0.8822334
5503000000	3.036872899	-0.157079633	0.585097319	0.860787324	0.67683321	1.842076669	1.1442205	1.2912106	1.2237236	1.1572518	1.0588526
5503000000	3.036872899	-0.104719755	0.518231859	1.514348109	0.949671974	2.327601905	1.1267386	1.417212	1.2444206	1.7090713	1.3810071
5503000000	3.036872899	-0.052359878	0.695636059	1.157118085	1.143253671	2.627997791	1.1737176	1.4966425	1.301144	1.8314669	1.6159063
5503000000	3.036872899	-4.44E-16	0.959000575	1.507444245	1.327627839	2.623026887	1.2470965	1.4149609	1.3575717	1.8293748	1.6502192
5503000000	3.036872899	0.052359878	1.187317872	0.995135983	1.362343818	2.364638178	1.3144128	1.2575162	1.3682095	1.7118426	1.5014071
5503000000	3.036872899	0.104719755	1.363053001	0.487674608	1.235019433	1.986409378	1.3686906	1.1188387	1.3289295	1.5799412	1.3004415
5503000000	3.036872899	0.151942148	1.519421418	0.201364841	0.834692479	1.912617409	1.4188685	1.0474577	1.2833554	1.5533229	1.22462
5503000000	3.036872899	0.20943951	1.671760975	0.263653956	1.048714324	2.096058632	1.469522	1.0625892	1.2731261	1.6203389	1.3238588
5503000000	3.036872899	0.261799388	1.82012								

5503000000	3.036872899	2.984513021	-20.58840612	-18.84148949	-18.22482067	-23.36198923	0.0087329	0.0130572	0.0150494	0.0046111	-19.845295
5503000000	3.036872899	3.036872899	-24.09668123	-16.29732394	-19.08307638	-21.29271437	0.0038934	0.0234567	0.0123507	0.0074255	-19.287954
5503000000	3.036872899	3.089232776	-25.74431028	-16.11053991	-19.14109913	-20.91201636	0.0026642	0.0244876	0.0121843	0.0081058	-19.258974
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5503000000	3.089232776	-3.089232776	-19.5508237	-28.73810284	-15.68133917	-19.23050024	0.0110896	0.0013372	0.02703	0.0119385	-18.911363
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5503000000	3.089232776	-2.984513021	-12.13873381	-23.10731312	-10.42320386	-10.52917248	0.061112	0.0408895	0.0907151	0.0885284	-12.124597
5503000000	3.089232776	-2.932153143	-10.72786204	-17.79597624	-9.510188668	-8.57258257	0.0845695	0.0166113	0.1119389	0.1389126	-10.554775
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5503000000	3.089232776	-2.775073511	-13.93938095	-12.54444581	-9.391370706	-6.071539799	0.0403703	0.0556616	0.1150437	0.2470848	-9.4104246
5503000000	3.089232776	-2.722713633	-14.33351962	-19.13013234	-10.96641308	-5.381113173	0.0368679	0.0122176	0.0800495	0.2896601	-9.8005839
5503000000	3.089232776	-2.670353756	-12.65142094	-19.68066126	-11.54421181	-5.568226289	0.0543073	0.010763	0.0700775	0.2774453	-9.8653802
5503000000	3.089232776	-2.617993878	-10.5085176	-12.41994829	-9.911127173	-6.582428022	0.0889505	0.0572803	0.1020675	0.2196631	-9.31805
5503000000	3.089232776	-2.565634	-9.051867512	-9.769188289	-8.381486444	-7.179160299	0.124398	0.1054584	0.1451615	0.1914626	-8.4887508
5503000000	3.089232776	-2.513274123	-8.81347676	-9.346469602	-7.680697971	-6.105189572	0.1314172	0.1162393	0.1705808	0.2451777	-7.8027463
5503000000	3.089232776	-2.460914245	-9.956565946	-10.46344258	-7.31420021	-4.531506897	0.1010051	0.0898785	0.1856778	0.3522486	-7.3944565
5503000000	3.089232776	-2.408554368	-11.43797439	-12.56953351	-6.951135902	-3.474382252	0.0718129	0.055341	0.2017839	0.4493262	-7.1093307
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5503000000	3.089232776	-1.93731547	-7.0302741	-16.39660666	-3.994567031	-3.037616007	0.1981402	0.0229266	0.3986055	0.496865	-5.5418676
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5503000000	3.089232776	-1.780235837	-6.426902802	-9.429991641	-2.13746391	-4.070565884	0.2276721	0.1140252	0.6112989	0.3916908	-4.7343879
5503000000	3.089232776	-1.72787596	-4.773702857	-7.060621148	-1.377878838	-4.410323143	0.3331422	0.1967605	0.7281354	0.3622216	-3.9247685
5503000000	3.089232776	-1.675516082	-3.941511835	-3.365150103	-0.684929038	-4.621126082	0.4035409	0.2908607	0.8540968	0.3450543	-3.2479087
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5503000000	3.089232776	-1.570796327	-3.02551847	-2.705782883	-0.182269739	-4.62065693	0.498251	0.5363172	0.9958021	0.3450951	-2.2631195
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5503000000	3.089232776	-1.466076572	-1.119866767	-0.68652594	0.128479533	-3.702556256	0.7727043	0.8537828	1.0300254	0.4263285	-1.1310886
5503000000	3.089232776	-1.4137116694	-0.380629763	-0.249799434	0.259201099	-3.02274482	0.9160876	0.9441045	1.0615003	0.4985693	-0.6800606
5503000000	3.089232776	-1.361356817	0.100763878	-0.347114449	0.465933853	-2.488679803	1.023473	0.9231846	1.1132517	0.563809	-0.4290555
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5503000000	3.089232776	-0.680678408	2.792179759	-3.756711623	1.789365735	-2.146118473	1.9020327	0.4210453	1.5098596	0.6100819	-0.4561823
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5503000000	3.089232776	-0.366519143	2.66193248	-0.451814336	1.20878656	-0.439233977	1.8458366	1.1096383	1.3209265	1.1089792	-1.2915641
5503000000	3.089232776	-0.314159265	2.192171127	-0.808386907	1.0057100391	-0.829580099	1.6565979	1.2045884	1.2605818	1.2104811	-1.2485045
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5503000000	3.089232776	-0.20943951	1.027665721	-0.427655271	0.831164845	-1.29207624	1.2669707	1.1034827	1.2109229	1.345946	-0.9055097
5503000000	3.089232776	-0.157079633	0.647767872	-0.892334706	0.813470953	-1.834740953	1.1608518	1.2278165	1.2094115	1.5257174	-1.0753194
5503000000	3.089232776	-0.104719755	0.551519217	-1.50839456	0.934464874	-2.344929201	1.1354079	1.4152705	1.2400708	1.7159037	-1.3882772
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5503000000	3.089232776	-4.44E-16	0.959000772	-1.507444136	1.372627778	-2.623026815	1.2470965	1.4149608	1.3575717	1.8293748	-1.6502191
5503000000	3.089232776	0.052359878	1.178257418	-1.000036321	1.349246979	-2.341633293	1.3116735	1.2589359	1.3634366	1.714602	-1.4995448
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5503000000	3.089232776	0.157079633									

5503000000	3.089232776	2.879793266	-16.97424504	-11.0482758	-23.58112864	-12.68725884	0.0200713	0.0785547	0.0043842	0.053861	-14.065168
5503000000	3.089232776	2.932153143	-17.88199725	-14.3266168	-19.60679927	-18.3273001	0.0162855	0.0369265	0.0109476	0.0146984	-17.052142
5503000000	3.089232776	2.984513021	-20.20977453	-18.92892611	-18.50973612	-24.31101096	0.0095285	0.012797	0.0140937	0.0037059	-19.986436
5503000000	3.089232776	3.036872899	-24.15937392	-16.3706549	-18.92493052	-22.15474994	0.0038376	0.023064	0.0128088	0.0060887	-19.4212032
5503000000	3.089232776	3.089232776	-26.35826492	-16.10855764	-16.10855764	-21.25919374	0.002313	0.024988	0.0128074	0.0074831	-19.290181
5503000000	3.089232776	3.141592654	-24.03857017	-21.4203934	-18.06654234	-21.99383232	0.0039459	0.0072104	0.0156079	0.0063185	-20.82458
5835000000	0	-3.141592654	-21.91534299	-22.79366719	-20.12386043	-23.55774188	0.0064338	0.0052557	0.0097188	0.0400778	-10.216158
5835000000	0	-3.089232776	-19.97005277	-22.65805016	-18.35731601	-21.4958626	0.0100692	0.0054224	0.0145972	0.0070862	-20.31809
5835000000	0	-3.036872899	-16.52709503	-21.64181885	-17.92964679	-20.61282173	0.022248	0.006852	0.0161078	0.008684	-18.70358
5835000000	0	-2.984513021	-12.52829225	-15.76671025	-19.55431381	-16.71161306	0.055869	0.0265051	0.0110807	0.0213225	-15.422039
5835000000	0	-2.932153143	-9.914525372	-12.61412211	-20.83250217	-14.4980533	0.1019876	0.0547757	0.0082556	0.0534972	-12.999106
5835000000	0	-2.879793266	-9.061475586	-12.31082719	-16.89300201	-15.20031608	0.1241231	0.0587377	0.0204503	0.0301973	-12.337574
5835000000	0	-2.827433388	-9.591972923	-12.80710592	-13.86840588	-14.44156904	0.1098507	0.0523949	0.0410355	0.0359619	-12.232207
5835000000	0	-2.775073511	-10.40280589	-10.43857405	-12.78750268	-12.12107966	0.0911422	0.0903946	0.052632	0.0613609	-11.314588
5835000000	0	-2.722713633	-10.6827959	-7.793738428	-12.03869668	-12.57939172	0.0854516	0.1662119	0.062536	0.0552155	-10.345454
5835000000	0	-2.670353756	-10.6575614	-6.92980324	-10.51039307	-17.49120525	0.0859496	0.2027775	0.0889009	0.0178188	-10.049719
5835000000	0	-2.617993878	-9.538802435	-7.606552947	-9.392971482	-18.89871412	0.1112038	0.1735181	0.1150013	0.0128863	-0.7655128
5835000000	0	-2.565634	-7.517905637	-8.300400557	-9.624365203	-11.60983345	0.1770963	0.1478972	0.1090344	0.0690266	-9.0044496
5835000000	0	-2.513274123	-5.997700627	-7.376655103	-10.97735754	-7.680397262	0.2513217	0.1829509	0.079848	0.1705926	-7.6651528
5835000000	0	-2.460914245	-5.19744831	-6.160567821	-11.94358886	-5.341601461	0.3021727	0.2420713	0.0639206	0.2923074	-6.4758979
5835000000	0	-2.408554368	-4.818471737	-5.863997482	-11.22326973	-4.129919558	0.3297257	0.2591793	0.0754524	0.3863741	-5.8056823
5835000000	0	-2.35619449	-4.941220535	-6.370938616	-9.668048243	-4.07382753	0.3205368	0.2306249	0.1079432	0.3914454	-5.8064313
5835000000	0	-2.303834613	-5.978481969	-6.90778117	-7.973622661	-5.31542133	0.2524363	0.204046	0.1594549	0.2940937	-6.4300383
5835000000	0	-2.251474735	-8.026267614	-6.847065522	-6.4945919	-8.037655131	0.1755336	0.2066776	0.2241579	0.1571211	-7.2961806
5835000000	0	-2.214914858	-9.732465449	-6.480703331	-5.549932251	-12.02556325	0.1063539	0.224869	0.2786165	0.0627254	-7.7432583
5835000000	0	-2.14675498	-9.511715444	-6.062347988	-5.163914324	-14.0039903	0.1118996	0.2476083	0.3045149	0.0397742	-7.5461261
5835000000	0	-2.094395102	-9.182781448	-5.369822852	-4.926107345	-12.36385996	0.1270741	0.2904141	0.3216542	0.0580248	-7.0399485
5835000000	0	-2.042035225	-9.312763011	-4.458849143	-4.247646482	-11.2824659	0.117145	0.3581913	0.3760411	0.0744309	-6.3553888
5835000000	0	-1.989675347	-8.273897718	-3.83541853	-3.144389454	-11.53797407	0.1488025	0.1735181	0.4847983	0.0701783	-5.5390747
5835000000	0	-1.93731547	-6.276472074	-3.864139985	-2.155374392	-12.79955248	0.2356963	0.410758	0.6087831	0.0524862	-4.8554406
5835000000	0	-1.884955592	-4.794026001	-4.552625249	-1.593824886	-14.19562695	0.3315869	0.3505399	0.6928154	0.0380572	-4.5191801
5835000000	0	-1.832595715	-4.135892653	-5.487329185	-1.42397905	-13.26349884	0.3858431	0.2826618	0.7204471	0.0471683	-4.4486918
5835000000	0	-1.780235837	-3.83009075	-5.818469835	-1.433634929	-9.513902645	0.413991	0.2619106	0.7188471	0.1118432	-4.2406436
5835000000	0	-1.72787596	-3.245416796	-5.18803198	-1.434670388	-5.811565141	0.4736508	0.3028285	0.7186757	0.2623273	-3.5716901
5835000000	0	-1.675516082	-2.441552243	-4.284033423	-1.433648458	-3.163361938	0.5099605	0.3729037	0.7188448	0.482685	-2.707554
5835000000	0	-1.623156204	-1.831532527	-3.65202147	-1.588589507	-1.497286587	0.6559138	0.4313183	0.6936511	0.7083882	-2.0598775
5835000000	0	-1.570796327	-1.429952514	-3.28270348	-2.006074965	-0.486984832	0.7194614	0.4696017	0.6300754	0.8939259	-1.685999
5835000000	0	-1.518436449	-0.938188541	-2.929975071	-2.622158434	-0.219185464	0.8057144	0.5099338	0.5467442	1.0517646	-1.3763647
5835000000	0	-1.466076572	-0.139446569	-2.436709565	-3.225955373	-0.811729331	0.9684013	0.5705964	0.4757781	1.2055159	-0.9416478
5835000000	0	-1.4137116694	0.806219069	-1.883546473	-3.582867168	1.210347695	1.2039873	0.648105	0.4382413	1.3214014	-0.4434412
5835000000	0	-1.361356817	1.587547855	-1.466517146	-3.574536588	1.162529338	1.4413013	0.713429	0.4390827	1.3069318	-0.109129
5835000000	0	-1.308996939	2.136139519	-1.727960476	-0.452895004	0.452895003	0.452895003	0.7459401	0.4750616	1.1099144	-0.0367681
5835000000	0	-1.256637061	2.607033373	-1.170192528	-2.672671522	-0.923925017	1.8262502	0.7638019	0.5404218	0.808365	-0.0708888
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5835000000	0	-1.151917306	3.538157348	-0.411345792	-1.42819024	-4.097230786	2.2584773	0.9096314	0.7197488	0.3892933	-0.2909457
5835000000	0	-1.099557429	3.751375265	0.088880804	-0.914469786	-5.183609139	2.3721248	1.0206593	0.8101268	0.3031371	-0.5713582
5835000000	0	-1.047197551	3.67636399	0.233662624	-0.508515932	-6.223722148	2.3315052	1.0773734	0.889505	0.2385766	-0.5470999
5835000000	0	-0.994837674	3.399754974	0.233981767	-0.22822679	-17.165828053	2.1876383	1.055354	0.9488059	0.1920513	-0.3979563
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5835000000	0	-0.785398163	1.907613758	-1.913596565	-0.302326259	-2.17697667	1.5515343	0.643636	0.9327545	0.5926936	-0.3144886
5835000000	0	-0.733038286	1.419452993	-3.60198202	-0.257580562	-0.608825149	1.3865812	0.4363167	0.9424145	0.8691955	-0.4161348
5835000000	0	-0.680678408	1.024277055	-4.725929444	-0.121425891	0.174682358	1.2659825	0.3682671	0.9724279	1.041042	-0.43798
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5835000000	0	-0.366519143	0.258007192	-0.831446634	-0.148504351	1.6194245	1.0612085	0.8257628	0.9663836	1.4519192	0.3194082
5835000000	0	-0.314159265	0.654004616	-0.508182488	-0.442319118	0.765981844	1.1625201	0.8895733	0.9031671	1.1928389	0.1579387
5835000000	0	-0.261799388	0.939732018	-0.705507807	-0.901159563	0.121732871	1.2415757	0.8500594	0.8126067	1.0284266	-0.0737266
5835000000	0	-0.20943951	0.987371734	-0.882213219	-1.3640705	0.820051939	1.2552701	0.8161663	0.7304541	1.2078283	0.0105393
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5835000000	0	3.089232776	-22.58487274	-25.09408037	-20.76514598	-16.23767676	0.0055146	0.0030945	0.0083847	0.0737811	-19.916674
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5835000000	0.052359878	-2.513274123	-7.896266841	-7.289694816	-9.97932586	-8.121297181	0.1623205	0.1866591	0.1047627	0.154124	-8.182765
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5835000000	0.052359878	-1.93731547	-8.394019205	-3.350543618	-2.139583126	-12.22597709	0.1447432	0.4623231	0.6110007	0.0589866	-4.9554151
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5835000000	0.052359878	0.20943951	1.027251613	-0.643007313	-1.01940456	0.896654669	1.2668499	0.8623812	0.7908533	1.2293215	-0.1592593
5835000000	0.052359878	0.157079633									

5835000000	0.104719755	2.565634	-9.973149149	-11.78043152	-9.498464348	-4.104464653	0.1006202	0.0663677	0.1122415	0.3886454	-7.7736492
5835000000	0.104719755	2.617993878	-14.16665203	-15.19920787	-10.12375177	-5.455776382	0.038312	0.030205	0.0971907	0.2847229	-9.4843208
5835000000	0.104719755	2.670353756	-13.93803616	-13.47502383	-11.3778878	-6.537203069	0.0403828	0.0429426	0.0277968	0.2219675	-10.221986
5835000000	0.104719755	2.722713633	-13.04294391	-10.10317663	-12.90824661	-7.198267648	0.0496256	0.0976523	0.0511888	0.1906221	-10.120113
5835000000	0.104719755	2.775073511	-13.96700001	-8.663786336	-13.79575469	-7.779962646	0.0401144	0.1360258	0.0417277	0.1667261	-10.170574
5835000000	0.104719755	2.827433388	-15.15005249	-9.263144285	-13.78931095	-7.970650557	0.0305488	0.1184911	0.0417897	0.159564	-10.575039
5835000000	0.104719755	2.879793266	-14.20120895	-12.11372172	-13.79665952	-7.817165172	0.0380084	0.061465	0.041719	0.165304	-11.156346
5835000000	0.104719755	2.932153143	-13.1129421	-17.94721274	-13.75766436	-7.982775189	0.0488321	0.0160427	0.0348525	0.1591192	-11.890177
5835000000	0.104719755	2.984513021	-13.92921258	-25.42600527	-16.44609753	-8.86636446	0.0404649	0.0028668	0.0226668	0.1229824	-13.101898
5835000000	0.104719755	3.036872899	-17.33058977	-25.63629462	-19.27035334	-11.11821649	0.0184902	0.0027313	0.0118295	0.0772998	-15.592848
5835000000	0.104719755	3.089232776	-22.36625445	-25.79937607	-21.30258426	-16.17805008	0.0057993	0.0026306	0.0074087	0.0241099	-20.005595
5835000000	0.104719755	3.141592654	-21.91534299	-22.79366707	-20.12386004	-23.55774193	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.157079633	3.141592654	-21.91534324	-22.7936671	-20.12386001	-23.55774181	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.157079633	3.089232776	-19.48931765	-21.86765443	-18.08478899	-21.81356764	0.0112478	0.0065048	0.0155425	0.0065863	-20.012889
5835000000	0.157079633	3.036872899	-17.14551107	-21.26046126	-17.32975899	-20.35914317	0.0192952	0.0074809	0.0184937	0.0092063	-18.658539
5835000000	0.157079633	2.984513021	-14.05689474	-16.00294168	-18.03812241	-16.18238568	0.0392926	0.0251019	0.0157104	0.0240858	-15.842312
5835000000	0.157079633	2.932153143	-11.464377	-12.79506568	-17.86851259	-14.7209689	0.0713777	0.0525404	0.016336	0.0337212	-13.615725
5835000000	0.157079633	2.879793266	-10.25320752	-12.15669191	-15.18026641	-17.18746167	0.0943364	0.0608598	0.0303371	0.0191907	-12.910631
5835000000	0.157079633	2.827433388	-10.64536547	-12.18360826	-13.10976604	-14.91397115	0.0861913	0.0604838	0.0488679	0.0322554	-12.445092
5835000000	0.157079633	2.775073511	-12.38290569	-10.48518145	-12.36687558	-10.52804986	0.0577709	0.0894297	0.0579846	0.0885513	-11.34102
5835000000	0.157079633	2.722713633	-14.18130316	-8.747028086	-11.75724837	-9.785339752	0.038183	0.1334434	0.0667229	0.1056669	-10.662391
5835000000	0.157079633	2.670353756	-14.62467816	-8.478052682	-10.37487194	-12.8167508	0.0344772	0.1419694	0.0917303	0.0522787	-10.962921
5835000000	0.157079633	2.617993878	-14.70321032	-9.152769784	-9.090387737	-19.88523774	0.0338594	0.1215411	0.1232995	0.1026768	-11.412107
5835000000	0.157079633	2.565634	-14.79955985	-8.922956528	-8.620925267	-13.99927943	0.0331162	0.1281458	0.1373471	0.0398173	-10.725612
5835000000	0.157079633	2.513274123	-13.50677846	-7.674238164	-8.88948054	-8.964687949	0.0458974	0.1807635	0.1291267	0.1269203	-9.855932
5835000000	0.157079633	2.460914245	-10.78861708	-7.008781225	-9.461426435	-6.398538998	0.0833947	0.1991232	0.1132028	0.2291638	-8.062619
5835000000	0.157079633	2.408554368	-8.137173482	-7.280110016	-6.940055409	-5.309502104	0.1535616	0.1870635	0.1086409	0.2944759	-7.3063772
5835000000	0.157079633	2.35619449	-6.247152409	-7.703728624	-7.82526102	-5.493951224	0.2372929	0.1696786	0.1341984	0.2822311	-6.8648539
5835000000	0.157079633	2.30384613	-5.203304616	-7.340558269	-7.095004597	-6.797596283	0.3017655	0.1844778	0.1952071	0.2090453	-6.5242819
5835000000	0.157079633	2.251474735	-4.935128292	-6.667199261	-5.713774692	-8.680200808	0.3209868	0.215417	0.2683011	0.1355127	-6.2883158
5835000000	0.157079633	2.19114858	-5.333047273	-6.604134305	-4.706613503	-9.862123033	0.2928837	0.218568	0.3183748	0.1032255	-6.3215406
5835000000	0.157079633	2.14675498	-6.108300746	-7.182927833	-4.745249944	-9.439537821	0.2450022	0.1912966	0.335532	0.1137748	-6.5491773
5835000000	0.157079633	2.094395102	-6.639700645	-7.265437518	-4.612088112	-8.312677337	0.2167854	0.1876965	0.3457731	0.1474797	-6.4891199
5835000000	0.157079633	2.042035225	-6.514397818	-5.930013723	-4.103825734	-7.589131458	0.2231312	0.2552693	0.3887026	0.1742155	-5.8447637
5835000000	0.157079633	1.986756347	-6.116908566	-4.215340044	-3.177934297	-7.761181391	0.244517	0.3784899	0.4810681	0.1674487	-4.9761291
5835000000	0.157079633	1.93731547	-5.975692949	-2.976974742	-2.191971201	-8.616969697	0.2525985	0.5038515	0.6036746	0.1313116	-4.2845535
5835000000	0.157079633	1.884955592	-6.212524952	-2.239053465	-1.429304371	-9.464738974	0.2391925	0.5971654	0.7196089	0.1129864	-3.7961584
5835000000	0.157079633	1.832595715	-6.259333741	-1.752861099	-0.940628884	-7.524776698	0.2366283	0.6679038	0.8052618	0.1676813	-3.2637782
5835000000	0.157079633	1.780235837	-5.433335242	-1.323909645	-0.646393724	-4.595361678	0.2861979	0.7372402	0.861709	0.3471074	-2.5331628
5835000000	0.157079633	1.72787596	-4.364997599	-0.95562695	-0.548817373	-4.21582478	0.3601611	0.8024857	0.9005716	0.5737752	-1.799877
5835000000	0.157079633	1.675516082	-3.810240995	-0.765207167	-0.336605704	-1.141332618	0.4158875	0.8384541	0.9254213	0.7688945	-1.3243568
5835000000	0.157079633	1.623156204	-3.590544269	-0.79586586	-0.332458962	-0.570311041	0.4374673	0.8325559	0.9263052	0.876938	-1.1445978
5835000000	0.157079633	1.570796327	-2.952758996	-0.942821866	-0.513979647	-0.432383715	0.5066867	0.8048553	0.8883867	0.9052356	-1.0997792
5835000000	0.157079633	1.518436449	-1.62221395	-1.039217074	-0.393536011	-0.491141936	0.6883013	0.7871877	0.8062393	0.8930706	-1.0034376
5835000000	0.157079633	1.466076572	-0.296955706	-1.018014508	-1.592018146	-0.670355829	0.9339087	0.7910402	0.6931036	0.8569676	-0.8864601
5835000000	0.157079633	1.4137116694	0.42129159	-0.980725551	-2.382384722	-1.089222494	1.101867	0.7978614	0.5777787	0.7781759	-0.8941789
5835000000	0.157079633	1.361356817	0.552292109	-1.086898066	-3.092322154	-1.824490579	1.13561	0.7785925	0.4906455	0.6569782	-1.1607947
5835000000	0.157079633	1.308996939	0.576763711	-1.383587519	-3.472807192	-2.515012782	1.142027	0.7271789	0.4492533	0.5604008	-1.4283946
5835000000	0.157079633	1.256637061	1.026674966	-1.728182378	-3.242650027	-2.4298633	1.2666817	0.6717099	0.4545012	0.5714966	-1.3012474
5835000000	0.157079633	1.2042777184	1.861409866	-1.89624359	-3.024134253	-1.7244437	1.5351153	0.6462129	0.4984098	0.6272284	-0.7675526
5835000000	0.157079633	1.151917306	2.535780388	-1.83002875	-2.411996477	-1.417004224	1.7299097	0.6561409	0.5738526	0.7216051	-0.286558
5835000000	0.157079633	1.099557429	2.699164454	-1.720427821	-1.69806861	-1.248618993	1.8617289	0.6721904	0.6763837	0.6097308	-0.1991094
5835000000	0.157079633	1.047197551	2.4596460292	-1.793144838	-0.981785855	-3.91739659	1.7618301	0.6617371	0.7976666	0.4057517	-0.4251416
5835000000	0.157079633	0.994837674	2.210998878	-2.068078428	-1.584801711	-5.673862101	1.6637953	0.6211438	0.9207717	0.2707783	-0.6091912
5835000000	0.157079633	0.942477796	2.191661326	-2.348011185	0.119208272	-5.858750759	1.6564035	0.5823698	1.0278289	0.2594926	-0.5476601
5835000000	0.157079633	0.890119719	2.197526637	-2.585117446	0.070215675	-5.037731135	1.586462	0.5514273	1.1143499	0.3134923	-0.4102086
5835000000	0.157079633	0.837758041	1.892846448	-3.170736675	0.760297027	-3.8936043	1.5462676	0.4818661	1.1914946	0.4075341	-0.42493
5835000000	0.157079633	0.785398163	1.220630677	-4.560241322	1.035813116	-2.581589535	1.3245339	0.3499257	1.2693498	0.5518754	-0.5852773
5835000000	0.157079633	0.733038286	0.536802794	-6.284879174	1.259434955	-1.7044167	1.131567	0.2352405	1.3364244	0.6753957	-0.7331966
5835000000	0.157079633	0.680678408	0.345911903	-5.821765096	1.327185139	-1.576066347	1.0829071	0.2617119	1.3574333	0.6956541	-0.7087414
5835000000	0.157079633	0.628318531	0.616684935	-3.541281999	-1.573794906	-1.509919489	1.1525731	0.4424577	1.2989113	0.7063306	-0.4572458
5835000000	0.157079633	0.575958653	0.819698099	-1.933471746	0.664182915	-1.507035582	1.2077299	0.6406972	1.1652478	0.8898083	-0.1067608
5835000000	0.157079633	0.523598776	0.663941415	-1.367953666	0.034524599	0.918468079	1.165183	0.7298013	1.0079813	1.2355115	0.1478057
5835000000	0.157079633	0.471238898	0.335890051	-1.285897591	-0.49670915	1.844847405	1.080411	0.7437213	0.8919265	1.529272	0.2585155
5835000000	0.157079633	0.41887902	0.240863693	-0.980203397	-0.719320333	2.017248364	1.0570277	0.7979573	0.84736	1.5912002	0.3075606
5835000000	0.157079633	0.366519143	0.509776672	-0.439161184	-0.69239338	1.456907093	1.1245471	0.903824	0.8526301	1.3985909	0.293424
5835000000	0.157079633	0.314159265	0.877595162	-0.167116506	-0.645792226	0.431783321	1.2240409	0.962251	0.8618284	1.1045321	0.1626557
5835000000	0.157079633	0.									

