

Dimension	Phi_d	Pi_d	Energy_Density
1	2.334280576	8.321203285	0.2805219986
1.1	2.180777139	9.246502059	0.2358488783
1.2	2.052108435	10.24824846	0.2002399184
1.3	1.94258888	11.32714058	0.1714986113
1.4	1.848152802	12.48391231	0.1480427574
1.5	1.765815089	13.71933517	0.1287099606
1.6	1.693333982	15.03422022	0.1126319794
1.7	1.628992813	16.42942013	0.09915096213
1.8	1.571454435	17.90583126	0.08776216041
1.9	1.519661579	19.46439595	0.0780739142
2	1.472767069	21.10610484	0.06977919801
2.1	1.430083949	22.83199936	0.06263507312
2.2	1.391049197	24.64317435	0.0564476466
2.3	1.355196876	26.54078078	0.05106092724
2.4	1.322137999	28.52602862	0.04634847761
2.5	1.291545201	30.60018988	0.04220709761
2.6	1.263140954	32.76460179	0.03855200079
2.7	1.236688384	35.02067015	0.03531309876
2.8	1.21198405	37.36987283	0.03243211599
2.9	1.188852223	39.81376346	0.02986033269
3	1.167140288	42.35397534	0.02755680615
3.1	1.146715051	44.99222551	0.02548695999
3.2	1.127459722	47.73031905	0.0236214579
3.3	1.109271449	50.57015357	0.0219352992
3.4	1.092059288	53.51372399	0.02040708825
3.5	1.075742514	56.5631275	0.01901844119
3.6	1.060249216	59.72056882	0.01775350164
3.7	1.045515119	62.98836572	0.01659854335
3.8	1.031482584	66.36895478	0.01554164273
3.9	1.018099772	69.86489753	0.01457240772
4	1.005319924	73.47888681	0.01368175224
4.1	0.9931007488	77.21375356	0.01286170796
4.2	0.981403897	81.07247381	0.01210526645
4.3	0.970194509	85.05817624	0.01140624631
4.4	0.959440823	89.17414988	0.01075918104
4.5	0.9491138353	93.42385244	0.01015922391
4.6	0.9391870043	97.81091888	0.009602067081
4.7	0.9296359926	102.3391705	0.009083872653
4.8	0.9204384404	107.0126247	0.008601213578
4.9	0.9115737666	111.8355045	0.008151022972
5	0.9030229938	116.8122499	0.007730550475
5.1	0.8947685933	121.9475281	0.007337324564

5.2	0.8867943481	127.2462459	0.006969119931
5.3	0.8790852312	132.7135615	0.006623929171
5.4	0.8716272971	138.3548977	0.006299938144
5.5	0.8644075854	144.1759552	0.005995504481
5.6	0.8574140339	150.1827271	0.005709138797
5.7	0.8506354018	156.3815137	0.00543948822
5.8	0.8440611998	162.7789384	0.005185321933
5.9	0.8376816277	169.3819641	0.004945518444
6	0.831487518	176.1979108	0.004719054354
6.1	0.825470285	183.2344736	0.004504994442
6.2	0.8196218791	190.4997423	0.004302482876
6.3	0.8139347447	198.0022215	0.004110735418
6.4	0.8084017826	205.7508517	0.003929032496
6.5	0.8030163157	213.755032	0.003756713038
6.6	0.7977720574	222.0246432	0.003593168964
6.7	0.7926630835	230.5700728	0.003437840279
6.8	0.7876838057	239.4022409	0.003290210663
6.9	0.7828289482	248.5326273	0.003149803536
7	0.7780935254	257.9733006	0.00301617851
7.1	0.7734728225	267.7369481	0.002888928211
7.2	0.7689623766	277.8369076	0.002767675408
7.3	0.7645579604	288.2872007	0.00265207043
7.4	0.7602555659	299.1025679	0.002541788829
7.5	0.7560513911	310.2985056	0.002436529269
7.6	0.7519418259	321.8913045	0.002336011615
7.7	0.7479234404	333.8980906	0.002239975194
7.8	0.7439929736	346.3368682	0.002148177228
7.9	0.7401473228	359.2265644	0.002060391397
8	0.7363835343	372.5870769	0.001976406537
8.1	0.7326987942	386.4393234	0.001896025456
8.2	0.7290904199	400.8052943	0.001819063846
8.3	0.7255558529	415.7081072	0.001745349297
8.4	0.7220926512	431.1720653	0.001674720394
8.5	0.7186984828	447.2227176	0.001607025883
8.6	0.7153711196	463.8869231	0.001542123918
8.7	0.7121084313	481.1929179	0.001479881363
8.8	0.7089083802	499.1703857	0.001420173152
8.9	0.7057690161	517.8505323	0.001362881704
9	0.7026884717	537.2661633	0.001307896383
9.1	0.6996649579	557.4517664	0.001255112998
9.2	0.6966967599	578.4435974	0.00120443335
9.3	0.6937822333	600.279771	0.001155764806
9.4	0.6909198003	623.0003561	0.001109019912

9.5	0.6881079466	646.6474761	0.001064116032
9.6	0.685345218	671.265414	0.001020975018
9.7	0.6826302172	696.9007231	0.000979522899
9.8	0.6799616014	723.6023438	0.000939689606
9.9	0.6773380795	751.4217255	0.000901408698

Dimension	Phi_d	Pi_d	Energy_Density
1	2.334280576	8.321203285	0.2805219986
1.1	2.180777139	9.246502059	0.2358488783
1.2	2.052108435	10.24824846	0.2002399184
1.3	1.94258888	11.32714058	0.1714986113
1.4	1.848152802	12.48391231	0.1480427574
1.5	1.765815089	13.71933517	0.1287099606
1.6	1.693333982	15.03422022	0.1126319794
1.7	1.628992813	16.42942013	0.09915096213
1.8	1.571454435	17.90583126	0.08776216041
1.9	1.519661579	19.46439595	0.0780739142
2	1.472767069	21.10610484	0.06977919801
2.1	1.430083949	22.83199936	0.06263507312
2.2	1.391049197	24.64317435	0.0564476466
2.3	1.355196876	26.54078078	0.05106092724
2.4	1.322137999	28.52602862	0.04634847761
2.5	1.291545201	30.60018988	0.04220709761
2.6	1.263140954	32.76460179	0.03855200079
2.7	1.236688384	35.02067015	0.03531309876
2.8	1.21198405	37.36987283	0.03243211599
2.9	1.188852223	39.81376346	0.02986033269
3	1.167140288	42.35397534	0.02755680615
3.1	1.146715051	44.99222551	0.02548695999
3.2	1.127459722	47.73031905	0.0236214579
3.3	1.109271449	50.57015357	0.0219352992
3.4	1.092059288	53.51372399	0.02040708825
3.5	1.075742514	56.5631275	0.01901844119
3.6	1.060249216	59.72056882	0.01775350164
3.7	1.045515119	62.98836572	0.01659854335
3.8	1.031482584	66.36895478	0.01554164273
3.9	1.018099772	69.86489753	0.01457240772
4	1.005319924	73.47888681	0.01368175224
4.1	0.9931007488	77.21375356	0.01286170796
4.2	0.981403897	81.07247381	0.01210526645
4.3	0.970194509	85.05817624	0.01140624631
4.4	0.959440823	89.17414988	0.01075918104
4.5	0.9491138353	93.42385244	0.01015922391
4.6	0.9391870043	97.81091888	0.009602067081
4.7	0.9296359926	102.3391705	0.009083872653
4.8	0.9204384404	107.0126247	0.008601213578
4.9	0.9115737666	111.8355045	0.008151022972
5	0.9030229938	116.8122499	0.007730550475
5.1	0.8947685933	121.9475281	0.007337324564

5.2	0.8867943481	127.2462459	0.006969119931
5.3	0.8790852312	132.7135615	0.006623929171
5.4	0.8716272971	138.3548977	0.006299938144
5.5	0.8644075854	144.1759552	0.005995504481
5.6	0.8574140339	150.1827271	0.005709138797
5.7	0.8506354018	156.3815137	0.00543948822
5.8	0.8440611998	162.7789384	0.005185321933
5.9	0.8376816277	169.3819641	0.004945518444
6	0.831487518	176.1979108	0.004719054354
6.1	0.825470285	183.2344736	0.004504994442
6.2	0.8196218791	190.4997423	0.004302482876
6.3	0.8139347447	198.0022215	0.004110735418
6.4	0.8084017826	205.7508517	0.003929032496
6.5	0.8030163157	213.755032	0.003756713038
6.6	0.7977720574	222.0246432	0.003593168964
6.7	0.7926630835	230.5700728	0.003437840279
6.8	0.7876838057	239.4022409	0.003290210663
6.9	0.7828289482	248.5326273	0.003149803536
7	0.7780935254	257.9733006	0.00301617851
7.1	0.7734728225	267.7369481	0.002888928211
7.2	0.7689623766	277.8369076	0.002767675408
7.3	0.7645579604	288.2872007	0.00265207043
7.4	0.7602555659	299.1025679	0.002541788829
7.5	0.7560513911	310.2985056	0.002436529269
7.6	0.7519418259	321.8913045	0.002336011615
7.7	0.7479234404	333.8980906	0.002239975194
7.8	0.7439929736	346.3368682	0.002148177228
7.9	0.7401473228	359.2265644	0.002060391397
8	0.7363835343	372.5870769	0.001976406537
8.1	0.7326987942	386.4393234	0.001896025456
8.2	0.7290904199	400.8052943	0.001819063846
8.3	0.7255558529	415.7081072	0.001745349297
8.4	0.7220926512	431.1720653	0.001674720394
8.5	0.7186984828	447.2227176	0.001607025883
8.6	0.7153711196	463.8869231	0.001542123918
8.7	0.7121084313	481.1929179	0.001479881363
8.8	0.7089083802	499.1703857	0.001420173152
8.9	0.7057690161	517.8505323	0.001362881704
9	0.7026884717	537.2661633	0.001307896383
9.1	0.6996649579	557.4517664	0.001255112998
9.2	0.6966967599	578.4435974	0.00120443335
9.3	0.6937822333	600.279771	0.001155764806
9.4	0.6909198003	623.0003561	0.001109019912

9.5	0.6881079466	646.6474761	0.001064116032
9.6	0.685345218	671.265414	0.001020975018
9.7	0.6826302172	696.9007231	0.000979522899
9.8	0.6799616014	723.6023438	0.000939689606
9.9	0.6773380795	751.4217255	0.000901408698

Dimensional Mod	Energy Decay M	Feedback Modul	Detectability
0.5	0.5	0.8	18.18207277
0.5	0.5	0.975	17.79415972
0.5	0.5	1.15	19.02074359
0.5	0.5	1.325	18.38837647
0.5	0.5	1.5	19.40618167
0.5	0.75	0.8	18.67284588
0.5	0.75	0.975	18.04852272
0.5	0.75	1.15	19.09764031
0.5	0.75	1.325	18.2927528
0.5	0.75	1.5	19.34200388
0.5	1	0.8	19.16617897
0.5	1	0.975	18.4172351
0.5	1	1.15	19.3610789
0.5	1	1.325	18.45548291
0.5	1	1.5	19.44105171
0.5	1.25	0.8	19.52225755
0.5	1.25	0.975	18.73870917
0.5	1.25	1.15	19.60180434
0.5	1.25	1.325	18.63771239
0.5	1.25	1.5	19.55758987
0.5	1.5	0.8	19.78338551
0.5	1.5	0.975	18.9659303
0.5	1.5	1.15	19.78843909
0.5	1.5	1.325	18.8047712
0.5	1.5	1.5	19.67862828
0.75	0.5	0.8	27.27310915
0.75	0.5	0.975	26.69123959
0.75	0.5	1.15	28.53111538
0.75	0.5	1.325	27.58256471
0.75	0.5	1.5	29.1092725
0.75	0.75	0.8	28.00926883
0.75	0.75	0.975	27.07278408
0.75	0.75	1.15	28.64646047
0.75	0.75	1.325	27.43912919
0.75	0.75	1.5	29.01300582
0.75	1	0.8	28.74926845
0.75	1	0.975	27.62585265
0.75	1	1.15	29.04161834
0.75	1	1.325	27.68322437
0.75	1	1.5	29.16157757
0.75	1.25	0.8	29.28338632
0.75	1.25	0.975	28.10806375

0.75	1.25	1.15	29.40270652
0.75	1.25	1.325	27.95656859
0.75	1.25	1.5	29.33638481
0.75	1.5	0.8	29.67507826
0.75	1.5	0.975	28.44889545
0.75	1.5	1.15	29.68265864
0.75	1.5	1.325	28.2071568
0.75	1.5	1.5	29.51794242
1	0.5	0.8	36.36414554
1	0.5	0.975	35.58831945
1	0.5	1.15	38.04148718
1	0.5	1.325	36.77675294
1	0.5	1.5	38.81236334
1	0.75	0.8	37.34569177
1	0.75	0.975	36.09704544
1	0.75	1.15	38.19528062
1	0.75	1.325	36.58550559
1	0.75	1.5	38.68400776
1	1	0.8	38.33235794
1	1	0.975	36.83447021
1	1	1.15	38.72215779
1	1	1.325	36.91096583
1	1	1.5	38.88210343
1	1.25	0.8	39.04451509
1	1.25	0.975	37.47741833
1	1.25	1.15	39.20360869
1	1.25	1.325	37.27542479
1	1.25	1.5	39.11517974
1	1.5	0.8	39.56677101
1	1.5	0.975	37.9318606
1	1.5	1.15	39.57687819
1	1.5	1.325	37.6095424
1	1.5	1.5	39.35725656
1.25	0.5	0.8	45.45518192
1.25	0.5	0.975	44.48539931
1.25	0.5	1.15	47.55185897
1.25	0.5	1.325	45.97094118
1.25	0.5	1.5	48.51545417
1.25	0.75	0.8	46.68211471
1.25	0.75	0.975	45.1213068
1.25	0.75	1.15	47.74410078
1.25	0.75	1.325	45.73188199
1.25	0.75	1.5	48.3550097

1.25	1	0.8	47.91544742
1.25	1	0.975	46.04308776
1.25	1	1.15	48.40269724
1.25	1	1.325	46.13870729
1.25	1	1.5	48.60262928
1.25	1.25	0.8	48.80564387
1.25	1.25	0.975	46.84677292
1.25	1.25	1.15	49.00451086
1.25	1.25	1.325	46.59428098
1.25	1.25	1.5	48.89397468
1.25	1.5	0.8	49.45846377
1.25	1.5	0.975	47.41482574
1.25	1.5	1.15	49.47109774
1.25	1.5	1.325	47.01192801
1.25	1.5	1.5	49.19657071
1.5	0.5	0.8	54.54621831
1.5	0.5	0.975	53.38247917
1.5	0.5	1.15	57.06223077
1.5	0.5	1.325	55.16512941
1.5	0.5	1.5	58.21854501
1.5	0.75	0.8	56.01853765
1.5	0.75	0.975	54.14556816
1.5	0.75	1.15	57.29292094
1.5	0.75	1.325	54.87825839
1.5	0.75	1.5	58.02601164
1.5	1	0.8	57.49853691
1.5	1	0.975	55.25170531
1.5	1	1.15	58.08323669
1.5	1	1.325	55.36644874
1.5	1	1.5	58.32315514
1.5	1.25	0.8	58.56677264
1.5	1.25	0.975	56.2161275
1.5	1.25	1.15	58.80541303
1.5	1.25	1.325	55.91313718
1.5	1.25	1.5	58.67276961
1.5	1.5	0.8	59.35015652
1.5	1.5	0.975	56.89779089
1.5	1.5	1.15	59.36531728
1.5	1.5	1.325	56.41431361
1.5	1.5	1.5	59.03588485

Time (t)	Max Amplitude (F	Decay Rate Approx	
0	0.9949114704	0.1	
0.05050505051	0.9042875036	0.1	
0.101010101	0.8332211542	0.1	
0.1515151515	0.7757732418	0.1	
0.202020202	0.7276959328	0.1	
0.2525252525	0.687424738	0.1	
0.303030303	0.6518910818	0.1	
0.3535353535	0.6209356974	0.1	
0.404040404	0.5935255429	0.1	
0.4545454545	0.5690564913	0.1	
0.5050505051	0.5469492958	0.1	
0.5555555556	0.5269031696	0.1	
0.6060606061	0.5085481609	0.1	
0.6565656566	0.4917233702	0.1	
0.7070707071	0.4761558308	0.1	
0.7575757576	0.461756489	0.1	
0.8080808081	0.448333777	0.1	
0.8585858586	0.4358081833	0.1	
0.9090909091	0.424076701	0.1	
0.9595959596	0.4130265111	0.1	
1.01010101	0.4026514519	0.1	
1.060606061	0.3928072033	0.1	
1.111111111	0.3835017291	0.1	
1.161616162	0.3746946002	0.1	
1.212121212	0.366324528	0.1	
1.262626263	0.3583275078	0.1	
1.313131313	0.350713922	0.1	
1.363636364	0.3434425851	0.1	
1.414141414	0.3364913193	0.1	
1.464646465	0.3298330262	0.1	
1.515151515	0.3234436615	0.1	
1.565656566	0.3173014683	0.1	
1.616161616	0.311396345	0.1	
1.666666667	0.3057148214	0.1	
1.717171717	0.300255578	0.1	
1.767676768	0.2949529444	0.1	
1.818181818	0.2898822355	0.1	
1.868686869	0.2849549034	0.1	
1.919191919	0.2801860711	0.1	
1.96969697	0.2756070304	0.1	
2.02020202	0.2711478403	0.1	
2.070707071	0.2668116165	0.1	