5835000000	0.157079633	2.460914245	-5.539939382	-6.772338587	-9.105723434	-4.156112438	0.2792583	0.2102646	0.1228649	0.3840509	-6.3060945
5835000000	0.157079633	2.513274123	-6.209557751	-8.099970155	-9.73427588	-3.596294334	0.2393559	0.1548827	0.1063096	0.4368885	-6.3011803
5835000000	0.157079633	2.565634	-8.566407987	-10.91995881	-10.1689756	-4.22351766	0.1391103	0.0809104	0.0961839	0.3781332	-7.6048921
5835000000	0.157079633	2.617993878	-11.82830005	-14.19668078	-10.67152114	-5.455715486	0.0656400	0.038048	0.0856738	0.2847269	-9.2620054
5835000000	0.157079633	2.670353756	-12.94461413	-12.54882197	-12.54882197	-6.466557283	0.050762	0.0556055	0.0683758	0.2256027	-9.9624524
5835000000	0.157079633	2.722713633	-12.73052585	-9.484797533	-12.9716954	-7.21876233	0.053327	0.1125953	0.0504464	0.1897247	-9.9343045
5835000000	0.157079633	2.775073511	-13.7505222	-8.217602404	-10.76322025	-7.903718712	0.0421646	0.1507439	0.0423037	0.1620422	-10.029913
5835000000	0.157079633	2.827433388	-15.16517091	-8.880952908	-13.67330679	-7.980987794	0.0304427	0.1293912	0.0429209	0.1591847	-10.43424
5835000000	0.157079633	2.879793266	-14.3366079	-11.6690361	-13.81963362	-7.750320915	0.0368417	0.0680926	0.0414989	0.167868	-11.047411
5835000000	0.157079633	2.932153143	-12.9938633	-17.11358578	-14.92174268	-8.007261988	0.0501896	0.0194375	0.0321978	0.1582245	-11.870041
5835000000	0.157079633	2.984513021	-13.54145165	-23.79776193	-17.12463421	-8.95833166	0.044244	0.0041708	0.0193882	0.1271062	-13.122275
5835000000	0.157079633	3.036872899	-16.78953593	-25.39351624	-20.0000968	-11.17277388	0.0209434	0.0028883	0.0099998	0.0763348	-15.600113
5835000000	0.157079633	3.089232776	-22.17769943	-26.17340284	-21.58335941	-16.16675519	0.0060566	0.0024136	0.0069449	0.0241727	-20.044995
5835000000	0.157079633	3.141592654	-21.91534324	-22.7936671	-20.12386001	-23.55774181	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.20943951	-3.141592654	-21.9153435	-22.79366707	-20.12386001	-23.557742	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.20943951	-3.089232776	-19.32711037	-21.59034366	-17.99852007	-21.92788029	0.0116759	0.0069337	0.0158543	0.0064152	-19.905583
5835000000	0.20943951	-3.036872899	-17.3585772	-21.0500395	-17.10735329	-20.32990251	0.0183714	0.0078523	0.0194655	0.0092685	-18.620318
5835000000	0.20943951	-2.984513021	-14.76115547	-16.12222941	-17.52371506	-16.15141857	0.0334106	0.0242418	0.017686	0.0242582	-16.030317
5835000000	0.20943951	-2.932153143	-12.29493889	-12.88834096	-17.21819749	-14.86794328	0.058953	0.051424	0.0189749	0.0325991	-13.926762
5835000000	0.20943951	-2.879793266	-11.00721049	-12.06538642	-14.93932699	-17.8652479	0.0793011	0.0621529	0.0320677	0.0163484	-13.236036
5835000000	0.20943951	-2.827433388	-11.3635201	-11.92565059	-13.13916081	-15.32973054	0.0730547	0.0641852	0.0485382	0.0293108	-12.694421
5835000000	0.20943951	-2.775073511	-13.35045281	-10.52733962	-12.52153755	-10.46673648	0.0462333	0.0886568	0.0559559	0.0898103	-11.540529
5835000000	0.20943951	-2.722713633	-15.03292948	-9.171446869	-12.05520887	-9.304287366	0.0313839	0.1210195	0.0622987	0.1173738	-10.808226
5835000000	0.20943951	-2.670353756	-13.31635881	-9.159415231	-10.79088587	-11.36673176	0.0465977	0.1213552	0.0833511	0.0730007	-10.911068
5835000000	0.20943951	-2.617993878	-11.37428633	-9.880650007	-9.440133459	-16.4965046	0.0278738	0.1027862	0.0214052	0.0224052	-11.081497
5835000000	0.20943951	-2.565634	-10.99214213	-9.426962437	-8.758860341	-14.65130758	0.0795767	0.1141048	0.1330804	0.0342665	-10.445188
5835000000	0.20943951	-2.513274123	-11.98526289	-8.107426039	-8.761491147	-9.20320214	0.0633102	0.1546171	0.1329998	0.1201378	-9.289729
5835000000	0.20943951	-2.460914245	-12.92837252	-7.543494321	-9.031751192	-6.188544737	0.0509522	0.1760559	0.1249755	0.2405169	-8.293172
5835000000	0.20943951	-2.408554368	-11.69702324	-7.893949043	-8.857336246	-5.036751827	0.0676547	0.1624071	0.1300967	0.313563	-7.7357957
5835000000	0.20943951	-2.35619449	-9.462229784	-8.152927471	-7.820927418	-5.535704696	0.1131819	0.1530056	0.1651609	0.2795307	-7.5026424
5835000000	0.20943951	-2.303834613	-7.775306917	-7.419861586	-6.454095166	-7.51951124	0.166905	0.1811398	0.2262088	0.1770308	-7.2625565
5835000000	0.20943951	-2.251474735	-6.936467896	-6.48093626	-5.445956479	-10.0034536	0.2024665	0.224857	0.2853674	0.0999205	-6.9217708
5835000000	0.20943951	-2.199114858	-6.969204196	-6.25798394	-5.017318572	-10.32210421	0.2009461	0.2367018	0.3149692	0.0928165	-6.749642
5835000000	0.20943951	-2.14675498	-7.729539172	-6.712136715	-5.011500579	-8.665784293	0.1686732	0.2102744	0.3153915	0.1359633	-6.8282375
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5835000000	0.20943951	-1.989675347	-6.621407481	-4.797422636	-3.543092515	-6.050346218	0.2177004	0.3313277	0.4422733	0.2482935	-5.0878019
5835000000	0.20943951	-1.93731547	-5.436043109	-3.538786372	-2.473447908	-6.880885481	0.2860195	0.4427121	0.5657899	0.2507044	-4.608574
5835000000	0.20943951	-1.884955592	-4.961959926	-2.68257968	-1.649516357	-6.138876801	0.3190908	0.5459768	0.683987	0.1535014	-3.7097904
5835000000	0.20943951	-1.832595715	-5.012439088	-1.912985807	-1.153762333	-7.861806736	0.3153233	0.6437265	0.766697	0.1636136	-3.2574517
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5835000000	0.20943951	-0.733038286	0.29187671	-6.407817746	1.104149261	-1.99805565	1.0695169	0.2286748	1.2709982	0.6309856	-0.968862
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5835000000	0.261799388	-0.575958653	0.618539511	-1.068017512	0.254879462	-0.978427241	1.1530654	0.7819847	1.0606887	0.7982837	-0.2296008
5835000000	0.261799388	-0.523598776	0.691441136	-0.582316833	-0.278367737	0.763440429	1.1725844	0.8745171	0.9379144	1.1924332	-0.1885118
5835000000	0.261799388	-0.471238898	0.53257734	-0.6							

5835000000	0.261799388	2.251474735	-5.837076941	-9.001943155	-9.927124903	-2.839526836	0.2607908	0.1258362	0.1016922	0.5200527	-5.9843927
5835000000	0.261799388	2.303834613	-6.930169845	-12.94949941	-9.238773842	-4.617482494	0.2027603	0.0507049	0.1191578	0.3453439	-7.4595593
5835000000	0.261799388	2.35619449	-8.516680607	-12.51785985	-8.671352804	-6.977610993	0.1407123	0.0560034	0.135789	0.2005575	-8.7528215
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5835000000	0.261799388	2.460914245	-9.506989098	-7.444284258	-8.90902157	-6.100457296	0.1120214	0.180124	0.1285577	0.2508457	-7.7515135
5835000000	0.261799388	2.513274123	-8.082008334	-7.929684071	-9.634001888	-4.831562898	0.1555246	0.1610763	0.1087927	0.3287333	-7.2461554
5835000000	0.261799388	2.565634	-7.98521635	-10.60486964	-8.13550644	-6.743902479	0.1590297	0.0869898	0.0929928	0.323608	-7.4615002
5835000000	0.261799388	2.617993878	-9.237012331	-14.62836449	-10.97454049	-5.383129279	0.1192062	0.034448	0.0798998	0.2895257	-8.8349216
5835000000	0.261799388	2.670353756	-10.87319784	-12.74370476	-11.95928314	-6.220059082	0.0817862	0.0531655	0.0636901	0.2387779	-9.6116172
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5835000000	0.261799388	2.775073511	-12.60100362	-8.104163541	-13.00405834	-8.458353952	0.0549414	0.1547332	0.0500719	0.1426148	-9.7744373
5835000000	0.261799388	2.827433388	-13.40787949	-8.808239789	-12.75468406	-8.028963035	0.045626	0.1315758	0.0530312	0.1574359	-10.135991
5835000000	0.261799388	2.879793266	-13.27091439	-11.46385921	-13.40259878	-7.52392228	0.0470878	0.0713862	0.0456815	0.1768511	-10.692973
5835000000	0.261799388	2.932153143	-12.30904531	-16.18970493	-15.42102358	-7.985902404	0.0587619	0.0240453	0.028701	0.1590046	-11.698722
5835000000	0.261799388	2.984513021	-12.68712501	-21.45823661	-18.64472424	-9.129519197	0.0538626	0.0071479	0.0136624	0.1221935	-13.078884
5835000000	0.261799388	3.036872899	-15.74728876	-24.69498552	-21.72321267	-11.30168927	0.0266239	0.0033924	0.0067248	0.0741022	-15.573509
5835000000	0.261799388	3.089232776	-21.69309016	-26.9697926	-22.14552224	-16.17745053	0.0067716	0.0020092	0.0061017	0.0241132	-20.110439
5835000000	0.261799388	3.141592654	-21.91534322	-22.79366736	-20.12386004	-23.55774205	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.314159265	-3.141592654	-22.79366707	-20.12386024	-23.557742		0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	0.314159265	-3.036872899	-17.71507437	-20.47222459	-16.69321012	-20.37241696	0.0169236	0.0089697	0.0214131	0.0091782	-18.501298
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5835000000	0.314159265	-2.932153143	-14.51370675	-13.1197655	-16.47476399	-15.10446709	0.0353695	0.0487555	0.0225213	0.0308712	-14.63702
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5835000000	0.366519143	-3.141592654	-21.91534319	-22.7936669	-20.12385994	-23.5577419	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	0.41887902	-0.942477796	0.744464745	-3.623322734	-1.126483369	0.631144906	1.1869884	0.4341779	0.7715279	1.1564171	-0.5194308
5835000000	0.41887902	-0.890117919	0.795836571	-2.859450317	-0.5739866	1.3400087	1.2011124	0.5176723	0.8761961	1.3614474	-0.0475669
5835000000	0.41887902	-0.837758041	0.717290136	-2.359136527	-0.174472191	0.917070148	1.1795844	0.5808799	0.9606226	1.2351139	-0.0478167
5835000000	0.41887902	-0.785398163	0.437133655	-2.389846616	-						

5835000000	0.41887902	1.93731547	-3.845847079	-6.869335439	-4.011851956	-3.013370698	0.4124918	0.2056205	0.3970222	0.4996466	-4.2171011
5835000000	0.41887902	1.989675347	-5.132077422	-6.696276929	-4.853904051	-3.174974102	0.3067554	0.2139796	0.3270466	0.4813961	-4.7847695
5835000000	0.41887902	2.042035225	-6.863688764	-6.24290154	-6.26898549	-3.508879449	0.205888	0.2375253	0.2361023	0.4557712	-5.5079675
5835000000	0.41887902	2.094395102	-7.167055813	-5.453218041	-8.247882068	-3.555553986	0.191997	0.2848906	0.1496966	0.4410061	-5.7365357
5835000000	0.41887902	2.14675498	-6.136996853	-4.755327961	-3.339250673	-3.339250673	0.2433886	0.3345548	0.0886233	0.4635269	-5.4894558
5835000000	0.41887902	2.199114858	-5.514100921	-4.523119953	-12.4092957	-3.099721029	0.2809247	0.3522995	0.057421	0.4898103	-5.2977867
5835000000	0.41887902	2.251474735	-5.496084133	-4.901928349	-12.86410047	-3.061004275	0.2820925	0.32345	0.0517118	0.4941964	-5.8017462
5835000000	0.41887902	2.303834613	-5.708516152	-5.845082528	-11.86839144	-3.549441304	0.2686262	0.2603105	0.065037	0.4416273	-5.8686753
5835000000	0.41887902	2.35619449	-6.201564525	-6.919659951	-10.53231542	-4.885090575	0.2397969	0.2032516	0.0884641	0.3240765	-6.6947511
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5835000000	0.41887902	2.460914245	-9.79701319	-7.151877624	-8.717913997	-8.315792286	0.1047849	0.1926692	0.134341	0.147374	-8.3925465
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5835000000	0.41887902	2.565634	-11.43249962	-11.04681464	-8.606042295	-5.924714458	0.0719035	0.0758812	0.1378465	0.255581	-8.6653121
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5835000000	0.41887902	2.670353756	-11.67260673	-17.6067329	-12.07381257	-5.837551171	0.0680361	0.0173511	0.0620324	0.2607623	-9.912063
5835000000	0.41887902	2.722713633	-11.95599306	-11.44947814	-12.9955513	-8.311005132	0.0637383	0.0716229	0.0501701	0.1475365	-10.795273
5835000000	0.41887902	2.775073511	-10.62451267	-9.902778825	-11.92277296	-9.912503746	0.0866062	0.1022638	0.0642277	0.1020351	-10.516691
5835000000	0.41887902	2.827433388	-9.882712409	-10.65468412	-11.47845329	-8.044496143	0.1027374	0.086185	0.0711467	0.1568738	-9.8198341
5835000000	0.41887902	2.879793266	-10.15445729	-12.91874812	-12.72259689	-7.13274016	0.096506	0.0510652	0.0534245	0.1935408	-10.059728
5835000000	0.41887902	2.932153143	-10.45852578	-15.99356891	-15.88887007	-7.921347225	0.0899803	0.0251561	0.0257699	0.1613858	-11.216332
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5835000000	0.575985863	-1.361356817	-0.28720551	-2.284636032	0.028153608	-0.134951561	0.9360708	0.5909305	1.0065037	0.9694041	-0.5763895
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5835000000	0.575958653	2.042035225	-3.739002433	-9.083608022	-6.153196846	-5.006861692	0.4227657	0.1234921	0.2424825	0.2537285	-5.5890655
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5835000000	0.575958653	2.251474735	-8.500667134	-9.363568955	-10.30742227	-4.412317852	0.1412321	0.1157825	0.0931661	0.3620497	-7.4943949
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5835000000	0.680678408	-2.984513021	-17.24026942	-15.47944128	-17.72860725	-17.62786077	0.0188877	0.0283176	0.0239748	0.0067389	-16.573697
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5835000000	0.733038286	-1.884955592	-12.93192728	-4.323164019	-3.901863297	-7.071310484	0.0509105	0.3695588	0.4906973	0.1962768	-5.5773844
5835000000	0.733038286	-1.832595715	-9.726479541	-3.787725015	-2.592065621	-7.188822076	0.1065006	0.4180493	0.5505458	0.910371	-4.9958073
5835000000	0.733038286	-1.780235837	-7.582818346	-3.320723038	-2.81150965	-6.349374343	0.174469	0.4655086	0.6051305	0.2317729	-4.3271452
5835000000	0.733038286	-1.72787596	-6.707569576	-3.073415644	-1.693458911	-4.955653581	0.2134239	0.4927861	0.6771042	0.3490473	-4.0900745
5835000000	0.733038286	-1.675516082	-6.634101288	-3.079786903	-1.150938134	-3.792818605	0.217065	0.4920637	0.7671958	0.4175593	-3.2470667
5835000000	0.733038286	-1.623156204	-6.749645898	-3.213716451	-0.649110229	-3.132608556	0.2113661	0.4771208	0.8611702	0.4861151	-2.933308
5835000000	0.733038286	-1.570796327	-6.625733201	-3.262406025	-0.245278846	-2.663283042	0.2174837	0.4718016	0.9450877	0.5415913	-2.6440283
5835000000	0.733038286	-1.518436449	-6.194747634	-3.07301347	-0.702512104	-1.876521204	0.2401736	0.4928317	1.0057474	0.6491542	-2.240426
5835000000	0.733038286	-1.466076572	-5.529432976	-2.658485525	0.112413404	-0.780794261	0.2799347	0.5421899	1.026222	0.8354502	-1.7331035
5835000000	0.733038286	-1.413716694	-4								

5835000000	0.733038286	1.308996939	-0.496563826	-0.094402929	0.044259853	-0.74349642	0.8919564	0.9784975	1.0102433	0.8426561	-0.3112575
5835000000	0.733038286	1.361356817	0.055606704	0.073147094	-0.110002198	-1.192292436	1.0128862	1.0169854	0.9749891	0.759925	-0.2631972
5835000000	0.733038286	1.413716694	-0.030758979	0.136660731	-0.65300455	-1.930553644	0.9929425	1.0319676	0.8599436	0.6411278	-0.5477996
5835000000	0.733038286	1.466076572	-0.58334345	0.029874764	-1.53592558	-2.470833622	0.8743104	1.0069026	0.7021675	0.5661306	-1.0381684
5835000000	0.733038286	1.518436449	-1.070166217	-0.193508248	-2.568045342	-2.404378006	0.7815979	0.9564212	0.5535992	0.5748601	-1.4471132
5835000000	0.733038286	1.570796327	-1.147933529	-0.52168051	-3.530191194	-1.986310946	0.7677267	0.8868128	0.4435891	0.6329493	-1.6572591
5835000000	0.733038286	1.623156204	-1.079793968	-0.109752634	-4.348471577	-1.882295025	0.7798761	0.9798745	0.3674116	0.6482918	-1.9102772
5835000000	0.733038286	1.675516082	-1.366270593	-2.080553897	-5.146793028	-2.492265402	0.7300842	0.6193621	0.3057178	0.5633437	-2.5599904
5835000000	0.733038286	1.72787596	-2.169704098	-3.676176989	-6.038063312	-3.662097102	0.6067777	0.4289259	0.2489967	0.4303188	-3.7979103
5835000000	0.733038286	1.780235837	-3.149225767	-5.772749011	-6.894298377	-4.549030384	0.4842587	0.2646824	0.204442	0.3508302	-4.8671136
5835000000	0.733038286	1.832595715	-3.837687917	-7.982799442	-7.362302921	-4.311878022	0.4132675	0.1591183	0.1835565	0.3705205	-5.5034319
5835000000	0.733038286	1.884955592	-4.25766512	-10.16139491	-7.302141525	-3.56648693	0.3751747	0.096352	0.1861169	0.4398973	-5.6163931
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5835000000	0.733038286	1.989675347	-4.699078556	-13.31380821	-7.071445927	-3.834384987	0.3389161	0.046625	0.1962707	0.4135819	-6.0406513
5835000000	0.733038286	2.042035225	-4.206617201	-10.46785469	-7.667084828	-4.374543302	0.3796106	0.0897872	0.1711164	0.3652125	-5.9958003
5835000000	0.733038286	2.094395102	-3.804347292	-7.709958188	-8.923909961	-4.288970871	0.4164523	0.1694354	0.1281177	0.37248	-5.6603612
5835000000	0.733038286	2.14675498	-4.279653345	-6.36961043	-10.44390958	-4.026235905	0.37328	0.2324363	0.0902836	0.3957094	-5.6395298
5835000000	0.733038286	2.199114858	-6.005390226	-6.238874736	-11.20801252	-4.24514919	0.2508771	0.2377456	0.0757179	0.3762574	-6.2865591
5835000000	0.733038286	2.251474735	-8.830444706	-6.973550125	-10.83499311	-4.88423052	0.1309048	0.2007451	0.0825089	0.3244574	-7.364117
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5835000000	0.733038286	2.513274123	-8.765106947	-16.64936303	-10.54039334	-8.511671881	0.1328891	0.0216304	0.0883	0.1408746	-9.180749
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5835000000	0.785398163	-3.089232776	-17.73045694	-18.78820105	-17.55548574	-23.35535339	0.0168638	0.0132184	0.017557	0.0046181	-18.839125
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5835000000	0.785398163	-1.675516082	-5.564806171	-2.252384931	-0.673414709	-4.403904526	0.2776639	0.5953351	0.8563643	0.3627518	-2.8147443
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5835000000	0.890117919	-2.251474735	-9.194768945	-7.066451216	-7.221971212	-8.779171343	0.1203713	0.1964965	0.1895869	0.1324594	-7.9661747
5835000000	0.890117919	-2.199114858	-8.289392662	-7.103937058	-8.082545141	-8.444030395	0.1482725	0.1948078	0.1563779	0.1432046	-7.9407679
5835000000	0.890117919	-2.14675498	-8.763423856	-7.176154744	-8.941769807	-8.125790241	0.1329406	0.1915952	0.1275919	0.1532572	-8.2002843
5835000000	0.890117919	-2.094395102	-11.27294041	-6.866318083	-8.422528862	-8.027530182	0.0745944	0.2057634	0.1437961	0.1574878	-8.3740445
5835000000	0.890117919	-2.042035225	-12.79463478	-6.153154864	-6.656149023	-8.292948013	0.0525456	0.2424848	0.2159658	0.1485152	-7.830774
5835000000	0.890117919	-1.989675347	-9.932276478	-5.38928378	-4.91158048	-8.747128665	0.1051976	0.2891157	0.3227319	0.1334403	-6.742486
5835000000	0.890117919	-1.93731547	-7.734241837	-4.798244785	-3.618114454	-8.803224072	0.1684907	0.331265	0.4346989	0.1317278	-5.7422849
5835000000	0.890117919	-1.884955592	-7.229187442	-4.360802958	-2.745742147	-8.266262454	0.1892698	0.3663698	0.5314052	0.1490643	-5.1000318
5835000000	0.890117919	-1.832595715	-7.598807894	-3.96476096	-2.146922002	-7.58025468	0.1738278	0.4013589	0.6099691	0.1745721	-4.6860081
5835000000	0.890117919	-1.780235837	-7.264032728	-3.563634598	-1.663500424	-7.013943009	0.1877573	0.4401863	0.6817889	0.1988867	-4.2348036
5835000000	0.890117919	-1.72787596									

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5835000000	0.8901171919	1.099557429	-2.906695557	1.919828359	-3.748054358	-1.800323107	0.5120713	1.5559041	0.4218855	0.6606443	-1.0367979
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5835000000	0.8901171919	1.413716694	-2.281782599	0.892674376	-2.487426794	-3.559686574	0.5913189	1.2281953	0.5639717	0.4400587	-1.5118414
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5835000000	0.8901171919	1.518436449	-2.440627617	-1.011095732	-2.599873025	-3.63422209	0.5700819	0.7923014	0.5495569	0.4430896	-2.3191161
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5835000000	0.8901171919	1.623156204	-1.651194416	-2.602086953	-2.317453012	-2.302492046	0.6837236	0.5492769	0.586482	0.5885059	-2.2040561
5835000000	0.8901171919	1.675516082	-2.130609512	-3.540068418	-2.5982312	-2.423520983	0.6122645	0.4425814	0.5497647	0.5723318	-2.6421305
5835000000	0.8901171919	1.72787596	-3.243703293	-4.908322236	-3.55807949	-3.239550374	0.4738378	0.3229742	0.4407497	0.4742911	-3.6859359
5835000000	0.8901171919	1.780235837	-4.200853069	-6.625344902	-5.411334679	-4.073519385	0.3801147	0.2175031	0.2876514	0.3914246	-4.9597323
5835000000	0.8901171919	1.832595715	-4.347330953	-8.105056154	-7.10768335	-8.202302004	0.3675081	0.1547015	0.1512855	0.394965	-5.7330177
5835000000	0.8901171919	1.884955592	-4.497565373	-8.68356367	-10.78956468	-3.529873186	0.3550124	0.1354078	0.0833765	0.4436216	-5.9456049
5835000000	0.8901171919	1.93731547	-5.70593611	-8.486665037	-10.00881141	-3.568149443	0.2687858	0.1416881	0.0997973	0.4397289	-6.2433628
5835000000	0.8901171919	1.989675347	-7.968417675	-8.018958488	-7.441781544	-4.284311462	0.1596461	0.157799	0.1802278	0.3728798	-6.6226494
5835000000	0.8901171919	2.042035225	-9.188941346	-7.550303857	-7.58604265	-4.694416588	0.120533	0.1578001	0.2767831	0.3428138	-6.4020764
5835000000	0.8901171919	2.094395102	-7.861807901	-7.15047121	-4.786764505	-4.017090935	0.1636135	0.1927316	0.3321418	0.396551	-5.6661506
5835000000	0.8901171919	2.14675498	-6.239033479	-6.804210533	-5.02294901	-3.516565686	0.2377369	0.2082772	0.3145617	0.4449829	-5.2070953
5835000000	0.8901171919	2.199114858	-5.476624148	-6.507494351	-6.13920971	-3.950845452	0.2833594	0.2234867	0.2432647	0.4026386	-5.4032531
5835000000	0.8901171919	2.251474735	-5.84783694	-6.328688103	-7.70768335	-5.036804325	0.2601455	0.2328698	0.1695242	0.3135592	-5.1256626
5835000000	0.8901171919	2.303834613	-7.48584614	-6.44188261	-8.995408818	-5.539584312	0.1784084	0.2268881	0.1260257	0.2792811	-6.9325159
5835000000	0.8901171919	2.35619449	-9.886951261	-7.109031268	-9.90774181	-5.153881405	0.1026372	0.1495794	0.1020993	0.3052192	-7.5415736
5835000000	0.8901171919	2.408554368	-10.86132447	-8.538436756	-11.23102695	-5.396192125	0.0820101	0.1400091	0.0753177	0.2886561	-8.3416744
5835000000	0.8901171919	2.460914245	-10.63537757	-10.56266398	-13.02129553	-7.150293445	0.0863898	0.0878483	0.0498736	0.1927395	-9.82079
5835000000	0.8901171919	2.513274123	-11.13227454	-12.25714041	-13.40007097	-8.790095458	0.07705	0.0594684	0.0457081	0.1321267	-11.046423
5835000000	0.8901171919	2.565634	-10.25035508	-12.91349634	-11.68008448	-6.371272295	0.0943984	0.051127	0.067919	0.1831166	-10.037499
5835000000	0.8901171919	2.617993878	-7.797168193	-13.32861631	-9.856853876	-6.30165445	0.1660669	0.0464663	0.103351	0.2343336	-8.6152532
5835000000	0.8901171919	2.670353756	-6.946797303	-14.18976872	-8.89080848	-7.53941589	0.2019855	0.0381086	0.1290979	0.1762213	-8.6533423
5835000000	0.8901171919	2.722713633	-8.84708814	-15.07632039	-9.107875675	-10.0905452	0.1304041	0.0310719	0.122804	0.0979367	-10.197504
5835000000	0.8901171919	2.775073511	-13.50984196	-14.35931915	-10.6063365	-9.340231076	0.0445672	0.0366495	0.0869694	0.1164604	-11.478365
5835000000	0.8901171919	2.827433388	-12.90169225	-12.33687086	-12.86630969	-7.632380926	0.0512662	0.0583866	0.0516855	0.1724892	-10.785379
5835000000	0.8901171919	2.879793266	-9.528367712	-11.1296919	-14.48995728	-7.609224547	0.1114713	0.0770958	0.0355635	0.1734114	-10.02677
5835000000	0.8901171919	2.932515343	-8.478144639	-11.68150849	-15.59962848	-8.46348786	0.1419664	0.0678968	0.0275446	0.1424463	-10.224431
5835000000	0.8901171919	2.984513021	-9.294522391	-14.50428075	-17.89471122	-9.57494969	0.1171638	0.0534464	0.0162378	0.1102821	-11.555161
5835000000	0.8901171919	3.036872899	-12.30368364	-20.91974053	-21.713919058	-11.96404533	0.0588344	0.0080914	0.0067392	0.0636203	-14.644358
5835000000	0.8901171919	3.089232776	-19.36554488	-34.2096169	-23.01747582	-16.91883934	0.0124837	0.0003793	0.0049917	0.020329	-20.201805
5835000000	0.8901171919	3.141592654	-21.91534333	-22.79366729	-20.12386024	-23.55774195	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	0.8901171919	3.189232776	-17.4374874	-18.29020949	-17.64538856	-23.70224345	0.0180406	0.0148245	0.0171973	0.0042636	-18.670522
5835000000	0.8901171919	3.036872899	-16.7867131	-15.52672205	-16.75287462	-21.7244771	0.020957	0.0280109	0.0212526	0.0067228	-17.158887
5835000000	0.8901171919	2.984513021	-15.43026383	-13.42063875	-17.30346061	-19.30846061	0.0285886	0.0453726	0.0177703	0.0117261	-17.582797
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5835000000	0.8901171919	2.775073511	-13.91414287	-9.730558874	-12.54432009	-8.940498337	0.0406056	0.1064006	0.0556632	0.1445274	-10.614848
5835000000	0.8901171919	2.722713633	-14.14672651	-10.06523641	-12.28205611	-11.13913941	0.0384882	0.0985091	0.0591282	0.0769283	-11.658119
5835000000	0.8901171919	2.670353756	-10.53877721	-11.01236651	-12.53484829	-16.5553828	0.0884326	0.079207	0.0557847	0.0221129	-12.119427
5835000000	0.8901171919	2.617993878	-7.467660551	-12.08534508	-11.43454501	-20.86610089	0.1791571	0.0618679	0.0718696	0.008192	-10.954378
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5835000000	0.8901171919	2.513274123	-5.397137149	-11.04773538	-7.812527797	-15.24573468	0.2885933	0.0785645	0.1654807	0.0298832	-8.5192074
5835000000	0.8901171919	2.460914245	-4.82394506	-10.02201522	-7.32623809	-13.45536282	0.3293104	0.0994944	0.1850852	0.0451298	-7.8316151
5835000000	0.8901171919	2.408554368	-4.551526664	-9.33021464	-7.529939486	-11.97683165	0.3506286	0.1166752	0.1766602	0.0634332	-7.5242977
5835000000	0.8901171919	2.35619449	-5.165929275	-8.793813611	-7.724169685	-11.01909524	0.3043737	0.1320136	0.1688819	0.0790843	-7.6677952
5835000000	0.8901171919	2.303834613	-6.850554472	-8.314958022	-7.548893778	-10.35524557	0.2065116	0.1474023	0.1758371	0.0921458	-8.0834163
5835000000	0.8901171919	2.251474735	-8.866168007	-8.010673214	-7.509447475	-9.769459853	0.1298324	0.1581003	0.1774415	0.054518	-8.455562
5835000000	0.8901171919	2.199114858	-9.665002404	-7.959632362	-8.091319396	-9.280509455	0.1080189	0.1599693	0.1551915	0.1180182	-8.687038
5835000000	0.8901171919	2.14675498	-9.983952014	-7.948805449	-8.860270244	-8.924528124	0.1003702	0.1603686	0.1300089	0.1280994	-8.8702056
5835000000	0.8901171919	2.094395102	-11.15966535	-7.593249672	-8.446777659	-8.738576265	0.0765565	0.1740504	0.1429955	0.1337034	-8.7999004
5835000000	0.8901171919	2.042035225	-11.09222409	-6.827998609	-6.804086253	-8.591747565	0.0777638	0.207587	0.2087331	0.138301	-8.0017849
5835000000	0.8901171919	1.989675347	-8.329888725	-5.943710009	-5.12648358	-8.099355545	0.1468964	0.2544656	0.3071508	0.1549046	-6.658392
5835000000	0.8901171919	1.93731547	-6.110822734	-5.161230806	-3.873125143	-7.191660547	0.2448599	0.3047031	0.409909	0.1909123	-5.41217
5835000000	0.8901171919	1.884955592	-5.478857083	-4.523488528	-3.0148219	-6.25088236	0.2832137	0.3528996	0.4995187	0.2370892	-6.

5835000000	0.942477796	0.890117911	-3.18976144	0.166628576	-8.28081825	0.212370706	0.4797598	1.0309653	0.1503806	1.0501155	-1.67599494
5835000000	0.942477796	0.942477796	-3.969358247	0.42242577	-8.41811745	-0.45349806	0.4009256	1.1021093	0.1908453	0.9008453	-1.958271
5835000000	0.942477796	0.948437654	-4.234672327	1.01867599	-7.87598307	-0.81168057	0.371662	1.2643508	0.1630804	0.8296276	-1.8140712
5835000000	0.942477796	1.04719751	-3.759338948	1.688520551	-6.793800833	-1.12486519	0.4207967	1.4752039	0.2007289	0.7178155	-1.4439924
5835000000	0.942477796	1.099557429	-3.0933809	2.20801567	-6.32584381	-1.740187674	0.4905372	1.6662268	0.2331533	0.6698557	-1.1687837
5835000000	0.942477796	1.151917306	-2.55603686	2.52176316	-6.067599735	-2.68765935	0.555321	1.787213	0.2473091	0.5386708	-1.0674814
5835000000	0.942477796	1.204277184	-2.067716564	2.682734347	-5.89774085	-3.612939993	0.6211956	1.854699	0.2571733	0.4352172	-1.012375
5835000000	0.942477796	1.256637061	-1.521541631	2.74029791	-5.48761516	-4.07182944	0.704443	1.9874665	0.2826432	0.3916352	-0.8908654
5835000000	0.942477796	1.308969639	-1.082164935	2.663749068	-4.925009622	-4.095913813	0.7794415	1.8466092	0.3217355	0.3894114	-0.7867808
5835000000	0.942477796	1.361356817	-1.063584917	2.358787367	-4.521514422	-3.13617751	0.7827832	1.7213979	0.35306	0.3851878	-0.9110649
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5835000000	0.942477796	1.466076572	-2.209076632	0.845582184	-4.421747247	-4.670007005	0.6013016	1.2149495	0.3612649	0.3411924	-2.0088212
5835000000	0.942477796	1.518436649	-2.405391815	-0.210527213	-4.308380964	-3.93790691	0.574726	0.9526805	0.3712034	0.3635975	-2.4527558
5835000000	0.942477796	1.570796327	-1.943414073	-1.214865793	-4.001233036	-3.63619336	0.6392723	1.7559855	0.3979942	0.4328931	-2.5475603
5835000000	0.942477796	1.623156204	-1.497838021	-2.082726265	-3.8075125	-3.057509147	0.7082983	1.6109523	0.4161489	0.4945943	-2.521817
5835000000	0.942477796	1.675516082	-1.745644233	-2.972776712	-4.121323698	-3.700641371	0.6690423	1.5043388	0.3871388	0.4785594	-2.926588
5835000000	0.942477796	1.72787596	-2.759433955	-4.129423613	-5.280122125	-4.088312269	0.5297325	1.3864813	0.2964134	0.3900836	-3.972192
5835000000	0.942477796	1.780235837	-3.82670846	-5.629146847	-7.563198071	-4.929905546	0.4413135	1.752806	0.2752589	0.321373	-2.8521536
5835000000	0.942477796	1.832595715	-4.066777785	-7.20105001	-10.8608293	-4.688164157	0.3974909	0.1905	0.0820195	0.3367689	-5.978335
5835000000	0.942477796	1.884955592	-3.888304042	-8.22268909	-12.2778364	-3.968587868	0.4084788	0.1503395	0.0594596	0.3993137	-5.94486
5835000000	0.942477796	1.93731547	-4.675555352	-8.27594317	-9.525335594	-3.985193427	0.3407567	1.0487324	0.1115492	0.401958	-6.007606
5835000000	0.942477796	1.989675347	-6.809813243	-7.580930267	-6.780728703	-4.670012765	0.2084581	1.7415446	0.2098588	0.341193	-6.136883
5835000000	0.942477796	2.042035225	-9.60444596	-6.666261031	-5.168048703	-4.981279055	0.1095356	0.2154636	0.3047305	0.3715939	-6.2556
5835000000	0.942477796	2.094395102	-10.10646111	-5.903467059	-4.67847901	-4.266636912	0.0975784	0.2568345	0.3405274	0.3744004	-6.7294388
5835000000	0.942477796	2.14675498	-9.7779489	-5.476525704	-3.799611314	-4.118351134	0.1595961	0.2833658	0.2926535	0.418381	-5.79908
5835000000	0.942477796	2.199114858	-6.154970587	-5.466972989	-3.703295465	-4.315571272	0.2423834	0.2839898	0.1978201	0.3702055	-5.6288437
5835000000	0.942477796	2.251474735	-5.58765965	-5.906726664	-0.081074086	-5.487124196	0.2761935	0.2564188	0.1235649	0.2826751	-6.2395957
5835000000	0.942477796	2.303834613	-6.487147903	-6.778586572	-10.1178839	-5.930030893	0.2243536	0.2099623	0.0973221	0.2552683	-7.060365
5835000000	0.942477796	2.35619449	-8.66656612	-8.017355889	-10.55957325	-4.91936328	0.135936	0.1578572	0.0879109	0.2823621	-7.7984665
5835000000	0.942477796	2.408543668	-10.58484214	-9.517345999	-11.963852	-5.75677217	0.0874009	0.1117546	0.0636231	0.2650626	-8.7911268
5835000000	0.942477796	2.460914245	-11.2467703	-11.0635632	-14.60718223	-7.434080094	0.0750452	0.0827287	0.0346164	0.1805477	-10.35366
5835000000	0.942477796	2.513724123	-12.47941848	-12.33827863	-15.76241055	-7.889175899	0.0655913	0.0863676	0.0265313	0.1351707	-11.602535
5835000000	0.942477796	2.565634	-11.55152947	-13.31544505	-13.17659729	-7.258973773	0.0690506	0.0466075	0.0481216	0.1879804	-10.546926
5835000000	0.942477796	2.61799387	-7.986280937	-14.23914099	-10.91818114	-6.391990996	0.1259908	0.0376778	0.0907992	0.2295096	-8.8588484
5835000000	0.942477796	2.670353756	-6.37275038	-14.79285093	-8.930724587	-7.714172969	0.2308287	0.0331676	0.1279168	0.1692711	-8.5318684
5835000000	0.942477796	2.722713633	-7.561324957	-14.2541128	-8.9954601	-10.08452398	0.1553248	0.0386775	0.1260242	0.0988889	-9.5966494
5835000000	0.942477796	2.775073511	-11.85560275	-12.42398515	-10.65427871	-9.269666624	0.0752289	0.0572271	0.0860146	0.1183132	-10.877995
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5835000000	0.942477796	3.189232776	-17.35898323	-18.16142568	-17.69366151	-23.79799595	0.0211631	0.0291391	0.0202471	0.0068121	-17.098998
5835000000	0.942477796	3.068272899	-16.73888641	-15.26671709	-16.9363627	-21.66722027	0.0121395	0.0197394	0.0202471	0.0068121	-17.098998
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5835000000	0.942477796	2.460914245	-5.17249676	-10.8382399	-7.962356922	-16.14608827	0.303931	0.0824472	0.159869	0.0242882	-8.4577376
5835000000	0.942477796	2.408554368	-4.508541937	-10.10715215	-8.293486926	-13.76686646	0.3541162	0.0976483	0.1481328	0.0240062	-7.9456568
5835000000	0.942477796	2.35619449	-4.543026896	-9.419279028	-8.507815994	-12.45077651	0.3513155	0.1134068	0.1409998	0.0568751	-7.802209
5835000000	0.942477796	2.308384613	-5.758804117	-8.800129715	-1.863873255	-11.43827879	0.2655337	0.1318217	0.1526204	0.0718079	-8.0842065
5835000000	0.942477796	2.251474735	-8.199305776	-8.402229182	-7.898674035	-10.18523576	0.1513803	0.1444698	0.1622305	0.0958245	-8.5862461
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5835000000	0.994837674	2.513274123	-13.60587122	-12.42102845	-16.76813303	-8.558925562	0.0435926	0.057266	0.0210468	0.1393502	-11.849944
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5835000000	0.994837674	2.984513021	-9.587542888	-14.25673977	-16.79088114	-9.373270522	0.1099628	0.0375255	0.0200869	0.1155242	-11.501212
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5835000000	0.994837674	3.089237276	-18.88601128	-36.2564849	-22.66201374	-17.1307316	0.0129241	0.0002368	0.0054175	0.019361	-20.229707
5835000000	0.994837674	3.141592654	-21.91534325	-22.79366719	-20.12386032	-23.55774199	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	0.994837674	3.14592654	-21.91534334	-22.79366719	-20.12386032	-23.55774182	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	0.994837674	2.827433388	-11.9640776	-9.331541957	-14.01630533	-8.584865731	0.0636198	0.1166395	0.0396615	0.1385203	-10.476421
5835000000	0.994837674	2.775073511	-12.22728638	-9.229771982	-12.58222445	-8.29081888	0.0598786	0.1194051	0.0558699	0.1482239	-10.184335
5835000000	0.994837674	2.722713633	-11.16913505	-9.475512409	-11.9967964	-9.585244475	0.0763988	0.1128363	0.0631423	0.110021	-10.428738
5835000000	0.994837674	2.670353756	-8.873942798	-10.03558196	-11.77534792	-11.98599734	0.1296002	0.099184	0.0664454	0.0632995	-10.475355
5835000000	0.994837674	2.617993878	-7.15394087	-10.8551963	-10.98834629	-14.80712236	0.1925777	0.0821259	0.0796463	0.0330589	-10.138906
5835000000	0.994837674	2.565634	-6.733184815	-11.55701382	-9.665254124	-17.93840252	0.2121688	0.0698713	0.1080126	0.0160753	-9.9339702
5835000000	0.994837674	2.513274123	-6.993490721	-11.6347296	-8.672423444	-20.92161241	0.1998255	0.0686321	0.1357556	0.008088	-9.868455
5835000000	0.994837674	2.460914245	-6.56049298	-11.11018715	-8.489845079	-18.16621408	0.2207754	0.0774428	0.1415844	0.0152538	-9.4939467
5835000000	0.994837674	2.408554368	-5.406605387	-10.29802341	-9.938110103	-14.53286657	0.2879648	0.0933679	0.1276994	0.0352138	-8.6626472
5835000000	0.994837674	2.35619449	-4.771897042	-9.361170025	-9.203614198	-12.51714508	0.3332808	0.1158465	0.1201264	0.0506126	-8.0599497
5835000000	0.994837674	2.303834613	-5.39681097	-8.490087708	-7.60830134	-11.09081432	0.288615	0.1415765	0.13302	0.0777891	-7.9520155
5835000000	0.994837674	2.251474735	-5.2251474735	-7.92758268	-8.379326243	-9.571563537	0.1737977	0.1611563	0.1452325	0.1103681	-8.307999
5835000000	0.994837674	2.199114858	-10.6801182	-7.736679782	-8.857979865	-8.199762343	0.0855043	0.1683961	0.1300774	0.1513644	-8.7342843
5835000000	0.994837674	2.14675498	-10.8430733	-7.704071493	-9.904795936	-7.3096371	0.0823555	0.1696652	0.1022164	0.185796	-8.6963964
5835000000	0.994837674	2.094395102	-9.190028382	-7.538567593	-9.589127254	-6.799139812	0.1205028	0.1762557	0.1099227	0.208971	-8.1272455
5835000000	0.994837674	2.042035225	-8								

5835000000	1.047197551	0.680678408	-3.262671139	0.956532556	-3.328714664	1.226140566	0.4717728	1.246388	0.4646528	1.3262154	-0.5687304
5835000000	1.047197551	0.733038286	-3.376309477	1.155657954	-4.63957652	1.880557136	0.4595884	1.3048656	0.3435914	1.5418982	-0.3977382
5835000000	1.047197551	0.785398163	-3.339415688	1.379933092	-6.77756848	2.261447444	0.4635093	1.3742028	0.2100115	1.683235	-0.3026705
5835000000	1.047197551	0.837758041	-3.619196871	1.539571753	-9.416006297	2.132169727	0.4345906	1.425467	0.114393	1.633868	-0.4475511
5835000000	1.047197551	0.890119719	-4.255640928	1.666921063	-12.66032037	1.630041934	0.3753496	1.4678852	0.0541972	1.4554731	-0.7663872
5835000000	1.047197551	0.942477796	-4.632806602	1.88286971	-15.82502081	1.098362996	0.3441275	1.5427291	0.0217145	1.2877641	-0.9740768
5835000000	1.047197551	0.994837674	-4.128313205	2.244292681	-16.89460238	0.726492481	0.3865171	1.6765993	0.0257359	1.1820865	-0.8738758
5835000000	1.047197551	1.047197551	-3.228644995	2.651502706	-11.99552487	0.342925868	0.4754836	1.841409	0.0631608	1.0821628	-0.6270581
5835000000	1.047197551	1.099557429	-2.60165272	2.945146657	-9.757482462	-0.298909261	0.5493318	1.9702197	0.105743	0.9334887	-0.5075845
5835000000	1.047197551	1.151917306	-2.208820009	3.036387541	-8.824892571	-1.200993619	0.6013371	2.0120499	0.1310722	0.758404	-0.576368
5835000000	1.047197551	1.204277184	-1.731360221	2.939214814	-8.349257971	-2.072840645	0.6712186	1.9675305	0.1462427	0.6204631	-0.6988486
5835000000	1.047197551	1.256637061	-1.0970355	2.724100668	-7.770631384	-2.602263441	0.7767772	1.8724493	0.1670848	0.5492545	-0.7500191
5835000000	1.047197551	1.308996939	-0.534986688	2.434366198	-7.252581193	-2.817413734	0.8840999	1.7516068	0.188253	0.5227074	-0.7744749
5835000000	1.047197551	1.361356817	-0.381409858	2.029553213	-7.229159785	-2.989415902	0.9159231	1.595715	0.189271	0.5024102	-0.9645977
5835000000	1.047197551	1.413716694	-0.801382155	1.616918793	-7.828729212	-3.276536432	0.8314991	1.3857723	0.1648621	0.470269	-1.4684919
5835000000	1.047197551	1.466076572	-1.617061336	0.534655708	-6.889251761	-3.518105173	0.6891184	1.1310077	0.1352306	0.4448253	-2.2181581
5835000000	1.047197551	1.518436449	-2.33745683	-0.589258448	-9.070351615	-3.380599173	0.5837869	0.8731204	0.1238696	0.4591347	-2.9244864
5835000000	1.047197551	1.570796327	-2.45018999	-1.8333945	-8.757717221	-2.927746379	0.568828	0.6556326	0.1331154	0.5095952	-3.3087583
5835000000	1.047197551	1.623156204	-2.131245003	-3.044593218	-8.42845646	-6.29774735	0.6121749	0.4960674	0.1436	0.5373104	-3.4941259
5835000000	1.047197551	1.675516082	-2.158558872	-4.11879962	-8.757793133	-3.129951585	0.6083368	0.3873647	0.1331131	0.4864126	-3.9382637
5835000000	1.047197551	1.72787596	-2.941539721	-4.970097978	-10.10246394	-4.11719334	0.5079793	0.3184126	0.0976683	0.387508	-4.8426912
5835000000	1.047197551	1.780235837	-4.015742709	-5.453753693	-12.26113372	-4.669071025	0.3966667	0.2848555	0.0594137	0.3412659	-5.6775174
5835000000	1.047197551	1.832595715	-4.172650727	-5.50044132	-12.85443186	-4.007263472	0.3825912	0.2785838	0.0518283	0.3915043	-5.8893131
5835000000	1.047197551	1.884955592	-3.408807216	-5.571682224	-10.33731321	-3.363865848	0.4561622	0.2772246	0.092527	0.4609071	-4.9254187
5835000000	1.047197551	1.93731547	-2.973446014	-5.771900173	-7.705778558	-3.428247854	0.504261	0.2587081	0.1695986	0.4541248	-4.6007984
5835000000	1.047197551	1.989675347	-3.506432979	-6.427426986	-6.020304122	-4.064908663	0.4460224	0.2279446	0.250017	0.3922014	-4.8284191
5835000000	1.047197551	2.042035225	-5.1487368	-6.697457482	-5.301647574	-2.165969619	0.305581	0.2139214	0.295009	0.3787392	-5.2532832
5835000000	1.047197551	2.094395102	-7.838655331	-6.262989124	-5.556230204	-3.642552893	0.1644881	0.2364292	0.2782127	0.4322597	-5.5619364
5835000000	1.047197551	2.14675498	-9.98824244	-5.640502748	-6.693539395	-3.450494965	0.1002711	0.2728662	0.2141145	0.4518044	-5.8542096
5835000000	1.047197551	2.199114858	-8.599722149	-5.61814262	-7.834387389	-3.173596008	0.1380473	0.2742747	0.1646498	0.3825079	-6.2002422
5835000000	1.047197551	2.251474735	-6.673264492	-6.664637401	-7.489504164	-5.220955009	0.2151164	0.2155442	0.1782582	0.3005415	-6.4327623
5835000000	1.047197551	2.303834613	-6.315637355	-8.938523685	-6.555044482	-5.4593164	0.2335803	0.1276873	0.2210526	0.2844879	-6.6413704
5835000000	1.047197551	2.35619449	-7.534065863	-11.74358291	-6.623647847	-5.255872233	0.1764385	0.0669332	0.2175881	0.2981349	-7.217169
5835000000	1.047197551	2.408554368	-9.431285349	-12.67395439	-8.12499342	-5.866557368	0.1139912	0.0540262	0.1539929	0.2590265	-8.3785626
5835000000	1.047197551	2.460914245	-11.09738135	-12.05420216	-10.84751374	-7.567722516	0.0776715	0.0623132	0.0803986	0.1750765	-10.049577
5835000000	1.047197551	2.513274123	-14.03529437	-12.16679213	-8.584494713	-6.584494713	0.0394885	0.0607185	0.0328085	0.1385321	-11.682141
5835000000	1.047197551	2.565634	-14.64097236	-13.44165629	-16.91648257	-7.601027638	0.0343481	0.0452725	0.02034	0.173739	-11.647858
5835000000	1.047197551	2.617993878	-8.06487021	-14.93663191	-13.01912693	-7.275161667	0.1316289	0.0320876	0.0498985	0.1872797	-9.9903293
5835000000	1.047197551	2.670353756	-5.85335078	-14.2133171	-10.09642139	-8.852908025	0.2598154	0.0379025	0.0978043	0.1302294	-8.8127932
5835000000	1.047197551	2.722171363	-5.859295362	-11.82711196	-9.617103466	-10.59090858	0.25946	0.0656582	0.1092169	0.0872789	-8.8471081
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5835000000	1.047197551	2.827435388	-14.38210827	-9.082144181	-14.41183064	-7.9322208	0.0364577	0.1235337	0.036209	0.1609822	-10.491696
5835000000	1.047197551	2.879793266	-13.0643428	-9.309241085	-15.44571909	-7.761435744	0.0493817	0.117724	0.0285383	0.1674389	-10.426335
5835000000	1.047197551	2.932153143	-10.02304771	-10.8634308	-15.23978247	-8.140644852	0.0994707	0.0819704	0.0299241	0.1534389	-10.400002
5835000000	1.047197551	2.984513021	-9.830116357	-14.3026721	-16.67502195	-12.251284843	0.1039892	0.0371307	0.0215029	0.0999448	-11.5266774
5835000000	1.047197551	3.036872899	-12.36967484	-21.20597177	-20.12403463	-9.05424237	0.0579472	0.0075754	0.0099448	0.0623126	-14.62874
5835000000	1.047197551	3.089232766	-18.84621159	-37.40548237	-22.46820278	-17.24599425	0.013043	0.0001817	0.0056647	0.0188539	-20.252191
5835000000	1.047197551	3.141592654	-22.9366717	-22.79366717	-20.12386046	-23.55774182	0.0064338	0.0052557	0.0097188	0.0440478	-21.901681
5835000000	1.099557429	3.141592654	-21.91534322	-22.79366694	-20.12386023	-23.55774208	0.0064338	0.0052557	0.0097188	0.0440478	-21.901681
5835000000	1.099557429	-3.089232776	-17.23167545	-17.96302857	-17.81252573	-23.94593439	0.0189161	0.0159844	0.0165481	0.0404309	-18.579268
5835000000	1.099557429	-3.036872899	-16.71869365	-14.88348011	-17.42466282	-21.39504322	0.0212878	0.0324827	0.018094	0.0072526	-17.037897
5835000000	1.099557429	-2.984513021	-15.59531682	-12.57686896	-18.59219516	-20.19233521	0.027572	0.0552476	0.0138287	0.0095668	-15.75874
5835000000	1.099557429	-2.932153143	-13.01527106	-10.81955022	-18.76259556	-16.30940494	0.0499428	0.0828028	0.0132966	0.0233914	-13.730605
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5835000000	1.099557429	-2.827433388	-11.78037289	-9.054769156	-13.84015744	-9.131957884	0.0663686	0.1243149	0.0413033	0.1221249	-10.529198
5835000000	1.099557429	-2.775073511	-11.58903532	-8.952549962	-12.29080176	-9.350812134	0.069358	0.1261087	0.0590092	0.1459445	-9.9954377
5835000000	1.099557429	-2.722713633	-10.52101132	-9.212060471	-11.46430526	-8.868745025	0.0886949	0.119893	0.0713788	0.1297554	-8.8957046
5835000000	1.099557429	-2.670353756	-8.870816951	-9.60904871	-11.04560957	-10.14662787	0.1296935	0.1094196	0.078603	0.0966801	-8.8464418
5835000000	1.099557429	-2.617993878	-7.815000583	-10.20947118	-10.53344274	-11.89926277	0.1653865	0.0952912	0.0884414	0.0645764	-9.8537921
5835000000	1.099557429	-2.565634	-8.089716396	-10.84844161	-9.675886514	-14.51422505	0.1552488	0.0822538	0.1077485	0.0353653	-10.215724
5835000000	1.099557429	-2.513274123	-9.276587224	-11.11008066	-8.939467672	-18.35876319	0.1181249	0.077446	0.1276595	0.0145923	-10.733712
5835000000	1.099557429	-2.460914245	-9.100048555	-10.79111068	-8.862596618	-17.97243062	0.1230255	0.0833468	0.1299392	0.0159499	-10.551949
5835000000	1.099557429	-2.408554368	-7.04809198	-10.01579588	-9.48108165	-13.39366214	0.1973289	0.0969369	0.1143376	0.0404235	-9.4718393
5835000000	1.099557429	-2.35619449	-5.490669524	-8.965027581	-9.801752671	-11.32423251	0.2824445	0.1269104	0.1046706	0.0737185	-8.3287178
5835000000	1.099557429	-2.303834613	-5.393124763	-7.939035468	-9.371488717	-9.676857353	0.2888601	0.1607298	0.1155716	0.1077244	-7.7411854
5835000000	1.099557429	-2.251474735	-7.004986268	-7.242173163	-8.992743387	-8.408774757	0.1992973	0.1886812	0.1261031	0.1442522	-7.8361385
5835000000	1.099557429	-2.199114858	-9.735315226	-6.909233108	-9.649607834	-7.499910094	0.1062841	0.2037402	0.1084025	0.1778316	-8.2662542
5835000000	1.099557429	-2.14675498									

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5835000000	1.099557429	0.942477796	-4.35021188	2.30275204	-17.27618071	1.424554442	0.3672644	1.6993201	0.0187233	1.3882109	-0.6129035
5835000000	1.099557429	0.994836764	-3.537804911	2.619010843	-12.45420246	0.999004586	0.4428121	1.8276839	0.0568303	1.2586369	-0.4745416
5835000000	1.099557429	1.047197551	-2.575794515	2.944225068	-7.313198953	0.535671654	0.5526123	1.9698017	0.122124	1.1312723	-0.2504982
5835000000	1.099557429	1.099557429	-2.075110103	3.172001005	-9.485966514	-0.164434298	0.6201389	2.0758698	0.1784035	0.9628654	-0.1803678
5835000000	1.099557429	1.151917306	-1.906725937	3.211837153	-7.00235152	-1.062192348	0.6446551	2.0949985	0.1994182	0.7830343	-0.3127125
5835000000	1.099557429	1.158436649	-1.635024256	3.044829648	-7.09481624	-1.819254801	0.686274	2.0159649	0.1952173	0.6577707	-0.5119266
5835000000	1.099557429	1.256637061	-1.133780912	2.718993373	-2.716307924	-2.149919701	0.7702326	1.8702486	0.1898319	0.6095482	-0.6551906
5835000000	1.099557429	1.308996939	-0.64311843	2.297350392	-7.301769266	-2.209017419	0.8623591	1.6972079	0.1861329	0.6013098	-0.7740303
5835000000	1.099557429	1.361356817	-0.48279656	1.79398365	-7.717230967	-2.321254448	0.8947884	1.5114659	0.1691519	0.5859689	-1.0218396
5835000000	1.099557429	1.413716694	-0.814373384	1.162887979	-8.600976133	-2.577823452	0.8290155	1.3070398	0.1380074	0.5523542	-1.5082377
5835000000	1.099557429	1.466076572	-1.506515342	0.353053399	-9.366107734	-2.741559058	0.7069434	1.0846893	0.1157149	0.5319173	-2.1480104
5835000000	1.099557429	1.518436449	-2.209537063	-0.634573385	-9.17149995	-2.511417986	0.6012378	0.8640575	0.122542	0.5608648	-2.6988376
5835000000	1.099557429	1.570796327	-2.556028923	-1.744324081	-8.180066724	-2.04990255	0.5551331	0.669218	0.1520545	0.6237488	-3.0099647
5835000000	1.099557429	1.623156204	-2.533085673	-2.916956657	-7.477148353	-1.887642275	0.5580735	0.108629	0.1787661	0.644794	-3.2400574
5835000000	1.099557429	1.675516082	-2.674630757	-4.108396672	-7.740465639	-2.366073166	0.540178	0.3882937	0.1817751	0.5799528	-3.7412198
5835000000	1.099557429	1.72787596	-3.427603128	-5.160475734	-9.747301022	-3.264415638	0.4541922	0.3047561	0.1604242	0.4715833	-4.5874664
5835000000	1.099557429	1.780235837	-4.505543938	-5.69572592	-8.711508716	-3.645936924	0.3543607	0.2694185	0.1345393	0.431923	-5.264249
5835000000	1.099557429	1.82595715	-4.743310367	-5.59394012	-8.854323099	-3.104765842	0.3354818	0.2780101	0.130187	0.4892416	-5.1112489
5835000000	1.099557429	1.884955592	-3.782487097	-5.243840347	-7.954943608	-2.60349271	0.4185538	0.298962	0.1601421	0.5409991	-4.4770997
5835000000	1.099557429	1.93731547	-2.830839975	-5.33759212	-6.69240019	-2.805636359	0.5210939	0.2925774	0.2141884	0.5241268	-4.1177205
5835000000	1.099557429	1.989675347	-2.704262662	-6.030400539	-5.763715203	-3.414181856	0.536505	0.2494365	0.2652336	0.455598	-4.2401217
5835000000	1.099557429	2.042035225	-3.673701562	-6.945800404	-5.452483147	-3.510445616	0.4291705	0.2020319	0.2849389	0.4456105	-4.7069204
5835000000	1.099557429	2.094395102	-5.912201977	-7.244007804	-5.795752865	-3.069621089	0.2563184	0.188625	0.2632841	0.4932168	-5.2235632
5835000000	1.099557429	2.14675498	-9.023572949	-6.852968228	-6.432374214	-3.05054546	0.1252111	0.206399	0.2273854	0.4953869	-5.7906271
5835000000	1.099557429	2.199114858	-9.702512693	-6.764763	-6.362546276	-3.813106948	0.10709	0.2106317	0.231071	0.4156132	-6.1780019
5835000000	1.099557429	2.251474735	-7.782074617	-7.755879657	-4.562520204	-4.742031985	0.1666451	0.1676533	0.2913252	0.3355806	-6.1924438
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5835000000	1.099557429	2.35619449	-7.461337849	-12.50446248	-5.030323344	-5.072590425	0.1794181	0.0561764	0.3140673	0.3109861	-6.6725495
5835000000	1.099557429	2.408554368	-8.80866519	-12.50821245	-6.641585349	-5.98069327	0.1315629	0.0561279	0.2166913	0.2523078	-7.8469569
5835000000	1.099557429	2.460914245	-10.39092874	-11.55577649	-9.195903783	-7.846728475	0.0913918	0.0689912	0.120399	0.1641826	-9.5291461
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5835000000	1.099557429	2.984513021	-10.12699372	-14.47294018	-16.49119668	-9.129307424	0.0971182	0.0357031	0.0224326	0.1221995	-11.588699
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5835000000	1.099557429	3.089232776	-18.82913524	-38.57804003	-22.27106281	-17.36764722	0.0130944	0.0001387	0.0059278	0.0183331	-20.280977
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5835000000	1.151917306	3.089232776	-17.18292491	-27.89408762	-17.88090999	-23.99308836	0.0191297	0.0162402	0.0162895	0.0039874	-18.561696
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5835000000	1.151917306	2.879793266	-11.95215121	-9.400653227	-15.99053689	-12.76465017	0.0637947	0.1147981	0.0251737	0.0529097	-11.926745
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5835000000	1.151917306	2.775073511	-11.18300801	-8.798705266	-11.95010982	-8.573986531	0.0761551	0.131865	0.0638247	0.1400236	-9.873041
5835000000	1.151917306	2.722713633	-10.27394497	-9.011123297	-10.81513224	-8.417043346	0.093887	0.1255705	0.0828871	0.1439778	-9.5241127
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5835000000	1.151917306	0.471238898	-0.423923293	1.705195195	-3.709235062	2.067274816	0.9070008	1.4808788	0.4256734	1.6096353	0.4367543
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5835000000	1.151917306	2.199114858	-10.0520504	-7.776420689	-5.542086489	-3.660743458	0.0988086	0.1686822	0.2791214	0.4304529	-6.1294619
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5835000000	1.151917306	2.460914245	-9.44266557	-11.02866592	-8.56401592	-8.501237943	0.1136929	0.0789102	0.1391869	0.1412135	-9.2719556
5835000000	1.151917306	2.513274123	-12.47073499	-11.56235907	-11.46590993	-9.49284533	0.0566143	0.0697853	0.0713001	0.1123868	-11.70577
5835000000	1.151917306	2.565634	-15.81955261	-13.07561566	-16.09031125	-8.759700755	0.0261845	0.0492537	0.0246019	0.1330546	-12.345276
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5835000000	1.151917306	2.722713637	-5.015678187	-10.51747795	-11.15800921	-11.22702029	0.3150882	0.0887671	0.0765948	0.0754623	-8.5705364
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5835000000	1.151917306	2.932153143	-11.442749	-11.14827945	-15.3930255	-7.679699185	0.071734	0.0767662	0.0288835	0.1706201	-10.60476
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5835000000	1.151917306	3.089232776	-18.83389965	-39.63283888	-22.07483964	-17.49577066	0.0130801	0.0001088	0.0062018	0.0178001	-20.316246
5835000000	1.151917306	3.141592654	-21.91534321	-22.79366734	-22.79366734	-23.55774194	0.0064388	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.151917306	3.141592654	-21.91534314	-22.79366735	-20.12386017	-23.55774218	0.0064388	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.151917306	3.089232776	-17.14406332	-17.84556997	-17.95389599	-24.01888733	0.0193016	0.0164227	0.0160192	0.0039638	-18.561481
5835000000	1.151917306	3.036872899	-16.80403394	-14.69200552	-17.96924932	-20.95033886	0.0208736	0.0339468	0.0159616	0.0080346	-17.054423
5835000000	1.151917306	2.984513021	-16.11958758	-12.32769566	-19.25965366	-20.12272554	0.0244366	0.05851	0.0118586	0.0097214	-15.828329
5835000000	1.151917306	2.932153143	-13.50877383	-10.50301416	-18.38173578	-18.47310595	0.0445782	0.0890633	0.0145153	0.0142131	-13.915455
5835000000	1.151917306	2.879793266	-12.10805529	-9.258786935	-15.73756222	-13.94104726	0.0615452	0.11861	0.0266836	0.0403548	-12.090228
5835000000	1.151917306	2.827433388	-11.61019877	-8.686876746	-13.48158944	-10.56497551	0.0690208	0.1353045	0.0448581	0.0878016	-10.744493
5835000000	1.151917306	2.775073511	-8.672871659	-11.58649668	-8.672871659	-10.54412828	0.0794222	0.1357416	0.0693985	0.1310958	-9.8330284
5835000000	1.151917306	2.722713633	-10.3193065	-8.898593411	-10.18027808	-8.28628957	0.0929115	0.1288667	0.0959339	0.1489948	-9.3301581
5835000000	1.151917306	2.670353756	-9.881328359	-9.140067265	-9.575272163	-8.549555505	0.1027702	0.1218971	0.1102739	0.1396511	-9.257393
5835000000	1.151917306	2.617993878	-10.15773535	-9.428855818	-9.615627503	-9.562911807	0.0964332	0.114055	0.1092528	0.1105882	-9.6825913
5835000000	1.151917306	2.565634	-12.0268067	-9.747209796	-9.623255582	-11.51896565	0.0627075	0.1059934	0.1090622	0.0704861	-10.601698
5835000000	1.151917306	2.513274123	-16.3506146	-9.88054381	-9.307147572	-14.74480865	0.0231707	0.1027888	0.1172966	0.0335366	-11.599055
5835000000	1.151917306	2.460914245	-15.94611745	-9.701687307	-9.280018124	-17.29082742	0.0254325	0.1071103	0.1180316	0.0186602	-11.719292
5835000000	1.151917306	2.408554368	-10.21357923	-9.233918463	-9.95675081	-14.17849795	0.0952011	0.1192911	0.1010008	0.0382076	-10.53424
5835000000	1.151917306	2.35619449									