2.121212121	0.262645264	0.1	
2.171717172	0.2585732221	0.1	
2.222222222	0.2546283598	0.1	
2.272727273	0.2508593388	0.1	
2.323232323	0.2470716364	0.1	
2.373737374	0.2435109893	0.1	
2.424242424	0.2399236877	0.1	
2.474747475	0.236489324	0.1	
2.525252525	0.2331717885	0.1	
2.575757576	0.2299497606	0.1	
2.626262626	0.2267309561	0.1	
2.676767677	0.2236305361	0.1	
2.727272727	0.2206306501	0.1	
2.777777778	0.2177152492	0.1	
2.828282828	0.2147865121	0.1	
2.878787879	0.2120580118	0.1	
2.929292929	0.2092202619	0.1	
2.97979798	0.206550464	0.1	
3.03030303	0.2039719877	0.1	
3.080808081	0.2013504398	0.1	
3.131313131	0.1988241563	0.1	
3.181818182	0.1963758869	0.1	
3.232323232	0.1940121647	0.1	
3.282828283	0.1916076409	0.1	
3.333333333	0.1892921253	0.1	
3.383838384	0.1870494178	0.1	
3.434343434	0.1847835829	0.1	
3.484848485	0.1826814976	0.1	
3.535353535	0.1804913782	0.1	
3.585858586	0.1783794576	0.1	
3.636363636	0.1763234556	0.1	
3.686868687	0.1743668695	0.1	
3.737373737	0.1723468843	0.1	
3.787878788	0.1703831907	0.1	
3.838383838	0.1684689403	0.1	
3.888888889	0.1666489856	0.1	
3.939393939	0.1647444537	0.1	
3.98989899	0.1629974445	0.1	
4.04040404	0.1611652668	0.1	
4.090909091	0.1594130444	0.1	
4.141414141	0.1577520095	0.1	
4.191919192	0.1560295771	0.1	
4.242424242	0.1543415041	0.1	

4.292929293	0.1527159233	0.1	
4.343434343	0.1511428333	0.1	
4.393939394	0.1495394844	0.1	
4.444444444	0.1480072883	0.1	
4.494949495	0.1464620919	0.1	
4.545454545	0.1449680189	0.1	
4.595959596	0.1434718757	0.1	
4.646464646	0.1419918242	0.1	
4.696969697	0.1405412599	0.1	
4.747474747	0.1391630974	0.1	
4.797979798	0.1377408407	0.1	
4.848484848	0.1363541293	0.1	
4.898989899	0.1350053221	0.1	
4.949494949	0.1337073546	0.1	
5	0.1323630873	0.1	

Time (t)	Max Amplitude (F	Decay Rate Approx	
0	0.9949114704	0.1	
0.05050505051	0.9042875036	0.1	
0.101010101	0.8332211542	0.1	
0.1515151515	0.7757732418	0.1	
0.202020202	0.7276959328	0.1	
0.2525252525	0.687424738	0.1	
0.303030303	0.6518910818	0.1	
0.3535353535	0.6209356974	0.1	
0.404040404	0.5935255429	0.1	
0.4545454545	0.5690564913	0.1	
0.5050505051	0.5469492958	0.1	
0.5555555556	0.5269031696	0.1	
0.6060606061	0.5085481609	0.1	
0.6565656566	0.4917233702	0.1	
0.7070707071	0.4761558308	0.1	
0.7575757576	0.461756489	0.1	
0.8080808081	0.448333777	0.1	
0.8585858586	0.4358081833	0.1	
0.9090909091	0.424076701	0.1	
0.9595959596	0.4130265111	0.1	
1.01010101	0.4026514519	0.1	
1.060606061	0.3928072033	0.1	
1.111111111	0.3835017291	0.1	
1.161616162	0.3746946002	0.1	
1.212121212	0.366324528	0.1	
1.262626263	0.3583275078	0.1	
1.313131313	0.350713922	0.1	
1.363636364	0.3434425851	0.1	
1.414141414	0.3364913193	0.1	
1.464646465	0.3298330262	0.1	
1.515151515	0.3234436615	0.1	
1.565656566	0.3173014683	0.1	
1.616161616	0.311396345	0.1	
1.666666667	0.3057148214	0.1	
1.717171717	0.300255578	0.1	
1.767676768	0.2949529444	0.1	
1.818181818	0.2898822355	0.1	
1.868686869	0.2849549034	0.1	
1.919191919	0.2801860711	0.1	
1.96969697	0.2756070304	0.1	
2.02020202	0.2711478403	0.1	
2.070707071	0.2668116165	0.1	

2.121212121	0.262645264	0.1	
2.171717172	0.2585732221	0.1	
2.222222222	0.2546283598	0.1	
2.272727273	0.2508593388	0.1	
2.323232323	0.2470716364	0.1	
2.373737374	0.2435109893	0.1	
2.424242424	0.2399236877	0.1	
2.474747475	0.236489324	0.1	
2.525252525	0.2331717885	0.1	
2.575757576	0.2299497606	0.1	
2.626262626	0.2267309561	0.1	
2.676767677	0.2236305361	0.1	
2.727272727	0.2206306501	0.1	
2.777777778	0.2177152492	0.1	
2.828282828	0.2147865121	0.1	
2.878787879	0.2120580118	0.1	
2.929292929	0.2092202619	0.1	
2.97979798	0.206550464	0.1	
3.03030303	0.2039719877	0.1	
3.080808081	0.2013504398	0.1	
3.131313131	0.1988241563	0.1	
3.181818182	0.1963758869	0.1	
3.232323232	0.1940121647	0.1	
3.282828283	0.1916076409	0.1	
3.333333333	0.1892921253	0.1	
3.383838384	0.1870494178	0.1	
3.434343434	0.1847835829	0.1	
3.484848485	0.1826814976	0.1	
3.535353535	0.1804913782	0.1	
3.585858586	0.1783794576	0.1	
3.636363636	0.1763234556	0.1	
3.686868687	0.1743668695	0.1	
3.737373737	0.1723468843	0.1	
3.787878788	0.1703831907	0.1	
3.838383838	0.1684689403	0.1	
3.888888889	0.1666489856	0.1	
3.939393939	0.1647444537	0.1	
3.98989899	0.1629974445	0.1	
4.04040404	0.1611652668	0.1	
4.090909091	0.1594130444	0.1	
4.141414141	0.1577520095	0.1	
4.191919192	0.1560295771	0.1	
4.242424242	0.1543415041	0.1	

4.292929293	0.1527159233	0.1	
4.343434343	0.1511428333	0.1	
4.393939394	0.1495394844	0.1	
4.444444444	0.1480072883	0.1	
4.494949495	0.1464620919	0.1	
4.545454545	0.1449680189	0.1	
4.595959596	0.1434718757	0.1	
4.646464646	0.1419918242	0.1	
4.696969697	0.1405412599	0.1	
4.747474747	0.1391630974	0.1	
4.797979798	0.1377408407	0.1	
4.848484848	0.1363541293	0.1	
4.898989899	0.1350053221	0.1	
4.949494949	0.1337073546	0.1	
5	0.1323630873	0.1	

Dimension	Phi_d	Pi_d	Energy_Density	
1	2.334280576	8.321203285	0.2805219986	
1.1	2.180777139	9.246502059	0.2358488783	
1.2	2.052108435	10.24824846	0.2002399184	
1.3	1.94258888	11.32714058	0.1714986113	
1.4	1.848152802	12.48391231	0.1480427574	
1.5	1.765815089	13.71933517	0.1287099606	
1.6	1.693333982	15.03422022	0.1126319794	
1.7	1.628992813	16.42942013	0.09915096213	
1.8	1.571454435	17.90583126	0.08776216041	
1.9	1.519661579	19.46439595	0.0780739142	
2	1.472767069	21.10610484	0.06977919801	
2.1	1.430083949	22.83199936	0.06263507312	
2.2	1.391049197	24.64317435	0.0564476466	
2.3	1.355196876	26.54078078	0.05106092724	
2.4	1.322137999	28.52602862	0.04634847761	
2.5	1.291545201	30.60018988	0.04220709761	
2.6	1.263140954	32.76460179	0.03855200079	
2.7	1.236688384	35.02067015	0.03531309876	
2.8	1.21198405	37.36987283	0.03243211599	
2.9	1.188852223	39.81376346	0.02986033269	
3	1.167140288	42.35397534	0.02755680615	
3.1	1.146715051	44.99222551	0.02548695999	
3.2	1.127459722	47.73031905	0.0236214579	
3.3	1.109271449	50.57015357	0.0219352992	
3.4	1.092059288	53.51372399	0.02040708825	
3.5	1.075742514	56.5631275	0.01901844119	
3.6	1.060249216	59.72056882	0.01775350164	
3.7	1.045515119	62.98836572	0.01659854335	
3.8	1.031482584	66.36895478	0.01554164273	
3.9	1.018099772	69.86489753	0.01457240772	
4	1.005319924	73.47888681	0.01368175224	
4.1	0.9931007488	77.21375356	0.01286170796	
4.2	0.981403897	81.07247381	0.01210526645	
4.3	0.970194509	85.05817624	0.01140624631	
4.4	0.959440823	89.17414988	0.01075918104	
4.5	0.9491138353	93.42385244	0.01015922391	
4.6	0.9391870043	97.81091888	0.009602067081	
4.7	0.9296359926	102.3391705	0.009083872653	
4.8	0.9204384404	107.0126247	0.008601213578	
4.9	0.9115737666	111.8355045	0.008151022972	
5	0.9030229938	116.8122499	0.007730550475	
5.1	0.8947685933	121.9475281	0.007337324564	

5.2	0.8867943481	127.2462459	0.006969119931	
5.3	0.8790852312	132.7135615	0.006623929171	
5.4	0.8716272971	138.3548977	0.006299938144	
5.5	0.8644075854	144.1759552	0.005995504481	
5.6	0.8574140339	150.1827271	0.005709138797	
5.7	0.8506354018	156.3815137	0.00543948822	
5.8	0.8440611998	162.7789384	0.005185321933	
5.9	0.8376816277	169.3819641	0.004945518444	
6	0.831487518	176.1979108	0.004719054354	
6.1	0.825470285	183.2344736	0.004504994442	
6.2	0.8196218791	190.4997423	0.004302482876	
6.3	0.8139347447	198.0022215	0.004110735418	
6.4	0.8084017826	205.7508517	0.003929032496	
6.5	0.8030163157	213.755032	0.003756713038	
6.6	0.7977720574	222.0246432	0.003593168964	
6.7	0.7926630835	230.5700728	0.003437840279	
6.8	0.7876838057	239.4022409	0.003290210663	
6.9	0.7828289482	248.5326273	0.003149803536	
7	0.7780935254	257.9733006	0.00301617851	
7.1	0.7734728225	267.7369481	0.002888928211	
7.2	0.7689623766	277.8369076	0.002767675408	
7.3	0.7645579604	288.2872007	0.00265207043	
7.4	0.7602555659	299.1025679	0.002541788829	
7.5	0.7560513911	310.2985056	0.002436529269	
7.6	0.7519418259	321.8913045	0.002336011615	
7.7	0.7479234404	333.8980906	0.002239975194	
7.8	0.7439929736	346.3368682	0.002148177228	
7.9	0.7401473228	359.2265644	0.002060391397	
8	0.7363835343	372.5870769	0.001976406537	
8.1	0.7326987942	386.4393234	0.001896025456	
8.2	0.7290904199	400.8052943	0.001819063846	
8.3	0.7255558529	415.7081072	0.001745349297	
8.4	0.7220926512	431.1720653	0.001674720394	
8.5	0.7186984828	447.2227176	0.001607025883	
8.6	0.7153711196	463.8869231	0.001542123918	
8.7	0.7121084313	481.1929179	0.001479881363	
8.8	0.7089083802	499.1703857	0.001420173152	
8.9	0.7057690161	517.8505323	0.001362881704	
9	0.7026884717	537.2661633	0.001307896383	
9.1	0.6996649579	557.4517664	0.001255112998	
9.2	0.6966967599	578.4435974	0.00120443335	
9.3	0.6937822333	600.279771	0.001155764806	
9.4	0.6909198003	623.0003561	0.001109019912	

9.5	0.6881079466	646.6474761	0.001064116032
9.6	0.685345218	671.265414	0.001020975018
9.7	0.6826302172	696.9007231	0.0009795228998
9.8	0.6799616014	723.6023438	0.0009396896061
9.9	0.6773380795	751.4217255	0.0009014086983

Phenomenon	Hypatian Predicti	Observed Value				
Neutrino θ_{23}	$49.7^\circ \pm 1.3^\circ$	$49.7^\circ \pm 1.4^\circ$	$49.1^\circ \pm 1.4^\circ$	$49.1^\circ \pm 1.4^\circ$		
Baryon asymmet	6.1×10^{-10}	6.1×10^{-10}	6.1×10^{-10}	6.1×10^{-10}		
DM soliton mass	0.8×10^{-22}	0.8×10^{-22}	$1.0 \pm 0.3 \times 10^{-22}$	$1.0 \pm 0.3 \times 10^{-22}$	$1.0 \pm 0.3 \times 10^{-22}$	$1.0 \pm 0.3 \times 10^{-22}$
	start_prime	end_prime	phi_correlation	silver_correlation	plastic_correlation	
0	2	233	0.2924529107	0.2924529107	0.2924529107	
1	3	239	0.2493424398	0.2493424398	0.2493424398	
2	5	241	0.1639611271	0.1639611271	0.1639611271	
3	7	251	0.1736762913	0.1736762913	0.1736762913	
4	11	257	0.1927412904	0.1927412904	0.1927412904	
5	13	263	0.1710382737	0.1710382737	0.1710382737	
6	17	269	0.1867535425	0.1867535425	0.1867535425	
7	19	271	0.09304133373	0.09304133373	0.09304133373	
8	23	277	0.10800096	0.10800096	0.10800096	
9	29	281	0.1236417243	0.1236417243	0.1236417243	
10	31	283	0.02992951555	0.02992951555	0.02992951555	
11	37	293	0.09928144026	0.09928144026	0.09928144026	
12	41	307	0.1567860395	0.1567860395	0.1567860395	
13	43	311	0.1052757444	0.1052757444	0.1052757444	
14	47	313	0.04998165531	0.04998165531	0.04998165531	
15	53	317	0.06143915352	0.06143915352	0.06143915352	
16	59	331	0.1401004375	0.1401004375	0.1401004375	
17	61	337	0.111336388	0.111336388	0.111336388	
18	67	347	0.1677170381	0.1677170381	0.1677170381	
19	71	349	0.1108305552	0.1108305552	0.1108305552	
20	73	353	0.05785471047	0.05785471047	0.05785471047	
21	79	359	0.08654772168	0.08654772168	0.08654772168	
22	83	367	0.1071164419	0.1071164419	0.1071164419	
23	89	373	0.1340681858	0.1340681858	0.1340681858	
24	97	379	0.1784085904	0.1784085904	0.1784085904	
25	101	383	0.1607041024	0.1607041024	0.1607041024	
26	103	389	0.1279640601	0.1279640601	0.1279640601	
27	107	397	0.1453347575	0.1453347575	0.1453347575	
28	109	401	0.08496510684	0.08496510684	0.08496510684	
29	113	409	0.09975668663	0.09975668663	0.09975668663	
30	127	419	0.2029588358	0.2029588358	0.2029588358	
31	131	421	0.135042264	0.135042264	0.135042264	
32	137	431	0.1848842591	0.1848842591	0.1848842591	
33	139	433	0.08245097903	0.08245097903	0.08245097903	
34	149	439	0.135676267	0.135676267	0.135676267	
35	151	443	0.07364808614	0.07364808614	0.07364808614	
36	157	449	0.09600209881	0.09600209881	0.09600209881	
37	163	457	0.1341479611	0.1341479611	0.1341479611	
38	167	461	0.108443389	0.108443389	0.108443389	

39	173	463	0.06582066904	0.06582066904	0.06582066904	
40	179	467	0.0667752061	0.0667752061	0.0667752061	
41	181	479	0.06617185851	0.06617185851	0.06617185851	
42	191	487	0.1334162597	0.1334162597	0.1334162597	
43	193	491	0.06879121392	0.06879121392	0.06879121392	
44	197	499	0.0806860714	0.0806860714	0.0806860714	
45	199	503	0.01031221199	0.01031221199	0.01031221199	
46	211	509	0.07127553971	0.07127553971	0.07127553971	
47	223	521	0.1753482413	0.1753482413	0.1753482413	
48	227	523	0.1005973288	0.1005973288	0.1005973288	
49	229	541	0.1160490759	0.1160490759	0.1160490759	
50	233	547	0.1067577002	0.1067577002	0.1067577002	
51	239	557	0.1484180255	0.1484180255	0.1484180255	
52	241	563	0.09857498901	0.09857498901	0.09857498901	
53	251	569	0.141493761	0.141493761	0.141493761	
54	257	571	0.08546992368	0.08546992368	0.08546992368	
55	263	577	0.09930960636	0.09930960636	0.09930960636	
56	269	587	0.1410492088	0.1410492088	0.1410492088	
57	271	593	0.09099068364	0.09099068364	0.09099068364	
58	277	599	0.1012312546	0.1012312546	0.1012312546	
59	281	601	0.02171622284	0.02171622284	0.02171622284	
60	283	607	-0.03294993412	-0.03294993412	-0.03294993412	
61	293	613	0.007697474162	0.007697474162	0.007697474162	
62	307	617	0.0478407561	0.0478407561	0.0478407561	
63	311	619	-0.02998887585	-0.02998887585	-0.02998887585	
64	313	631	-0.04180387318	-0.04180387318	-0.04180387318	
65	317	641	-0.02519110132	-0.02519110132	-0.02519110132	
66	331	643	-0.02917145958	-0.02917145958	-0.02917145958	
67	337	647	-0.03964169132	-0.03964169132	-0.03964169132	
68	347	653	0.006264263233	0.006264263233	0.006264263233	
69	349	659	-0.04771848655	-0.04771848655	-0.04771848655	
70	353	661	-0.1243391133	-0.1243391133	-0.1243391133	
71	359	673	-0.06662050645	-0.06662050645	-0.06662050645	
72	367	677	-0.06007405148	-0.06007405148	-0.06007405148	
73	373	683	-0.04546020493	-0.04546020493	-0.04546020493	
74	379	691	-0.01383816802	-0.01383816802	-0.01383816802	
75	383	701	0.005183864832	0.005183864832	0.005183864832	
76	389	709	0.03334002079	0.03334002079	0.03334002079	
77	397	719	0.09052185334	0.09052185334	0.09052185334	
78	401	727	0.09296117457	0.09296117457	0.09296117457	
79	409	733	0.1192207275	0.1192207275	0.1192207275	
80	419	739	0.1608387198	0.1608387198	0.1608387198	
81	421	743	0.08350778556	0.08350778556	0.08350778556	
82	431	751	0.142816047	0.142816047	0.142816047	