5835000000	1.204277184	0.366519143	-0.442246843	1.545776328	-0.836004335	2.134397158	0.9031821	1.427505	0.8248967	1.6347062	0.7830181
5835000000	1.204277184	0.41887902	-0.176581019	1.841638022	-2.198666351	2.131404468	0.9601562	1.5281423	0.6027447	1.6335801	0.723072
5835000000	1.204277184	0.471238898	-0.389840989	1.977034278	-1.970666341	2.096666341	0.9141467	1.5765343	0.4339877	1.6205657	0.554963
5835000000	1.204277184	0.523598776	-0.946389787	1.904216759	-3.736964327	1.912663825	0.8041494	1.5503212	0.4595191	1.5533395	0.381604
5835000000	1.204277184	0.575958653	-1.58039568	1.60240059	-1.971902533	1.507809539	0.694961	1.466239	0.6350527	1.4215079	0.209212
5835000000	1.204277184	0.628318531	-2.125753333	1.147534776	-1.240324899	1.082190522	0.6129495	1.3024723	0.7515667	1.2829775	-0.0547159
5835000000	1.204277184	0.680678408	-2.581988446	1.705638043	-1.817763439	1.046404204	0.5518247	1.1903202	0.6579966	1.2724491	-0.3708747
5835000000	1.204277184	0.730308286	-2.841978434	0.699193089	-3.887481092	1.492053068	0.5197592	1.1746793	0.4085563	1.4099552	-0.5638803
5835000000	1.204277184	0.785398163	-2.879942504	1.049888931	-6.626738762	1.021202288	0.5152355	1.2734705	0.1727134	1.5893525	-0.5173722
5835000000	1.204277184	0.837758041	-2.95625845	1.61231561	-12.60730432	2.232660673	0.5062606	1.4495432	0.0548617	1.6718858	-0.3591118
5835000000	1.204277184	0.890117919	-3.060923454	2.157000085	-14.31580529	2.090384322	0.4942056	1.6408543	0.0370186	1.6182232	-0.2386622
5835000000	1.204277184	0.942477796	-2.710171412	2.560241948	-12.26566966	1.735063679	0.5357755	1.8031182	0.0593517	1.4910986	-0.1218363
5835000000	1.204277184	0.994837674	-1.79208784	2.846559633	-10.11903813	1.290898319	0.6618982	1.9259986	0.0972963	1.3461388	0.0338856
5835000000	1.204277184	1.047197551	-0.920826664	3.038731774	-8.119830954	0.710928372	0.8089419	2.0131363	0.154176	1.1778577	0.1641821
5835000000	1.204277184	1.099557429	-0.584138527	3.128085583	-6.467934901	-0.114752768	0.8741504	2.0549845	0.2255311	0.9739232	0.1374169
5835000000	1.204277184	1.151917306	-0.722126696	3.065770573	-5.225951912	-1.115922868	0.8468126	2.025709	0.3001959	0.7734063	-0.0588928
5835000000	1.204277184	1.204277184	-0.894741479	2.801167686	-4.253811075	-1.916412454	0.8138153	1.9059731	0.3755077	0.6432188	-0.2936087
5835000000	1.204277184	1.256637061	-0.813889665	2.310102592	-3.509838636	-2.171168567	0.8291079	1.7057299	0.4456728	0.6065731	-0.4731849
5835000000	1.204277184	1.308996939	-0.630861654	1.650126832	-3.165330149	-2.071976488	0.8647963	1.4622199	0.4824662	0.6025865	-0.6675714
5835000000	1.204277184	1.361356817	-0.599050691	0.854954325	-3.456293053	-2.009717002	0.8715154	1.2127542	0.4512017	0.6295472	-1.0107238
5835000000	1.204277184	1.413716694	-0.819262696	0.002528827	-4.511698697	-2.053099038	0.8280827	1.5005825	0.3538589	0.6232899	-1.5400111
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5835000000	1.204277184	1.570796327	-1.935306364	-2.22423982	-8.470194065	-1.235514706	0.6404266	0.5992058	0.1422265	0.7523996	-2.7281297
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5835000000	1.204277184	1.780235837	-4.521783952	-5.800162222	-8.125365072	-2.735398587	0.3530381	0.263017	0.1539797	0.5326723	-4.8721262
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5835000000	1.204277184	1.884955592	-4.675218095	-6.095835602	-7.487070407	-2.000713451	0.3407832	0.2457064	0.1783582	0.6308537	-4.5726745
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5835000000	1.204277184	1.989675347	-2.378905585	-5.782186002	-6.554747474	-2.719315203	0.5782417	0.2641079	0.2210677	0.5346487	-3.9846528
5835000000	1.204277184	2.042035225	-2.53273862	-6.440618201	-6.475015109	-2.691804943	0.5581181	0.2269542	0.2251638	0.5380461	-4.1220987
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5835000000	1.204277184	2.14675498	-6.849141049	-7.738843756	-6.433083305	-2.845235728	0.2065789	0.1683122	0.2273483	0.5196066	-5.5212678
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5835000000	1.204277184	2.251474735	-9.469422022	-8.269570155	-4.700921409	-4.518758518	0.1129946	0.1489508	0.3387723	0.3552841	-6.2251075
5835000000	1.204277184	2.303834613	-8.166144119	-9.164099255	-4.488232124	-4.984076302	0.1525406	0.1212244	0.3557761	0.3173894	-6.2574187
5835000000	1.204277184	2.35619449	-7.388291847	-10.15794787	-5.323427451	-5.636493729	0.1824613	0.0964285	0.2953332	0.2731182	-6.7492522
5835000000	1.204277184	2.408554368	-7.394711539	-10.77084039	-6.967856358	-5.125209134	0.1821918	0.0837367	0.2100085	0.2929652	-7.8258039
5835000000	1.204277184	2.460914245	-8.407082879	-11.23742743	-8.781255691	-9.328704734	0.1443084	0.0752068	0.1323959	0.1167158	-9.3132278
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5835000000	1.204277184	2.617993878	-10.43877112	-14.38225748	-16.60211794	-9.441173658	0.0903905	0.0364564	0.0218669	0.113732	-11.830202
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5835000000	1.204277184	3.141592654	-22.91534314	-22.79366735	-20.12386017	-23.55774218	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.204277184	3.141592654	-21.91534317	-22.79366735	-20.12386048	-23.55774196	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.204277184	3.089232776	-17.11502445	-17.81750885	-18.02918843	-24.00720702	0.0194311	0.0165291	0.0157428	0.0039621	-18.56477
5835000000	1.204277184	3.036872899	-16.87265702	-14.67054331	-18.24498495	-20.68492736	0.0205463	0.034115	0.0149796	0.008541	-17.089534
5835000000	1.204277184	2.984513021	-16.46788595	-12.31325348	-19.51170311	-19.8015338	0.0225534	0.0587049	0.01119	0.0104676	-15.895776
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5835000000	1.204277184										

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5835000000	1.256637061	0.890117919	-2.200491967	1.251345698	-12.20845362	2.114234834	0.6024913	1.6410982	0.0601388	1.6271346	-0.0757209
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5835000000	1.256637061	0.994837674	-0.95579394	2.87003575	-13.13807369	1.691158222	0.8024548	1.9364379	0.0485504	1.4761001	0.2771068
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5835000000	1.256637061	1.204277184	-0.354278493	2.53460146	-3.027187192	-1.287786943	0.921663	1.7925041	0.4980596	0.7433979	0.0484494
5835000000	1.256637061	1.256637061	-0.423541111	1.982490845	-1.640314728	-1.873610367	0.9070806	1.5785163	0.6854386	0.6495895	-0.1992558
5835000000	1.256637061	1.389696939	-0.411534191	1.202929746	-0.944558955	-2.114478157	0.9095919	1.3191463	0.8045334	0.6145824	-0.4002724
5835000000	1.256637061	1.361356817	-0.517891256	0.222808478	-0.991026905	-2.239345998	0.8875869	1.0526424	0.7959711	0.5971252	-0.7918262
5835000000	1.256637061	1.417116694	-0.761902438	-0.889084767	-1.808071243	-3.29714687	0.8390923	1.081476	0.6594667	0.5848285	-1.3992212
5835000000	1.256637061	1.466076572	-1.030893634	-2.004281839	-3.30921265	-2.256244416	0.7886978	0.6303356	0.4644166	0.5948063	-0.2791378
5835000000	1.256637061	1.518436449	-1.235098619	-2.93564458	-5.29912523	-2.002092535	0.7524716	0.5086693	0.2957228	0.6306534	-6.2103853
5835000000	1.256637061	1.570796327	-1.470750425	-3.553955207	-7.14388307	-1.856295152	0.7127299	0.4411685	0.1930242	0.6521845	-3.0122394
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5835000000	1.256637061	1.677516082	-2.434476388	-4.502254636	-8.921599678	-2.836930153	0.5708899	0.3546292	0.1281858	0.5203637	-4.0503632
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5835000000	1.256637061	1.780235837	-3.95679827	-6.498215439	-8.647456277	-3.013163163	0.4020871	0.2239641	0.1365383	0.4996705	-5.0091118
5835000000	1.256637061	1.832595715	-4.713250342	-7.366219261	-8.065816025	-2.375802924	0.3378119	0.183391	0.1560781	0.578655	-5.3039249
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5835000000	1.256637061	2.042035225	-2.33455948	-6.350883963	-6.362421669	-2.417737649	0.5841765	0.2316923	0.2310776	0.5730945	-3.9253404
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5835000000	1.256637061	2.513274123	-9.788814967	-13.83478043	-10.34770492	-10.14619146	0.1049829	0.0413544	0.0826599	0.0966898	-10.892595
5835000000	1.256637061	2.565634	-13.01877439	-14.92824265	-14.01223869	-9.09556703	0.0499025	0.0321496	0.0396982	0.1231525	-12.130661
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5835000000	1.256637061	3.036872899	-12.92923074	-22.9345071	-18.6140474	-12.3525365	0.0509421	0.005088	0.0127016	0.0581763	-14.985706
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5835000000	1.256637061	3.141592654	-22.79153417	-22.79366735	-20.12386048	-23.55774196	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	1.256637061	3.089232776	-17.09574326	-17.09574326	-18.0626342	-23.99608548	0.0195176	0.0165583	0.0154658	0.0039847	-18.575606
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5835000000	1.308996939	1.780235837	-3.332228374	-6.339917194	-9.418884087	-2.875259865	0.464277	0.2322781	0.1143172	0.5157913	-4.7929918
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5835000000	1.308996939	1.93731547	-3.511561324	-7.343102993	-6.985244941	-2.126189773	0.4454961	0.1843698	0.2002053	0.6128879	-4.4280601
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5835000000	1.308996939	2.827433388	-7.137270697	-10.10248413	-16.88989582	-6.734101894	0.1933183	0.0976678	0.0204649	0.212124	-8.8308104
5835000000	1.308996939	2.879793266	-11.45475359	-11.04036351	-16.51621784	-6.517114612	0.071536	0.078698	0.0223038	0.2229916	-10.048812
5835000000	1.308996939	2.932153143	-12.77815573	-13.00939043	-16.22531902	-7.074218296	0.0527454	0.0500105	0.0238489	0.1961454	-10.931935
5835000000	1.308996939	2.984513021	-11.59579304	-16.57499476	-16.86292239	-8.882461779	0.0692501	0.0220039	0.0205924	0.1293462	-12.196957
5835000000	1.308996939	3.036872899	-13.1289599	-13.64253982	-18.86067178	-12.48913526	0.0486524	0.0043226	0.0129991	0.056375	-15.144593
5835000000	1.308996939	3.089232776	-18.96854958	-39.65595321	-21.51952965	-17.91826596	0.0126808	0.0001082	0.0070477	0.01615	-20.459177
5835000000	1.308996939	3.141592654	-21.91534335	-22.79366733	-20.12385991	-23.55774195	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.308996939	3.161356817	-21.9153435	-22.79366701	-20.12385997	-23.55774216	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.308996939	3.161356817	-3.089232776	-17.08617508	-17.82237932	-23.94270553	0.0195606	0.0165106	0.0151938	0.0040339	-18.593434
5835000000	1.308996939	3.161356817	-3.036872899	-17.03355275	-14.77878244	-20.11302551	0.0197991	0.0332753	0.0133251	0.0097431	-17.204532
5835000000	1.308996939	3.161356817	-2.984513021	-17.25432364	-12.51862496	-18.77995082	0.0188177	0.0559935	0.0106647	0.0132436	-16.07657
5835000000	1.308996939	3.161356817	-2.932153143	-14.54227284	-10.704464	-18.87499632	0.0351377	0.0850264	0.0180742	0.0129569	-14.225222
5835000000	1.308996939	3.161356817	-2.879793266	-12.88298302	-9.433778458	-15.51013613	0.0514875	0.1139258	0.0308309	0.0276059	-12.521026
5835000000	1.308996939	3.161356817	-2.827433388	-12.16857997	-8.85631327	-13.27135652	0.0606935	0.1301274	0.047083	0.0693635	-11.145345
5835000000	1.308996939	3.161356817	-2.775073511	-11.39435135	-8.875700388	-9.350419597	0.0725379	0.1295478	0.0802754	0.1161336	-10.016375
5835000000	1.308996939	3.161356817	-2.722713633	-11.11283251	-9.204006296	-8.669836447	0.0773957	0.1201156	0.1255734	0.1358365	-9.4032191
5835000000	1.308996939	3.161356817	-2.67								

5835000000	1.361356817	0.052359878	0.054028147	-0.119602771	-2.002119136	0.644958404	1.0125181	0.9728362	0.6306495	1.1601011	-0.2501593
5835000000	1.361356817	0.104719755	-0.324394767	-0.422452601	-1.726699359	1.065458754	0.9280268	0.907308	0.6719393	1.2780442	-0.2395758
5835000000	1.361356817	0.157079633	-1.370258797	-0.373872699	-0.944983698	0.729414	0.729414	0.9175141	0.8044548	1.3994999	-0.1649969
5835000000	1.361356817	0.20943951	-2.296534107	0.03091251	-0.426407554	1.739178271	0.5893138	1.0071433	0.9064821	1.492512	-0.0049417
5835000000	1.361356817	0.261799388	-2.048268679	0.66213591	-0.363127123	1.915098774	0.6239835	1.1646987	0.919787	1.5542106	0.7622723
5835000000	1.361356817	0.314159265	-1.083568672	1.344228533	-0.684860071	1.986877819	0.7791896	1.3627709	0.8541104	1.5801117	0.5844353
5835000000	1.361356817	0.366519143	-0.379562176	1.942629283	-1.327398926	1.967208293	0.9163129	1.5640943	0.7366482	1.5729714	0.7827794
5835000000	1.361356817	0.41887902	-0.245945316	2.73506724	-2.133260031	1.926993687	0.9494927	1.7292217	0.6118909	1.5584733	0.8319153
5835000000	1.361356817	0.471238898	-0.628635798	2.610782621	-2.492763074	1.921672811	0.8652397	1.8242244	0.5625015	1.5565651	0.799524
5835000000	1.361356817	0.523598776	-1.273785661	2.623085085	-1.872595773	1.89744915	0.7457984	1.8293993	0.6497412	1.5479072	0.7671744
5835000000	1.361356817	0.575958653	-1.772999695	2.425237647	-0.895434686	1.766752169	0.6648138	1.7479289	0.8136854	1.520183	0.7265844
5835000000	1.361356817	0.628318531	-1.985514625	2.069026857	-0.478398069	1.557482316	0.6330653	1.6102848	0.8956951	1.4313579	0.5789451
5835000000	1.361356817	0.680678408	-2.140855203	1.665917702	-0.987136261	1.425239723	0.6108217	1.4675462	0.7966845	1.3884299	0.2770448
5835000000	1.361356817	0.733038286	-2.202212162	1.735906546	-2.40793268	1.484837238	0.6022653	1.3727475	0.5743898	1.4076145	-0.0469206
5835000000	1.361356817	0.785398163	-1.931386889	1.336302042	-4.433233346	1.660049195	0.6410048	1.3602859	0.3603103	1.4655644	-0.1918275
5835000000	1.361356817	0.837758041	-1.493309947	1.565264833	-6.530838231	1.795692485	0.7090372	1.4332952	0.2222881	1.5120608	-0.1352933
5835000000	1.361356817	0.890117919	-1.105181067	1.948837216	-8.533604454	1.845897826	0.7753216	1.5663316	0.140165	1.5296419	0.012245
5835000000	1.361356817	0.942477796	-0.622317507	2.265685174	-10.866638514	1.859413221	0.8664994	1.7086646	0.0819099	1.5344097	0.2030776
5835000000	1.361356817	0.994837674	0.027846745	2.570400651	-12.75313089	1.8311993008	1.0064326	1.8073409	0.0530502	1.4524753	0.405604
5835000000	1.361356817	1.047197551	0.562240437	2.610222172	-11.42431536	1.652327317	1.1382143	1.823989	0.0720391	1.4626969	0.5088254
5835000000	1.361356817	1.099557429	0.723591294	2.433226215	-8.54706922	1.199906996	1.1812971	1.7511471	0.1394856	1.3182285	0.4042018
5835000000	1.361356817	1.151917306	0.553053078	2.073503959	-6.052632793	0.470093225	1.135809	1.6119457	0.2481628	1.1143185	0.1180676
5835000000	1.361356817	1.204277184	0.345236312	1.583860908	-4.051728175	-0.389016721	1.0827386	1.4400782	0.3933935	0.9143202	-0.1881005
5835000000	1.361356817	1.256637061	0.274182816	0.990034492	-2.579461818	-1.167846717	1.0651684	1.2560399	0.5521459	0.7642146	-0.4124877
5835000000	1.361356817	1.308996939	0.105623307	0.258688901	-1.75125727	-1.722483594	1.0246188	1.0613751	0.6681505	0.6725919	-0.1671791
5835000000	1.361356817	1.361356817	-0.353054969	-0.684531787	-1.6730711893	-2.034256454	0.9219227	0.8541749	0.680288	0.626	-1.1317302
5835000000	1.361356817	1.413716694	-0.864422439	-1.886876572	-2.197648255	-2.197648255	0.8195166	0.8467008	0.5736771	0.602886	-1.7984981
5835000000	1.361356817	1.466076572	-1.049869291	-3.267282713	-3.990485082	-2.335832087	0.7852599	0.4712721	0.3989803	0.5840053	-2.5190563
5835000000	1.361356817	1.518436449	-0.901765363	-4.518024214	-6.326544724	-2.578398848	0.8125002	0.3534349	0.2329944	0.552281	-0.1717612
5835000000	1.361356817	1.570796327	-0.824865398	-5.218103306	-9.156716499	-3.024224809	0.8270151	0.3007389	0.1214307	0.4983994	-3.5962189
5835000000	1.361356817	1.623156204	-1.165449877	-5.299155689	-11.90924161	-3.500354274	0.7646365	0.2971783	0.0644282	0.4466472	-4.0591419
5835000000	1.361356817	1.675516082	-1.812309339	-5.137051077	-13.53055299	-3.480176831	0.6588235	0.3064043	0.0443552	0.4847721	-4.382101
5835000000	1.361356817	1.72787596	-2.382980586	-5.098076308	-12.98155239	-2.764547467	0.5776994	0.3091665	0.0503321	0.5291091	-4.3583056
5835000000	1.361356817	1.780235837	-2.828410447	-5.340158737	-11.13066688	-1.895623102	0.5213855	0.2924046	0.0770785	0.6463053	-4.1533701
5835000000	1.361356817	1.832595715	-3.414458585	-5.851871597	-9.453835674	-1.409460682	0.455569	0.2599039	0.1134009	0.7228956	-4.112429
5835000000	1.361356817	1.884955592	-3.915507372	-6.462496936	-8.415796539	-1.396331284	0.4059282	0.2258137	0.1440192	0.7254042	-4.2573443
5835000000	1.361356817	1.93731547	-3.389001054	-6.847917089	-7.903438492	-1.593922038	0.4582473	0.2066371	0.1620527	0.6927999	-4.2029158
5835000000	1.361356817	1.989675347	-2.240064294	-6.74195815	-7.74028564	-1.71282564	0.5970264	0.2117406	0.1682447	0.6726934	-3.8465368
5835000000	1.361356817	2.042035225	-1.856324634	-6.275056521	-7.937795361	-1.819171225	0.6521801	0.2357732	0.1607757	0.6577834	-3.6995056
5835000000	1.361356817	2.094395102	-2.722199328	-5.870416337	-8.511440753	-1.2190642	0.5342397	0.2587965	0.1408821	0.6124824	-4.1272729
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5835000000	1.361356817	2.199114858	-6.214075362	-6.370816792	-8.511171675	-3.821352621	0.2391071	0.2306313	0.1389917	0.4448258	-5.9194883
5835000000	1.361356817	2.251474735	-7.321979885	-7.370732126	-7.378860506	-4.923738227	0.1852687	0.1832006	0.1828656	0.3218297	-6.6096389
5835000000	1.361356817	2.303834613	-7.518522988	-8.837468991	-6.470180528	-5.722214798	0.1770711	0.1306932	0.2254157	0.2677802	-6.9844902
5835000000	1.361356817	2.35619449	-6.43247705	-10.8973409	-6.356441084	-6.274023403	0.22738	0.0813328	0.231396	0.2358292	-7.122329
5835000000	1.361356817	2.408554368	-5.475494283	-13.88223636	-7.002783398	-7.313479847	0.2834331	0.040905	0.1993984	0.1856316	-7.5118831
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5835000000	1.361356817	2.513274123	-7.699355595	-21.18155857	-9.939255824	-9.443383904	0.1698496	0.0076181	0.1014085	0.1136741	-10.081647
5835000000	1.361356817	2.565634	-9.988920527	-20.32985443	-12.24934639	-10.20566342	0.1002554	0.0092686	0.0595739	0.1511797	-10.965334
5835000000	1.361356817	2.617939878	-10.19100013	-18.01725715	-14.25141072	-7.88867014	0.0956974	0.0157861	0.0375715	0.1626047	-11.083794
5835000000	1.361356817	2.670353756	-7.530467814	-15.02474895	-14.85497589	-6.859476127	0.1765848	0.0314431	0.0326966	0.1361609	-10.258508
5835000000	1.361356817	2.722713633	-5.14903156	-12.50061727	-15.06776056	-8.567857266	0.3055602	0.0562261	0.0311332	0.1390639	-8.7616187
5835000000	1.361356817	2.775073511	-4.597631395	-11.21395768	-15.35677519	-7.321524431	0.346926	0.0756144	0.0291288	0.1852881	-7.979497
5835000000	1.361356817	2.827433388	-6.299765378	-11.16112592	-15.49274257	-6.464677371	0.2344355	0.0765398	0.028231	0.2257004	-8.5088327
5835000000	1.361356817	2.879793266	-10.19131656	-12.11567459	-15.92536577	-6.321895571	0.0956904	0.0614374	0.0255543	0.233244	-9.8304392
5835000000	1.361356817	2.932153143	-12.69919849	-14.04660065	-16.00610524	-6.986883097	0.0537131	0.0393858	0.0218469	0.2001298	-11.036453
5835000000	1.361356817	2.984513021	-11.94607255	-17.50169867	-17.23158457	-8.936219528	0.0638841	0.0177758	0.0189165	0.127755	-12.434942
5835000000	1.361356817	3.036872899	-13.34358257	-24.46158896	-18.8098216	-12.65873428	0.0643065	0.0035797	0.0131523	0.0542159	-15.329311
5835000000	1.361356817	3.089232776	-19.04944067	-38.51159553	-21.35076619	-18.07082342	0.0124647	0.0001409	0.007327	0.0155926	-20.517442
5835000000	1.361356817	3.141592654	-21.9153435	-22.79366701	-20.12385996	-23.55774216	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.361356817	3.141592654	-21.91534327	-22.79366688	-20.12386022	-23.55774182	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.413716694	-3.089232776	-17.08631538	-17.85482637	-18.25895062	-23.85867659	0.01956	0.0163877	0.0149316	0.0041128	-18.617608
5835000000	1.413716694	-3.036872899	-17.1148725	-14.90885502	-18.96491458	-19.82041893	0.0194318	0.0322935	0.0126914	0.0104222	-17.279333
5835000000	1.413716694	-2.984513021	-17.65700217	-12.74238057	-19.63097533	-18.20659733	0.0171514	0.0318122	0.0108666	0.0511126	-16.78376
5835000000	1.413716694	-2.932153143	-14.93363205	-10.96504676	-16.99911094	-17.96755454	0.0321097	0.0800747	0.0195967	0.0159678	-14.314787
5835000000	1.413716694	-2.879793266	-13.28738346	-9.702876176	-14.87344687	-14.89707398	0.0469096	0.107081	0.0325578	0.0323812	-12.617556
5835000000	1.413716694	-2.827433388	-12.60938345	-9.134868306	-13.29171833	-11.10989784	0.0548355	0.1220426	0.0468628	0.077448	-11.232211
5835000000	1.413716694										

5835000000	1.413716694	-0.052359878	-0.418962745	0.989652383	-0.206839641	0.706184997	0.9080374	1.2559294	0.9534898	1.176572	0.3080494
5835000000	1.413716694	-4.44E-16	-0.18701258	0.410326664	-1.242996538	0.470273741	0.9578527	1.0990885	0.7511045	1.1143648	-0.0850695
5835000000	1.413716694	0.052359878	0.059738705	-0.12233407	-0.203305059	0.465650019	1.0138504	0.9722246	0.6261739	1.1605263	-0.2539907
5835000000	1.413716694	0.104719755	-0.356888732	-0.427871251	-1.749436462	1.057030173	0.9211092	0.9061767	0.6684306	1.2755662	-0.2557089
5835000000	1.413716694	0.142797633	-1.462999746	-0.379029037	-0.9481836694	1.442558643	0.714003	0.9164254	0.8050379	1.3939778	-0.1892426
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5835000000	1.413716694	0.261799388	-2.040170569	0.689628689	-0.464970276	1.877901806	0.6251481	1.1720951	0.8984687	1.5409558	0.2496442
5835000000	1.413716694	0.314159265	-1.020314111	1.403805991	-0.847775527	1.939105066	0.7906214	1.3815945	0.8226639	1.5628256	0.5668626
5835000000	1.413716694	0.366519143	-0.353805652	0.208443994	-1.53748521	1.905621884	0.9217633	1.5953075	0.7221462	1.5508228	0.7827914
5835000000	1.413716694	0.41887902	-0.317420835	2.470325319	-1.959808846	1.838612416	0.9295182	1.7661701	0.6368235	1.5270781	0.8453964
5835000000	1.413716694	0.471238898	-0.802539382	2.686463497	-2.100816606	1.798552169	0.8312776	1.8562922	0.6164791	1.5130567	0.8072618
5835000000	1.413716694	0.523598776	-1.472961114	2.675557348	-1.598098058	1.760249615	0.7123672	1.8516365	0.6932836	1.499771	0.7527849
5835000000	1.413716694	0.575958653	-1.858083379	2.469558756	-0.875287587	1.661052483	0.651916	1.7658584	0.8174689	1.465903	0.7014378
5835000000	1.413716694	0.628318531	-1.90477635	2.129324055	-0.58447791	1.521762825	0.6494945	1.6327978	0.8740821	1.4196336	0.5799475
5835000000	1.413716694	0.680678408	-1.987333342	1.745838693	-0.991289867	1.455239911	0.6328003	1.4948027	0.7959229	1.3980541	0.3358257
5835000000	1.413716694	0.730308286	-2.101133557	1.433496425	-2.025213874	1.52824194	0.6164341	1.3910721	0.6273048	1.4217531	0.0609835
5835000000	1.413716694	0.785398163	-1.907075026	1.298131519	-3.404410374	1.652966814	0.6446033	1.3483826	0.4566242	1.4631764	-0.0957384
5835000000	1.413716694	0.837758041	-1.463822244	1.386956391	-4.88830119	1.690657938	0.7138678	1.7362446	0.3244665	1.4759301	-0.1205356
5835000000	1.413716694	0.890117919	-1.01570161	1.656391698	-6.455991876	1.613214598	0.7914616	1.4643307	0.2259478	1.4498446	-0.0749235
5835000000	1.413716694	0.942477796	-0.489952475	1.984704668	-7.732656821	1.494720073	0.8933153	1.5793212	0.1685522	1.4108213	0.0561051
5835000000	1.413716694	0.994837674	0.143755825	2.220084712	-7.705634805	1.367993008	1.0336549	1.6672797	0.1775974	1.3702484	0.262043
5835000000	1.413716694	1.047197551	0.613773176	2.236178519	-6.092754693	1.147916684	1.1518006	1.6734697	0.2458807	1.3025418	0.3878829
5835000000	1.413716694	1.099557429	0.723280737	1.973312327	-4.924316822	0.722303884	1.1812126	1.5751838	0.3218536	1.1809469	0.7276773
5835000000	1.413716694	1.151917306	0.579858755	1.456203712	-4.36636287	0.099646691	1.1428412	1.3983644	0.3658784	1.0232097	0.0763499
5835000000	1.413716694	1.204277184	0.492586938	0.778955013	-4.09930234	-0.546107322	1.1201049	1.1645554	0.3891076	0.8818389	-0.4726725
5835000000	1.413716694	1.256637061	0.562845373	0.041530918	-3.776058513	-0.99712642	1.1383729	1.0096087	0.4191738	0.794854	0.7546107
5835000000	1.413716694	1.308996939	0.436642181	-0.739872745	-3.466103323	-1.154332683	1.1057685	0.8433595	0.4501836	0.7665967	-0.1056171
5835000000	1.413716694	1.361356817	-0.150452749	-1.651561942	-3.152859271	-1.10289004	0.9659502	0.6836657	0.4453629	0.7757542	-1.4406855
5835000000	1.413716694	1.413716694	-0.882728219	-2.775311115	-4.185704974	-1.048077534	0.8160696	0.5277994	0.3814429	0.7855833	-0.2023142
5835000000	1.413716694	1.466076572	-1.142784004	-0.418645808	-5.559869666	-1.149466308	0.7686376	0.3964017	0.2779797	0.7674558	-2.5757444
5835000000	1.413716694	1.518436449	-0.850758347	-5.008758877	-6.48466698	-1.444866698	0.8220991	0.3155906	0.1785473	0.7169904	-2.9387403
5835000000	1.413716694	1.570796327	-0.584862957	-5.337845059	-5.982909435	-1.839330415	0.8740046	0.2925604	0.1100802	0.6547371	-3.1619176
5835000000	1.413716694	1.623156204	-0.843333912	-5.072207329	-11.50070499	-2.045602157	0.8235057	0.3110135	0.0707831	0.6243668	-3.3968744
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5835000000	1.413716694	1.72787596	-2.119179612	-4.262616717	-10.01621228	-1.293349304	0.613878	0.3747471	0.049932	0.7424463	-3.5139524
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5835000000	1.413716694	1.832595715	-2.84047137	-4.333141815	-9.910710715	-0.83617781	0.5199396	0.3687108	0.1020914	0.5828958	-3.430385
5835000000	1.413716694	1.884955592	-3.423553306	-4.896873307	-6.96998307	-1.034971676	0.4546181	0.3238267	0.1268555	0.7479576	-3.733369
5835000000	1.413716694	1.93731547	-3.179025886	-5.736629088	-8.888097168	-1.318719742	0.4809472	0.2668929	0.1291785	0.7381218	-3.938497
5835000000	1.413716694	1.989675347	-2.088033395	-6.422060868	-9.612391106	-1.627818351	0.6182963	0.227926	0.1090558	0.6874137	-3.8650389
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5835000000	1.413716694	2.094395102	-2.249825335	-5.927389728	-13.19912449	-2.708810092	0.5956861	0.2554236	0.0478727	0.5359435	-4.4523053
5835000000	1.413716694	2.14675498	-3.784621676	-5.597026341	-13.30279645	-3.517968633	0.4183481	0.2756115	0.0467434	0.4448671	-5.2813272
5835000000	1.413716694	2.199114858	-5.259996415	-5.802133884	-10.36252071	-4.575502901	0.2978519	0.2682897	0.0919915	0.3486982	-6.0143539
5835000000	1.413716694	2.251474735	-6.264578266	-6.564456615	-7.595274523	-5.810024237	0.2363427	0.220574	0.1739693	0.2624204	-6.5105956
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5835000000	1.413716694	2.565634	-8.937365843	-20.75010698	-11.61855827	-7.968942328	0.1277213	0.0084137	0.0688881	0.1596268	-10.401838
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5835000000	1.413716694	2.670353756	-7.95663607	-16.84839725	-15.70507091	-7.880395957	0.1600797	0.0206614	0.0268839	0.1629147	-10.322521
5835000000	1.413716694	2.722713633	-5.450062472	-14.08442872	-15.70393823	-7.932317362	0.2850977	0.0394423	0.026891	0.1609786	-9.8278012
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5835000000	1.413716694	2.879793266	-9.13075072	-13.38307268	-15.0896202	-6.220701226	0.1221588	0.0458873	0.0308392	0.2387426	-9.6095489
5835000000	1.413716694	2.932515313	-12.39002104	-15.28182491	-17.00991611	-6.984457253	0.0576764	0.0296359	0.0199071	0.2002416	-11.142701
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5835000000	1.413716694	3.089232776	-19.14603014	-37.19022697	-21.19121952	-18.22682962	0.012173	0.000191	0.0076011	0.0150374	-20.57961
5835000000	1.413716694	3.141592654	-22.79366688	-22.79366688	-20.12386028	-23.55774182	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	1.466076572	-3.036872899	-17.9068359	-15.08938228	-19.1297972	-19.52888915	0.0190955	0.0309786	0.0122186	0.0111458	-17.361363
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5835000000	1.466076572	0.41887902	-0.401299791	2.50270155	-1.77244399	1.748702251	0.9117379	1.7793859	0.6648989	1.4957886	0.8384392
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5835000000	1.466076572	1.151917306	0.554547614	0.999869697	-3.06247185	-0.253894941	1.1361999	1.2588766	0.4940294	0.9432146	-0.1859691
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5835000000	1.466076572	1.466076572	-1.011165047	-4.190755312	-4.930237381	-0.472403675	0.7922888	0.3809996	0.3213485	0.8969322	-2.2337707
5835000000	1.466076572	1.518436449	-0.63859509	-6.7709297	-5.380206999	-0.765517293	0.8632578	0.3406361	0.2897205	0.8383942	-2.3432984
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5835000000	1.466076572	1.623156204	-0.342454805	-4.194124719	-6.744756819	-1.017901198	0.9241756	0.3807004	0.2116042	0.7910608	-2.3890968
5835000000	1.466076572	1.675516082	-1.06250448	-3.6893496	-8.2843684724	-0.64629846	0.78297	0.4276269	0.1638821	0.8444424	-2.5591651
5835000000	1.466076572	1.72787596	-1.716401608	-3.254869525	-9.84867115	-0.502308783	0.6735345	0.472621	0.1273893	0.8907773	-2.667381
5835000000	1.466076572	1.780235837	-1.940697145	-2.955896605	-9.284196677	-0.556443613	0.6396322	0.5063028	0.1179817	0.8797426	-2.7091712
5835000000	1.466076572	1.832595175	-2.226176315	-2.903691274	-8.765438449	-0.849454736	0.5989387	0.5124257	0.1329065	0.8223459	-2.8680005
5835000000	1.466076572	1.884955592	-2.82607909	-3.267350151	-8.266032703	-1.178616597	0.5216666	0.4712648	0.1490722	0.7623218	-3.2231884
5835000000	1.466076572	1.93731547	-2.865667468	-4.154606146	-8.513014214	-1.17548595	0.5169318	0.3841841	0.1408311	0.7118941	-3.5806974
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5835000000	1.466076572	2.094395102	-1.831918771	-5.982207801	-18.15402394	-3.86573002	0.6558554	0.2522198	0.0152967	0.4160676	-4.7691081
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5835000000	1.466076572	2.303834613	-5.967668117	-6.300021748	-6.181355053	-8.165831147	0.2530656	0.234217	0.2409154	0.1525576	-6.5710658
5835000000	1.466076572	2.35619449	-5.557433807	-7.38838278	-6.105282418	-7.885598163	0.2781356	0.1824575	0.2426452	0.1627197	-6.6456313
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5835000000	1.466076572	2.460914245	-5.047522714	-11.19174868	-8.712320329	-9.992488058	0.3127863	0.076002	0.1345141	0.1001731	-8.0724405
5835000000	1.466076572	2.513274123	-6.50568715	-14.42462986	-10.0972515	-10.03546296	0.2235791	0.0361025	0.0997763	0.0991868	-9.4058361
5835000000	1.466076572	2.565634	-8.195892788	-17.80330595	-11.26482814	-7.986679873	0.1514993	0.0165832	0.0747338	0.1589762	-9.980581
5835000000	1.466076572	2.617939878	-9.248992816	-19.65693765	-13.6253978	-7.095748656	0.1188787	0.010822	0.0433971	0.1951754	-10.35891
5835000000	1.466076572	2.670353756	-8.345363242	-18.80433461	-17.08102071	-7.459925275	0.1463739	0.0131694	0.0195383	0.1794766	-10.474452
5835000000	1.466076572	2.722713633	-5.807533899	-16.05758259	-15.87307225	-7.565521262	0.2625709	0.024788	0.0258638	0.1751652	-9.1329503
5835000000	1.466076572	2.775073511	-4.418527065	-14.10666913	-12.90896562	-6.836786207	0.3615325	0.0388448	0.0511804	0.2071674	-7.8335583
5835000000	1.466076572	2.827433388	-5.201984624	-13.72883881	-12.342739254	-7.237466266	0.3018572	0.0423756	0.0583077	0.2378227	-7.956357
5835000000	1.466076572	2.879793266	-8.28372925	-14.69275735	-14.23473002	-6.231422188	0.148466	0.033941	0.0377161	0.2385139	-9.4093187
5835000000	1.466076572	2.932153143	-11.95259541	-16.65045175	-17.42951165	-7.078462614	0.0637882	0.0216249	0.0180738	0.1959538	-11.257491
5835000000	1.466076572	2.984513021	-12.50688329	-19.85278444	-18.3044455	-9.244046324	0.0561451	0.0103448	0.014776	0.1190133	-13.004244
5835000000	1.466076572	3.036872899	-13.79851564	-26.35182068	-18.81841312	-13.10925989	0.0417008	0.0023164	0.0131268	0.0488736	-15.766819
5835000000	1.466076572	3.089232776	-19.25679238	-35.87169416	-21.0408504	-18.38968213	0.0118664	0.0002587	0.0078689	0.0144888	-20.644567
5835000000	1.466076572	3.141592654	-21.9153432	-22.79366739	-20.13359898	-23.55774194	0.0064388	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.466076572	3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0064388	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.466076572	3.089232776	-17.11599547	-17.97770362	-18.40022007	-23.59382087	0.0194268	0.0159305	0.0144537	0.0043714	-18.682025
5835000000	1.466076572	3.036872899	-17.25790616	-15.31982357	-19.23857179	-19.23939396	0.0188022	0.0293777	0.0119163	0.0119141	-17.446651
5835000000	1.466076572	2.984513021	-18.40027583								

5835000000	1.518436449	-0.261799388	1.299628289	1.516164771	-0.277369691	1.782221209	1.3488474	1.4178049	0.93813	1.5073778	1.1495776
5835000000	1.518436449	-0.20943951	1.179234984	1.552484435	-0.435671075	1.750286572	1.3119688	1.4297116	0.9045507	1.4963344	1.0911983
5835000000	1.518436449	-0.157079633	0.707122112	1.573167024	-0.063694876	1.544283634	1.1768259	1.4365366	0.9854407	1.4271044	0.9914674
5835000000	1.518436449	-0.104719755	-0.050875336	1.401727973	0.192369379	1.132630925	0.9883539	1.3809336	1.0452903	1.2979653	0.7119535
5835000000	1.518436449	-0.052359878	-0.470767975	0.981338755	-0.21103534	0.675290638	0.8972701	1.2535275	0.952569	1.1682319	0.2853044
5835000000	1.518436449	-4.44E-16	-0.187012965	0.410326961	-0.242996351	0.470273792	0.9578526	1.0998086	0.7511045	1.1164368	-0.085095
5835000000	1.518436449	0.052359878	0.070590318	-0.123594226	-0.292252308	0.649979768	1.0163868	0.9719425	0.617696	1.1614432	-0.2601036
5835000000	1.518436449	0.104719755	-0.411273156	-0.425996204	-1.809380346	1.036385081	0.9096466	0.906568	0.659268	1.269517	-0.2860283
5835000000	1.518436449	0.157079633	-1.612383673	-0.365655922	-0.968691711	1.394502133	0.6898611	0.9192516	0.8000752	1.3786379	-0.2366999
5835000000	1.518436449	0.20943951	-2.499367701	0.063076066	-0.252569846	1.634526094	0.5624232	1.0146298	0.8866312	1.4569767	-0.0870071
5835000000	1.518436449	0.261799388	-1.947362882	0.732103843	-0.665730996	1.766458592	0.6386512	1.1836148	0.8578807	1.5019167	-0.1933062
5835000000	1.518436449	0.314159265	-0.842589582	1.457174805	-1.117913651	1.804112898	0.8236468	1.3986772	0.7730519	1.5149953	0.5215229
5835000000	1.518436449	0.366519143	-0.281568037	2.074905024	-1.491561455	1.75603753	0.9372236	1.6124658	0.7093227	1.4983172	0.7530321
5835000000	1.518436449	0.41887902	-0.489214725	2.473272883	-1.607230232	1.658179628	0.893467	1.7673692	0.6906802	1.4649337	0.8066707
5835000000	1.518436449	0.471238898	-1.225284041	2.604517027	-1.520344869	1.553187625	0.7541741	1.8215945	0.7046371	1.4299431	0.7099308
5835000000	1.518436449	0.523598776	-1.889880982	2.488831528	-1.359558509	1.442531173	0.6471604	1.7737122	0.7312134	1.393969	0.5557469
5835000000	1.518436449	0.575958653	-1.892195861	2.198014368	-1.275639697	1.310716606	0.6468155	1.6588283	0.7454801	1.3522957	0.4173007
5835000000	1.518436449	0.628318531	-1.547415075	1.825577846	-1.363839619	1.195532556	0.7002587	1.5225017	0.730493	1.3169014	0.2838362
5835000000	1.518436449	0.680678408	-1.54228297	1.46454704	-1.56126632	1.184134784	0.7010867	1.4010535	0.6995799	1.3134498	0.1232777
5835000000	1.518436449	0.730382826	-1.922166286	1.192290672	-1.68996555	1.311499289	0.6423672	1.3159187	0.6762392	1.3525394	-0.0140672
5835000000	1.518436449	0.785398163	-2.186685219	1.047572943	-1.903758393	1.686867122	0.6044098	1.2727916	0.6450957	1.4088239	-0.0754358
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5835000000	1.518436449	0.890117919	-1.640849436	1.11537559	-3.774181431	1.507857243	0.6853542	1.2928185	0.419355	1.4150954	-0.2083611
5835000000	1.518436449	0.942477796	-0.976328382	1.287719206	-1.527407721	1.318884268	0.7986696	1.3451537	0.3070855	1.3548413	-0.2161972
5835000000	1.518436449	0.994837674	-0.174728152	1.460495541	-5.064833269	1.07851021	0.9605659	1.3997447	0.311542	1.2818908	-0.0505125
5835000000	1.518436449	1.047197551	0.375006817	1.490006934	-1.801924538	0.805197479	1.0901862	1.409291	0.4158221	1.2037041	-0.1273216
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5835000000	1.518436449	1.204277184	0.76089024	-2.25052085	-4.30790219	-0.490639947	1.1914862	0.9494996	0.3708598	0.9494039	-0.6994039
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5835000000	1.518436449	1.675516082	-0.422464567	-3.23422625	-4.85025557	-0.63147583	0.9073055	0.4748729	0.327314	0.8644313	-1.9147826
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5835000000	1.518436449	2.617993878	-8.953573541	-17.88770448	-13.77139621	-7.12216615	0.1272456	0.0186691	0.0419624	0.1939918	-10.201458
5835000000	1.518436449	2.670353756	-8.692034222	-19.21273425	-19.2006786	-7.392612544	0.1351439	0.0119874	0.0120208	0.1822799	-10.687557
5835000000	1.518436449	2.722713633	-6.185389485	-17.87519272	-15.43912706	-7.470789908	0.2409617	0.016311	0.0285816	0.1790235	-9.3497346
5835000000	1.518436449	2.775073511	-4.465063051	-15.38417272	-11.56484041	-6.838076062	0.3576792	0.0289456	0.0697455	0.2071059	-7.8023468
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5835000000	1.518436449	2.932153143	-11.48381181	-17.97842183	-17.97842183	-7.278049902	0.071059	0.0159279	0.0163205	0.1871522	-11.389743
5835000000	1.518436449	2.984513021	-12.70181957	-21.20523337	-19.00676109	-9.511244321	0.0536807	0.0075676	0.0125697	0.119117	-13.331576
5835000000	1.518436449	3.036872899	-14.03000499	-27.30979279	-18.85578263	-13.9953273	0.0395366	0.0018579	0.0130143	0.0457664	-16.012996
5835000000	1.518436449	3.089232764	-19.38010838	-34.63548362	-20.89933653	-18.55390342	0.0115342	0.0003439	0.0081295	0.0139511	-20.711071
5835000000	1.518436449	3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.570796327	-3.141592654	-21.91534299	-22.79366716	-20.12386043	-23.55774188	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
5835000000	1.570796327	-3.089232									

5835000000	1.570796327	-0.366519143	1.155388813	1.715372369	0.28546613	1.23895605	1.3047848	1.4843531	1.0679394	1.3301346	1.12874
5835000000	1.570796327	-0.314159265	1.225951211	1.654063771	0.204441684	1.710903832	1.3261575	1.463546	1.0482	1.4828267	1.2391125
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5835000000	1.570796327	-0.20943951	1.188187617	1.505538338	-0.52680792	1.831618183	1.3146761	1.41434	0.8857664	1.5246207	1.088527
5835000000	1.570796327	-0.157079633	0.701436255	1.523134075	-0.151566141	1.570422447	1.1752862	1.420082	0.9657026	1.4356291	0.9662326
5835000000	1.570796327	-0.104719755	-0.07932608	1.373862293	0.148124124	1.119869104	0.9819003	1.3721015	1.0346951	1.2941589	0.684506
5835000000	1.570796327	-0.052359878	-0.496638299	0.973383159	0.66004785	0.8919411	0.8919411	1.2512334	0.9512983	1.1641368	0.2728004
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5835000000	1.570796327	0.052359878	0.076010247	-0.122162541	-1.220401496	0.5702330067	1.0176561	0.972263	0.6137053	1.1021084	-0.2622088
5835000000	1.570796327	0.104719755	-0.431731683	-0.419245344	-0.847196573	1.025340507	0.9053715	0.9079783	0.6535523	1.2662925	-0.2997936
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5835000000	1.570796327	0.20943951	-2.523261653	0.081950112	-0.566394916	1.581322793	0.5593374	1.0190489	0.8777291	1.4392369	-0.115132
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5835000000	1.570796327	0.314159265	-0.742169181	1.440052197	-1.218305887	1.704019221	0.8429136	1.3931735	0.7553868	1.4804779	0.4843713
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5835000000	1.570796327	0.523598776	-2.09267182	2.300554939	-1.352735091	1.370967	0.6176363	1.6984607	0.7323632	1.371187	0.4332761
5835000000	1.570796327	0.575958653	-1.865972346	1.975651822	-1.585485355	1.246759265	0.6507329	1.5760325	0.694147	1.3325267	0.2668024
5835000000	1.570796327	0.628318531	-1.338588343	1.604713005	-1.945358453	1.12669691	0.7347527	1.4470092	0.638946	1.2962745	0.1251902
5835000000	1.570796327	0.680678408	-1.311252893	1.297546327	-2.079694817	1.076352907	0.7393919	1.1854319	0.8413312	1.2812542	-0.0126872
5835000000	1.570796327	0.730382826	-1.838258353	1.123566854	-1.81487932	1.131199722	0.6548988	1.2952592	0.6584337	1.2975377	-0.1031337
5835000000	1.570796327	0.785398163	-2.39923257	1.067478665	-1.571252596	1.254735323	0.5755416	1.2786388	0.6964256	1.3350495	-0.125957
5835000000	1.570796327	0.837558041	-2.541654658	1.046822829	-1.946549634	1.368186248	0.5569735	1.2725718	0.6387708	1.3703094	-0.1788426
5835000000	1.570796327	0.890117919	-2.239532165	1.003073251	-3.26733317	1.411876345	0.5970996	1.2598164	0.4712666	1.3841643	-0.3241144
5835000000	1.570796327	0.942477796	-1.508588485	0.948016297	-5.228276456	1.3771004	0.7065472	1.2439463	0.3000353	1.3731249	-0.4291331
5835000000	1.570796327	0.994837674	-0.567267233	0.90024863	-6.079647656	1.285304802	0.8775528	1.2303392	0.2466239	1.3444061	-0.3398481
5835000000	1.570796327	1.047197551	0.092221517	0.800310858	-5.028641043	1.141138021	1.0214619	1.2023505	0.3141492	1.3005103	-0.1790164
5835000000	1.570796327	1.09557429	0.306006643	0.521386245	-4.104686597	0.902884645	1.0730023	1.1275573	0.3886255	1.2310862	-0.1996578
5835000000	1.570796327	1.151917306	0.393211374	-0.045244645	-4.243163927	0.526828174	1.0947656	0.9893661	0.3764295	1.1289711	-0.4698947
5835000000	1.570796327	1.204277184	0.771597503	-0.906582026	-1.544956244	0.053408759	1.1944272	0.8115995	0.3058471	1.0123738	-0.803666
5835000000	1.570796327	1.256637061	1.384047926	-1.911216256	-5.606480192	-0.371152887	1.3753233	0.6439889	0.2750122	0.9180888	-0.9522859
5835000000	1.570796327	1.308996939	1.6588911	-2.791790935	-4.745102544	-0.60352011	1.4651377	0.5258004	0.3353434	0.8702579	-0.9737504
5835000000	1.570796327	1.361356817	1.186657532	-3.392184554	-3.3879393201	-0.686607106	1.314213	0.4579115	0.4573051	0.8539635	-1.130311
5835000000	1.570796327	1.413716694	0.219230166	-3.808311654	-2.33757863	-0.348497501	1.0517574	0.4160723	0.5837705	0.8234747	-1.4340811
5835000000	1.570796327	1.466076572	-0.326608316	-4.174990395	-1.687783233	-1.215142011	0.9275539	0.3823851	0.6779875	0.7559373	-1.6369744
5835000000	1.570796327	1.518436449	0.086325288	-4.449090449	-1.411186076	-1.611854731	1.020076	0.3589971	0.7225724	0.6899451	-1.5620826
5835000000	1.570796327	1.570796327	0.747353617	-4.46839364	-1.535760438	-1.653642292	1.1877782	0.3574048	0.7021404	0.6864925	-1.3462714
5835000000	1.570796327	1.623156204	0.805575693	-1.184368118	-2.150082959	-1.21377572	1.203809	0.3815603	0.6095253	0.7561752	-1.3208052
5835000000	1.570796327	1.675516082	0.115760153	-3.716431548	-3.3028626	-0.781282184	1.0270132	0.4249686	0.4674269	0.8353564	-1.6197542
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5835000000	1.570796327	1.780235837	-0.986594438	-2.490504775	-6.347944318	-1.090184273	0.7967839	0.5635721	0.2318492	0.7780035	-2.2727339
5835000000	1.570796327	1.832595715	-1.137090554	-1.839974695	-7.104656584	-1.497491341	0.7696459	0.65464	0.1947755	0.7082814	-2.3519963
5835000000	1.570796327	1.884955592	-1.732856797	-1.457506688	-7.221298854	-1.694337433	0.6709873	0.7149066	0.1895838	0.6769651	-2.4940622
5835000000	1.570796327	1.93731547	-2.269371466	-1.608783547	-7.454631884	-1.953069631	0.5930111	0.6904332	0.1796953	0.6378125	-2.7964383
5835000000	1.570796327	1.989675347	-1.796821419	-2.416847202	-8.23412213	-2.757224333	0.6611772	0.573232	0.1501716	0.5300201	-3.1999306
5835000000	1.570796327	2.042035225	-1.149189628	-3.694249336	-9.23875403	-2.675085119	0.7675047	0.4271447	0.1191584	0.3735891	-3.7484274
5835000000	1.570796327	2.094395102	-1.420622084	-4.745672405	-9.305585624	-6.034869096	0.7210042	0.3532994	0.1173387	0.2491799	-4.4890934
5835000000	1.570796327	2.14675498	-2.560794925	-4.941402709	-8.069681788	-7.312191801	0.5545242	0.3205234	0.1559667	0.1857252	-5.168624
5835000000	1.570796327	2.199114858	-3.704715352	-4.73642171	-8.386532812	-8.58552812	0.4261166	0.3360144	0.2107345	0.1384671	-5.5621594
5835000000	1.570796327	2.251474735	-4.426180417	-4.807691329	-6.295287374	-10.36110788	0.3608959	0.3305452	0.2346774	0.0902215	-5.9425249
5835000000	1.570796327	2.303834613	-5.125734451	-5.276023622	-7.083302771	-10.95561752	0.3072038	0.2967547	0.1957356	0.0802487	-6.5760555
5835000000	1.570796327	2.35619449	-5.29222388	-6.001191622	-9.503267373	-10.30698347	0.2956498	0.2511197	0.1121175	0.0931755	-7.2580606
5835000000	1.570796327	2.408554368	-4.782459234	-7.035867621	-13.42266485	-10.76886264	0.3324712	0.1978852	0.0454709	0.0837749	-7.8277792
5835000000	1.570796327	2.460914245	-4.896953278	-8.636778196	-13.817853187	-11.81855139	0.3238207	0.1368744	0.0415548	0.0657877	-8.4608285
5835000000	1.570796327	2.513274123	-6.041202807	-10.72732231	-11.19242033	-10.26116835	0.2488168	0.0845818	0.0759904	0.0941636	-9.001526
5835000000	1.570796327	2.565634	-7.506439585	-12.61321517	-10.87110165	-8.065670353	0.1775645	0.0547871	0.0818257	0.1561108	-9.29696
5835000000	1.570796327	2.617993878	-8.859609766	-14.39196233	-14.06525417	-7.338874205	0.300286	0.0363751	0.039217	0.1845494	-10.10806
5835000000	1.570796327	2.670353756	-9.001398501	-17.12107673	-22.05303132	-7.624670291	0.125852	0.019404	0.0062323	0.1727957	-10.911343
5835000000	1.570796327	2.722713633	-6.542112036	-18.16508137	-14.52417495	-7.614227276	0.2217118	0.0152578	0.0352844	0.1732117	-9.5324573
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5835000000	1.570796327	2.827433388	-4.710018602	-14.8135571	-10.08011907	-6.541369892	0.3380634	0.0330099	0.0981721	0.2217497	-7.6258004
5835000000	1.570796327	2.879793266	-7.168783404	-16.07097225	-12.78912626	-6.638315356	0.1919206	0.0247117	0.0526123	0.2170793	-9.1513431
5835000000	1.570796327	2.932153143	-11.0522799	-18.94068256	-18.36446207	-7.590658247	0.0784824	0.0127624	0.0145732	0.1741543	-11.549451
5835000000	1.570796327	2.984513021	-12.84248177	-22.51826814	-19.80833033	-9.861135197	0.0519699	0.0055998	0.0104515	0.1032491	-13.683779
5835000000	1.570796327	3.036872899	-14.25896958	-28.12313938	-18.899311276	-13.72122903	0.0375062	0.0015406	0.0128851	0.0424499	-16.271715
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5835000000	1.623156204	-0.471238898	1.110264399	1.050844159	-1.040692792	-0.700170219	1.2912979	1.2737506	0.7869202	0.8511047	0.2150699
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5835000000	1.623156204	0.104719755	-0.446684807	-0.409200692	-1.890409675	1.014624099	0.9022222	0.9100808	0.6470816	1.2631718	-0.3121871
5835000000	1.623156204	0.157079633	-1.706881705	-0.328157497	-1.034428646	1.33258376	0.6750125	0.9272231	0.7880561	1.3591218	-0.2809665
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5835000000	1.623156204	0.471238898	-1.672028085	2.277818422	-1.286372962	1.431675047	0.6804515	1.689592	0.7436399	1.3904888	0.51555
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5835000000	1.623156204	0.575958653	-1.85580181	1.75826356	-1.856055129	1.39418108	0.6502258	1.4990835	0.652219	1.3643061	0.1785407
5835000000	1.623156204	0.628318531	-1.183390662	1.425382198	-2.52106536	1.266843862	0.7614843	1.3884755	0.5596203	1.3387035	0.0521093
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5835000000	1.623156204	0.733038286	-1.798887982	1.152578785	-2.171287868	1.112693335	0.6608262	1.3039408	0.6065564	1.2920203	-0.1509254
5835000000	1.623156204	0.785398163	-2.634411955	1.180571391	-1.583625691	1.074351339	0.5452037	1.3123726	0.6944443	1.2806638	-0.1855693
5835000000	1.623156204	0.837558041	-3.085947407	1.135854814	-1.763478674	1.078339611	0.4913662	1.298929	0.6662729	1.2818404	-0.2937324
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5835000000	1.623156204	0.942477796	-2.177822587	0.534772996	-5.637070527	1.149558644	0.6056444	1.1310383	0.2730819	1.3030343	-0.8186491
5835000000	1.623156204	0.994837674	-1.11509309	0.097108459	-1.550957842	1.1475511049	0.7735541	1.0226119	0.1682576	1.3024201	-0.8793163
5835000000	1.623156204	1.047197551	-0.354266324	-0.328173984	-6.887584648	1.082326277	0.9216656	0.9272196	0.20476	1.2830176	-0.7874677
5835000000	1.623156204	1.099557429	-0.07317744	-0.790962108	-5.365875959	0.951960574	0.9832914	0.8334965	0.2906782	1.2347984	-0.7801917
5835000000	1.623156204	1.151917306	0.085493389	-1.417317384	-4.704591527	0.622435851	1.0198806	0.721553	0.3384861	1.1541004	0.9231727
5835000000	1.623156204	1.204277184	0.556842867	-2.267981329	-4.420601713	0.2505735	1.1368006	0.593201	0.3613598	1.0593936	-0.1036456
5835000000	1.623156204	1.256637061	1.262365734	-3.205170658	-3.689975556	-0.074796603	1.3373238	0.4780606	0.4275653	0.9829249	-0.9341251
5835000000	1.623156204	1.308996939	1.61361456	-3.909349782	-2.534646663	-0.262250865	1.4499781	0.4065042	0.557873	0.9414016	-0.762695
5835000000	1.623156204	1.361356817	1.189328132	-4.196459708	-1.515839388	-0.371518277	1.3150214	0.3804994	0.7053685	1.0918016	-0.810657
5835000000	1.623156204	1.413716694	0.230786976	-4.245609563	-0.884009727	-0.563038491	1.054578	0.3762175	0.8158288	0.8784077	-0.1072055
5835000000	1.623156204	1.466076572	-0.312967289	-4.314840304	-0.604395	-0.71714301	0.9304719	0.3702678	0.8700823	0.8171197	-0.12668786
5835000000	1.623156204	1.518436449	0.150720484	-4.457740041	-0.602988008	-1.091496184	1.0353139	0.3582828	0.8703646	1.0777686	-1.1893936
5835000000	1.623156204	1.570796327	0.886376164	-4.542527712	-0.893495558	-0.9576035	1.2264155	0.3513559	0.8140488	0.8021206	-0.9773314
5835000000	1.623156204	1.623156204	1.004053692	-4.453977259	-1.564361546	-0.608683849	1.2600101	0.3585934	0.6975315	0.8692238	-0.9888923
5835000000	1.623156204	1.675516082	0.329585359	-4.223417156	-0.824931156	-0.608354664	1.0788437	0.3781449	0.5404519	0.9060758	-1.3913572
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5835000000	1.623156204	1.780235837	-0.844687134	-3.317511909	-5.515688635	-0.139832468	0.8232491	0.4658529	0.280822	0.7656261	-2.3367079
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5835000000	1.623156204	1.884955592	-1.562308392	-1.860884299	-0.7075818631	-0.938337215	0.6978614	0.6514957	0.1960732	0.631199	-2.6427554
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5835000000	1.623156204	1.989675347	-1.98956038	-2.007954235	-8.934770891	-3.817904748	0.6324759	0.6298028	0.1277977	0.4151543	-3.455273
5835000000	1.623156204	2.042035225	-1.331456914	-3.044400678	-6.987348779	-5.5928969	0.7359602	0.4960894	0.1074645	0.2760394	-3.9373886
5835000000	1.623156204	2.094395102	-1.507459312	-4.303311858	-8.866377686	-7.165367382	0.7067309	0.371252	0.1298262	0.1927016	-4.5596896
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5835000000	1.623156204	2.199114858	-3.689876916	-5.345260378	-5.828981105	-0.08697648	0.427575	0.2920613	0.2612774	0.1256407	-5.5808724
5835000000	1.623156204	2.251474735	-4.413284438	-5.57246035	-5.508623856	-9.924898585	0.3619691	0.2771749	0.2812792	0.1017443	-5.9253788
5835000000	1.623156204	2.303834613	-5.210218525	-6.05757128	-6.44540508	-0.048911178	0.3012854	0.2478808	0.2267042	0.1083974	-6.5547618
5835000000	1.623156204	2.35619449	-5.596452725	-6.70616365	-8.933738276	-9.236945179	0.2756479	0.213493	0.1278821	0.119208	-7.3507775
5835000000	1.623156204	2.408554368	-5.10304474	-7.518894474	-12.5405454	-9.801652227	0.308813	0.177056	0.0557116	0.104673	-7.9165706
5835000000	1.623156204	2.460914245	-5.036673454	-8.637209355	-12.61351155	-10.16584454	0.3135687	0.1386608	0.0547879	0.0962533	-8.2284554
5835000000	1.623156204	2.513274123	-6.020084535	-9.816949704	-10.42740926	-8.942107612	0.2500297	0.104305	0.0906273	0.127582	-8.442512
5835000000	1.623156204	2.565634	-7.505335903	-10.65896646	-10.48991585	-7.752793401	0.1776096	0.0859218	0.0893323	0.1677725	-8.855257
5835000000	1.623156204	2.617993878	-8.988933861	-11.8476248	-14.33078616	-7.637596473	0.1262137	0.0653488	0.0368911	0.1722822	-9.9920187
5835000000	1.623156204	2.670353756	-9.27469735	-16.75052409	-23.88990168	-8.061732322	0.1181763	0.036245	0.0040833	0.1562524	-11.040847
5835000000	1.623156204	2.722713633	-6.834677988	-14.633000104	-13.43100023	-7.928280282	0.207268	0.021727	0.0453837	0.1611284	-9.6306481
5835000000	1.623156204	2.775073511	-4.715257644	-15.11413175	-9.529124481	-7.30077423	0.3375558	0.0308026	0.1114519	0.1861755	-7.785298
5835000000	1.623156204	2.827433388	-4.642224639	-14.20781951	-9.369017366	-6.903337666	0.343382	0.0379505	0.1156374	0.2040169	-7.563501
5835000000	1.623156204	2.879793266	-6.863054928	-15.6617192	-12.3416002	-7.039025167	0.2059181	0.0271536	0.058323	0.1977413	-9.1263028
5835000000	1.623156204	2.932515143	-10.69825527	-19.21540037	-18.24486219	-10.51198037	0.085148	0.0119801	0.0127512	0.1576722	-11.746526
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5835000000	1.623156204	3.036872899	-14.48242								