83	433	757	0.08659646904	0.08659646904	0.08659646904	
84	439	761	0.06839943666	0.06839943666	0.06839943666	
85	443	769	0.06843579706	0.06843579706	0.06843579706	
86	449	773	0.04964316721	0.04964316721	0.04964316721	
87	457	787	0.1254743333	0.1254743333	0.1254743333	
88	461	797	0.1362009037	0.1362009037	0.1362009037	
89	463	809	0.1153553405	0.1153553405	0.1153553405	
90	467	811	0.02037216738	0.02037216738	0.02037216738	
91	479	821	0.0955465701	0.0955465701	0.0955465701	
92	487	823	0.04758454054	0.04758454054	0.04758454054	
93	491	827	0.00425720644	0.00425720644	0.00425720644	
94	499	829	-0.0364006418	-0.0364006418	-0.0364006418	
95	503	839	-0.02340439658	-0.02340439658	-0.02340439658	
96	509	853	0.02930154611	0.02930154611	0.02930154611	
97	521	857	0.0509219995	0.0509219995	0.0509219995	
98	523	859	-0.0676415012	-0.0676415012	-0.0676415012	
99	541	863	-0.0210842625	-0.0210842625	-0.0210842625	
100	547	877	0.03681855375	0.03681855375	0.03681855375	
101	557	881	0.05204686499	0.05204686499	0.05204686499	
102	563	883	-0.00021378360	-0.00021378360	-0.00021378360	
103	569	887	-0.0103847244	-0.0103847244	-0.0103847244	
104	571	907	0.005893283756	0.005893283756	0.005893283756	
105	577	911	-0.00826910259	-0.00826910259	-0.00826910259	
106	587	919	0.04478482427	0.04478482427	0.04478482427	
107	593	929	0.08094565754	0.08094565754	0.08094565754	
108	599	937	0.1040512131	0.1040512131	0.1040512131	
109	601	941	0.02903078238	0.02903078238	0.02903078238	
110	607	947	0.03496147902	0.03496147902	0.03496147902	
111	613	953	0.04089217567	0.04089217567	0.04089217567	
112	617	967	0.06901235326	0.06901235326	0.06901235326	
113	619	971	-0.0118921154	-0.0118921154	-0.0118921154	
114	631	977	0.03011079132	0.03011079132	0.03011079132	
115	641	983	0.06371664543	0.06371664543	0.06371664543	
116	643	991	0.02021479128	0.02021479128	0.02021479128	
117	647	997	-0.00322735676	-0.00322735676	-0.00322735676	
118	653	1009	0.03721111845	0.03721111845	0.03721111845	
119	659	1013	0.01230069015	0.01230069015	0.01230069015	
120	661	1019	-0.05602443347	-0.05602443347	-0.05602443347	
121	673	1021	-0.07983977452	-0.07983977452	-0.07983977452	
122	677	1031	-0.07320393909	-0.07320393909	-0.07320393909	
123	683	1033	-0.1335238174	-0.1335238174	-0.1335238174	
124	691	1039	-0.1153509545	-0.1153509545	-0.1153509545	
125	701	1049	-0.05422725527	-0.05422725527	-0.05422725527	
126	709	1051	-0.09441485132	-0.09441485132	-0.09441485132	

127	719	1061	-0.0318550536	-0.0318550536	-0.0318550536	
128	727	1063	-0.06872421874	-0.06872421874	-0.06872421874	
129	733	1069	-0.06050148938	-0.06050148938	-0.06050148938	
130	739	1087	0.006381671854	0.006381671854	0.006381671854	
131	743	1091	-0.03090891081	-0.03090891081	-0.03090891081	
132	751	1093	-0.0653169875	-0.0653169875	-0.0653169875	
133	757	1097	-0.07735174734	-0.07735174734	-0.07735174734	
134	761	1103	-0.08971641924	-0.08971641924	-0.08971641924	
135	769	1109	-0.06632083124	-0.06632083124	-0.06632083124	
136	773	1117	-0.06410988479	-0.06410988479	-0.06410988479	
137	787	1123	-0.01189766504	-0.01189766504	-0.01189766504	
138	797	1129	0.0254169839	0.0254169839	0.0254169839	
139	809	1151	0.1376007628	0.1376007628	0.1376007628	
140	811	1153	0.03288204683	0.03288204683	0.03288204683	
141	821	1163	0.09491084676	0.09491084676	0.09491084676	
142	823	1171	0.06185409232	0.06185409232	0.06185409232	
143	827	1181	0.07250165854	0.07250165854	0.07250165854	
144	829	1187	0.01837784683	0.01837784683	0.01837784683	
145	839	1193	0.04906469407	0.04906469407	0.04906469407	
146	853	1201	0.1167676956	0.1167676956	0.1167676956	
147	857	1213	0.1347560894	0.1347560894	0.1347560894	
148	859	1217	0.0549831985	0.0549831985	0.0549831985	
149	863	1223	0.03242472686	0.03242472686	0.03242472686	
150	877	1229	0.08266518238	0.08266518238	0.08266518238	
151	881	1231	-0.00168708515	-0.00168708515	-0.00168708515	
152	883	1237	-0.06346524177	-0.06346524177	-0.06346524177	
153	887	1249	-0.04694278848	-0.04694278848	-0.04694278848	
154	907	1259	0.05236507702	0.05236507702	0.05236507702	
155	911	1277	0.08899709712	0.08899709712	0.08899709712	
156	919	1279	0.03877852743	0.03877852743	0.03877852743	
157	929	1283	0.04534631086	0.04534631086	0.04534631086	
158	937	1289	0.0635510797	0.0635510797	0.0635510797	
159	941	1291	-0.01764307409	-0.01764307409	-0.01764307409	
160	947	1297	-0.01395405971	-0.01395405971	-0.01395405971	
161	953	1301	-0.03195349913	-0.03195349913	-0.03195349913	
162	967	1303	-0.03876014419	-0.03876014419	-0.03876014419	
163	971	1307	-0.07405395523	-0.07405395523	-0.07405395523	
164	977	1319	-0.0279864431	-0.0279864431	-0.0279864431	
165	983	1321	-0.07662919141	-0.07662919141	-0.07662919141	
166	991	1327	-0.05216433578	-0.05216433578	-0.05216433578	
167	997	1361	0.04374251675	0.04374251675	0.04374251675	
168	1009	1367	0.08514966853	0.08514966853	0.08514966853	
169	1013	1373	0.07213853467	0.07213853467	0.07213853467	
170	1019	1381	0.09239653436	0.09239653436	0.09239653436	

171	1021	1399	0.09581701649	0.09581701649	0.09581701649	
172	1031	1409	0.1477472618	0.1477472618	0.1477472618	
173	1033	1423	0.1364013905	0.1364013905	0.1364013905	
174	1039	1427	0.1138932105	0.1138932105	0.1138932105	
175	1049	1429	0.08324769413	0.08324769413	0.08324769413	
176	1051	1433	0.01124992355	0.01124992355	0.01124992355	
177	1061	1439	0.03769889322	0.03769889322	0.03769889322	
178	1063	1447	-0.002932807745	-0.002932807745	-0.002932807745	
179	1069	1451	-0.02463062216	-0.02463062216	-0.02463062216	
180	1087	1453	-0.02303637876	-0.02303637876	-0.02303637876	
181	1091	1459	-0.04040868301	-0.04040868301	-0.04040868301	
182	1093	1471	-0.06088127427	-0.06088127427	-0.06088127427	
183	1097	1481	-0.05688969172	-0.05688969172	-0.05688969172	
184	1103	1483	-0.1122650168	-0.1122650168	-0.1122650168	
185	1109	1487	-0.1321349705	-0.1321349705	-0.1321349705	
186	1117	1489	-0.1672737725	-0.1672737725	-0.1672737725	
187	1123	1493	-0.1830606619	-0.1830606619	-0.1830606619	

Phenomenon	Hypatian Predicti	Observed Value				
Neutrino θ_{23}	$49.7^\circ \pm 1.3^\circ$	$49.7^\circ \pm 1.4^\circ$	$49.1^\circ \pm 1.4^\circ$	$49.1^\circ \pm 1.4^\circ$		
Baryon asymmet	6.1×10^{-10}	6.1×10^{-10}	6.1×10^{-10}			
DM soliton mass	0.8×10^{-22}	0.8×10^{-22}	$1.0 - 0.3 + 0.4 \times 10^{-22}$	$1.0 - 0.3 + 0.4 \times 10^{-22}$		
	start_prime	end_prime	phi_correlation	silver_correlation	plastic_correlation	
0	2	233	0.2924529107	0.2924529107	0.2924529107	
1	3	239	0.2493424398	0.2493424398	0.2493424398	
2	5	241	0.1639611271	0.1639611271	0.1639611271	
3	7	251	0.1736762913	0.1736762913	0.1736762913	
4	11	257	0.1927412904	0.1927412904	0.1927412904	
5	13	263	0.1710382737	0.1710382737	0.1710382737	
6	17	269	0.1867535425	0.1867535425	0.1867535425	
7	19	271	0.09304133373	0.09304133373	0.09304133373	
8	23	277	0.10800096	0.10800096	0.10800096	
9	29	281	0.1236417243	0.1236417243	0.1236417243	
10	31	283	0.02992951555	0.02992951555	0.02992951555	
11	37	293	0.09928144026	0.09928144026	0.09928144026	
12	41	307	0.1567860395	0.1567860395	0.1567860395	
13	43	311	0.1052757444	0.1052757444	0.1052757444	
14	47	313	0.04998165531	0.04998165531	0.04998165531	
15	53	317	0.06143915352	0.06143915352	0.06143915352	
16	59	331	0.1401004375	0.1401004375	0.1401004375	
17	61	337	0.111336388	0.111336388	0.111336388	
18	67	347	0.1677170381	0.1677170381	0.1677170381	
19	71	349	0.1108305552	0.1108305552	0.1108305552	
20	73	353	0.05785471047	0.05785471047	0.05785471047	
21	79	359	0.08654772168	0.08654772168	0.08654772168	
22	83	367	0.1071164419	0.1071164419	0.1071164419	
23	89	373	0.1340681858	0.1340681858	0.1340681858	
24	97	379	0.1784085904	0.1784085904	0.1784085904	
25	101	383	0.1607041024	0.1607041024	0.1607041024	
26	103	389	0.1279640601	0.1279640601	0.1279640601	
27	107	397	0.1453347575	0.1453347575	0.1453347575	
28	109	401	0.08496510684	0.08496510684	0.08496510684	
29	113	409	0.09975668663	0.09975668663	0.09975668663	
30	127	419	0.2029588358	0.2029588358	0.2029588358	
31	131	421	0.135042264	0.135042264	0.135042264	
32	137	431	0.1848842591	0.1848842591	0.1848842591	
33	139	433	0.08245097903	0.08245097903	0.08245097903	
34	149	439	0.135676267	0.135676267	0.135676267	
35	151	443	0.07364808614	0.07364808614	0.07364808614	
36	157	449	0.09600209881	0.09600209881	0.09600209881	
37	163	457	0.1341479611	0.1341479611	0.1341479611	
38	167	461	0.108443389	0.108443389	0.108443389	

39	173	463	0.06582066904	0.06582066904	0.06582066904	
40	179	467	0.0667752061	0.0667752061	0.0667752061	
41	181	479	0.06617185851	0.06617185851	0.06617185851	
42	191	487	0.1334162597	0.1334162597	0.1334162597	
43	193	491	0.06879121392	0.06879121392	0.06879121392	
44	197	499	0.0806860714	0.0806860714	0.0806860714	
45	199	503	0.01031221199	0.01031221199	0.01031221199	
46	211	509	0.07127553971	0.07127553971	0.07127553971	
47	223	521	0.1753482413	0.1753482413	0.1753482413	
48	227	523	0.1005973288	0.1005973288	0.1005973288	
49	229	541	0.1160490759	0.1160490759	0.1160490759	
50	233	547	0.1067577002	0.1067577002	0.1067577002	
51	239	557	0.1484180255	0.1484180255	0.1484180255	
52	241	563	0.09857498901	0.09857498901	0.09857498901	
53	251	569	0.141493761	0.141493761	0.141493761	
54	257	571	0.08546992368	0.08546992368	0.08546992368	
55	263	577	0.09930960636	0.09930960636	0.09930960636	
56	269	587	0.1410492088	0.1410492088	0.1410492088	
57	271	593	0.09099068364	0.09099068364	0.09099068364	
58	277	599	0.1012312546	0.1012312546	0.1012312546	
59	281	601	0.02171622284	0.02171622284	0.02171622284	
60	283	607	-0.03294993412	-0.03294993412	-0.03294993412	
61	293	613	0.007697474162	0.007697474162	0.007697474162	
62	307	617	0.0478407561	0.0478407561	0.0478407561	
63	311	619	-0.02998887585	-0.02998887585	-0.02998887585	
64	313	631	-0.04180387318	-0.04180387318	-0.04180387318	
65	317	641	-0.02519110132	-0.02519110132	-0.02519110132	
66	331	643	-0.02917145958	-0.02917145958	-0.02917145958	
67	337	647	-0.03964169132	-0.03964169132	-0.03964169132	
68	347	653	0.006264263233	0.006264263233	0.006264263233	
69	349	659	-0.04771848655	-0.04771848655	-0.04771848655	
70	353	661	-0.1243391133	-0.1243391133	-0.1243391133	
71	359	673	-0.06662050645	-0.06662050645	-0.06662050645	
72	367	677	-0.06007405148	-0.06007405148	-0.06007405148	
73	373	683	-0.04546020493	-0.04546020493	-0.04546020493	
74	379	691	-0.01383816802	-0.01383816802	-0.01383816802	
75	383	701	0.005183864832	0.005183864832	0.005183864832	
76	389	709	0.03334002079	0.03334002079	0.03334002079	
77	397	719	0.09052185334	0.09052185334	0.09052185334	
78	401	727	0.09296117457	0.09296117457	0.09296117457	
79	409	733	0.1192207275	0.1192207275	0.1192207275	
80	419	739	0.1608387198	0.1608387198	0.1608387198	
81	421	743	0.08350778556	0.08350778556	0.08350778556	
82	431	751	0.142816047	0.142816047	0.142816047	

83	433	757	0.08659646904	0.08659646904	0.08659646904	
84	439	761	0.06839943666	0.06839943666	0.06839943666	
85	443	769	0.06843579706	0.06843579706	0.06843579706	
86	449	773	0.04964316721	0.04964316721	0.04964316721	
87	457	787	0.1254743333	0.1254743333	0.1254743333	
88	461	797	0.1362009037	0.1362009037	0.1362009037	
89	463	809	0.1153553405	0.1153553405	0.1153553405	
90	467	811	0.02037216738	0.02037216738	0.02037216738	
91	479	821	0.0955465701	0.0955465701	0.0955465701	
92	487	823	0.04758454054	0.04758454054	0.04758454054	
93	491	827	0.00425720644	0.00425720644	0.00425720644	
94	499	829	-0.0364006418	-0.0364006418	-0.0364006418	
95	503	839	-0.02340439658	-0.02340439658	-0.02340439658	
96	509	853	0.02930154611	0.02930154611	0.02930154611	
97	521	857	0.0509219995	0.0509219995	0.0509219995	
98	523	859	-0.0676415012	-0.0676415012	-0.0676415012	
99	541	863	-0.0210842625	-0.0210842625	-0.0210842625	
100	547	877	0.03681855375	0.03681855375	0.03681855375	
101	557	881	0.05204686499	0.05204686499	0.05204686499	
102	563	883	-0.00021378360	-0.00021378360	-0.000213783607	
103	569	887	-0.0103847244	-0.0103847244	-0.0103847244	
104	571	907	0.005893283756	0.005893283756	0.005893283756	
105	577	911	-0.00826910259	-0.00826910259	-0.008269102598	
106	587	919	0.04478482427	0.04478482427	0.04478482427	
107	593	929	0.08094565754	0.08094565754	0.08094565754	
108	599	937	0.1040512131	0.1040512131	0.1040512131	
109	601	941	0.02903078238	0.02903078238	0.02903078238	
110	607	947	0.03496147902	0.03496147902	0.03496147902	
111	613	953	0.04089217567	0.04089217567	0.04089217567	
112	617	967	0.06901235326	0.06901235326	0.06901235326	
113	619	971	-0.0118921154	-0.0118921154	-0.0118921154	
114	631	977	0.03011079132	0.03011079132	0.03011079132	
115	641	983	0.06371664543	0.06371664543	0.06371664543	
116	643	991	0.02021479128	0.02021479128	0.02021479128	
117	647	997	-0.00322735676	-0.00322735676	-0.003227356761	
118	653	1009	0.03721111845	0.03721111845	0.03721111845	
119	659	1013	0.01230069015	0.01230069015	0.01230069015	
120	661	1019	-0.05602443347	-0.05602443347	-0.05602443347	
121	673	1021	-0.07983977452	-0.07983977452	-0.07983977452	
122	677	1031	-0.07320393909	-0.07320393909	-0.07320393909	
123	683	1033	-0.1335238174	-0.1335238174	-0.1335238174	
124	691	1039	-0.1153509545	-0.1153509545	-0.1153509545	
125	701	1049	-0.05422725527	-0.05422725527	-0.05422725527	
126	709	1051	-0.09441485132	-0.09441485132	-0.09441485132	