5835000000	1.675516082	-0.575958653	0.307787686	-0.05931563	-0.401937253	-0.715139593	1.0734425	0.9864349	0.9116041	0.8481761	-0.2003556
5835000000	1.675516082	-0.523598776	0.795268664	0.471394458	-0.745058638	-0.986848477	1.2009554	1.1146524	0.842335	0.7967373	-0.0494666
5835000000	1.675516082	-0.471238898	1.129197941	1.225286716	-0.929700941	-0.827474241	1.2969397	1.3259547	0.8072906	0.8270325	0.2706585
5835000000	1.675516082	-0.41887902	1.166291477	1.810337498	-0.355355397	-0.064894685	1.3080645	1.5171683	0.9214345	0.9851685	0.7296697
5835000000	1.675516082	-0.366519143	1.142617549	1.895817033	0.233403363	0.081493236	1.3009534	1.5833674	1.0551982	1.2278613	1.1121044
5835000000	1.675516082	-0.314159265	1.215134817	1.807453758	0.170477926	1.598017677	1.3228588	1.5161612	1.0400346	1.4447802	1.2146157
5835000000	1.675516082	-0.261799388	1.289887328	1.508772189	-0.393344991	1.913963037	1.3458254	1.4513936	0.9134117	1.5538042	1.1631712
5835000000	1.675516082	-0.20943951	1.16907739	1.379813947	-0.690402422	1.882641446	1.3089038	1.3739831	0.8530211	1.5426384	1.0367944
5835000000	1.675516082	-0.157079633	0.655069215	1.393809396	-0.572034516	1.152034495	1.1628051	1.378418	0.9288968	1.4361621	0.8869251
5835000000	1.675516082	-0.104719755	-0.156131556	1.299463627	0.056116568	1.082117742	0.965688	1.3487963	0.1030052	1.282956	0.616829
5835000000	1.675516082	-0.052359878	-0.547979703	0.950296549	-0.234829252	0.629560073	0.8814588	1.2445996	0.9473644	1.1559951	0.2422062
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5835000000	1.675516082	0.052359878	0.087433846	-0.115375093	-0.2173257181	0.65806064	1.0203364	0.9737837	0.6062815	1.1636063	-0.2640947
5835000000	1.675516082	0.104719755	-0.456150555	-0.39642625	-1.9389786	1.004848755	0.9002952	0.9127616	0.6398853	1.2603317	-0.3230301
5835000000	1.675516082	0.157079633	-1.731727184	-0.304209104	-1.079966899	1.29859292	0.6711619	0.9323502	0.7798361	1.3485259	-0.3013301
5835000000	1.675516082	0.20943951	-2.522448231	0.116752792	-0.652632053	1.449085568	0.5594421	1.0272479	0.8604721	1.3960744	-0.1736287
5835000000	1.675516082	0.261799388	-1.736251193	0.708609098	-0.866223397	1.472107963	0.6704631	1.1772289	0.8191768	1.4034948	0.0757321
5835000000	1.675516082	0.314159265	-0.567727222	1.306893914	-1.35643217	1.4231512	0.8774599	1.3511059	0.73174	1.3877624	0.3623636
5835000000	1.675516082	0.366519143	-0.161304114	1.780910053	-1.613586182	1.364805762	0.9635396	1.5069228	0.6896701	1.3692431	0.5937835
5835000000	1.675516082	0.41887902	-0.730754478	2.039935376	-1.495555803	1.355451018	0.845132	1.5995342	0.7086706	1.3666297	0.5304326
5835000000	1.675516082	0.471238898	-1.881553021	2.05245977	-1.303076631	1.417021414	0.6484025	1.6041537	0.7407853	1.3858051	0.3932949
5835000000	1.675516082	0.523598776	-2.493030545	1.859706883	-1.404347588	1.510696494	0.5632445	1.5345134	0.7237066	1.4160208	0.2504822
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5835000000	1.675516082	2.408554368	-5.601958169	-8.416104127	-6.843496355	-8.118509172	0.2752987	0.144009	0.1366628	0.154223	-7.506833
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5835000000	1.72787596	-0.157079633	0.614450694	1.315311131	-0.39755341	1.541067137	1.1519803	1.3537271	0.9122723	1.4259579	0.8313855
5835000000	1.72787596	-0.104719755	-0.195544364	1.253721224	0.009835973	1.054912775	0.9559729	1.3346645	1.0022674	1.2794495	0.5765177
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5835000000	1.72787596	0.41887902	-0.81158302	1.802372165	-1.629417261	1.228189464	0.8295483	1.5143882	0.6871606	1.3268412	0.3722109
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5835000000	1.72787596	0.523598776	-2.689100395	1.627562116	-1.431236265	1.616248022	0.5383813	1.4546423	0.7192442	1.4508576	0.1735951
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5835000000	1.780235837	1.832595715	-2.65369721	-2.203842615	-9.932434085	-2.472400557	0.5427881	0.6020267	0.1015679	0.5659264	-3.4382773
5835000000	1.780235837	1.884955592	-3.429763835	-2.401768434	-10.32922725	-3.003499133	0.4539663	0.5752057	0.0926995	0.5007836	-3.9183779
5835000000	1.780235837	1.93731547	-4.324593157	-2.525667495	-11.76357089	-3.897766672	0.3694373	0.5590276	0.0666215	0.4075898	-4.5510258
5835000000	1.780235837	1.989675347	-3.810280833	-2.629508294	-13.08101771	-4.646964236	0.4158837	0.5458197	0.0491924	0.3942005	-4.7047236
5835000000	1.780235837	2.042035225	-2.736688737	-2.913537181	-11.83323138	-4.79181824	0.5325141	0.5112653	0.0655657	0.3137455	-4.4336568
5835000000	1.780235837	2.094395102	-2.63457549	-3.570706175	-9.478688429	-4.885883281	0.5451832	0.4394702	0.1127538	0.3246472	-4.491348
5835000000	1.780235837	2.14675498	-3.622308638	-4.674205575	-7.865022946	-5.687507342	0.4342793	0.3048627	0.1634925	0.2699288	-5.1979061
5835000000	1.780235837	2.199114858	-5.035713185	-6.13905354	-5.723463962	-7.050355652	0.313638	0.2432734	0.1991607	0.1772261	-6.228312
5835000000	1.780235837	2.251474735	-6.397966807	-7.695177632	-6.457560733	-7.612127727	0.229194	0.170013	0.2260705	0.1732955	-6.9974533
5835000000	1.780235837	2.303834613	-7.91619188	-8.908816749	-5.927999815	-7.16668382	0.1615775	0.1285637	0.2527552	0.1920134	-7.3582598
5835000000	1.780235837	2.35619449	-8.233449019	-9.370344544	-5.723463962	-7.041351104	0.1501949	0.1156021	0.2677032	0.1976355	-7.3806205
5835000000	1.780235837	2.408554368	-6.627804671	-9.003228952	-5.929797798	-7.129088217	0.21738	0.125799	0.255282	0.1936829	-7.0325595
5835000000	1.780235837	2.460914245	-5.772706111	-8.078337209	-6.596508302	-6.696596647	0.264685	0.1556561	0.2189521	0.2139638	-6.7098007
5835000000	1.780235837	2.513274123	-6.63690704	-7.060231474	-7.741400422	-6.405405545	0.2169248	0.1677781	0.1682132	0.2288018	-6.931902
5835000000	1.780235837	2.565634	-8.842609889	-6.572278574	-9.159896232	-7.099213364	0.1305386	0.2201771	0.1019554	0.1950198	-7.9069218
5835000000	1.780235837	2.617939878	-10.61527676	-7.209626559	-14.48748975	-8.486079972	0.0867905	0.1901242	0.0355837	0.1417072	-9.4480748
5835000000	1.780235837	2.670353756	-9.524927438	-9.284106056	-17.2207702	-9.190415453	0.1115597	0.1712905	0.0189637	0.1204921	-10.35109
5835000000	1.780235837	2.722713633	-								

5835000000	1.832595715	-0.890117919	-4.806428066	1.374943054	-0.407368238	-1.990101506	0.3306414	1.372443	0.9104648	0.6323971	-0.9071867
5835000000	1.832595715	-0.837758041	-2.398153981	0.746774585	-0.374268177	-1.422558683	0.5756846	1.1876199	0.9174305	0.7206828	-0.7040002
5835000000	1.832595715	-0.785398163	-0.624837778	0.358394328	-0.848949322	-0.962545935	0.8659967	1.0860204	0.8224416	0.8010397	-0.4872296
5835000000	1.832595715	-0.730382826	0.298215567	0.183235801	-0.3717789078	-0.657246126	1.0710791	1.0430943	0.7281504	0.8955854	-0.3363739
5835000000	1.832595715	-0.680678408	0.491299228	0.112836866	-1.058845464	-0.470805459	1.1197728	1.0263221	0.7836379	0.9872624	-0.1920207
5835000000	1.832595715	-0.628318531	0.435521575	0.116323214	-0.2028040853	-0.354689701	1.1054832	1.0271463	0.9543681	0.9215757	0.0092985
5835000000	1.832595715	-0.575958653	0.64428768	0.297199084	-0.170459464	-0.285446963	1.159922	1.0708285	1.0400302	0.9363868	0.2192981
5835000000	1.832595715	-0.523598776	1.052002403	0.762671536	-0.180807952	-0.263476438	1.2740904	1.191975	0.9592222	0.9411359	0.3806587
5835000000	1.832595715	-0.471138898	1.299236779	1.410354401	-0.617149741	-0.50052294	1.3487258	1.3836793	0.867531	0.9464437	0.5560572
5835000000	1.832595715	-0.41887902	1.333689654	1.939283405	-0.389678366	-0.033071567	1.3594679	1.5628897	0.9141809	0.9924139	0.8179294
5835000000	1.832595715	-0.366519143	1.324122451	2.08615589	0.088710597	0.475432976	1.3564764	1.6166484	1.0206364	1.1156894	1.0631422
5835000000	1.832595715	-0.314159265	1.327384407	1.80911572	0.063514291	1.093693727	1.3574956	1.5167415	1.0147322	1.2863803	1.118797
5835000000	1.832595715	-0.261799388	1.27625173	1.354256075	-0.497424632	1.522887545	1.3416066	1.3659211	0.8917796	1.4200013	0.9858391
5835000000	1.832595715	-0.20943951	1.058283551	1.103545839	-0.882099592	1.624145447	1.2759344	1.2893018	0.8161877	1.4534984	0.823295
5835000000	1.832595715	-0.157079633	0.500891207	1.134462297	-0.538814455	1.405902793	1.1222487	1.2985128	0.883321	1.3822617	0.6877419
5835000000	1.832595715	-0.104719755	-0.297767828	1.147680746	-0.07990303	0.980049568	0.9337341	1.302471	0.9817699	1.2531555	0.4835735
5835000000	1.832595715	-0.052359878	-0.622280442	0.899511684	-0.274975508	0.582867758	0.8665068	1.2301304	0.9386473	1.1436333	0.1900384
5835000000	1.832595715	-4.44E-16	-0.18701271	0.410326799	-0.142296802	0.470273957	0.9578527	1.0990885	0.7511044	1.1143648	-0.0850695
5835000000	1.832595715	0.052359878	0.107270102	-0.096303087	-0.241323216	0.673049541	1.0250074	0.9780694	0.968534	1.1676292	-0.2599987
5835000000	1.832595715	0.104719755	-0.44519475	-0.348226864	-0.2154485735	0.987091325	0.9025692	0.9229482	0.6145329	1.255189	-0.3441742
5835000000	1.832595715	0.157079633	-1.710717227	-0.23242897	-0.261975585	1.198333392	0.6744166	0.9478883	0.7478292	1.317751	-0.352826
5835000000	1.832595715	0.20943951	-2.436301065	0.130112132	-0.761719043	1.217097437	0.5706501	1.0304127	0.8391278	1.3234512	-0.264517
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5835000000	1.832595715	0.314159265	-0.520950584	0.898345077	-1.435027013	0.902870516	0.896619	1.2298001	0.7186167	1.2310822	0.071566
5835000000	1.832595715	0.366519143	-0.244911648	1.141750453	-0.971361748	0.821827485	0.9451676	1.3006937	0.6351318	1.2083222	0.0959061
5835000000	1.832595715	0.41887902	-0.108689135	1.261841231	-0.213315272	0.932520102	0.7908845	1.3371623	0.611906	1.2395156	-0.0223492
5835000000	1.832595715	0.471138898	-2.392042859	1.259015601	-1.850415481	1.405902793	0.5764952	1.3269226	0.6530676	1.3207334	-0.124914
5835000000	1.832595715	0.523598715	-0.302340885	1.154456308	-1.504319499	1.499692531	0.4984931	1.3018061	0.707242	1.4124375	-0.0877628
5835000000	1.832595715	0.575958653	-2.344862121	0.951978897	-1.635251282	1.664119706	0.5827923	1.2540818	0.686238	1.4669387	-0.2066227
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5835000000	1.832595715	0.730382826	-2.384795976	0.486341325	-5.442904775	1.746958591	0.577458	1.1184952	0.285568	1.4951882	-0.608916
5835000000	1.832595715	0.785398163	-3.547331623	0.324828055	-4.497566643	1.859251507	0.4418418	1.0776626	0.3550122	1.5343525	-0.6944965
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5835000000	1.832595715	0.942477796	-4.88685441	-0.958685136	-3.473869461	1.850924365	0.3245746	0.8019208	0.4493793	1.5314134	-1.0967847
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5835000000	1.832595715	1.047197551	-2.720338714	-2.253013739	-3.008263235	2.037899566	0.5345227	0.5952499	0.5002345	1.5994805	-0.929265
5835000000	1.832595715	1.099557429	-2.09387656	-2.883573376	-1.965883715	2.02518262	0.617465	0.5148009	0.6359334	1.5941099	-0.7542183
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5835000000	1.832595715	1.204277184	-1.044180157	-3.643803415	-0.861744109	1.233160009	0.7862886	0.4321352	0.8200222	1.3283606	-0.7484182
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5835000000	1.832595715	1.780235837	-3.553917759	-1.494350443	-11.22095047	-2.269226884	0.4411723	0.7088673	0.0754927	0.5930309	-3.4233159
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5835000000	1.832595715	2.042035225	-3.009095175	-2.491693851	-11.46792758	-3.363816784	0.5001387	0.5634179	0.0713193	0.4609123	-3.9908473
5835000000	1.832595715	2.094395102	-2.946066384	-2.935504572	-9.16922811	-3.847436094	0.5074501	0.5086857	0.1210813	0.4123409	-4.1185214
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5835000000	1.832595715										