127	719	1061	-0.0318550536	-0.0318550536	-0.0318550536	
128	727	1063	-0.06872421874	-0.06872421874	-0.06872421874	
129	733	1069	-0.06050148938	-0.06050148938	-0.06050148938	
130	739	1087	0.006381671854	0.006381671854	0.006381671854	
131	743	1091	-0.03090891081	-0.03090891081	-0.03090891081	
132	751	1093	-0.0653169875	-0.0653169875	-0.0653169875	
133	757	1097	-0.07735174734	-0.07735174734	-0.07735174734	
134	761	1103	-0.08971641924	-0.08971641924	-0.08971641924	
135	769	1109	-0.06632083124	-0.06632083124	-0.06632083124	
136	773	1117	-0.06410988479	-0.06410988479	-0.06410988479	
137	787	1123	-0.01189766504	-0.01189766504	-0.01189766504	
138	797	1129	0.0254169839	0.0254169839	0.0254169839	
139	809	1151	0.1376007628	0.1376007628	0.1376007628	
140	811	1153	0.03288204683	0.03288204683	0.03288204683	
141	821	1163	0.09491084676	0.09491084676	0.09491084676	
142	823	1171	0.06185409232	0.06185409232	0.06185409232	
143	827	1181	0.07250165854	0.07250165854	0.07250165854	
144	829	1187	0.01837784683	0.01837784683	0.01837784683	
145	839	1193	0.04906469407	0.04906469407	0.04906469407	
146	853	1201	0.1167676956	0.1167676956	0.1167676956	
147	857	1213	0.1347560894	0.1347560894	0.1347560894	
148	859	1217	0.0549831985	0.0549831985	0.0549831985	
149	863	1223	0.03242472686	0.03242472686	0.03242472686	
150	877	1229	0.08266518238	0.08266518238	0.08266518238	
151	881	1231	-0.00168708515	-0.00168708515	-0.00168708515	
152	883	1237	-0.06346524177	-0.06346524177	-0.06346524177	
153	887	1249	-0.04694278848	-0.04694278848	-0.04694278848	
154	907	1259	0.05236507702	0.05236507702	0.05236507702	
155	911	1277	0.08899709712	0.08899709712	0.08899709712	
156	919	1279	0.03877852743	0.03877852743	0.03877852743	
157	929	1283	0.04534631086	0.04534631086	0.04534631086	
158	937	1289	0.0635510797	0.0635510797	0.0635510797	
159	941	1291	-0.01764307409	-0.01764307409	-0.01764307409	
160	947	1297	-0.01395405971	-0.01395405971	-0.01395405971	
161	953	1301	-0.03195349913	-0.03195349913	-0.03195349913	
162	967	1303	-0.03876014419	-0.03876014419	-0.03876014419	
163	971	1307	-0.07405395523	-0.07405395523	-0.07405395523	
164	977	1319	-0.0279864431	-0.0279864431	-0.0279864431	
165	983	1321	-0.07662919141	-0.07662919141	-0.07662919141	
166	991	1327	-0.05216433578	-0.05216433578	-0.05216433578	
167	997	1361	0.04374251675	0.04374251675	0.04374251675	
168	1009	1367	0.08514966853	0.08514966853	0.08514966853	
169	1013	1373	0.07213853467	0.07213853467	0.07213853467	
170	1019	1381	0.09239653436	0.09239653436	0.09239653436	

171	1021	1399	0.09581701649	0.09581701649	0.09581701649	
172	1031	1409	0.1477472618	0.1477472618	0.1477472618	
173	1033	1423	0.1364013905	0.1364013905	0.1364013905	
174	1039	1427	0.1138932105	0.1138932105	0.1138932105	
175	1049	1429	0.08324769413	0.08324769413	0.08324769413	
176	1051	1433	0.01124992355	0.01124992355	0.01124992355	
177	1061	1439	0.03769889322	0.03769889322	0.03769889322	
178	1063	1447	-0.002932807749	-0.002932807749	-0.002932807749	
179	1069	1451	-0.02463062216	-0.02463062216	-0.02463062216	
180	1087	1453	-0.02303637876	-0.02303637876	-0.02303637876	
181	1091	1459	-0.04040868301	-0.04040868301	-0.04040868301	
182	1093	1471	-0.06088127427	-0.06088127427	-0.06088127427	
183	1097	1481	-0.05688969172	-0.05688969172	-0.05688969172	
184	1103	1483	-0.1122650168	-0.1122650168	-0.1122650168	
185	1109	1487	-0.1321349705	-0.1321349705	-0.1321349705	
186	1117	1489	-0.1672737725	-0.1672737725	-0.1672737725	
187	1123	1493	-0.1830606619	-0.1830606619	-0.1830606619	

	start_prime	end_prime	phi_correlation	silver_correlation	plastic_correlation	
0	2	233	0.2924529107	0.2924529107	0.2924529107	
1	3	239	0.2493424398	0.2493424398	0.2493424398	
2	5	241	0.1639611271	0.1639611271	0.1639611271	
3	7	251	0.1736762913	0.1736762913	0.1736762913	
4	11	257	0.1927412904	0.1927412904	0.1927412904	
5	13	263	0.1710382737	0.1710382737	0.1710382737	
6	17	269	0.1867535425	0.1867535425	0.1867535425	
7	19	271	0.09304133373	0.09304133373	0.09304133373	
8	23	277	0.10800096	0.10800096	0.10800096	
9	29	281	0.1236417243	0.1236417243	0.1236417243	
10	31	283	0.02992951555	0.02992951555	0.02992951555	
11	37	293	0.09928144026	0.09928144026	0.09928144026	
12	41	307	0.1567860395	0.1567860395	0.1567860395	
13	43	311	0.1052757444	0.1052757444	0.1052757444	
14	47	313	0.04998165531	0.04998165531	0.04998165531	
15	53	317	0.06143915352	0.06143915352	0.06143915352	
16	59	331	0.1401004375	0.1401004375	0.1401004375	
17	61	337	0.111336388	0.111336388	0.111336388	
18	67	347	0.1677170381	0.1677170381	0.1677170381	
19	71	349	0.1108305552	0.1108305552	0.1108305552	
20	73	353	0.05785471047	0.05785471047	0.05785471047	
21	79	359	0.08654772168	0.08654772168	0.08654772168	
22	83	367	0.1071164419	0.1071164419	0.1071164419	
23	89	373	0.1340681858	0.1340681858	0.1340681858	
24	97	379	0.1784085904	0.1784085904	0.1784085904	
25	101	383	0.1607041024	0.1607041024	0.1607041024	
26	103	389	0.1279640601	0.1279640601	0.1279640601	
27	107	397	0.1453347575	0.1453347575	0.1453347575	
28	109	401	0.08496510684	0.08496510684	0.08496510684	
29	113	409	0.09975668663	0.09975668663	0.09975668663	
30	127	419	0.2029588358	0.2029588358	0.2029588358	
31	131	421	0.135042264	0.135042264	0.135042264	
32	137	431	0.1848842591	0.1848842591	0.1848842591	
33	139	433	0.08245097903	0.08245097903	0.08245097903	
34	149	439	0.135676267	0.135676267	0.135676267	
35	151	443	0.07364808614	0.07364808614	0.07364808614	
36	157	449	0.09600209881	0.09600209881	0.09600209881	
37	163	457	0.1341479611	0.1341479611	0.1341479611	
38	167	461	0.108443389	0.108443389	0.108443389	
39	173	463	0.06582066904	0.06582066904	0.06582066904	
40	179	467	0.0667752061	0.0667752061	0.0667752061	
41	181	479	0.06617185851	0.06617185851	0.06617185851	
42	191	487	0.1334162597	0.1334162597	0.1334162597	

43	193	491	0.06879121392	0.06879121392	0.06879121392	
44	197	499	0.0806860714	0.0806860714	0.0806860714	
45	199	503	0.01031221199	0.01031221199	0.01031221199	
46	211	509	0.07127553971	0.07127553971	0.07127553971	
47	223	521	0.1753482413	0.1753482413	0.1753482413	
48	227	523	0.1005973288	0.1005973288	0.1005973288	
49	229	541	0.1160490759	0.1160490759	0.1160490759	
50	233	547	0.1067577002	0.1067577002	0.1067577002	
51	239	557	0.1484180255	0.1484180255	0.1484180255	
52	241	563	0.09857498901	0.09857498901	0.09857498901	
53	251	569	0.141493761	0.141493761	0.141493761	
54	257	571	0.08546992368	0.08546992368	0.08546992368	
55	263	577	0.09930960636	0.09930960636	0.09930960636	
56	269	587	0.1410492088	0.1410492088	0.1410492088	
57	271	593	0.09099068364	0.09099068364	0.09099068364	
58	277	599	0.1012312546	0.1012312546	0.1012312546	
59	281	601	0.02171622284	0.02171622284	0.02171622284	
60	283	607	-0.03294993412	-0.03294993412	-0.03294993412	
61	293	613	0.007697474162	0.007697474162	0.007697474162	
62	307	617	0.0478407561	0.0478407561	0.0478407561	
63	311	619	-0.02998887585	-0.02998887585	-0.02998887585	
64	313	631	-0.04180387318	-0.04180387318	-0.04180387318	
65	317	641	-0.02519110132	-0.02519110132	-0.02519110132	
66	331	643	-0.02917145958	-0.02917145958	-0.02917145958	
67	337	647	-0.03964169132	-0.03964169132	-0.03964169132	
68	347	653	0.006264263233	0.006264263233	0.006264263233	
69	349	659	-0.04771848655	-0.04771848655	-0.04771848655	
70	353	661	-0.1243391133	-0.1243391133	-0.1243391133	
71	359	673	-0.06662050645	-0.06662050645	-0.06662050645	
72	367	677	-0.06007405148	-0.06007405148	-0.06007405148	
73	373	683	-0.04546020493	-0.04546020493	-0.04546020493	
74	379	691	-0.01383816802	-0.01383816802	-0.01383816802	
75	383	701	0.005183864832	0.005183864832	0.005183864832	
76	389	709	0.03334002079	0.03334002079	0.03334002079	
77	397	719	0.09052185334	0.09052185334	0.09052185334	
78	401	727	0.09296117457	0.09296117457	0.09296117457	
79	409	733	0.1192207275	0.1192207275	0.1192207275	
80	419	739	0.1608387198	0.1608387198	0.1608387198	
81	421	743	0.08350778556	0.08350778556	0.08350778556	
82	431	751	0.142816047	0.142816047	0.142816047	
83	433	757	0.08659646904	0.08659646904	0.08659646904	
84	439	761	0.06839943666	0.06839943666	0.06839943666	
85	443	769	0.06843579706	0.06843579706	0.06843579706	
86	449	773	0.04964316721	0.04964316721	0.04964316721	

87	457	787	0.1254743333	0.1254743333	0.1254743333	
88	461	797	0.1362009037	0.1362009037	0.1362009037	
89	463	809	0.1153553405	0.1153553405	0.1153553405	
90	467	811	0.02037216738	0.02037216738	0.02037216738	
91	479	821	0.0955465701	0.0955465701	0.0955465701	
92	487	823	0.04758454054	0.04758454054	0.04758454054	
93	491	827	0.00425720644	0.00425720644	0.00425720644	
94	499	829	-0.0364006418	-0.0364006418	-0.0364006418	
95	503	839	-0.02340439658	-0.02340439658	-0.02340439658	
96	509	853	0.02930154611	0.02930154611	0.02930154611	
97	521	857	0.0509219995	0.0509219995	0.0509219995	
98	523	859	-0.0676415012	-0.0676415012	-0.0676415012	
99	541	863	-0.0210842625	-0.0210842625	-0.0210842625	
100	547	877	0.03681855375	0.03681855375	0.03681855375	
101	557	881	0.05204686499	0.05204686499	0.05204686499	
102	563	883	-0.00021378360	-0.00021378360	-0.00021378360	
103	569	887	-0.0103847244	-0.0103847244	-0.0103847244	
104	571	907	0.005893283756	0.005893283756	0.005893283756	
105	577	911	-0.00826910259	-0.00826910259	-0.00826910259	
106	587	919	0.04478482427	0.04478482427	0.04478482427	
107	593	929	0.08094565754	0.08094565754	0.08094565754	
108	599	937	0.1040512131	0.1040512131	0.1040512131	
109	601	941	0.02903078238	0.02903078238	0.02903078238	
110	607	947	0.03496147902	0.03496147902	0.03496147902	
111	613	953	0.04089217567	0.04089217567	0.04089217567	
112	617	967	0.06901235326	0.06901235326	0.06901235326	
113	619	971	-0.0118921154	-0.0118921154	-0.0118921154	
114	631	977	0.03011079132	0.03011079132	0.03011079132	
115	641	983	0.06371664543	0.06371664543	0.06371664543	
116	643	991	0.02021479128	0.02021479128	0.02021479128	
117	647	997	-0.00322735676	-0.00322735676	-0.00322735676	
118	653	1009	0.03721111845	0.03721111845	0.03721111845	
119	659	1013	0.01230069015	0.01230069015	0.01230069015	
120	661	1019	-0.05602443347	-0.05602443347	-0.05602443347	
121	673	1021	-0.07983977452	-0.07983977452	-0.07983977452	
122	677	1031	-0.07320393909	-0.07320393909	-0.07320393909	
123	683	1033	-0.1335238174	-0.1335238174	-0.1335238174	
124	691	1039	-0.1153509545	-0.1153509545	-0.1153509545	
125	701	1049	-0.05422725527	-0.05422725527	-0.05422725527	
126	709	1051	-0.09441485132	-0.09441485132	-0.09441485132	
127	719	1061	-0.0318550536	-0.0318550536	-0.0318550536	
128	727	1063	-0.06872421874	-0.06872421874	-0.06872421874	
129	733	1069	-0.06050148938	-0.06050148938	-0.06050148938	
130	739	1087	0.006381671854	0.006381671854	0.006381671854	

131	743	1091	-0.03090891081	-0.03090891081	-0.03090891081	
132	751	1093	-0.0653169875	-0.0653169875	-0.0653169875	
133	757	1097	-0.07735174734	-0.07735174734	-0.07735174734	
134	761	1103	-0.08971641924	-0.08971641924	-0.08971641924	
135	769	1109	-0.06632083124	-0.06632083124	-0.06632083124	
136	773	1117	-0.06410988479	-0.06410988479	-0.06410988479	
137	787	1123	-0.01189766504	-0.01189766504	-0.01189766504	
138	797	1129	0.0254169839	0.0254169839	0.0254169839	
139	809	1151	0.1376007628	0.1376007628	0.1376007628	
140	811	1153	0.03288204683	0.03288204683	0.03288204683	
141	821	1163	0.09491084676	0.09491084676	0.09491084676	
142	823	1171	0.06185409232	0.06185409232	0.06185409232	
143	827	1181	0.07250165854	0.07250165854	0.07250165854	
144	829	1187	0.01837784683	0.01837784683	0.01837784683	
145	839	1193	0.04906469407	0.04906469407	0.04906469407	
146	853	1201	0.1167676956	0.1167676956	0.1167676956	
147	857	1213	0.1347560894	0.1347560894	0.1347560894	
148	859	1217	0.0549831985	0.0549831985	0.0549831985	
149	863	1223	0.03242472686	0.03242472686	0.03242472686	
150	877	1229	0.08266518238	0.08266518238	0.08266518238	
151	881	1231	-0.00168708515	-0.00168708515	-0.00168708515	
152	883	1237	-0.06346524177	-0.06346524177	-0.06346524177	
153	887	1249	-0.04694278848	-0.04694278848	-0.04694278848	
154	907	1259	0.05236507702	0.05236507702	0.05236507702	
155	911	1277	0.08899709712	0.08899709712	0.08899709712	
156	919	1279	0.03877852743	0.03877852743	0.03877852743	
157	929	1283	0.04534631086	0.04534631086	0.04534631086	
158	937	1289	0.0635510797	0.0635510797	0.0635510797	
159	941	1291	-0.01764307409	-0.01764307409	-0.01764307409	
160	947	1297	-0.01395405971	-0.01395405971	-0.01395405971	
161	953	1301	-0.03195349913	-0.03195349913	-0.03195349913	
162	967	1303	-0.03876014419	-0.03876014419	-0.03876014419	
163	971	1307	-0.07405395523	-0.07405395523	-0.07405395523	
164	977	1319	-0.0279864431	-0.0279864431	-0.0279864431	
165	983	1321	-0.07662919141	-0.07662919141	-0.07662919141	
166	991	1327	-0.05216433578	-0.05216433578	-0.05216433578	
167	997	1361	0.04374251675	0.04374251675	0.04374251675	
168	1009	1367	0.08514966853	0.08514966853	0.08514966853	
169	1013	1373	0.07213853467	0.07213853467	0.07213853467	
170	1019	1381	0.09239653436	0.09239653436	0.09239653436	
171	1021	1399	0.09581701649	0.09581701649	0.09581701649	
172	1031	1409	0.1477472618	0.1477472618	0.1477472618	
173	1033	1423	0.1364013905	0.1364013905	0.1364013905	
174	1039	1427	0.1138932105	0.1138932105	0.1138932105	

175	1049	1429	0.08324769413	0.08324769413	0.08324769413	
176	1051	1433	0.01124992355	0.01124992355	0.01124992355	
177	1061	1439	0.03769889322	0.03769889322	0.03769889322	
178	1063	1447	-0.002932807745	-0.002932807745	-0.002932807745	
179	1069	1451	-0.02463062216	-0.02463062216	-0.02463062216	
180	1087	1453	-0.02303637876	-0.02303637876	-0.02303637876	
181	1091	1459	-0.04040868301	-0.04040868301	-0.04040868301	
182	1093	1471	-0.06088127427	-0.06088127427	-0.06088127427	
183	1097	1481	-0.05688969172	-0.05688969172	-0.05688969172	
184	1103	1483	-0.1122650168	-0.1122650168	-0.1122650168	
185	1109	1487	-0.1321349705	-0.1321349705	-0.1321349705	
186	1117	1489	-0.1672737725	-0.1672737725	-0.1672737725	
187	1123	1493	-0.1830606619	-0.1830606619	-0.1830606619	

Dimensional Mod	Energy Decay Mod	Feedback Modul	Detectability
0.5	0.5	0.8	18.18207277
0.5	0.5	0.975	17.79415972
0.5	0.5	1.15	19.02074359
0.5	0.5	1.325	18.38837647
0.5	0.5	1.5	19.40618167
0.5	0.75	0.8	18.67284588
0.5	0.75	0.975	18.04852272
0.5	0.75	1.15	19.09764031
0.5	0.75	1.325	18.2927528
0.5	0.75	1.5	19.34200388
0.5	1	0.8	19.16617897
0.5	1	0.975	18.4172351
0.5	1	1.15	19.3610789
0.5	1	1.325	18.45548291
0.5	1	1.5	19.44105171
0.5	1.25	0.8	19.52225755
0.5	1.25	0.975	18.73870917
0.5	1.25	1.15	19.60180434
0.5	1.25	1.325	18.63771239
0.5	1.25	1.5	19.55758987
0.5	1.5	0.8	19.78338551
0.5	1.5	0.975	18.9659303
0.5	1.5	1.15	19.78843909
0.5	1.5	1.325	18.8047712
0.5	1.5	1.5	19.67862828
0.75	0.5	0.8	27.27310915
0.75	0.5	0.975	26.69123959
0.75	0.5	1.15	28.53111538
0.75	0.5	1.325	27.58256471
0.75	0.5	1.5	29.1092725
0.75	0.75	0.8	28.00926883
0.75	0.75	0.975	27.07278408
0.75	0.75	1.15	28.64646047
0.75	0.75	1.325	27.43912919
0.75	0.75	1.5	29.01300582
0.75	1	0.8	28.74926845
0.75	1	0.975	27.62585265
0.75	1	1.15	29.04161834
0.75	1	1.325	27.68322437
0.75	1	1.5	29.16157757
0.75	1.25	0.8	29.28338632
0.75	1.25	0.975	28.10806375

0.75	1.25	1.15	29.40270652
0.75	1.25	1.325	27.95656859
0.75	1.25	1.5	29.33638481
0.75	1.5	0.8	29.67507826
0.75	1.5	0.975	28.44889545
0.75	1.5	1.15	29.68265864
0.75	1.5	1.325	28.2071568
0.75	1.5	1.5	29.51794242
1	0.5	0.8	36.36414554
1	0.5	0.975	35.58831945
1	0.5	1.15	38.04148718
1	0.5	1.325	36.77675294
1	0.5	1.5	38.81236334
1	0.75	0.8	37.34569177
1	0.75	0.975	36.09704544
1	0.75	1.15	38.19528062
1	0.75	1.325	36.58550559
1	0.75	1.5	38.68400776
1	1	0.8	38.33235794
1	1	0.975	36.83447021
1	1	1.15	38.72215779
1	1	1.325	36.91096583
1	1	1.5	38.88210343
1	1.25	0.8	39.04451509
1	1.25	0.975	37.47741833
1	1.25	1.15	39.20360869
1	1.25	1.325	37.27542479
1	1.25	1.5	39.11517974
1	1.5	0.8	39.56677101
1	1.5	0.975	37.9318606
1	1.5	1.15	39.57687819
1	1.5	1.325	37.6095424
1	1.5	1.5	39.35725656
1.25	0.5	0.8	45.45518192
1.25	0.5	0.975	44.48539931
1.25	0.5	1.15	47.55185897
1.25	0.5	1.325	45.97094118
1.25	0.5	1.5	48.51545417
1.25	0.75	0.8	46.68211471
1.25	0.75	0.975	45.1213068
1.25	0.75	1.15	47.74410078
1.25	0.75	1.325	45.73188199
1.25	0.75	1.5	48.3550097

1.25	1	0.8	47.91544742
1.25	1	0.975	46.04308776
1.25	1	1.15	48.40269724
1.25	1	1.325	46.13870729
1.25	1	1.5	48.60262928
1.25	1.25	0.8	48.80564387
1.25	1.25	0.975	46.84677292
1.25	1.25	1.15	49.00451086
1.25	1.25	1.325	46.59428098
1.25	1.25	1.5	48.89397468
1.25	1.5	0.8	49.45846377
1.25	1.5	0.975	47.41482574
1.25	1.5	1.15	49.47109774
1.25	1.5	1.325	47.01192801
1.25	1.5	1.5	49.19657071
1.5	0.5	0.8	54.54621831
1.5	0.5	0.975	53.38247917
1.5	0.5	1.15	57.06223077
1.5	0.5	1.325	55.16512941
1.5	0.5	1.5	58.21854501
1.5	0.75	0.8	56.01853765
1.5	0.75	0.975	54.14556816
1.5	0.75	1.15	57.29292094
1.5	0.75	1.325	54.87825839
1.5	0.75	1.5	58.02601164
1.5	1	0.8	57.49853691
1.5	1	0.975	55.25170531
1.5	1	1.15	58.08323669
1.5	1	1.325	55.36644874
1.5	1	1.5	58.32315514
1.5	1.25	0.8	58.56677264
1.5	1.25	0.975	56.2161275
1.5	1.25	1.15	58.80541303
1.5	1.25	1.325	55.91313718
1.5	1.25	1.5	58.67276961
1.5	1.5	0.8	59.35015652
1.5	1.5	0.975	56.89779089
1.5	1.5	1.15	59.36531728
1.5	1.5	1.325	56.41431361
1.5	1.5	1.5	59.03588485

Dimension	Phi_d	PI_d	Energy_Density							
	1	2.334280576	8.321203285	0.2805219986						
	1.1	2.180777139	9.246502059	0.2358488783						
	1.2	2.052108435	10.24824846	0.2002399184						
	1.3	1.94258888	11.32714058	0.1714986113						
	1.4	1.848152802	12.48391231	0.1480427574						
	1.5	1.765815089	13.71933517	0.1287099606						
	1.6	1.693333982	15.03422022	0.1126319794						
	1.7	1.628992813	16.42942013	0.09915096213				Column 1	Column 2	Column 3
	1.8	1.571454435	17.90583126	0.08776216041				Peak_Frequency_and_Amplitude_Analysis		
	1.9	1.519661579	19.46439595	0.0780739142						
	2	1.472767069	21.10610484	0.06977919801					Frequency	Amplitude
	2.1	1.430083949	22.83199936	0.06263507312				1	604.48	3920.43
	2.2	1.391049197	24.64317435	0.0564476466						
	2.3	1.355196876	26.54078078	0.05106092724						
	2.4	1.322137999	28.52602862	0.04634847761						
	2.5	1.291545201	30.60018988	0.04220709761						
	2.6	1.263140954	32.76460179	0.03855200079						
	2.7	1.236688384	35.02067015	0.03531309876						
	2.8	1.21198405	37.36987283	0.03243211599						
	2.9	1.188852223	39.81376346	0.02986033269						
	3	1.167140288	42.35397534	0.02755680615						
	3.1	1.146715051	44.99222551	0.02548695999						
	3.2	1.127459722	47.73031905	0.0236214579						
	3.3	1.109271449	50.57015357	0.0219352992						
	3.4	1.092059288	53.51372399	0.02040708825						
	3.5	1.075742514	56.5631275	0.01901844119						
	3.6	1.060249216	59.72056882	0.01775350164						
	3.7	1.045515119	62.98836572	0.01659854335						
	3.8	1.031482584	66.36895478	0.01554164273						
	3.9	1.018099772	69.86489753	0.01457240772						
	4	1.005319924	73.47888681	0.01368175224						
	4.1	0.9931007488	77.21375356	0.01286170796						
	4.2	0.981403897	81.07247381	0.01210526645						
	4.3	0.970194509	85.05817624	0.01140624631						
	4.4	0.959440823	89.17414988	0.01075918104						
	4.5	0.9491138353	93.42385244	0.01015922391						
	4.6	0.9391870043	97.81091888	0.009602067081						
	4.7	0.9296359926	102.3391705	0.009083872653						
	4.8	0.9204384404	107.0126247	0.008601213578						
	4.9	0.9115737666	111.8355045	0.008151022972						
	5	0.9030229938	116.8122499	0.007730550475						
	5.1	0.8947685933	121.9475281	0.007337324564						
	5.2	0.8867943481	127.2462459	0.006969119931						
	5.3	0.8790852312	132.7135615	0.006623929171						
	5.4	0.8716272971	138.3548977	0.006299938144						
	5.5	0.8644075854	144.1759552	0.005995504481						
	5.6	0.8574140339	150.1827271	0.005709138797						
	5.7	0.8506354018	156.3815137	0.00543948822						
	5.8	0.8440611998	162.7789384	0.005185321933						
	5.9	0.8376816277	169.3819641	0.004945518444						
	6	0.831487518	176.1979108	0.004719054354						
	6.1	0.825470285	183.2344736	0.004504994442						
	6.2	0.8196218791	190.4997423	0.004302482876						
	6.3	0.8139347447	198.0022215	0.004110735418						
	6.4	0.8084017826	205.7508517	0.003929032496						
	6.5	0.8030163157	213.755032	0.003756713038						
	6.6	0.7977720574	222.0246432	0.003593168964						
	6.7	0.7926630835	230.5700728	0.003437840279						
	6.8	0.7876838057	239.4022409	0.003290210663						
	6.9	0.7828289482	248.5326273	0.003149803536						
	7	0.7780935254	257.9733006	0.00301617851						
	7.1	0.7734728225	267.7369481	0.002888928211						
	7.2	0.7689623766	277.8369076	0.002767675408						
	7.3	0.7645579604	288.2872007	0.00265207043						
	7.4	0.7602555659	299.1025679	0.002541788829						
	7.5	0.7560513911	310.2985056	0.002436529269						
	7.6	0.7519418259	321.8913045	0.002336011615						
	7.7	0.7479234404	333.8980906	0.002239975194						
	7.8	0.7439929736	346.3368682	0.002148177228						

7.9	0.7401473228	359.2265644	0.002060391397						
8	0.7363835343	372.5870769	0.001976406537						
8.1	0.7326987942	386.4393234	0.001896025456						
8.2	0.7290904199	400.8052943	0.001819063846						
8.3	0.7255558529	415.7081072	0.001745349297						
8.4	0.7220926512	431.1720653	0.001674720394						
8.5	0.7186984828	447.2227176	0.001607025883						
8.6	0.7153711196	463.8869231	0.001542123918						
8.7	0.7121084313	481.1929179	0.001479881363						
8.8	0.7089083802	499.1703857	0.001420173152						
8.9	0.7057690161	517.8505323	0.001362881704						
9	0.7026884717	537.2661633	0.001307896383						
9.1	0.6996649579	557.4517664	0.001255112998						
9.2	0.6966967599	578.4435974	0.001204433335						
9.3	0.6937822333	600.279771	0.001155764806						
9.4	0.6909198003	623.0003561	0.001109019912						
9.5	0.6881079466	646.6474761	0.001064116032						
9.6	0.685345218	671.265414	0.001020975018						
9.7	0.6826302172	696.9007231	0.000979522899						
9.8	0.6799616014	723.6023438	0.000939689606						
9.9	0.6773380795	751.4217255	0.000901408698						

Recursion Level	Time Interval (s)
-10	0.008132326887
-9	0.0131581049
-8	0.02128981373
-7	0.03444691862
-6	0.05573511433
-5	0.09017941499
-4	0.1459102934
-3	0.2360828548
-2	0.3819820591
-1	0.6180469716
0	1
1	1.618
2	2.617924
3	4.235801032
4	6.85352607
5	11.08900518
6	17.94201038
7	29.0301728
8	46.97081959
9	75.9987861
10	122.9660359

[illegible]

α (alpha)	β (beta)	F_crit	Mean Modulation	Std Dev Modulat	Max Modulation	Min Modulation
0.5	1	0.3	0.2138640643	0.04226198386	0.300140282	0.1338195238
0.5	1	0.5	0.1904909724	0.04075768523	0.2757377691	0.1151485607
0.5	1	0.7	0.1681435317	0.03862678064	0.2508292797	0.09838273224
0.5	2	0.3	0.1843087167	0.07595861574	0.3464027845	0.05890841795
0.5	2	0.5	0.1444943213	0.06778604143	0.3009356749	0.04108324254
0.5	2	0.7	0.109885357	0.05732956403	0.2516585411	0.02830568359
0.5	3	0.3	0.1629907852	0.1001145861	0.3860232204	0.02326739385
0.5	3	0.5	0.1135887666	0.08275275068	0.3250982191	0.01304327245
0.5	3	0.7	0.07460301726	0.06207943447	0.252487766	0.007243555949
1	1	0.3	0.4277281285	0.08452396772	0.600280564	0.2676390476
1	1	0.5	0.3809819448	0.08151537046	0.5514755383	0.2302971213
1	1	0.7	0.3362870635	0.07725356129	0.5016585593	0.1967654645
1	2	0.3	0.3686174334	0.1519172315	0.6928055691	0.1178168359
1	2	0.5	0.2889886427	0.1355720829	0.6018713498	0.08216648508
1	2	0.7	0.2197707139	0.1146591281	0.5033170821	0.05661136718
1	3	0.3	0.3259815703	0.2002291723	0.7720464409	0.0465347877
1	3	0.5	0.2271775332	0.1655055014	0.6501964381	0.02608654489
1	3	0.7	0.1492060345	0.1241588689	0.5049755319	0.0144871119
2	1	0.3	0.855456257	0.1690479354	1.200561128	0.5352780951
2	1	0.5	0.7619638895	0.1630307409	1.102951077	0.4605942426
2	1	0.7	0.672574127	0.1545071226	1.003317119	0.393530929
2	2	0.3	0.7372348667	0.3038344629	1.385611138	0.2356336718
2	2	0.5	0.5779772853	0.2711441657	1.2037427	0.1643329702
2	2	0.7	0.4395414278	0.2293182561	1.006634164	0.1132227344
2	3	0.3	0.6519631406	0.4004583446	1.544092882	0.09306957541
2	3	0.5	0.4543550664	0.3310110027	1.300392876	0.05217308978
2	3	0.7	0.2984120691	0.2483177379	1.009951064	0.0289742238