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5835000000	1.884955592	-0.523598776	1.203994902	0.588569269	-0.05123108	-0.179315912	1.3194699	1.1451356	0.9882725	0.9959518	0.4261781
5835000000	1.884955592	-0.471138898	1.367104732	1.250823792	-0.532418807	0.01703083	1.3699682	1.3337744	0.8846228	1.0039292	0.5969674
5835000000	1.884955592	-0.41887902	1.396011794	1.814274433	-0.399560299	0.136641588	1.3791172	1.5185442	0.9121032	1.0319631	0.8294037
5835000000	1.884955592	-0.366519143	1.406510352	1.999922562	0.034398551	0.41093148	1.3824551	1.5848649	1.007952	1.0992416	1.0333443
5835000000	1.884955592	-0.314159265	1.384955321	1.739478126	0.018234967	0.871844495	1.3756107	1.492615	1.0042076	1.2223187	1.0506305
5835000000	1.884955592	-0.261799388	1.271915053	1.266670753	-0.531811094	1.284535954	1.3402676	1.3386501	0.8847466	1.3441681	0.8882973
5835000000	1.884955592	-0.20943951	1.003973022	0.991593757	-0.932141978	1.445195274	1.2600776	1.256491	0.806837	1.3948244	0.7171911
5835000000	1.884955592	-0.157079633	0.429800332	1.034445449	-0.5989676	1.30050345	1.1040279	1.2689501	0.8711707	1.3491193	0.6006178
5835000000	1.884955592	-0.104719755	-0.355129587	1.088603735	-0.122174837	0.931715475	0.9214824	1.2848735	0.9722602	1.239286	0.431561
5835000000	1.884955592	-0.052359878	-0.645703239	-0.78855154	-0.2911677	0.962522039	0.861846	1.2242934	0.9351543	1.1344619	0.1710113
5835000000	1.884955592	-4.44E-16	-0.187012995	0.410326556	-0.242996318	0.470273849	0.9578526	1.0990885	0.7511045	1.1143648	-0.0850696
5835000000	1.884955592	0.052359878	0.114789149	-0.087860311	-2.260092282	0.680110694	1.0267836	0.9799727	0.5942795	1.1695297	-0.2565356
5835000000	1.884955592	0.104719755	-0.427933237	-0.331106666	-2.18612771	0.968821091	0.9061637	0.9265937	0.6051141	1.2551109	-0.3468275
5835000000	1.884955592	0.157079633	-1.670711907	-0.213982245	-1.337567456	1.169716502	0.6806578	0.9519229	0.7349254	1.3090965	-0.3661331
5835000000	1.884955592	0.20943951	-2.387645811	0.118272495	-0.795199391	1.143473596	0.5770792	1.0276075	0.8326837	1.3012099	-0.2935328
5835000000	1.884955592	0.261799388	-1.624140867	0.465677729	-0.034707968	0.963861333	0.687996	1.1131861	0.817578	1.2484931	-0.1465739
5835000000	1.884955592	0.314159265	-0.584265051	0.731069472	-1.212633426	0.766590076	0.8741249	1.1833329	0.7208347	1.193051	-0.0312254
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5835000000	1.884955592	0.471138898	-2.499504494	1.005314522	-2.159778252	1.023058167	0.5624055	1.2604697	0.608173	1.2656272	-0.34249
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5835000000	1.884955592	0.575958653	-2.552048999	0.711405935	-1.406948293	1.219271732	0.555642	1.1779873	0.7232779	1.3241195	-0.2445025
5835000000	1.884955592	0.628318531	-1.955679693	0.459327764	-2.13415625	1.069204421	0.6374293	1.1115597	0.6117646	1.279147	-0.4097407
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5835000000	1.884955592	0.730382826	-2.621368527	0.203305598	-5.406838628	1.014669482	0.5468436	1.0007615	0.2879494	1.263185	-1.1087493
5835000000	1.884955592	0.785398163	-3.596970199	-0.278930243	-4.952807218	1.246454738	0.4368205	0.937793	0.3216755	1.3324333	-1.2080055
5835000000	1.884955592	0.837758041	-4.65786789	-0.652705824	-3.604509179	1.468479087	0.3421474	0.8604575	0.4360628	1.4023225	-1.1904497
5835000000	1.884955592	0.890117919	-5.355583008	-1.079248433	-3.025890899	1.630453506	0.2913679	0.7799651	0.4982082	1.4466202	-1.2260541
5835000000	1.884955592	0.942477796	-5.019385772	-1.507486658	-3.022226382	1.753402266	0.3148194	0.7067264	0.4986288	1.4974083	-1.2240079
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5835000000	1.884955592	1.413716694	-1.994568903	-2.600636829	-0.286733943	-1.487893349	0.6317469	0.5494603	0.9361094	0.709922	-1.5069752
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5835000000	1.884955592	1.623156204	-1.304090885	-1.539664057	-8.532989927	-2.77232356	0.7406123	0.7015096	0.1401848	0.5280532	-2.7770348
5835000000	1.884955592	1.675516082	-2.476589147	-1.457556144	-11.81207883	-2.642960444	0.5653808	0.7148985	0.0820514	0.5441316	-3.2183177
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5835000000	1.884955592	1.884955592	-5.914117395	-1.26440003	-8.184466022	-2.90421486	0.2562054	0.7474119	0.1518985	0.5123607	-3.7989612
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5835000000	1.884955592	1.989675347	-4.027654934	-2.068239473	-11.81207883	-3.138358312	0.3955802	0.6211208	0.0658858	0.4954827	-4.0669766
5835000000	1.884955592	2.042035225	-2.827258928	-2.334236167	-11.98551468	-3.391837052	0.5215238	0.58422	0.0633065	0.4579481	-3.9067287
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5835000000	1.93731547	-1.099557429	-5.216395989	3.410240288	-1.725423941	-4.851618972	0.3008572	2.1929263	0.6721367	0.3272187	-0.5884414
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5835000000	1.93731547	0.41887902	-1.291373963	0.762021847	-2.762519189	0.69766485	0.7427841	1.1917967	0.5293563	1.174246	-0.4117305
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5835000000	1.93731547	0.575958653	-2.713596368	0.483688253	-1.229142402	0.609796578	0.5353532	1.1178121	0.7535043	1.1507465	-0.5092523
5835000000	1.93731547	0.628318531	-2.286545565	0.185455275	-1.665525875	0.22806579	0.5906707	1.0436275	0.6814711	1.0526419	-0.7463489
5835000000	1.93731547	0.680678408	-2.350426996	-0.106279326	-3.054099363	-0.084380687	0.582046	0.9758253	0.4949827	0.9807582	-1.2009993
5835000000	1.93731547	0.733038286	-2.819847548	-0.40049019	-4.546691103	-0.5224145	0.5224145	0.9119079	0.3510192	0.98324	-1.5980266
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5835000000	1.93731547	0.994837674	-3.32031055	-2.431385495	-2.381795633	1.525321014	0.4655528	0.5712964	0.5778571	1.4207678	-1.1983347
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5835000000	1.93731547	1.099557429	-1.252247842	-2.726673466	-0.330339324	1.788688015	0.7495062	0.5337436	0.9267574	1.509624	-0.3156011
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5835000000	1.93731547	1.466076572	-1.461959582	-1.343072742	-1.569384617	-0.59514661	0.7141474	0.7339944	0.6967278	0.5134348	-1.7745093
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5835000000	1.93731547	1.570796327	-0.833333486	-0.9866401	-5.766077716	-3.3208083927	0.8254042	0.7967755	0.3036632	0.4647203	-2.2355976
5835000000	1.93731547	1.623156204	-1.385449548	-0.933847539	-2.710663733	-3.185372731	0.7268672	0.8065202	0.1900788	0.4802449	-2.5890355
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5835000000	1.93731547	1.72787596	-3.972877954	-0.989630468	-0.127235054	-3.003261916	0.4006012	0.7962271	0.1539134	0.5008109	-3.3452393
5835000000	1.93731547	1.780235837	-4.806081157	-0.901004998	-0.66637142	-3.09905216	0.3306678	0.8126424	0.1964881	0.4897895	-3.3907672
5835000000	1.93731547	1.832595715	-5.41324054	-0.852333483	-6.686887113	-3.40496181	0.2875252	0.821801	0.2361083	0.4672296	-3.4374265
5835000000	1.93731547	1.884955592	-5.696694571	-1.058422405	-6.36536194	-3.479012357	0.2693584	0.7837143	0.231391	0.4488475	-3.631847
5835000000	1.93731547	1.93731547	-4.68447471	-1.570083575	-7.713404403	-3.561970155	0.3400576	0.6966131	0.169301	0.4403551	-3.8554394
5835000000	1.93731547	1.989675347	-3.039232354	-1.270486065	-10.51454344	-3.75379556	0.4966801	0.6666684	0.0888271	0.4213281	-3.9429
5835000000	1.93731547	2.042035225	-2.273351482	-2.560644612	-12.39715014	-4.420108484	0.5924679	0.5545434	0.0575818	0.3614008	-4.0726992
5835000000	1.93731547	2.094395102	-2.892190152	-2.83313044	-9.5091024	-4.589366469	0.5137845	0.5208213	0.1119669	0.2571417	-4.5469679
5835000000	1.93731547	2.14675498	-4.800379688	-3.517052652	-6.686847512	-8.249281349	0.3311022	0.4449331	0.2144447	0.1496483	-5.4510627
5835000000	1.93731547	2.199114858	-7.52669306	-5.128225204	-10.74605185	-10.74605185	0.1767383	0.3070726	0.2797485	0.084216	-6.7380219
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5835000000	1.93731547	2.35619449	-8.221979136	-11.71245383	-8.741711283	-13.82637712	0.1505921	0.0674147	0.1336069	0.0414345	-10.076142
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5835000000	1.989675347	-1.204277184	-1.00249971	2.564095257	-2.397294405	-3.481583673	0.7938712	1.8047187	0.5757985	0.4485818	-0.4299523
5835000000	1.989675347	-1.151917306	-2.409167742	2.905554864	-2.324635104	-4.000449722	0.5742265	1.9523402	0.5855129	0.39777361	-0.5677568
5835000000	1.989675347	-0.095557429	-3.5986924	2.905956173	-2.3468309	-4.088123633	0.4366473	1.972857	0.5825281	0.3901105	-0.7286803
5835000000	1.989675347	-1.047197551	-4.542572482	2.710178884	-2.540880932	-3.828916542	0.3513523	1.8666566	0.5570716	0.414103	-0.9840773
5835000000	1.989675347	-0.994837674	-5.17674431	2.255430745	-2.547653767	-3.251660217	0.3036166	1.6809046	0.5562047	0.42729074	-1.229605
5835000000	1.989675347	-0.942477796	-4.738898113	1.654628574	-1.869431638	-2.452461861	0.3358228	1.4637363	0.6502148	0.5685306	-1.2229694
5835000000	1.989675347	-0.990117919	-3.331158622	0.937805156	-0.837427908	-1.676887036	0.4643914	1.241025	0.8246264	0.6796907	-0.9559104
5835000000	1.989675347	-0.837758041	-1.89078529	0.144715833	-0.198436796	-1.204207274	0.6470256	1.0338834	0.9553364	0.7578431	-0.7133683
5835000000	1.989675347	-0.785398163	-0.733623881	-0.582543589	-0.221341349	-1.199639875	0.8445738	0.8744715	0.9503112	0.7586405	-0.701956
5835000000	1.989675347	-0.73038286	0.190413761	-1.017953536	-0.536297537	-1.610286542	1.0448198	0.7910513	0.8838331	0.6901943	-0.693185
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5835000000	1.989675347	-0.628318531	1.374436008	-0.890148976	0.145829546	-2.00593691	1.3722827	0.8146763	1.0341486	0.6300954	-0.1646357
5835000000	1.989675347	-0.575958653	1.584753386	-0.578654005	0.44155294	-1.224377888	1.4403742	0.875255	1.1070196	0.7543314	-0.1880243
5835000000	1.989675347	-0.523598776	1.571144749	-0.065581877	0.134107066	-0.262924088	1.4358679	0.9850127	1.031361	0.9412556	-0.4075036
5835000000	1.989675347	-0.471238898	1.477925811	0.672737596	-0.375500312	0.334735608	1.4053762	1.1675454	0.9171703	1.0801239	-0.578767
5835000000	1.989675347	-0.41887902	1.484355364	1.379532852	-0.394487898	0.447753575	1.4074583	1.3738942	0.9131691	1.1086012	-0.794637
5835000000	1.989675347	-0.366519143	1.560600947	1.71234561	-0.061864508	0.34164332	1.4323861	1.483319	0.9858561	1.0818432	-0.9546615
5835000000	1.989675347	-0.314519265	1.505302065	1.537782457	-0.08727076	0.394146828	1.4142631	1.4248799	0.9821389	1.0950014	-0.8957691
5835000000	1.989675347	-0.261799388	1.262268001	1.063236766	-0.604042138	0.678986755	1.3372937	1.2773905	0.8701533	1.1692266	-0.6577327
5835000000	1.989675347	-0.20943951	0.877860825	0.753080062	-1.014595118	0.960305602	1.2240131	1.1893454	0.7916639	1.2474713	-0.4654333
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5835000000	1.989675347	-0.104719755	-0.478823979	0.961811714	-0.199051877	0.813854808	0.8956703	1.221904	0.9552011	1.206106	-0.3189484
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5835000000	2.042035225	-0.575958653	1.962102903	-0.78770344	0.475312773	-1.480497267	1.5711234	0.8341222	1.1156585	0.7111321	0.2448937
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5835000000	2.042035225	-0.471123889	1.509938827	0.363168091	-0.293666392	0.367520054	1.4157738	1.0872184	0.9346099	1.0883085	0.5364598
5835000000	2.042035225	-0.41887902	1.505882843	1.134371996	-0.37523196	0.519571134	1.4144522	1.2984858	0.9172269	1.1270862	0.7529608
5835000000	2.042035225	-0.366519143	1.627121172	1.550491567	-0.100329167	0.298970453	1.4544946	1.4209057	0.9771631	1.0712653	0.9096121
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5835000000	2.042035225	-0.104719755	-0.543335418	0.895604148	-0.232891916	0.745489483	0.8824019	1.2290241	0.9477871	1.1872685	0.2596927
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5835000000	2.042035225	0.157079633	-1.450991293	-0.193152202	-1.612411374	1.113270762	1.71598	0.9564996	0.6898567	1.2921921	0.3922866
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5835000000	2.042035225	0.628318531	-2.573088159	-0.127967257	-0.693456258	0.109822827	0.5529568	0.9709643	0.7781748	0.8524215	-1.0312707
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5835000000	2.094395102	0.261799388	-1.661780327	0.064624128	-0.744124247	0.737399694	0.682059	1.0149915	0.8425343	1.1868066	0.3077151
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5835000000	2.094395102	1.099557429	1.180008645	-3.348938494	-0.899027251	1.541881923	1.3122025	0.4624941	0.8130126	1.4262255	0.0151031
5835000000	2.094395102	1.151917306	1.096658954	-3.577025547	-0.809980442	1.471364764	1.2872589	0.4838311	0.8298717	1.3859146	-0.0635699
5835000000	2.094395102	1.204277184	0.867573396	-3.508885654	-1.212088936	1.047694085	1.2211172	0.4457706	0.7564689	1.2728271	-0.3430643
5835000000	2.094395102	1.256637061	0.698327382	-3.212842586	-1.810795307	0.479856534	1.1744451	0.4772168	0.6590532	1.1168264	-0.6707727
5835000000	2.094395102	1.308996939	0.548724333	-2.925474617	-2.249547292	-0.179216164	1.1346775	0.5098619	0.5957242	0.9959738	-0.9693208
5835000000	2.094395102	1.361356817	0.425802907	-2.807526605	-2.452559765	-0.865341252	1.1030121	0.5238987	0.5685177	0.9194342	-1.2800554
5835000000	2.094395102	1.413716694	0.360054381	-2.825603922	-2.640241451	-1.657748992	1.0864392	0.5217225	0.5444724	0.6826925	-1.494669
5835000000	2.094395102	1.460676572	0.300643103	-2.797691489	-3.034232221	-2.704323221	1.071678	0.5250865	0.4972472	0.6549795	-1.8202018
5835000000	2.094395102	1.518436449	0.156432583	-2.576971058	-3.72635451	-3.957713255	1.0366765	0.5524626	0.4239987	0.4020024	-2.1911763
5835000000	2.094395102	1.570796327	-0.179852607	-2.231991867	-4.661116292	-4.971126172	0.9594332	0.5981372	0.3418916	0.3183372	-2.5613778
5835000000	2.094395102	1.623156204	-0.676844293	-1.984374541	-5.589182329	-5.298787911	0.8556883	0.6323216	0.2761098	0.2952033	-2.8814368
5835000000	2.094395102	1.675516082	-1.159188234	-1.969726301	-6.125516735	-5.181246358	0.7657397	0.635371	0.2440329	0.3030021	-3.123717
5835000000	2.094395102	1.72787596	-1.598539795	-2.083083168	-6.090476866	-5.056870462	0.6920636	0.6190015	0.2460097	0.3121138	-3.3040686
5835000000	2.094395102	1.780235837	-1.99071266	-2.08219111	-6.98691279	-6.896691279	0.6323081	0.6191286	0.2647754	0.3238403	-3.372298
5835000000	2.094395102	1.832595715	-1.97266633	-1.937578831	-6.675063792	-4.485826417	0.634941	0.6400916	0.2707033	0.3559732	-3.2291589
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5835000000	2.094395102	1.93731547	-0.476323562	-2.41135178	-7.56944068	-4.433010544	0.896123	0.5739378	0.1750072	0.3603288	-2.9985967
5835000000	2.094395102	1.989675347	-0.340130502	-3.394005945	-9.710043351	-5.858519992	0.9246704	0.4577195	0.1069044	0.2595064	-3.5931969
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5835000000	2.094395102										

5835000000	2.14675498	-1.518436449	-3.652888479	-0.255509522	-1.92523681	-1.836716613	0.4312322	0.942864	0.6419132	0.6551313	-1.7536323
5835000000	2.14675498	-1.466076572	-2.799797756	0.508882481	-2.642990463	-2.182982686	0.5248319	1.1243156	0.5441278	0.6049253	-1.5518114
5835000000	2.14675498	-1.413716694	-0.928647615	0.931705005	-2.96372723	-2.80237223	0.8074864	1.239283	0.5054587	0.5245209	-1.1396791
5835000000	2.14675498	-1.361356817	0.28158726	1.053559268	-2.978547296	-3.52444748	1.066986	1.2745472	0.5036691	0.4441762	-0.8494615
5835000000	2.14675498	-1.308996939	0.44950292	1.028051093	-2.959767047	-4.02003563	1.1090479	1.2670831	0.5058518	0.3965748	-0.8641692
5835000000	2.14675498	-1.256637061	0.128475993	1.027486833	-3.02603793	-3.999758195	1.0300246	1.2669185	0.4981914	0.3981293	-0.9782519
5835000000	2.14675498	-1.204277184	0.265396432	1.083340135	-3.068740993	-3.527596696	1.0630156	1.2833172	0.4933168	0.4438174	-0.8572733
5835000000	2.14675498	-1.151917306	0.867820461	1.066281196	-2.969540521	-2.973309752	1.2218866	1.2782863	0.5047147	0.5042768	-0.5694291
5835000000	2.14675498	-1.09555429	1.02750747	0.856455305	-2.793521637	-2.59692545	1.2669245	1.2179951	0.5255751	0.5501332	-0.505334
5835000000	2.14675498	-1.047197551	0.319833243	0.486643042	-2.56795589	-2.411992544	1.0764239	1.1185729	0.5533762	0.5738531	-0.8063801
5835000000	2.14675498	-0.994837674	-0.617071539	0.13488282	-2.027697259	-2.276240559	0.8675467	1.0315452	0.6269462	0.5920739	-1.0816827
5835000000	2.14675498	-0.942477796	-0.50312462	-0.050974284	-0.107447677	-2.019391831	0.8906099	0.9883314	0.7911434	0.6281463	-0.8377892
5835000000	2.14675498	-0.890117919	0.27813918	-0.131915306	0.009554415	-1.687058624	1.0661392	0.9700821	1.0022024	0.6781006	-0.3123202
5835000000	2.14675498	-0.837758041	0.625959121	-0.269604084	0.500565775	-1.513497878	1.155037	0.939809	1.1221646	0.7057489	-0.084683
5835000000	2.14675498	-0.785398163	0.575401811	-0.477367617	0.289527364	-1.638459438	1.1416689	0.8959076	1.0689385	0.6857314	-0.2316343
5835000000	2.14675498	-0.733038286	0.923804984	-0.5888718	-0.254783022	-1.992635582	1.2370308	0.8731982	0.9430217	0.6320282	-0.3558964
5835000000	2.14675498	-0.680678408	1.847071391	-0.519600033	-0.341257267	-2.334352498	1.5300553	0.8872377	0.9244305	0.5842043	-0.0811767
5835000000	2.14675498	-0.628318531	2.570028337	-0.43856496	-0.187169468	-2.301068561	1.8071859	0.9039481	1.0427422	0.5886988	-0.3568734
5835000000	2.14675498	-0.575958653	2.59728656	-0.497806795	0.567239848	-1.651622862	1.8185643	0.9317011	1.1395253	0.6836561	-0.5436854
5835000000	2.14675498	-0.523598776	2.050783966	-0.495507972	0.378008984	-0.646215727	1.6035348	0.8927733	1.0909582	0.8617443	-0.4614487
5835000000	2.14675498	-0.471238898	1.524733194	-0.044625433	-0.120320984	-0.159330742	1.4206049	0.9891772	0.9726753	1.0373685	-0.4340414
5835000000	2.14675498	-0.41887902	1.523799478	0.733291563	-0.313560998	-0.413684757	1.4202995	1.1839385	0.9303447	1.0999387	-0.6394941
5835000000	2.14675498	-0.366519143	1.747454644	-0.173195854	-0.163337601	0.129555437	1.495359	1.3401073	0.9630886	1.0302807	-0.8178243
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5835000000	2.14675498	-0.261799388	1.246027888	0.774316054	-0.340594197	-0.404067844	1.3323023	1.1951753	0.8444891	0.9115157	-0.2970063
5835000000	2.14675498	-0.20943951	0.667544314	0.407084786	-1.100953789	-0.00038715	1.16615	1.0982684	0.7760767	0.9999109	-0.4365051
5835000000	2.14675498	-0.157079633	-0.013812952	0.502512925	-0.782001116	-0.451989716	0.9968245	1.1226679	0.8352181	1.1096831	-0.0693576
5835000000	2.14675498	-0.104719755	-0.672318995	0.761430075	-0.290087199	0.594885706	0.8565803	1.1916343	0.9353689	1.1468028	-0.1393258
5835000000	2.14675498	-0.052359878	-0.743343396	0.755366509	-0.387079164	-0.486002173	0.8426858	1.1899717	0.9147282	1.1184079	-0.0708534
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5835000000	2.14675498	0.052359878	0.158526233	-0.033103164	-2.310875172	0.733378282	1.0371764	0.9924067	0.587371	1.1839622	-0.2217169
5835000000	2.14675498	0.104719755	-0.245255294	-0.262702467	-2.545060615	1.044202692	0.9450928	0.9413037	0.5565369	1.2718042	-0.3213185
5835000000	2.14675498	0.150799633	-1.22743666	-0.215547507	-1.837227125	1.105269123	0.7538003	0.9515799	0.6550543	1.2898135	-0.3973762
5835000000	2.14675498	0.20943951	-1.897070131	-0.092543264	-1.057447838	0.909091864	0.64609	0.9789166	0.7838902	1.232847	-0.4075062
5835000000	2.14675498	0.261799388	-1.624871983	-0.048077158	-0.713554406	0.740789161	0.6878802	0.9889909	0.8449764	1.1859842	-0.3239398
5835000000	2.14675498	0.314159265	-1.127779817	-0.033355952	-0.1013875612	0.81548541	0.7712977	0.9923489	0.7917944	1.2065589	-0.2664121
5835000000	2.14675498	0.366519143	-1.117594316	0.078876487	-1.864710477	0.970997776	0.7371087	1.1083279	0.650922	1.2505463	-0.3469186
5835000000	2.14675498	-1.54887902	-1.558822748	0.276887321	-2.883289808	0.94869804	0.6984217	1.0658319	0.5202008	1.2441416	-0.5445805
5835000000	2.14675498	0.471238898	-1.943233799	0.389773727	-2.989667072	0.709531655	0.6392587	0.9398994	0.5023811	1.174779	-0.689214
5835000000	2.14675498	0.523598776	-1.935223466	0.279555407	-2.179973707	0.401731781	0.6404388	1.0664869	0.6053445	1.0969155	-0.6940932
5835000000	2.14675498	0.575958653	-1.806031873	0.005645638	-1.384794119	0.17940771	0.6597765	1.0013008	0.7269769	1.0421753	-0.6673683
5835000000	2.14675498	0.628318531	-1.891033245	-0.18666271	-1.197277267	0.085661746	0.6469887	0.95793	0.7691787	1.0199202	-0.7134591
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5835000000	2.14675498	0.785398163	-2.181042144	-0.161927966	-0.811289486	0.345659521	0.6051956	0.9634012	0.8296044	1.0284481	-0.603503
5835000000	2.14675498	0.837758041	-1.985907273	-0.630228172	-0.623148605	0.497004351	0.6330081	0.8649225	0.8663336	1.1212448	-0.5979379
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5835000000	2.14675498	0.942477796	-0.625258097	-1.942637606	-1.313688081	0.857590915	0.8659129	0.6393464	0.7389775	1.1715232	-0.6857265
5835000000	2.14675498	0.994837674	0.524689647	-2.451862491	-1.33811616	0.85888666	1.1284155	0.568609	0.7348325	1.2186771	-0.3970359
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5835000000	2.14675498	1.151917306	1.139586916	-3.874394118	-0.387582582	1.189508523	1.3000459	0.4097893	0.9146222	1.315076	-0.066152
5835000000	2.14675498	1.204277184	0.63914946	-3.931536324	-0.713261729	0.75572866	1.1585504	0.4044328	0.8485429	1.190071	-0.4556486
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5835000000	2.14675498	1.308996939	0.310046914	-3.421204164	-1.480491287	-0.357151097	1.074001	0.4548619	0.7111331	0.9210536	-1.0222868
5835000000	2.14675498	1.361356817	0.439862328	-3.073969101	-1.624761453	-0.769781045	1.1065887	0.4668777	0.6878977	0.8375715	-1.1084745
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5835000000	2.14675498	1.466076572	0.336618974	-3.357277877	-2.28994772	-2.340353098	1.0805924	0.4616068	0.5985501	0.5833977	-1.6682946
5835000000	2.14675498	1.518436449	0.012879265	-3.169576709	-3.078240971	-3.65767802	1.00297	0.4819948	0.4922389	0.4307569	-2.2041064
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5835000000	2.14675498	1.623156204	-0.606120853	-2.530526957	-6.361728002	-5.29206554	0.8697369	0.5584024	0.2311145	0.2956606	-3.1093223
5835000000	2.14675498	1.675516082	-0.714040267	-2.514228537	-8.59318086	-5.592040366	0.8483908	0.560502	0.1382553	0.2759281	-3.4125515
5835000000	2.14675498	1.72787596	-0.97790627	-2.697238312	-10.40600387	-9.575557393	0.7983795	0.5373734	0.0910751	0.2526063	-3.7689696
5835000000	2.14675498	1.780235837	-1.35318743	-2.787498305	-10.96417955	-6.062459764	0.7322869	0.5623024	0.0800907	0.2476019	-4.016747
5835000000	2.14675498	1.832595715	-1.259569253	-2.637859336	-10.73537849	-5.501101881	0.7482437	0.5447711	0.0844233	0.2817668	-3.8215998
5835000000	2.14675498	1.884955592	-0.545594386	-2.524496429	-10.49367612	-9.47768964	0.8819431	0.5951784	0.089255	0.3178565	-3.353033
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5835000000	2.199114858	-0.890117919	1.445063599	-0.581016542	0.33634556	-2.511290393	1.3947821	0.874779	1.0805243	0.5608813	-0.0977587
5835000000	2.199114858	-0.837758041	1.571425494	-0.562741663	0.653266667	-2.359625095	1.4359607	0.8784678	1.1623226	0.5808146	0.0620556
5835000000	2.199114858	-0.785398163	1.179777858	-0.563772178	0.328835433	-2.356455722	1.3121328	0.8782594	1.0786574	0.5812386	-0.1656676
5835000000	2.199114858	-0.733038286	1.221845702	-0.444784142	-0.258265211	-2.427756546	1.3249045	0.9026546	0.9422659	0.5717739	-0.2900276
5835000000	2.199114858	-0.680678408	2.070443568	-0.196894464	-0.14421412	-2.418648441	1.6108101	0.9567557	0.9301604	0.5729743	-0.0749393
5835000000	2.199114858	-0.628318531	2.811583152	-0.059778249	0.250646589	-2.194032806	1.9105496	0.9863298	1.0594114	0.6033881	0.5687427
5835000000	2.199114858	-0.575958653	2.80100798	-0.20962125	0.654001531	-1.645051391	1.905903	0.9528793	1.1625216	0.6846914	0.705915
5835000000	2.199114858	-0.523598776	2.143081368	-0.416917879	0.470257684	-0.824833852	1.6379783	0.908465	1.1143607	0.8270211	0.4997593
5835000000	2.199114858	-0.471238898	1.522204078	-0.152615931	-0.040135549	-0.0772948208	1.4197779	0.9654693	0.990801	0.9833433	0.3736589
5835000000	2.199114858	-0.41887902	1.538242522	0.583237555	-0.282674589	0.240216197	1.4250308	1.1437306	0.9369848	1.0568701	0.5715396
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5835000000	2.251474735	0.733038286	-0.736606786	0.077257229	-1.084027038	-0.58910415	0.8439939	1.0179525	0.7791073	0.8731515	-0.5623287
5835000000	2.251474735	0.785398163	-0.681066115	0.022757723	-0.400306283	-1.048356366	0.8548568	1.0052539	0.9119465	0.7855329	-0.5090408
5835000000	2.251474735	0.837578041	-0.594524607	-0.429719369	0.097865836	-1.54618965	0.8720624	0.9057911	1.0227903	0.7005463	-0.5785547
5835000000	2.251474735	0.890117919	-0.250878337	-1.125497932	0.252722664	-2.099239223	0.94387	0.771703	1.059918	0.616703	-0.7157931
5835000000	2.251474735	0.942477796	0.538060091	-1.79289591	0.310230575	-2.38455921	1.1318947	0.6617752	1.0740464	0.5774895	-0.6484843
5835000000	2.251474735	0.994837674	1.414045718	-2.298109938	0.557197723	-1.98082474	1.3848559	0.5891	1.1368935	0.6337493	-0.2865471
5835000000	2.251474735	1.047197551	1.781100586	-2.71033269	0.932008223	-1.204208493	1.5069889	0.5357556	1.241138	0.7578428	-0.0450681
5835000000	2.251474735	1.099557429	1.362664793	-0.3066388174	1.185063346	-0.691757698	1.3685683	0.4935841	1.3137307	0.8527549	-0.0309825
5835000000	2.251474735	1.151917306	0.374054624	-3.237135601	1.162493842	-0.599141029	1.0899472	0.4745549	1.3069211	0.8711359	-0.2889132
5835000000	2.251474735	1.204277184	-0.528596678	-0.308988797	0.954997958	-0.598367992	0.8854017	0.4909205	1.2459477	0.8712909	-0.5879169
5835000000	2.251474735	1.256637061	-0.699125986	-2.694435754	0.760085574	-0.320825021	0.8513093	0.5377203	1.1912655	0.9287899	-0.568661
5835000000	2.251474735	1.308996939	-0.224402989	-2.260903197	0.701159815	0.107527055	0.9496415	0.5941686	1.1752114	1.0250681	-0.2871376
5835000000	2.251474735	1.361356817	0.148916237	-1.955159006	0.70222704	0.238897677	1.0348839	0.6375057	1.1803823	1.0565442	-0.0995919
5835000000	2.251474735	1.413716694	-0.096409494	-1.822482894	0.663039004	-0.193626879	0.9780455	0.657282	1.1649387	0.956395	-0.2725796
5835000000	2.251474735	1.466076572	-0.869646783	-1.793336971	0.396149044	-1.12549963	0.8185314	0.6617079	1.0955064	0.7717027	-0.7734611
5835000000	2.251474735	1.518436449	-1.662392119	-1.743852226	-0.170748779	-2.234628501	0.681963	0.6692907	0.9614465	0.5977742	-1.3809622
5835000000	2.251474735	1.570796327	-1.842399335	-1.626362101	-1.108389083	-0.59591469	0.6542746	0.6876442	0.7747491	0.4725073	-1.8889854
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5835000000	2.251474735	1.675516082	-0.932968131	-1.644932953	-4.37599114	-5.8679438	0.8066835	0.6847101	0.3650907	0.2589439	-2.766617
5835000000	2.251474735	1.72787596	-1.172571318	-1.939601787	-6.7941961	-7.663823327	0.7633837	0.6397935	0.209209	0.1712449	-3.5075496
5835000000	2.251474735	1.780235837	-1.5								

5835000000	2.303834613	-1.832595715	-4.365376927	-6.209536841	-0.648144914	-3.07795397	0.3659842	0.2393571	0.8613616	0.4922714	-3.1003126
5835000000	2.303834613	-1.780235837	-4.777537851	-5.021175169	0.210143249	-2.543403368	0.3328482	0.3146897	1.049577	0.5567493	-2.4913225
5835000000	2.303834613	-1.72787596	-4.430933263	-4.205735279	0.766335566	-0.457453869	0.3605012	0.3796877	1.1929811	0.650511	-1.8982112
5835000000	2.303834613	-1.675516082	-3.827919646	-3.79648586	0.867458997	-1.474973927	0.414198	0.4172068	1.221085	0.7120371	-1.6043916
5835000000	2.303834613	-1.623156204	-4.021419759	-3.579764192	0.5269516	-1.550318539	0.3961485	0.4385545	1.1286766	0.6997907	-1.7666106
5835000000	2.303834613	-1.570796327	-4.789090101	-3.200834459	-0.112931563	-1.875466164	0.331964	0.4785381	0.9743317	0.6493119	-2.1571334
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5835000000	2.303834613	-1.466076572	-1.765331098	-1.732258336	-1.350236624	-1.559389317	0.6659887	0.7617098	0.7327846	0.6983306	-1.5986508
5835000000	2.303834613	-1.413716694	-0.260446613	-1.181320448	-1.161334243	-1.49498023	0.9417927	0.6718473	0.6897088	0.8044554	-0.9270811
5835000000	2.303834613	-1.361356817	-0.031167342	-0.945467536	-1.694983819	-0.575642099	0.9928491	0.8043652	0.6768643	0.8758622	-0.7702286
5835000000	2.303834613	-1.308996939	-0.515028538	-0.877739062	-1.745783844	-0.568033778	0.8881721	0.8170076	0.6689931	0.877398	-0.8996678
5835000000	2.303834613	-1.256637061	-0.261635599	-0.751206988	-1.717556413	-0.727992035	0.9415349	0.8411613	0.6650348	0.8456698	-0.844154
5835000000	2.303834613	-1.204277184	-1.113180281	-0.517036278	-1.597054223	-0.816517196	1.2921652	0.8877616	0.6923018	0.8286064	-0.3376027
5835000000	2.303834613	-1.151917306	2.245969444	-0.367455747	-1.131471904	-0.815432501	1.6772467	0.9188707	0.7706422	0.8288134	0.207313
5835000000	2.303834613	-1.095557429	2.448626799	-0.516515576	-0.563071342	-0.953360077	1.7573679	0.8878681	0.8784011	0.8029047	0.340809
5835000000	2.303834613	-1.047197551	2.009600871	-0.99489435	-0.098720738	-1.46983124	1.5884008	0.7952626	0.9775251	0.7128807	0.0796841
5835000000	2.303834613	-0.994837674	1.89751229	-1.583301671	-0.275060642	-2.341257712	1.5479297	0.6944961	1.0653837	0.5832762	-0.1198919
5835000000	2.303834613	-0.942477796	2.513939721	-1.959244151	0.649937989	-1.93476307	1.7839964	0.6369064	1.161432	0.4792076	0.06631
5835000000	2.303834613	-0.890117919	3.009809211	-2.042506529	0.29419075	-3.636089182	1.999774	0.624812	1.2371406	0.4329035	0.3086577
5835000000	2.303834613	-0.837758041	2.740286054	-1.974575509	0.848799357	-3.666782382	1.8794406	0.6346619	1.2158498	0.4298548	0.170132
5835000000	2.303834613	-0.785398163	1.860837726	-1.722945666	0.560401901	-3.452236636	1.534913	0.6725204	1.0855259	0.4516233	-0.2865366
5835000000	2.303834613	-0.733038286	1.433305904	-1.13404451	-0.141661616	-3.022320894	1.3910111	0.7701859	0.9679075	0.498618	-0.4242595
5835000000	2.303834613	-0.680678408	2.155799641	-0.39873464	-0.008539528	-2.444450851	1.6427821	0.9122766	0.9980356	0.5695802	-0.311906
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5835000000	2.303834613	-0.41887902	1.621020315	0.255325302	-0.24957583	-0.250137718	1.4524528	1.0605534	0.9441531	0.9440309	0.4151015
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5835000000	2.303834613	0.052359878	0.186872535	0.008136734	-2.294864806	0.775099863	1.0439682	1.0018753	0.5895405	1.1964925	-0.1864851
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5835000000	2.303834613	0.41887902	-1.165567256	0.069252396	-1.758769432	0.910112609	0.7646158	1.0160738	0.6669957	1.2333924	-0.3608501
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5835000000	2.303834613	1.099557429	1.190592706	-2.155987111	1.478195374	-1.302541185	1.3154043	0.6086972	1.4054634	0.7408766	0.0758153
5835000000	2.303834613	1.151917306	0.071912879	-2.115673028	1.37577926	-1.10686895	1.1606964	0.6143738	1.3727384	0.7750171	-0.2470312
5835000000	2.303834613	1.204277184	-0.71593494	-1.889395298	1.09799579	-0.856111174	0.8480208	0.6472327	1.2876445	0.8210864	-0.4527708
5835000000	2.303834613	1.256637061	-0.57709422	-1.518390354	0.830373904	-0.401095031	0.8755694	0.7049543	1.2107024	0.9117809	-0.3305466
5835000000	2.303834613	1.308996939	0.022080674	-1.143603786	0.681413973	-0.073226837	1.0050972	0.7684925	1.1698802	0.9832803	-0.0802672
5835000000	2.303834613	1.361356817	0.167201635	-0.892576993	0.599052479	-0.72058078	1.0392503	0.814221	1.1479032	0.9396242	-0.064537
5835000000	2.303834613	1.413716694	-0.55093758	-0.809747115	0.545483154	-1.137760037	0.8808587	0.8298991	1.1105761	0.7695272	-0.4686139
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5835000000	2.303834613	1.518436449	-2.822402321	-0.88103085	-0.387290391	-0.4036759503	0.5221073	0.8163886	0.9146837	0.3947517	-1.7915327
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5835000000	2.303834613	1.675516082									