	prime1	prime2	gap		phi_ratio	silver_ratio	plastic_ratio	phi_residual	silver_residual	plastic_residual
0	2	3		1	1.584962501	0.6977439176	0.8488236974	0.03307148803	1.716469645	0.9753534273
1	3	5		2	1.464973521	0.812853229	0.9468722847	0.153060468	1.601360333	0.87730484
2	5	7		2	1.209061955	0.7812354124	0.8802765221	0.4089720336	1.63297815	0.9439006026
3	7	11		4	1.232274406	0.8481268584	0.9414442171	0.3857595829	1.566086704	0.8827329076
4	11	13		2	1.069666964	0.7821711108	0.8552612879	0.5483670243	1.632042454	0.9689158368
5	13	17		4	1.104588415	0.8220974615	0.8948652019	0.5134455742	1.592116101	0.9293119228
6	17	19		2	1.039257769	0.7926692883	0.8573516233	0.5787762197	1.621544274	0.9668255014
7	19	23		4	1.064886805	0.8195629456	0.884341871	0.5531471841	1.594650617	0.9398352537
8	23	29		6	1.073928254	0.8382889344	0.9011601224	0.5441057344	1.575924628	0.9230170023
9	29	31		2	1.019805618	0.8082500349	0.8653275181	0.5982283709	1.605963527	0.9588496066
10	31	37		6	1.051523403	0.836759216	0.8948733405	0.5665105853	1.577454346	0.9293037842
11	37	41		4	1.028428825	0.8266542959	0.8816549645	0.5896051636	1.587559266	0.9425221602
12	41	43		2	1.0128254	0.8185515998	0.8717174289	0.6052085883	1.595661963	0.9524596958
13	43	47		4	1.023648698	0.8293131888	0.8825898973	0.5943852907	1.584900374	0.9415872274
14	47	53		6	1.031205118	0.8391153194	0.8919445529	0.5868288703	1.575098243	0.9322325718
15	53	59		6	1.027012001	0.8404407607	0.8919628111	0.5910219874	1.573772802	0.9322143136
16	59	61		2	1.008175626	0.8289872189	0.8786422195	0.609858363	1.585226343	0.9455349052
17	61	67		6	1.022822095	0.8422444321	0.8923366019	0.5952118934	1.57196913	0.9318405228
18	67	71		4	1.013791081	0.8381093962	0.8869825431	0.6042429075	1.576104166	0.9371945816
19	71	73		2	1.006516925	0.8340619846	0.8821192514	0.611517064	1.580151578	0.9420578733
20	73	79		6	1.018410245	0.8448547795	0.8932574581	0.5996237433	1.569358783	0.9309196666
21	79	83		4	1.011304118	0.8415522521	0.8889955555	0.6067298705	1.57266131	0.9351775692
22	83	89		6	1.015795039	0.8468782968	0.8941560856	0.6022389493	1.567335266	0.9300210391
23	89	97		8	1.019176115	0.8518999062	0.8988058684	0.5988578734	1.562313656	0.9253712563
24	97	101		4	1.008833244	0.8458667496	0.8916659983	0.6092007447	1.568346813	0.9325111264
25	101	103		2	1.004248745	0.8432154935	0.8885175025	0.6137852435	1.570998069	0.9356596222
26	103	107		4	1.008220512	0.8471250798	0.8924666883	0.6098134765	1.567088483	0.9317104364
27	107	109		2	1.003963134	0.8446483448	0.8895307915	0.6140708545	1.569565218	0.9346463332
28	109	113		4	1.007682214	0.8483086486	0.8932278645	0.6103517752	1.565904914	0.9309492602
29	113	127		14	1.024706936	0.8636821458	0.9091060901	0.5933270529	1.550531417	0.9150710346
30	127	131		4	1.006401536	0.8514794622	0.8953010717	0.611632453	1.5627341	0.928876053
31	131	137		6	1.009186008	0.8546721655	0.8984090137	0.6088479805	1.559541397	0.925768111
32	137	139		2	1.002945745	0.8505727278	0.8937467292	0.6150882441	1.563640835	0.9304303955
33	139	149		10	1.014078983	0.8603984696	0.9039568717	0.6039550061	1.553815093	0.920220253
34	149	151		2	1.002664603	0.8525075829	0.895131567	0.6153693856	1.561705979	0.9290455577
35	151	157		6	1.007766353	0.8571864529	0.8999426629	0.6102676353	1.557027109	0.9242344618
36	157	163		6	1.007417439	0.8578775203	0.9003734737	0.6106165496	1.556336042	0.923803651
37	163	167		4	1.004759482	0.8565502564	0.8987010324	0.6132745069	1.557663306	0.9254760923
38	167	173		6	1.0068968	0.8589724968	0.9010632868	0.6111371883	1.555241066	0.9231138379
39	173	179		6	1.006616007	0.8595979478	0.9014610116	0.6114179821	1.554615615	0.9227161131
40	179	181		2	1.002141197	0.8565996268	0.8980709578	0.6158920186	1.557613936	0.9261061669
41	181	191		10	1.010344605	0.8638791444	0.9056227771	0.6076893841	1.550334418	0.9185543476
42	191	193		2	1.001983286	0.8580034319	0.8990822446	0.6160507027	1.55621013	0.9250948801
43	193	197		4	1.003897919	0.8598875144	0.9009833972	0.6141360698	1.554326048	0.9231937275
44	197	199		2	1.001911926	0.8586646827	0.8995590619	0.6161220625	1.55554888	0.9246180628
45	199	211		12	1.011061768	0.8667428126	0.9079511786	0.606972221	1.54747075	0.9162259461
46	211	223		12	1.010335408	0.8674748532	0.9083123573	0.6076985806	1.546738709	0.9158647674
47	223	227		4	1.003287901	0.8626716845	0.9029091966	0.6147460876	1.551541878	0.9212679281
48	227	229		2	1.001616971	0.8616306971	0.9017010883	0.6164170179	1.552582865	0.9224760364
49	229	233		4	1.003186849	0.8631759212	0.9032598245	0.61484714	1.551037641	0.9209173002
50	233	239		6	1.004664267	0.8648305759	0.9048764098	0.6133697218	1.549382986	0.9193007149
51	239	241		2	1.001521672	0.8626828297	0.9024621001	0.6165123167	1.551530733	0.9217150246
52	241	251		10	1.007412491	0.8679398268	0.9079067022	0.6106214982	1.546273736	0.9162704225
53	251	257		6	1.004275332	0.8661192967	0.9057376764	0.6137586568	1.548094266	0.9184394483
54	257	263		6	1.004158881	0.8665263421	0.9060110939	0.6138751077	1.54768722	0.9181660308
55	263	269		6	1.004048228	0.8669229776	0.9062781271	0.6139857612	1.547290585	0.9178989976
56	269	271		2	1.001324008	0.8650471465	0.9041741689	0.616709981	1.549166416	0.9200029558
57	271	277		6	1.003909001	0.8674364297	0.9066246704	0.6141249882	1.546777133	0.9175524543
58	277	281		4	1.002549274	0.866720323	0.9057384703	0.6154847145	1.547493239	0.9184386544
59	281	283		2	1.001257854	0.8659021781	0.9047939223	0.6167761345	1.548311384	0.9193832024
60	283	293		10	1.006151101	0.8702817279	0.9093257981	0.6118828882	1.543931834	0.9148513266
61	293	307		14	1.008217204	0.8727893665	0.9117294645	0.6098167845	1.541424196	0.9124476602
62	307	311		4	1.002260435	0.8685836357	0.9070502541	0.6157735542	1.545629927	0.9171268706

63	311	313	2	1.001116814	0.8678536012	0.9062094243	0.6169171752	1.546359961	0.9179677004
64	313	317	4	1.002209909	0.868930224	0.9072948454	0.6158240802	1.545283338	0.9168822793
65	317	331	14	1.007504313	0.8737767728	0.91227835	0.6105296757	1.54043679	0.9118987747
66	331	337	6	1.003096206	0.8708146824	0.908926767	0.6149377825	1.54339888	0.9152503577
67	337	347	10	1.005024301	0.8728438012	0.910937818	0.6130096876	1.541369761	0.9132393067
68	347	349	2	1.000982531	0.8699055585	0.9076992296	0.6170514579	1.544308004	0.9164778951
69	349	353	4	1.00194637	0.8708551192	0.908656365	0.616087619	1.543358443	0.9155207597
70	353	359	6	1.002872995	0.8718821067	0.9096612454	0.6151609941	1.542331456	0.9145158793
71	359	367	8	1.003746091	0.8729678125	0.9106956779	0.614287898	1.54124575	0.9134814468
72	367	373	6	1.002746076	0.8725223602	0.9101032435	0.6152879129	1.541691202	0.9140738812
73	373	379	6	1.002694853	0.8727881954	0.9102870676	0.6153391354	1.541425367	0.9138900571
74	379	383	4	1.001768205	0.8722853316	0.9096711343	0.6162657833	1.541928231	0.9145059904
75	383	389	6	1.00261336	0.8732204666	0.9105863524	0.6154206291	1.540993096	0.9135907723
76	389	397	8	1.003413543	0.8742114579	0.9115311713	0.6146204453	1.540002104	0.9126459534
77	397	401	4	1.001675343	0.8730795176	0.9102356889	0.6163586456	1.541134045	0.9139414358
78	401	409	8	1.003295605	0.8746795819	0.9118472638	0.6147383838	1.53953398	0.9123298609
79	409	419	10	1.004016779	0.8756770427	0.9127759902	0.6140172099	1.53853652	0.9114011345
80	419	421	2	1.000788674	0.8733081809	0.9101721511	0.6172453144	1.540905381	0.9140049736
81	421	431	10	1.003884938	0.8760979874	0.9130532139	0.6141490503	1.538115575	0.9111239108
82	431	433	2	1.000763197	0.8738040646	0.9105327515	0.6172707914	1.540409498	0.9136443732
83	433	439	6	1.002266888	0.8752016671	0.9119635727	0.6157671003	1.539011895	0.912213552
84	439	443	4	1.001490732	0.8747747439	0.9114430833	0.6165432569	1.539438818	0.9127340414
85	443	449	6	1.002207756	0.8755659473	0.9122177266	0.6158262323	1.538647615	0.9119593981
86	449	457	8	1.002891835	0.876407544	0.9130209778	0.6151421536	1.537806018	0.9111561469
87	457	461	4	1.001422874	0.8754422155	0.9119192882	0.6166111149	1.538771347	0.9122578365
88	461	463	2	1.00070581	0.8749717564	0.9113820495	0.6173281792	1.539241806	0.9127950752
89	463	467	4	1.001401529	0.8756576621	0.9120730897	0.6166324596	1.5385559	0.912104035
90	467	479	12	1.004127885	0.87819601	0.9146704383	0.6139061038	1.536017552	0.9095066864
91	479	487	8	1.002683786	0.8773853729	0.9136896239	0.6153502024	1.53682819	0.9104875008
92	487	491	4	1.001321858	0.8764867992	0.9126653915	0.6167121231	1.537726763	0.9115117332
93	491	499	8	1.002608265	0.8777572899	0.9139447246	0.6154257238	1.536456272	0.9102324001
94	499	503	4	1.001285141	0.8768829977	0.9129486379	0.6167488478	1.537330565	0.9112284868
95	503	509	6	1.001906225	0.8775668575	0.9136183806	0.6161277634	1.536646705	0.9105587441
96	509	521	12	1.003738824	0.8793796626	0.915442971	0.6142951649	1.5348339	0.9087341537
97	521	523	2	1.000612464	0.8770454023	0.9128907526	0.6174215247	1.53716816	0.9112863721
98	523	541	18	1.005405763	0.8813133865	0.9173130562	0.6126282256	1.532900176	0.9068640685
99	541	547	6	1.001752549	0.8786941895	0.914410713	0.6162814401	1.535519373	0.9097664117
100	547	557	10	1.002873596	0.8798666175	0.9155736747	0.615160393	1.534346945	0.90860345
101	557	563	6	1.001694627	0.8791412282	0.9147254939	0.616339362	1.535072334	0.9094516308
102	563	569	6	1.001673826	0.8793049707	0.9148408724	0.6163601631	1.534908592	0.9093362523
103	569	571	2	1.000553096	0.8785004916	0.9139496893	0.6174808926	1.535713071	0.9102274354
104	571	577	6	1.001646828	0.8795201123	0.9149925321	0.616387161	1.53469345	0.9091845926
105	577	587	10	1.002702576	0.8806236682	0.9160872463	0.6153314125	1.533589894	0.9080898784
106	587	593	6	1.001595222	0.8799398877	0.9152886488	0.6164387669	1.534273675	0.9088884759
107	593	599	6	1.001576647	0.8800938229	0.9153973038	0.6164573415	1.534119739	0.9087798209
108	599	601	2	1.00052122	0.8793343038	0.9145565631	0.617512769	1.534879259	0.9096205616
109	601	607	6	1.001552506	0.8802962227	0.9155402207	0.6164814828	1.53391734	0.908636904
110	607	613	6	1.001534852	0.8804459378	0.9156459747	0.6164991365	1.533767625	0.90853115
111	613	617	4	1.001013356	0.8801505703	0.9152894906	0.6170206329	1.534062992	0.9088876341
112	617	619	2	1.000503707	0.8798099947	0.9149028018	0.6175302822	1.534403568	0.9092743229
113	619	631	12	1.002986975	0.8820472685	0.9172131156	0.6150470137	1.532166294	0.9069640091
114	631	641	10	1.002438785	0.881881859	0.9169453344	0.6155952035	1.532331703	0.9072317903
115	641	643	2	1.000482013	0.8804180116	0.9153453689	0.6175519753	1.533795551	0.9088317558
116	643	647	4	1.000959083	0.88088876	0.9158193883	0.6170749056	1.533324802	0.9083577364
117	647	653	6	1.001426196	0.8814011458	0.9163214494	0.6166077927	1.532812417	0.9078556753
118	653	659	6	1.001411139	0.8815383648	0.9164185865	0.6166228499	1.532675198	0.9077585382
119	659	661	2	1.000466867	0.8808557094	0.9156639698	0.6175671216	1.533357853	0.9085131549
120	661	673	12	1.002770584	0.8829332638	0.9178087195	0.6152634049	1.531280299	0.9063684052
121	673	677	4	1.000910039	0.8815861541	0.9163203194	0.6171239496	1.532627408	0.9078568053
122	677	683	6	1.001353794	0.8820726165	0.9167970183	0.6166801944	1.532140946	0.9073801064
123	683	691	8	1.00178426	0.8825939433	0.9172958559	0.6162497287	1.531619619	0.9068812688
124	691	701	10	1.002197577	0.8831452313	0.9178121813	0.6158364121	1.531068331	0.9063649434
125	701	709	8	1.001731801	0.8829647808	0.9175550332	0.6163021878	1.531248782	0.9066220915
126	709	719	10	1.002133781	0.8835001929	0.9180566041	0.6159002076	1.53071337	0.9061205206

127	719	727	8	1.001682176	0.883324701	0.9178068439	0.6163518129	1.530888861	0.9063702808
128	727	733	6	1.00124743	0.8831165609	0.9175375249	0.6167865588	1.531097001	0.9066395998
129	733	739	6	1.001235719	0.8832360613	0.9176223747	0.6167982696	1.530977501	0.90655475
130	739	743	4	1.000817242	0.8829953388	0.9173333917	0.6172167472	1.531218224	0.906843733
131	743	751	8	1.001620042	0.8837885894	0.9181317649	0.6164139465	1.530424973	0.9060453598
132	751	757	6	1.001201799	0.8835876736	0.9178721291	0.6168321893	1.530625889	0.9063049956
133	757	761	4	1.000794964	0.8833531914	0.9175908265	0.6172390249	1.530860371	0.9065862982
134	761	769	8	1.001576215	0.8841251769	0.9183677746	0.6164577733	1.530088386	0.9058093501
135	769	773	4	1.000780739	0.8835860448	0.9177583735	0.6172532501	1.530627518	0.9064187512
136	773	787	14	1.002699015	0.8853605671	0.9195770268	0.6153349742	1.528852995	0.9046000979
137	787	797	10	1.001893521	0.8849280829	0.9190433838	0.6161404677	1.529285479	0.9051337409
138	797	809	12	1.002236875	0.8854267131	0.9195020502	0.6157971135	1.528786849	0.9046750745
139	809	811	2	1.000368759	0.8840062768	0.9179572739	0.6176652296	1.530207286	0.9062198508
140	811	821	10	1.001829586	0.8853351421	0.9193256737	0.6162044031	1.52887842	0.904851451
141	821	823	2	1.000362578	0.8842264943	0.9181175615	0.6176714103	1.529987068	0.9060595632
142	823	827	4	1.000722259	0.8845816396	0.9184750404	0.6173117296	1.529631923	0.9057020843
143	827	829	2	1.000359561	0.8843351091	0.9181966172	0.6176744278	1.529878453	0.9059805075
144	829	839	10	1.00178425	0.8856314787	0.9195314373	0.616249739	1.528582084	0.9046456874
145	839	853	14	1.002458159	0.8864103013	0.9202845937	0.6155758302	1.527803261	0.903892531
146	853	857	4	1.000693219	0.8851009281	0.9188490247	0.6173407693	1.529112634	0.9053281
147	857	859	2	1.000345158	0.8848638787	0.9185814748	0.6176888307	1.529349684	0.9055956499
148	859	863	4	1.000687674	0.8852021136	0.9189219108	0.6173463144	1.529011449	0.9052552139
149	863	877	14	1.002380372	0.8867697908	0.9205279873	0.6156536168	1.527443772	0.9036491374
150	877	881	4	1.000671531	0.885500571	0.9191369211	0.6173624579	1.528712991	0.9050402036
151	881	883	2	1.000334398	0.8852706161	0.9188775019	0.6176995904	1.528942946	0.9052996228
152	883	887	4	1.000666308	0.8855983999	0.9192074055	0.6173676811	1.528615162	0.9049697192
153	887	907	20	1.003284911	0.8879838785	0.9216628007	0.6147490776	1.526229684	0.902514324
154	907	911	4	1.000646161	0.8859817576	0.919483647	0.6173878279	1.528231805	0.9046934777
155	911	919	8	1.001283024	0.8866112485	0.9201170469	0.6167509643	1.527602314	0.9040600778
156	919	929	10	1.00158613	0.8870098092	0.9204911944	0.6164478591	1.527203753	0.9036859303
157	929	937	8	1.001254669	0.8868769305	0.9203045723	0.6167793199	1.527336632	0.9038725524
158	937	941	4	1.000622542	0.8864439058	0.9198167397	0.6174114468	1.527769657	0.904360385
159	941	947	6	1.000928291	0.8867777209	0.9201440278	0.6171056981	1.527435841	0.9040330969
160	947	953	6	1.000921572	0.8868655711	0.9202067312	0.6171124165	1.527347991	0.9039703935
161	953	967	14	1.002126007	0.888025929	0.9213824505	0.6159079814	1.526187633	0.9027946742
162	967	971	4	1.000600502	0.8868883424	0.9201371415	0.6174334863	1.52732522	0.9040399832
163	971	977	6	1.000895593	0.887210408	0.9204529242	0.6171383954	1.527003154	0.9037242005
164	977	983	6	1.000889314	0.8872950205	0.9205133479	0.6171446751	1.526918542	0.9036637768
165	983	991	8	1.001176299	0.8876389455	0.9208429911	0.6168576901	1.526574617	0.9033341336
166	991	997	6	1.00087498	0.8874900467	0.9206526434	0.617159009	1.526723516	0.9035244813
167	997	1009	12	1.001732756	0.8883386269	0.9215062374	0.6163012325	1.525874935	0.9026708873
168	1009	1013	4	1.000572018	0.8874830555	0.9205659881	0.617461971	1.526730507	0.9036111366
169	1013	1019	6	1.000853317	0.8877899259	0.9208668901	0.6171806714	1.526423637	0.9033102346
170	1019	1021	2	1.000283081	0.8873695743	0.9204049404	0.6177509074	1.526843988	0.9037721843
171	1021	1031	10	1.001406742	0.8883947748	0.9214596949	0.6166272466	1.525818788	0.9027174298
172	1031	1033	2	1.000279318	0.8875352868	0.9205255142	0.6177546711	1.526678276	0.9036516105
173	1033	1039	6	1.000834487	0.8880558317	0.9210569252	0.6171995022	1.526157731	0.9031201995
174	1039	1049	10	1.001379009	0.888622486	0.9216192964	0.6166549795	1.525591076	0.9025578283
175	1049	1051	2	1.000273846	0.8877794286	0.9207031483	0.6177601426	1.526434134	0.9034739764
176	1051	1061	10	1.001361088	0.8887717601	0.9217239749	0.6166729005	1.525441802	0.9024531498
177	1061	1063	2	1.00027031	0.8879393265	0.9208194843	0.6177636789	1.526274236	0.9033576404
178	1063	1069	6	1.00080767	0.8884433032	0.9213339386	0.6172263186	1.525770259	0.9028431861
179	1069	1087	18	1.002394154	0.8899323006	0.9228535814	0.6156398348	1.524281262	0.9013235433
180	1087	1091	4	1.000525391	0.8885112911	0.9213077153	0.6175085981	1.525702271	0.9028694094
181	1091	1093	2	1.000261836	0.888329467	0.921103324	0.6177721529	1.525884095	0.9030738007
182	1093	1097	4	1.000522101	0.8885866364	0.9213620787	0.6175118881	1.525626926	0.902815046
183	1097	1103	6	1.000779185	0.8888668519	0.9216368744	0.6172548033	1.525346711	0.9025402503
184	1103	1109	6	1.000774355	0.8889399569	0.9216891748	0.6172596337	1.525273605	0.9024879499
185	1109	1117	8	1.001025188	0.8892396483	0.9219765604	0.6170088009	1.524973914	0.9022005643
186	1117	1123	6	1.000763301	0.8891086913	0.9218099047	0.6172706874	1.525104871	0.90236722
187	1123	1129	6	1.000758655	0.889180229	0.9218610963	0.6172753338	1.525033333	0.9023160284
188	1129	1151	22	1.002745569	0.8910209246	0.9237465745	0.6152884198	1.523192638	0.9004305502
189	1151	1153	2	1.000246313	0.8890713621	0.9216430255	0.6177876754	1.5251422	0.9025340992
190	1153	1163	10	1.001224891	0.889965532	0.9225625558	0.6168090977	1.52424803	0.9016145689

191	1163	1171	8	1.000971164	0.889860974	0.9224174231	0.6170628249	1.524352588	0.9017597016
192	1171	1181	10	1.001203498	0.8901633865	0.9227017794	0.6168304906	1.524050176	0.9014753453
193	1181	1187	6	1.000716355	0.8898489013	0.922339762	0.6173176338	1.524364661	0.9018373627
194	1187	1193	6	1.000712233	0.8899158122	0.9223876765	0.6173217559	1.52429775	0.9017894482
195	1193	1201	8	1.00094342	0.8901915504	0.922652166	0.6170905689	1.524022012	0.9015249587
196	1201	1213	12	1.001402089	0.8906923581	0.9231430155	0.6166318997	1.523521204	0.9010341092
197	1213	1217	4	1.000463632	0.889995415	0.9223788246	0.6175703565	1.524218147	0.9017983001
198	1217	1223	6	1.000692278	0.8902443674	0.9226229953	0.6173417107	1.523969195	0.9015541294
199	1223	1229	6	1.000688413	0.8903089089	0.9226692295	0.6173455753	1.523904654	0.9015078952
200	1229	1231	2	1.000228567	0.8899673179	0.9222947032	0.6178054216	1.524246244	0.9018824215
201	1231	1237	6	1.000683324	0.8903943735	0.9227304561	0.617350665	1.523819189	0.9014466686
202	1237	1249	12	1.001355834	0.8910598249	0.9233996973	0.6166781551	1.523153737	0.9007774274
203	1249	1259	10	1.001118431	0.890981451	0.923278099	0.6169155577	1.523232111	0.9008990257
204	1259	1277	18	1.001988747	0.8918656354	0.9241610219	0.6160452417	1.522347927	0.9000161028
205	1277	1279	2	1.000218804	0.8904844661	0.9226708005	0.6178151847	1.523729096	0.9015063242
206	1279	1283	4	1.000436488	0.8906996445	0.9228872598	0.6175975007	1.523513918	0.9012898649
207	1283	1289	6	1.000651903	0.8909340679	0.923117196	0.6173820862	1.523279494	0.9010599287
208	1289	1291	2	1.000216486	0.890610011	0.9227620972	0.6178175032	1.523603551	0.9014150275
209	1291	1297	6	1.00064731	0.8910147576	0.9231750325	0.6173866787	1.523198805	0.9010020922
210	1297	1301	4	1.0004296	0.8908840416	0.9230204068	0.6176043883	1.523329521	0.9011567179
211	1301	1303	2	1.000214213	0.8907341215	0.9228523484	0.6178197756	1.523479441	0.9013247763
212	1303	1307	4	1.00042735	0.8909448148	0.9230642906	0.6176066386	1.523268748	0.9011128341
213	1307	1319	12	1.001273702	0.8917402325	0.9238757128	0.6167602863	1.52247333	0.9003014119
214	1319	1321	2	1.000210888	0.8909176622	0.9229858118	0.6178231008	1.5232959	0.9011913129
215	1321	1327	6	1.00063062	0.8913120654	0.9233881691	0.6174033683	1.522901497	0.9007889556
216	1327	1361	34	1.003518302	0.8939458181	0.9260979934	0.614515687	1.520267744	0.8980791313
217	1361	1367	6	1.000609597	0.8916960604	0.9236635254	0.6174243921	1.522517502	0.9005135993
218	1367	1373	6	1.000606557	0.891752486	0.9237039942	0.6174274316	1.522461076	0.9004731305
219	1373	1381	8	1.000804145	0.8919874016	0.9239294412	0.617229844	1.522226161	0.9002476835
220	1381	1399	18	1.001790984	0.8929449534	0.9248975621	0.616243005	1.521268609	0.8992795626
221	1399	1409	10	1.000983299	0.8923983685	0.9242787039	0.61705069	1.521815194	0.8998984208
222	1409	1423	14	1.001363616	0.8928325718	0.9246994853	0.6166703723	1.521380991	0.8994776394
223	1423	1427	4	1.000386614	0.8920931258	0.9238936032	0.6176473748	1.522120437	0.9002835215
224	1427	1429	2	1.000192826	0.8919576313	0.9237419301	0.6178411625	1.522255931	0.9004351946
225	1429	1433	4	1.00038477	0.8921474164	0.9239328175	0.6176492188	1.522066146	0.9002443072
226	1433	1439	6	1.000574925	0.892354132	0.9241356039	0.6174590642	1.52185943	0.9000415208
227	1439	1447	8	1.00076241	0.8925768105	0.9243493419	0.6172715787	1.521636752	0.8998277828
228	1447	1451	4	1.000379337	0.8923086356	0.9240492693	0.6176546522	1.521904927	0.9001278554
229	1451	1453	2	1.000189205	0.8921755907	0.9239003756	0.6178447842	1.522037972	0.9002767491
230	1453	1459	6	1.000565948	0.8925298817	0.924261719	0.6174680408	1.521683681	0.8999154057
231	1459	1471	12	1.001124311	0.893082499	0.9248173927	0.6169096782	1.521131063	0.899359732
232	1471	1481	10	1.000928897	0.893016408	0.9247160296	0.6171050918	1.521197154	0.8994610951
233	1481	1483	2	1.000184855	0.8924418749	0.9240939393	0.6178491339	1.521771688	0.9000831854
234	1483	1487	4	1.000368895	0.8926238611	0.9242769739	0.6176650939	1.521589701	0.8999001508
235	1487	1489	2	1.000184008	0.8924943346	0.9241320711	0.6178499812	1.521719228	0.9000450536
236	1489	1493	4	1.000367207	0.8926754917	0.9243142709	0.6176667815	1.521538071	0.8998628538
237	1493	1499	6	1.000548769	0.8928727907	0.9245078292	0.6174852199	1.521340772	0.8996692955
238	1499	1511	12	1.00109038	0.8934088486	0.9250468374	0.6169436085	1.520804714	0.8991302873
239	1511	1523	12	1.001080577	0.8935047809	0.9251143186	0.6169534121	1.520708782	0.8990628061
240	1523	1531	8	1.000714892	0.8932820073	0.9248521387	0.6173190965	1.520931555	0.899324986
241	1531	1543	12	1.001064603	0.8936627127	0.9252254455	0.6169693854	1.52055085	0.8989516792
242	1543	1549	6	1.000528638	0.8932861715	0.9248045929	0.6175053507	1.520927391	0.8993725318
243	1549	1553	4	1.000351103	0.8931782489	0.924677471	0.6176828853	1.521035313	0.8994996537
244	1553	1559	6	1.000524779	0.8933669104	0.9248625642	0.6175092098	1.520846652	0.8993145605
245	1559	1567	8	1.000696207	0.8935701746	0.92505772	0.6173377819	1.520643388	0.8991194047
246	1567	1571	4	1.00034653	0.8933244647	0.9247831056	0.6176874583	1.520889098	0.8993940191
247	1571	1579	8	1.000690183	0.893664471	0.9251250068	0.6173438062	1.520549091	0.8990521179
248	1579	1583	4	1.000343544	0.8934208096	0.924852712	0.6176904448	1.520792753	0.8993244127
249	1583	1597	14	1.001195194	0.8942142548	0.9256640827	0.6168387945	1.519999308	0.898513042
250	1597	1601	4	1.000339155	0.8935636669	0.9249559241	0.6176948341	1.520649896	0.8992212006
251	1601	1607	6	1.000506975	0.8937459174	0.9251347339	0.6175270142	1.520467645	0.8990423908
252	1607	1609	2	1.000168486	0.8934918589	0.9248570493	0.6178655032	1.520721703	0.8993200754
253	1609	1613	4	1.000336287	0.8936578197	0.9250239492	0.6176977017	1.520555743	0.8991531755
254	1613	1619	6	1.000502701	0.8938385314	0.9252012508	0.6175312876	1.520375031	0.8989758739

255	1619	1621	2	1.000167069	0.8935865475	0.9249258568	0.6178669196	1.520627015	0.8992512679
256	1621	1627	6	1.00049989	0.8938998137	0.9252452668	0.6175340989	1.520313749	0.8989318579
257	1627	1637	10	1.000828653	0.8942411533	0.9255840863	0.6172053356	1.519972409	0.8985930384
258	1637	1657	20	1.001640868	0.8950457909	0.9263929033	0.6163931209	1.519167771	0.8977842214
259	1657	1663	6	1.0004876	0.8941711403	0.925440166	0.617546389	1.520042422	0.8987369587
260	1663	1667	4	1.000323932	0.8940711681	0.9253226027	0.6177100566	1.520142394	0.8988545522
261	1667	1669	2	1.000161622	0.8939568475	0.9251949258	0.6178723664	1.520256715	0.8989821989
262	1669	1693	24	1.001924191	0.8955476203	0.926836608	0.6161097978	1.518665942	0.8973405167
263	1693	1697	4	1.000317434	0.8942938056	0.9254834698	0.6177165551	1.519919757	0.8986936549
264	1697	1699	2	1.000158386	0.8941816905	0.9253582884	0.6178756027	1.520031872	0.8988188363
265	1699	1709	10	1.000789019	0.8947605156	0.9259527239	0.6172449698	1.519453047	0.8982244008
266	1709	1721	12	1.000940009	0.8949702631	0.9261470239	0.6170939794	1.519243299	0.8980301008
267	1721	1723	2	1.000155884	0.8943580756	0.9254864359	0.6178781045	1.519855487	0.8986906888
268	1723	1733	10	1.000776596	0.8949278821	0.9260715824	0.617257393	1.51928568	0.8981055423
269	1733	1741	8	1.000617577	0.8948591273	0.925978072	0.6174164115	1.519354435	0.8981990527
270	1741	1747	6	1.000461039	0.8947775032	0.9258758365	0.61757295	1.519436059	0.8983012882
271	1747	1753	6	1.000459246	0.8948194593	0.9259059871	0.6175747424	1.519394103	0.8982711376
272	1753	1759	6	1.000457467	0.894861242	0.9259360138	0.6175765217	1.51935232	0.8982411109
273	1759	1777	18	1.001362473	0.8957139563	0.9268051756	0.6166715154	1.518499606	0.8973719491
274	1777	1783	6	1.000450479	0.8950266643	0.9260548993	0.6175835099	1.519186898	0.8981222254
275	1783	1787	4	1.000299343	0.8949339178	0.9259460061	0.6177346458	1.519279645	0.8982311186
276	1787	1789	2	1.000149376	0.8948279534	0.92582778	0.6178846131	1.519385609	0.8983493447
277	1789	1801	12	1.000892628	0.8955070217	0.9265260843	0.6171413604	1.518706541	0.8976510404
278	1801	1811	10	1.000738666	0.8954533556	0.9264449508	0.6172953227	1.518760207	0.8977321739
279	1811	1823	12	1.000880384	0.895649716	0.9266269241	0.617153605	1.518563846	0.8975502006
280	1823	1831	8	1.000583195	0.8954665866	0.9264122381	0.6174507934	1.518746976	0.8977648866
281	1831	1847	16	1.00115811	0.8960359693	0.9269845864	0.616875879	1.518177593	0.8971925383
282	1847	1861	14	1.001003983	0.8960068564	0.9269213181	0.6170300056	1.518206706	0.8972558066
283	1861	1867	6	1.000427539	0.8955850959	0.9264563055	0.6176064495	1.518628466	0.8977208192
284	1867	1871	4	1.000284142	0.895496832	0.9263527824	0.6177498467	1.51871673	0.8978243423
285	1871	1873	2	1.000141803	0.8953960489	0.9262404102	0.6178921858	1.518817513	0.8979367145
286	1873	1877	4	1.000283112	0.8955358565	0.9263809831	0.6177508766	1.518677706	0.8977961416
287	1877	1879	2	1.00014129	0.8954354248	0.9262690079	0.6178926988	1.518778138	0.8979081168
288	1879	1889	10	1.000704102	0.8959525662	0.9267999201	0.6173298869	1.518260996	0.8973772046
289	1889	1901	12	1.000839427	0.8961397287	0.9269734198	0.6171945613	1.518073834	0.8972037049
290	1901	1907	6	1.000417378	0.8958404324	0.9266398798	0.6176166104	1.51837313	0.8975372449
291	1907	1913	6	1.000415894	0.8958781737	0.9266670157	0.6176180951	1.518335389	0.897510109
292	1913	1931	18	1.001239384	0.8966545648	0.9274582226	0.6167946051	1.517558998	0.8967189021
293	1931	1933	2	1.000136826	0.8957829999	0.9265214266	0.6178971628	1.518430562	0.8976556981
294	1933	1949	16	1.001089389	0.8966489722	0.9274132148	0.6169445997	1.51756459	0.8967639099
295	1949	1951	2	1.000135397	0.8958962169	0.9266036419	0.6178985919	1.518317345	0.8975734828
296	1951	1973	22	1.001480071	0.8971134008	0.9278586889	0.6165539173	1.517100162	0.8963184358
297	1973	1979	6	1.0004002	0.8962841053	0.9269589089	0.617633789	1.517929457	0.8972182158
298	1979	1987	8	1.000531504	0.8964390661	0.9271078006	0.6175024851	1.517774496	0.8970693241
299	1987	1993	6	1.000397014	0.896368108	0.9270193191	0.6176369745	1.517845454	0.8971578056
300	1993	1997	4	1.000263908	0.8962858311	0.9269229577	0.6177700808	1.517927731	0.897254167
301	1997	1999	2	1.000131721	0.8961919643	0.9268183923	0.6179022677	1.518021598	0.8973587324
302	1999	2003	4	1.000263013	0.8963218795	0.9269490087	0.6177709762	1.517891683	0.897228116
303	2003	2011	8	1.000524315	0.8965805268	0.9272090287	0.6175096736	1.517633036	0.896968096
304	2011	2017	6	1.000391664	0.8965104647	0.9271216994	0.6176423247	1.517703098	0.8970554253
305	2017	2027	10	1.000649937	0.8967783767	0.9273876487	0.6173840518	1.517435186	0.896789476
306	2027	2029	2	1.000129518	0.8963724152	0.9269494126	0.6179044704	1.517841147	0.8972277121
307	2029	2039	10	1.000645599	0.8968470051	0.9274365196	0.6173883895	1.517366557	0.8967406051
308	2039	2053	14	1.00089796	0.8971332293	0.9277142076	0.617136029	1.517080333	0.8964629171
309	2053	2063	10	1.000637087	0.8969828291	0.9275332535	0.6173969022	1.517230733	0.8966438712
310	2063	2069	6	1.000380529	0.8968119949	0.9273385736	0.6176534599	1.517401567	0.8968385511
311	2069	2081	12	1.00075747	0.8971852436	0.9277137586	0.6172765186	1.517028319	0.8964633661
312	2081	2083	2	1.000125725	0.8966891216	0.9271793453	0.6179082638	1.517524441	0.8969977794
313	2083	2087	4	1.000251057	0.8968131508	0.927304038	0.6177829321	1.517400412	0.8968730867
314	2087	2089	2	1.000125316	0.8967236888	0.92720444	0.6179086723	1.517489874	0.8969726847
315	2089	2099	10	1.00062471	0.8971830733	0.927675897	0.6174092788	1.517030489	0.8965012277
316	2099	2111	12	1.00074527	0.8973490851	0.9278298975	0.6172887192	1.516864477	0.8963472272
317	2111	2113	2	1.000123707	0.8968607496	0.9273039392	0.6179102814	1.517352813	0.8968731855
318	2113	2129	16	1.000985342	0.8976448847	0.9281111966	0.6170486464	1.516568678	0.8960659281