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5835000000	2.35619449	-1.308996939	-0.541282871	-1.252401147	-0.944534378	0.222146264	0.8828191	0.7494797	0.8045363	1.0524819	-0.5931957
5835000000	2.35619449	-1.256637061	0.070313088	-1.200842519	-0.924510728	-0.011845649	1.016322	0.7584304	0.808256	0.9972762	-0.4814245
5835000000	2.35619449	-1.204277184	1.578253097	-0.906157626	-0.670182352	-0.13538707	1.43822	0.8116789	0.8570019	0.6939069	0.081963
5835000000	2.35619449	-1.151917306	2.639588196	-0.623141847	-0.153419198	-0.162674108	1.8363642	0.8663349	0.9652906	0.9632357	0.6363953
5835000000	2.35619449	-1.099557429	2.811697901	-0.65176901	0.399454999	-0.366204979	1.9106001	0.8606431	1.0963406	0.9191354	0.7797796
5835000000	2.35619449	-1.047197551	2.464303699	-1.067254802	0.776514773	-0.989846632	1.763723	0.782122	1.1957805	0.7961875	0.547866
5835000000	2.35619449	-0.994837674	2.424731896	-1.66571231	-0.944534378	-1.9850055	1.7477254	0.6814418	1.2522836	0.6313396	0.3287957
5835000000	2.35619449	-0.942477796	2.917391531	-2.131219791	1.101485445	-2.958731816	1.9576685	0.6121784	1.2886903	0.5059724	0.3787546
5835000000	2.35619449	-0.90417919	3.222620219	-2.383573905	1.124891752	-3.499111425	2.1002066	0.5776205	1.2956544	0.446775	0.4338748
5835000000	2.35619449	-0.837758041	2.802376074	-2.540158592	0.892228298	-3.588928086	1.9065035	0.5571654	1.2280692	0.4376301	-0.1823262
5835000000	2.35619449	-0.785398163	1.810999967	-2.458172957	0.399640582	-3.395843726	1.5173997	0.5677834	1.0963875	0.4572528	-0.1066643
5835000000	2.35619449	-0.730382806	1.325385842	-1.830954677	0.048037421	-2.94370984	1.3568711	0.656011	1.0111224	0.5077255	-0.5407371
5835000000	2.35619449	-0.680678408	2.076888589	-0.912409501	0.063837297	-2.316213855	1.6132024	0.805113	1.0681539	0.5866494	0.0844228
5835000000	2.35619449	-0.628318531	2.94074336	-0.338330975	0.81622362	-1.821902514	1.9682232	0.9205362	1.2067369	0.6573698	0.7531064
5835000000	2.35619449	-0.575958653	3.000350519	-0.415784328	1.008257506	-1.631095088	1.9954234	0.8907022	1.2613214	0.6688952	0.8389142
5835000000	2.35619449	-0.523598776	2.305760507	-0.847562101	0.65903891	-1.487978538	1.7004977	0.8227043	1.1638684	0.7099081	0.4109436
5835000000	2.35619449	-0.471238898	1.630306895	-0.792669768	0.076782105	-1.046737669	1.4555619	0.831668	1.0178369	0.7858257	0.0991739
5835000000	2.35619449	-0.41887902	1.691397615	0.012691788	-0.250044116	-0.504334669	1.4761815	1.0029267	0.9440599	0.8903618	0.3277822
5835000000	2.35619449	-0.366519143	2.001865494	0.772157676	-0.316195751	-0.377513792	1.5855741	1.1948515	0.9297805	0.9167451	0.6320958
5835000000	2.35619449	-0.314159265	1.855355206	0.905242115	-0.526004854	-0.868672501	1.5329766	1.2317547	0.8859302	0.818715	0.4818695
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5835000000	2.35619449	-0.20943951	0.397358059	0.041008579	-1.129463147	-1.278563778	1.058114	1.0094873	0.7709988	0.7449783	-0.431984
5835000000	2.35619449	-0.157079633	-0.373593538	0.133368211	-0.367039801	-0.375197474	0.915753	1.0311856	0.8376624	0.9172342	-0.334294
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5835000000	2.35619449	-0.052359878	-0.784082373	0.643268255	-0.477104584	0.426803165	0.8348179	1.1596497	0.8959619	1.1032662	-0.0068502
5835000000	2.35619449	-4.44E-16	-0.18701288	0.10326937	-1.242996524	0.470273981	0.9578527	1.0990886	0.7511045	1.1143648	-0.0850694
5835000000	2.35619449	0.052359878	0.19594657	0.023181924	-2.279943107	0.796163286	1.0461517	1.0035321	0.5915696	1.2012028	-0.1724541
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5835000000	2.35619449	0.20943951	-1.130957798	-0.435182944	-3.57815125	0.825868857	0.7707335	0.9046523	0.7018083	1.2094471	-0.4737206
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5835000000	2.35619449	0.575958653	0.023277861	-0.696884805	-1.032607417	-0.24457649	1.0053743	0.8517488	0.7883866	0.9452406	-0.4687479
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5835000000	2.35619449	0.680678408	0.437718515	-0.603244976	-1.536750122	-1.654776675	1.1060426	0.8703131	0.7019804	0.6831598	-0.755274
5835000000	2.35619449	0.730382806	0.632314977	-0.337599401	-1.299226325	-1.814297933	1.1567287	0.9252094	0.7414361	0.5230825	-0.7747478
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5835000000	2.35619449	0.890117919	0.743309417	-1.247557747	-0.355994874	-4.341074704	1.1866727	0.750316	1.0854242	0.3680379	-0.7180255
5835000000	2.35619449	0.942477796	1.271112278	-1.527891111	0.666743805	-3.719336872	1.3400198	0.7034138	1.1659351	0.4246884	-0.4168672
5835000000	2.35619449	0.994837674	1.86319422	-1.480685778	1.048975675	-3.752366803	1.5357461	0.7111012	1.2732027	0.5305952	0.0546422
5835000000	2.35619449	1.047197551	1.912084369	-1.269693447	-1.97349386	-1.97349386	1.5531322	0.7418337	1.3826	0.63482	0.3265763
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5835000000	2.408554368	-0.471238898	1.720194401	-1.25830163	0.069184276	-1.365209704	1.4860022	0.7484621	1.0160578	0.7302626	-0.020913
5835000000	2.408554368	-0.41887902	1.768424755	-0.306371755	-0.254787151	-0.725038963	1.5025969	0.9318861	0.9430208	0.846245	0.2363808
5835000000	2.408554368	-0.366519143	2.052029761	0.573336847	-0.36293116	-0.440416316	1.6039949	1.1411262	0.9198285	0.9035629	-0.5771483
5835000000	2.408554368	-0.314159265	1.874782376	0.780718985	-1.242996831	-0.56685115	1.5398494	1.1398494	0.9299554	0.9447978	-0.2136408
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5835000000	2.408554368	-0.20943951	-0.036629334	-0.036629334	-1.110738235	-1.507470457	1.0804115	0.9916013	0.7743302	0.7067291	-0.5145598
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5835000000	2.408554368	-0.052359878	-0.787299147	0.614826458	-0.501255961	-0.414105181	0.8341998	1.15208	0.8909392	1.1000452	-0.0246965
5835000000	2.408554368	-4.44E-16	-0.187013068	0.410326652	-0.470274033	0.470274033	0.9578526	1.0990885	0.7511045	1.1143648	-0.0850695
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5835000000	2.408554368	0.366519143	-0.62320971	-0.391457442	-1.049683787	0.830807475	0.8663214	0.9138065	0.7852928	1.2108232	-0.2499995
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5835000000	2.408554368	0.733038286	1.086032686	-0.686897956	-1.252939003	-2.668027946	1.2841131	0.8537097	0.7493869	0.6414863	-0.7978587
5835000000	2.408554368	0.785398163	1.185786791	-0.677077643	-0.66237706	-0.41443751	1.3139495	0.8556423	0.8585435	0.3618731	-0.7185923
5835000000	2.408554368	0.8375758041	1.051958004	-0.981714955	-0.054427339	-4.512118833	1.2740774	0.7976796	0.9875459	0.5338247	-0.6890747
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5835000000	2.408554368	1.466076572									

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5835000000	2.513274123	-1.623156204	-1.970563098	-2.91652035	0.791984545	-3.340599754	0.6352486	0.5109142	1.2000475	0.4633829	-1.5341654
5835000000	2.513274123	-1.570796327	-0.981089478	-2.603890755	0.492294067	-3.059424245	0.7977945	0.5490488	1.1200294	0.4943762	-1.3058508
5835000000	2.513274123	-1.518436449	-0.170183747	-2.115787824	0.002323557	-2.531254244	0.9615716	0.6143576	1.0005142	0.5583089	-1.0585676
5835000000	2.513274123	-1.466076572	0.265576634	-1.542669274	-0.483979262	-1.900777814	1.0630597	0.7010243	0.8945448	0.6455386	-0.8299795
5835000000	2.513274123	-1.413716694	0.420651282	-1.178188611	-0.791255905	-1.461121268	1.1017045	0.7623969	0.8334401	0.7143119	-0.6906962
5835000000	2.513274123	-1.361356817	0.670940353	-1.171884872	-0.841916032	-1.443533257	1.1670623	0.7635043	0.8237746	0.7172106	-0.6153634
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5835000000	2.565634	-0.41887902	1.845902074	-1.550935116	-0.165866011	-1.12835569	1.5296434	0.6996913	0.9625281	0.7711954	-0.0402954
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5835000000	2.565634	0.052359878	0.226282843	0.09047038	-2.167375563	0.86957961	1.0534848	1.0210501	0.6071031	1.2216814	-0.106259
5835000000	2.565634	0.104719755	0.224568267	-0.242444644	-2.839145435	1.332020309	1.053069	0.9457047	0.5200983	1.3589455	-0.1347263
5835000000	2.565634	0.107579633	-0.051001291	-0.554063526	-2.780567311	1.268302785	0.9883252	0.8802249	0.527161	1.3391532	-0.2978165
5835000000	2.565634	0.20943951	-0.266435143	-0.840919915	-2.164218441	0.72560864	0.940495	0.8239636	0.6075446	1.1818459	-0.5136101
5835000000	2.565634	0.261799388	-0.218778935	-0.979033077	-1.541940575	0.401512918	0.9508721	0.7981724	0.7011419	1.0968602	-0.5219309
5835000000	2.565634	0.314159265	-0.021356385	-0.899508635	-1.228230587	0.496062047	0.9950946	0.8129225	0.7536626	1.1210015	-0.3589587
5835000000	2.565634	0.366519143	0.108970737	-0.791792729	-1.194979722	0.291589615	1.0254089	0.8333371	0.759455	1.0694462	-0.3531062
5835000000	2.565634	0.41887902	0.127429893	-0.913015996	-1.180654544	-0.557065532	1.0297765	0.8103981	0.7619642	0.9796167	-0.6026173
5835000000	2.565634	0.471238898	0.17092951	-1.345735108	-0.597808448	-1.420584053	1.0401428	0.7335455	0.8020827	0.7210105	-0.8396699
5835000000	2.565634	0.523598776	0.340648101	-1.970078204	-0.629004039	-1.488748841	1.0815953	0.6353195	0.8651663	0.7097822	-0.8461819
5835000000	2.565634	0.575958653	0.607403264	-2.508596238	-0.485457828	-1.316384202	1.1501125	0.5612294	0.8942403	0.7385188	-0.7778061
5835000000	2.565634	0.628318531	0.985161228	-2.632640278	-0.647617556	-1.25957898	1.2546313	0.5454262	0.8614662	0.6562089	-0.8121862
5835000000	2.565634	0.680678408	1.511197476	-2.289139888	-0.920170995	-3.284645855	1.4161842	0.590318	0.809064	0.4693917	-0.8553018
5835000000	2.565634	0.733038286	1.989703315	-1.834934942	-0.92954398	-5.218122714	1.58114	0.6554001	0.8073198	0.3007376	-0.7771613
5835000000	2.565634	0.785398163	2.074777404	-1.649640352	-2.542887626	-6.403616639	1.6124184	0.6389683	0.8861582	0.2288961	-0.6912214
5835000000	2.565634	0.837758041	1.616194057	-1.831966555	0.090905916	-6.501474802	1.4508396	0.6558437	1.02308	0.2237961	-0.7655399
5835000000	2.565634	0.890117919	0.891667372	-2.143861429	0.74141494	-6.704112986	1.2279106	0.6103991	1.1861551	0.2139598	-0.9177529
5835000000	2.565634	0.942477796	0.527858174	-2.17448887	-5.5635635	-7.470260867	1.1292389	0.6061096	1.3631899	0.1790498	-0.8650561
5835000000	2.565634	0.994837674	0.791910647	-1.837203274	1.889458532	-7.728141349	1.2000271	0.6550579	1.5450618	0.1682725	-0.4952874
5835000000	2.565634	1.047197551	1.275177466	-1.459058491	-1.535897612	-6.527277998	1.3412747	0.7146512	1.7044716	0.2227404	-0.0186409
5835000000	2.565634	1.099557429	1.531265117	-1.259604301	-7.52562623	-1.562907914	1.4227342	0.7482377	1.8095168	0.3404687	-0.2991783
5835000000	2.565634	1.151917306	1.413030694	-1.153280452	2.672260713	-4.604834135	1.3845322	0.7667821	1.8502315	0.3165193	-0.3621925
5835000000	2.565634	1.204277184	1.0370								

5835000000	2.617993878	-2.460914245	-7.697756929	-7.195851699	-9.897021439	-9.603729988	0.1699121	0.1907282	0.1023995	0.1095537	-8.4421361
5835000000	2.617993878	-2.408554368	-6.45858864	-6.108379641	-10.25907194	-10.012111015	0.226017	0.2449977	0.0942091	0.0997215	-7.7927403
5835000000	2.617993878	-2.35619449	-5.442669474	-5.819184194	-9.249397286	-8.764633446	0.2855835	0.2618675	0.1188667	0.1329036	-6.9939297
5835000000	2.617993878	-2.303834613	-5.171662772	-6.3701834	-7.381131532	-6.333491128	0.3039721	0.230605	0.1827624	0.2362221	-6.2432654
5835000000	2.617993878	-2.251474735	-5.878064557	-7.830679566	-5.921241795	-4.493724264	0.2583411	0.1647905	0.2557854	0.3553265	-5.8743719
5835000000	2.617993878	-2.199114858	-7.163893481	-9.705288226	-5.083852762	-3.694662432	0.1921368	0.1070215	0.3101807	0.4271041	-5.865145
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5835000000	2.617993878	-2.094395102	-7.414361504	-8.831869814	-3.571247341	-4.309928968	0.1813693	0.1308618	0.4394154	0.3706868	-5.5193812
5835000000	2.617993878	-2.042035225	-8.215197283	-7.328316256	-5.224496735	-4.5158418	0.1508274	0.1489986	0.5591783	0.3535215	-5.0566247
5835000000	2.617993878	-1.989675347	-10.19742936	-6.505714288	-1.651643099	-4.14365719	0.0955558	0.2235777	0.6836529	0.3851399	-4.5968918
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5835000000	2.617993878	-1.884955592	-7.796343118	-6.177345232	-0.832059685	-3.473293853	0.1660985	0.2411379	0.8256463	0.4494389	-3.7615099
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5835000000	2.617993878	-1.72787596	-3.521501538	-4.456132564	0.054893582	-2.000869274	0.4444776	0.3584155	1.0127199	0.6308311	-2.1352471
5835000000	2.617993878	-1.675516082	-2.204417467	-4.339900008	0.370476284	-1.384887866	0.601947	0.3681374	1.0890495	0.7269612	-1.5706405
5835000000	2.617993878	-1.623156204	-1.188744683	-4.492153049	0.483875982	-1.17063153	0.7605461	0.3554551	1.1178605	0.7637247	-1.2528829
5835000000	2.617993878	-1.570796327	-0.733439607	-4.365179931	0.35778354	-1.316169431	0.8446097	0.3660008	1.0858713	0.7385554	-1.1989599
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5835000000	2.617993878	0.523598776	0.560300028	-2.514064843	-0.64589184	-1.615738242	1.1377059	0.5605231	0.8618086	0.6827501	-0.9114148
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5835000000	2.670353756	-2.042035225	-9.145948104	-8.293794036	-2.450413974	-4.322793162	0.1217321	0.1481224	0.5687987	0.3695904	-5.1990549
5835000000	2.670353756	-1.986753347	-9.088802569	-7.14511846	-1.669111202	-3.184558516	0.1233445	0.1929693	0.6809087	0.4803349	-4.3251564
5835000000	2.670353756	-1.93731547	-6.736782307	-6.619884886	-1.223452851	-2.309609064	0.2119931	0.2177767	0.7544921	0.5875422	-3.5364425
5835000000	2.670353756	-1.884955592	-4.896134531	-6.418942459	-1.023437324	-2.024311132	0.3238818	0.2280897	0.7900531	0.6274352	-3.0771286
5835000000	2.670353756	-1.832595715	-4.23759214	-5.999313217	-0.89832182	-1.924340842	0.3769127	0.2512284	0.8131447	0.6420457	-2.8330163
5835000000	2.670353756	-1.780235837	-3.938091561	-5.27085633	-0.704412447	-1.511104329	0.4038228	0.297108	0.8502737	0.706138	-2.4846253
5835000000	2.670353756	-1.72787596	-3.016195381	-4.653397764	-0.410115409	-0.832909691	0.4993217	0.3424997	0.9098891	0.8254847	-1.9091267
5835000000	2.670353756	-1.675516082	-1.814587057	-4.422042469	-1.16862651	-0.365245237	0.658478	0.3612399	0.9734502	0.9193386	-1.3779905
5835000000	2.670353756	-1.623156204	-1.140303973	-4.417401338	0.044756662	-0.408871726	0.7690766	0.3616262	0.1033589	0.9101497	-1.175877
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5835000000	2.670353756	-1.466076572	0.451643719	-2.115814912	-0.227382062	-1.429921557	1.1095947	0.6143537	0.9490002	0.719462	-0.7155135
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5835000000	2.722713633	-0.314159265	1.509709411	-0.412425389	-0.735130127	-0.454034603	1.4156991	0.9094053	0.8442784	0.900734	-0.0754687
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5835000000	2.827433388	-2.513274123	-8.039954113	-8.398753718	-11.97182117	-6.878309732	0.1570379	0.1445855	0.0635065	0.2051961	-8.4593688
5835000000	2.827433388	-2.460914245	-7.572447378	-8.721016299	-11.80038166	-5.397391925	0.1748861	0.1342451	0.0660635	0.2888157	-7.798157
5835000000	2.827433388	-2.408554368	-8.402007145	-11.18077195	-10.04612487	-4.397887585	0.1444772	0.0761944	0.0989436	0.3632547	-7.6772208
5835000000	2.827433388	-2.35619449	-10.73636512	-13.92784282	-7.305591248	-3.61017201	0.0844041	0.0404777	0.1859691	0.4354946	-7.2912005
5835000000	2.827433388	-2.30384613	-13.36620062	-10.94312348	-4.920387943	-2.996872636	0.0406659	0.0804799	0.3220781	0.5015483	-6.2425764
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5835000000	2.827433388	-2.199114858	-11.02593232	-5.954736686	-3.463976001	-3.222869653	0.0789599	0.2538203	0.4504042	0.4761163	-5.0193056
5835000000	2.827433388	-2.14675498	-10.86198001	-5.740043714	-3.908607499	-4.004244589	0.0819978	0.2668832	0.4065737	0.3977183	-5.402409
5835000000	2.827433388	-2.094395102	-10.18946466	-6.587558438	-3.957785234	-3.893359298	0.0957312	0.2194038	0.4019958	0.4080037	-5.5085557
5835000000	2.827433388	-2.042035225	-7.740783446	-8.040730648	-3.162367153	-2.519424837	0.1682371	0.1570099	0.4827956	0.5598317	-4.6601382
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5835000000	2.879793266	-0.942477796	4.00720225	-9.408118644	2.995056144	-2.637634153	2.5160555	0.1146009	1.9909466	0.5447994	1.1112824
5835000000	2.879793266	-0.890117919	4.51860881	-8.109184208	3.082885236	-2.830251765	2.6012739	0.1545545	2.0337077	0.5211645	1.2309182
5835000000	2.879793266	-0.837758041	3.922191931	-8.111935133	2.955052125	-3.467877291	2.4672843	0.1544566	1.9747186	0.4820946	1.0368009
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5835000000	2.879793266	-0.104719755	-0.898515396	0.106075608	-0.434409786	-0.66466971	0.8131084	1.0247255	0.9048134	0.9851296	-0.3059959
5835000000	2.879793266	-0.052359878	-0.674539935	0.375909725	-0.758174564	0.367802942	0.8561424	1.0904129	0.8398129	1.0883794	-0.1381658
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5835000000	2.984513021	-2.932153143	-13.33456453	-24.04009799	-12.33026075	-7.34183154	0.0464027	0.00363	0.0584755	0.1844237	-11.352933
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5835000000	2.984513021	-2.827433388	-13.48679039	-13.79227731	-10.46342318	-7.144887937	0.0484084	0.0417611	0.0898789	0.1813473	-10.484296
5835000000	2.984513021	-2.775073511	-15.84747623	-13.75296347	-10.41174539	-7.627847663	0.0260167	0.0242109	0.0909548	0.1726693	-10.812076
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5835000000	2.984513021	-2.670353756	-14.70319196	-18.88445257	-11.25024617	-8.13855607	0.0338595	0.0129287	0.0749852	0.1535127	-11.622757
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5835000000	3.036872899	-1.518436449	-3.373856614	-4.733851833	-0.60130674	-1.0562133	0.459848	0.3362132	0.8707016	0.784113	-2.1273867
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5835000000	3.036872899	-1.413716694	-1.013234715	-4.441296515	0.10895649	-0.69708625	0.9742637	0.359642	1.0253205	0.8517093	-0.9542847
5835000000	3.036872899	-1.361356817	0.865208298	-4.27816724	0.351305043	-0.664714156	1.2204524	0.3734077	1.0842527	0.8580816	-0.5352381
5835000000	3.036872899	-1.308996939	1.236139337	-3.935682425	0.718427233	-1.005056401	1.329272	0.4040469	1.1798933	0.793404	-0.3308236
5835000000	3.036872899	-1.256637061	1.496196035	-3.359707064	1.272263236	-1.147522627	1.4113009	0.4613487	1.340375	0.6687253	-0.1303245
5835000000	3.036872899	-1.204277184	2.003238034	-2.864241331	1.881351673	-2.671219529	1.5860753	0.5171016	1.5421804	0.5406025	0.1973506
5835000000	3.036872899	-1.151917306	2.656960561	-2.944159219	3.38460536	-3.434647753	1.8437246	0.507673	1.7133499	0.4534561	0.529058
5835000000	3.036872899	-1.099557429	3.172618034	-4.085237741	2.530714249	-4.046125811	2.0761647	0.3903698	1.7909004	0.3939013	0.6551774
5835000000	3.036872899	-1.047197551	3.434074316	-6.868638064	2.509440123	-4.78378195	2.2049941	0.2056335	1.7821342	0.3282556	0.5317812
5835000000	3.036872899	-0.994837674	3.556722921	-11.88518778	2.433614218	-5.621992325	2.2681527	0.064786	1.7513035	0.2740317	0.3725543
5835000000	3.036872899	-0.942477796	3.692221095	-13.0989791	2.41894545	-5.285793	2.3400337	0.0489895	1.7453383	0.285793	0.4337745
5835000000	3.036872899	-0.890117919	3.800792845	-8.966481053	2.430248297	-4.401875778	2.3992709	0.1268679	1.7499467	0.3629213	0.6436052
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5835000000	3.036872899	-0.628318531	1.648151753	-6.264619409	1.696091495	-2.165074999	1.461555	0.2363405	1.4777799	0.6074248	-0.2421215
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5835000000	3.036872899	-0.523598776	2.107543107	-2.07761003	1.281723636	-2.494399343	1.6246294	0.6197821	1.3431588	0.563067	-0.1625479
5835000000	3.036872899	-0.471238898	2.199517664	-0.844237648	0.771587847	-2.674771058	1.6594026	0.8233344	1.1944247	0.5401606	0.229768
5835000000	3.036872899	-0.41887902	2.040759256	-0.331994325	0.212039112	-2.32634688	1.5998377	0.9264043	1.0500353	0.5852882	0.1719612
5835000000	3.036872899	-0.366519143	1.734211897	-0.3968920	-0.136244049	-1.711518356	1.4908062	0.9126637	0.9691156	0.6742922	0.050601
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5835000000	3.036872899	-0.261799388	0.832396259	-0.833126568	-0.098272868	-1.253841068	1.2112663	0.8254435	0.9776259	0.7492313	-0.2646034
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5835000000	3.036872899	-0.104719755	-0.72895827	0.058979344	-0.50979542	-0.104812396	0.8454816	1.0136731	0.8892463	1.0034165	-0.2781828
5835000000	3.036872899	-0.052359878	-0.587865476	0.307107841	-0.864654524	0.383664405	0.8734005	1.0372744	0.8194745	1.0923616	-0.1564023
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5835000000	3.036872899	0.104719755	0.1045167491	0.103953183	-1.95856545	1.718955645	1.1328092	0.9763481	0.6376999	1.4855784	0.2453035
5835000000	3.036872899	0.157079633	0.776508037	-0.688433519	-2.036624227	1.667644982	1.1957787	0.8534079	0.6256588	1.4681299	0.1525326
5835000000	3.036872899	0.20943951	0.889777155								

5835000000	3.036872899	2.932153143	-9.482457124	-12.59037676	-21.99306238	-14.68758776	0.112656	0.055076	0.0063197	0.0339814	-12.839277
5835000000	3.036872899	2.984513021	-11.97704333	-15.78673945	-19.79424452	-17.45695594	0.0634301	0.0263831	0.0104852	0.0179599	-15.292282
5835000000	3.036872899	3.036872899	-16.2221612	-21.78100813	-18.15469296	-20.85128274	0.0238662	0.0066359	0.0512943	0.008219	-18.695422
5835000000	3.036872899	3.089232776	-20.27897018	-23.13416367	-18.53790436	-21.30562368	0.0093778	0.0048594	0.0140026	0.0074035	-20.50081
5835000000	3.036872899	-21.9152654	-21.9153432	-22.79366739	-23.55774194	-23.55774194	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681
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5835000000	3.089232776	-2.722713633	-15.04646854	-14.00995915	-12.17410125	-7.614489981	0.0312862	0.0397195	0.0606164	0.1732012	-11.180117
5835000000	3.089232776	-2.670353756	-14.29183562	-20.25988736	-11.21576078	-7.0800472	0.0372234	0.0094191	0.075583	0.1958823	-10.994856
5835000000	3.089232776	-2.617993878	-13.37348264	-17.34221996	-9.872415593	-5.846588535	0.0459888	0.0184407	0.1029813	0.2602203	-9.7099072
5835000000	3.089232776	-2.565634	-12.53243371	-12.19437746	-9.428176379	-4.474154532	0.0558157	0.060334	0.1140729	0.3569312	-8.3330808
5835000000	3.089232776	-2.513274123	-10.4356469	-10.01404828	-10.08128767	-3.45145355	0.0904556	0.099677	0.0981457	0.4517047	-7.3283822
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5835000000	3.089232776	-1.466076572	-2.251088764	-4.448775954	0.551086633	-0.821482992	0.5955128	0.5390231	1.1352949	0.8276595	-1.3705507
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5835000000	3.089232776	-0.733038286	2.6276469	-6.82896156	2.095759357	-3.400454254	1.8041659	0.207541	1.6202273	0.4570404	-0.0955441
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5835000000	3.089232776	-0.41887902	2.293907903	-0.085019597	-0.024317853	-2.246679565	1.6958631	0.9806139	0.9944163	0.5961177	0.2806377
5835000000	3.089232776	-0.366519143	1.862654182	-0.213018042	-0.201908682	-1.832355361	1.5355551	0.9521343	0.954573	0.6557895	0.1051746
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5835000000	3.089232776	-0.20943951	0.241730843	-0.617961681	-0.051292359	-1.226591099	1.0572388	0.8673689	0.988259	0.7539471	-0.3777114
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5835000000	3.089232776	0.104719755									

5835000000	3.089232776	2.827433388	-9.512924457	-12.89905916	-14.22685567	-14.16897087	0.1118684	0.0512973	0.0377846	0.0382915	-12.232229
5835000000	3.089232776	2.879793266	-8.921942867	-12.2823351	-17.56866844	-14.70138823	0.1281757	0.0591244	0.0175038	0.0338736	-12.242485
5835000000	3.089232776	2.932153143	-9.649260542	-12.59037201	-21.72874013	-14.55238244	0.1084111	0.0550761	0.0067162	0.035056	-12.89757
5835000000	3.089232776	2.984513021	-12.20947691	-15.75493173	-19.80488432	-17.04476783	0.0601246	0.0265771	0.0104595	0.019748	-15.342113
5835000000	3.089232776	3.036872899	-16.36002389	-21.71647845	-18.0665742	-20.73139005	0.0231205	0.0067352	0.0156078	0.0084501	-18.703612
5835000000	3.089232776	3.089232776	-20.12614573	-22.90196665	-18.44848321	-21.39855694	0.0097137	0.0051263	0.0142939	0.0072468	-20.411889
5835000000	3.089232776	3.141592654	-21.91534296	-22.79366692	-20.12386031	-23.55774203	0.0064338	0.0052557	0.0097188	0.0044078	-21.901681