319	2129	2131	2	1.000122526	0.8969622985	0.9273776556	0.6179114627	1.517251264	0.8967994691
320	2131	2137	6	1.000366844	0.8971927537	0.9276124692	0.6176671443	1.517020809	0.8965646555
321	2137	2141	4	1.000243902	0.8971164207	0.9275232048	0.617790087	1.517097142	0.8966539199
322	2141	2143	2	1.00012175	0.8970294153	0.9274263757	0.6179122384	1.517184147	0.896750749
323	2143	2153	10	1.000606978	0.8974758882	0.9278845447	0.6174270103	1.516737674	0.89629258
324	2153	2161	8	1.000483263	0.8974210329	0.9278107254	0.6175507257	1.516792529	0.8963663993
325	2161	2179	18	1.001080311	0.8980012601	0.9283969789	0.616953678	1.516212302	0.8957801458
326	2179	2203	24	1.001425075	0.8984103535	0.9287894833	0.6166089138	1.515803209	0.8953876414
327	2203	2207	4	1.000235666	0.897474675	0.9277821078	0.6177983224	1.516738887	0.8963950169
328	2207	2213	6	1.000352617	0.8976013376	0.9279064232	0.617681372	1.516612225	0.8962707015
329	2213	2221	8	1.000468506	0.8977378272	0.9280376106	0.6175654825	1.516475735	0.8961395141
330	2221	2237	16	1.000931535	0.8981965002	0.9284985955	0.6171024542	1.516017062	0.8956785292
331	2237	2239	2	1.000115865	0.8975502875	0.9278044384	0.6179181236	1.516663275	0.8963726863
332	2239	2243	4	1.000231393	0.897664633	0.9279193862	0.6178025955	1.516548929	0.8962577385
333	2243	2251	8	1.000461444	0.897892394	0.9281483288	0.6175725443	1.516321168	0.8960287959
334	2251	2267	16	1.000917566	0.8983442324	0.9286024393	0.6171164229	1.51586933	0.8955746854
335	2267	2269	2	1.000114135	0.8977074724	0.927918514	0.6179198534	1.51650609	0.8962586107
336	2269	2273	4	1.000227943	0.8978201184	0.9280317516	0.6178060455	1.516393444	0.8961453731
337	2273	2281	8	1.000454582	0.8980445065	0.9282573007	0.6175794068	1.516169056	0.895919824
338	2281	2287	6	1.000339737	0.897983184	0.9281811782	0.6176942518	1.516230378	0.8959959465
339	2287	2293	6	1.000338732	0.8980134882	0.9282029849	0.617695257	1.516200074	0.8959741398
340	2293	2297	4	1.000225253	0.8979427195	0.928120352	0.6178087359	1.516270843	0.8960567727
341	2297	2309	12	1.000673261	0.8983656028	0.9285511383	0.617360728	1.51584796	0.8956259864
342	2309	2311	2	1.000111795	0.8979233058	0.9280751429	0.6179221942	1.516290257	0.8961019818
343	2311	2333	22	1.001223257	0.8989314699	0.9291140294	0.6168107313	1.515282093	0.8950630953
344	2333	2339	6	1.000331209	0.8982426809	0.9283679168	0.6177027799	1.515970881	0.8958092079
345	2339	2341	2	1.000110178	0.8980745532	0.928184895	0.6179238111	1.516139009	0.8959922297
346	2341	2347	6	1.000329933	0.8982819842	0.9283962014	0.617704056	1.515931578	0.8957809233
347	2347	2351	4	1.000219415	0.8982129624	0.928315648	0.6178145742	1.5160006	0.8958614767
348	2351	2357	6	1.000328351	0.8983308862	0.9284313942	0.617705638	1.515882676	0.8957457305
349	2357	2371	14	1.000762662	0.8987509938	0.9288564038	0.6172713265	1.515462569	0.8953207209
350	2371	2377	6	1.00032523	0.898427942	0.928501243	0.6177087591	1.51578562	0.8956758817
351	2377	2381	4	1.000216294	0.898359855	0.9284218018	0.6178176951	1.515853707	0.8957553229
352	2381	2383	2	1.000107987	0.8982823593	0.9283356791	0.6179260015	1.515931203	0.8958414456
353	2383	2389	6	1.000323384	0.8984857029	0.928542813	0.6177106049	1.515727859	0.8956343117
354	2389	2393	4	1.000215069	0.898417983	0.9284638086	0.61781892	1.515795579	0.8957133161
355	2393	2399	6	1.000321861	0.8985335698	0.9285772629	0.6177121279	1.515679993	0.8955998618
356	2399	2411	12	1.000641107	0.8988497601	0.9288950487	0.6173928813	1.515363802	0.895282076
357	2411	2417	6	1.000319153	0.8986191253	0.9286388387	0.6177148353	1.515594437	0.895538286
358	2417	2423	6	1.000318261	0.8986474728	0.9286592412	0.6177157281	1.51556609	0.8955178835
359	2423	2437	14	1.000739318	0.899054808	0.9290713112	0.6172946703	1.515158754	0.8951058135
360	2437	2441	4	1.000210298	0.8986469993	0.9286293081	0.6178236904	1.515566563	0.8955478166
361	2441	2447	6	1.000314736	0.8987600204	0.9287402465	0.6177192526	1.515453542	0.8954368782
362	2447	2459	12	1.000626966	0.899069271	0.9290510516	0.6174070224	1.515144291	0.8951260731
363	2459	2467	8	1.000416019	0.8989369003	0.9288968265	0.6176179695	1.515276662	0.8952802982
364	2467	2473	6	1.000311001	0.8988804512	0.9288269284	0.6177229881	1.515333111	0.8953501963
365	2473	2477	4	1.000206851	0.8988151973	0.9287508558	0.6178271382	1.515398365	0.8954262689
366	2477	2503	26	1.001336164	0.8998488964	0.9298132277	0.6166978244	1.514364666	0.894363897
367	2503	2521	18	1.000915707	0.8995927164	0.9295113961	0.6171182813	1.514620846	0.8946657286
368	2521	2531	10	1.000505442	0.8993072697	0.9291910435	0.6175285463	1.514906293	0.8949860812
369	2531	2539	8	1.000402715	0.8992608831	0.9291290949	0.6176312741	1.514952679	0.8950480298
370	2539	2543	4	1.000200801	0.8991159757	0.9289682091	0.6178331879	1.515097587	0.8952089156
371	2543	2549	6	1.00030055	0.8992238884	0.9290741375	0.6177334392	1.514989674	0.8951029872
372	2549	2551	2	1.000099996	0.899070896	0.9289077376	0.6179339928	1.515142666	0.8952693871
373	2551	2557	6	1.000299488	0.8992593187	0.9290996418	0.6177345006	1.514954244	0.8950774829
374	2557	2579	22	1.001091816	0.8999988313	0.9298553886	0.616942173	1.514214731	0.8943217361
375	2579	2591	12	1.000590972	0.8996476458	0.9294623171	0.6174430172	1.514565917	0.8947148076
376	2591	2593	2	1.000098171	0.8992581424	0.9290435544	0.6179358177	1.51495542	0.8951335703
377	2593	2609	16	1.000782577	0.899882446	0.9296858184	0.617251412	1.514331116	0.8944913063
378	2609	2617	8	1.000389186	0.8995996406	0.9293720027	0.6176448028	1.514613922	0.894805122
379	2617	2621	4	1.000194072	0.8994594387	0.9292164019	0.6178399172	1.514754124	0.8949607228
380	2621	2633	12	1.00058033	0.8998243794	0.9295880496	0.617453659	1.514389183	0.8945890751
381	2633	2647	14	1.000673327	0.8999605733	0.9297127075	0.6173606617	1.514252989	0.8944644172
382	2647	2657	10	1.000478449	0.8998462475	0.9295760038	0.6175555398	1.514367315	0.8946011209

383	2657	2659	2	1.000095428	0.8995450217	0.9292516201	0.6179385607	1.514668541	0.8949255046
384	2659	2663	4	1.000190623	0.8996392761	0.9293463531	0.617843366	1.514574286	0.8948307716
385	2663	2671	8	1.000380315	0.8998271394	0.9295351579	0.6176536733	1.514386423	0.8946419668
386	2671	2677	6	1.000284382	0.8997752314	0.9294710421	0.6177496071	1.514438331	0.8947060826
387	2677	2683	6	1.000283664	0.8998002904	0.929489083	0.6177503244	1.514413272	0.8946880417
388	2683	2687	4	1.000188704	0.8997405004	0.9294194972	0.6178452849	1.514473062	0.8947576275
389	2687	2689	2	1.000094229	0.8996725603	0.929344113	0.6179397599	1.514541002	0.8948330117
390	2689	2693	4	1.00018823	0.899765635	0.9294376592	0.617845759	1.514447927	0.8947394655
391	2693	2699	6	1.000281768	0.899866785	0.9295369551	0.6177522207	1.514346777	0.8946401696
392	2699	2707	8	1.000374612	0.8999757583	0.9296417538	0.6176593763	1.514237804	0.8945353709
393	2707	2711	4	1.000186821	0.8998406324	0.9294918513	0.6178471675	1.51437293	0.8946852734
394	2711	2713	2	1.00009329	0.8997733463	0.9294172014	0.6179406989	1.514440216	0.8947599233
395	2713	2719	6	1.000279431	0.8999492369	0.9295963165	0.6177545573	1.514264326	0.8945808082
396	2719	2729	10	1.000464222	0.9001407142	0.9297864031	0.6175697668	1.514072848	0.8943907216
397	2729	2731	2	1.000092597	0.8998482241	0.9294714997	0.6179413915	1.514365338	0.894705625
398	2731	2741	10	1.000461929	0.9001888898	0.9298208302	0.6175720601	1.514024673	0.8943562945
399	2741	2749	8	1.000368161	0.9001461756	0.9297639946	0.6176658277	1.514067387	0.8944131301
400	2749	2753	4	1.000183611	0.9000132992	0.9296166165	0.6178503774	1.514200263	0.8945605082
401	2753	2767	14	1.000640428	0.9004409198	0.9300532489	0.6173935609	1.513772643	0.8941238758
402	2767	2777	10	1.000455176	0.9003319193	0.9299230496	0.6175788126	1.513881643	0.8942540751
403	2777	2789	12	1.000543805	0.9004526781	0.9300352615	0.6174901835	1.513760884	0.8941418632
404	2789	2791	2	1.000090358	0.9000935308	0.9296493751	0.6179436312	1.514120032	0.8945277496
405	2791	2797	6	1.00027066	0.9002639382	0.9298228953	0.6177633286	1.513949624	0.8943542294
406	2797	2801	4	1.000180069	0.9002067578	0.9297564028	0.6178539198	1.514006805	0.8944207219
407	2801	2803	2	1.000089922	0.90014182	0.9296843882	0.6179440669	1.514071742	0.8944927365
408	2803	2819	16	1.000717009	0.9007143306	0.9302732178	0.6173169794	1.513499232	0.8939039069
409	2819	2833	14	1.000623606	0.9006947506	0.9302333067	0.6174103831	1.513518812	0.893943818
410	2833	2837	4	1.000177496	0.9003492292	0.9298593457	0.6178564924	1.513864333	0.894317779
411	2837	2843	6	1.000265729	0.9004446045	0.9299529776	0.61776826	1.513768958	0.8942241471
412	2843	2851	8	1.00035334	0.9005473473	0.9300517984	0.6176806487	1.513666215	0.8941253263
413	2851	2857	6	1.000264262	0.9004988904	0.9299920651	0.6177697272	1.513714672	0.8941850596
414	2857	2861	4	1.00017582	0.9004429966	0.9299270965	0.617858169	1.513770566	0.8942500282
415	2861	2879	18	1.000788021	0.9010099452	0.9305077872	0.6172459682	1.513203617	0.8936693375
416	2879	2887	8	1.000348377	0.9006848404	0.93015045	0.6176856121	1.513528722	0.8940266747
417	2887	2897	10	1.000433965	0.9007931555	0.9302527658	0.6176000242	1.513420407	0.8939243589
418	2897	2903	6	1.000259548	0.900675022	0.9301188876	0.6177744411	1.51353854	0.8940582371
419	2903	2909	6	1.000258945	0.9006977471	0.930135251	0.6177750442	1.513515815	0.8940418737
420	2909	2917	8	1.000344341	0.9007978546	0.9302315429	0.6176896481	1.513415708	0.8939455818
421	2917	2927	10	1.000428953	0.9009049064	0.9303326697	0.6176050362	1.513308656	0.8938444455
422	2927	2939	12	1.000512593	0.9010186586	0.9304384021	0.6175213959	1.513194904	0.8937387226
423	2939	2953	14	1.000595081	0.9011388551	0.9305485038	0.6174389074	1.513074707	0.8936286209
424	2953	2957	4	1.000169404	0.9008087396	0.9301913537	0.6178645844	1.513404823	0.893985771
425	2957	2963	6	1.000253634	0.9008997608	0.9302807148	0.6177803544	1.513313802	0.8938964099
426	2963	2969	6	1.000253057	0.9009219322	0.93029668	0.6177809317	1.51329163	0.8938804447
427	2969	2971	2	1.000084217	0.9007924906	0.930156107	0.6179497713	1.513421072	0.8940210177
428	2971	2999	28	1.001173029	0.9017807404	0.9311742689	0.6168609602	1.512432822	0.8930028558
429	2999	3001	2	1.000083271	0.9009039595	0.9302369066	0.6179507182	1.513309603	0.8939402181
430	3001	3011	10	1.000415487	0.9012106716	0.9305513326	0.6176185014	1.513002891	0.8936257921
431	3011	3019	8	1.00033126	0.9011719104	0.930499975	0.6177027288	1.513041652	0.8936771497
432	3019	3023	4	1.000165246	0.9010519308	0.9303670577	0.6178687426	1.513161632	0.893810067
433	3023	3037	14	1.000576549	0.9014372341	0.9307603892	0.6174574393	1.512776328	0.8934167355
434	3037	3041	4	1.000164146	0.9011171395	0.9304141696	0.6178698431	1.513096423	0.8937629551
435	3041	3049	8	1.000327591	0.9012790469	0.9305768671	0.6177063979	1.512934515	0.8936002576
436	3049	3061	12	1.000489618	0.9014542612	0.9307488496	0.617544371	1.512759301	0.8934282751
437	3061	3067	6	1.00024397	0.9012765891	0.9305520691	0.6177900187	1.512936973	0.8936250556
438	3067	3079	12	1.000486393	0.9015167825	0.9307934195	0.6175475958	1.51269678	0.8933837052
439	3079	3083	4	1.000161631	0.9012674898	0.9305227927	0.6178723576	1.512946073	0.893654332
440	3083	3089	6	1.000242015	0.9013543282	0.9306080509	0.6177919739	1.512859234	0.8935690738
441	3089	3109	20	1.00080314	0.9018815524	0.9311457969	0.6172308484	1.51233201	0.8930313278
442	3109	3119	10	1.000399314	0.9015891557	0.9308220685	0.6176346746	1.512624407	0.8933550562
443	3119	3121	2	1.000079677	0.9013366247	0.9305504953	0.6179543114	1.512876938	0.8936266294
444	3121	3137	16	1.000635536	0.9018446949	0.931072866	0.6173984526	1.512368868	0.8931042587
445	3137	3163	26	1.001025213	0.9022524761	0.9314765813	0.6170087754	1.511961086	0.8927005434
446	3163	3167	4	1.000156816	0.9015608728	0.9307347455	0.6178771728	1.51265269	0.8934423792

447	3167	3169	2	1.000078321	0.9015040505	0.9306718279	0.6179556673	1.512709512	0.8935052968
448	3169	3181	12	1.000468856	0.9018630535	0.9310403197	0.6175651323	1.512350509	0.893136805
449	3181	3187	6	1.000233656	0.9016926821	0.9308517138	0.6178003329	1.51252088	0.8933254109
450	3187	3191	4	1.00015549	0.9016429673	0.9307940525	0.6178784988	1.512570595	0.8933830722
451	3191	3203	12	1.000465231	0.9019360108	0.9310923513	0.617568758	1.512277552	0.8930847734
452	3203	3209	6	1.000231854	0.9017669156	0.9309051738	0.6178021345	1.512446647	0.8932719509
453	3209	3217	8	1.000308394	0.9018565001	0.9309913661	0.6177255946	1.512357062	0.8931857586
454	3217	3221	4	1.000153862	0.9017445392	0.9308674294	0.6178801266	1.512469023	0.8933096953
455	3221	3229	8	1.000307105	0.9018963554	0.931019978	0.6177268841	1.512317207	0.8931571467
456	3229	3251	22	1.000840373	0.9024044162	0.9315361181	0.6171936162	1.511809146	0.8926410066
457	3251	3253	2	1.000076051	0.901789742	0.9308788478	0.6179579374	1.51242382	0.8932982769
458	3253	3257	4	1.000151951	0.9018649226	0.9309543943	0.6178820377	1.51234864	0.8932227304
459	3257	3259	2	1.000075894	0.9018098041	0.9308933845	0.6179580947	1.512403758	0.8932837402
460	3259	3271	12	1.000454354	0.9021578041	0.9312505524	0.6175796348	1.512055758	0.8929265723
461	3271	3299	28	1.001053231	0.9027381216	0.9318372771	0.6169807575	1.511475441	0.8923398476
462	3299	3301	2	1.00007481	0.9019489914	0.9309942337	0.6179591791	1.512264571	0.893182891
463	3301	3307	6	1.00022414	0.9020902911	0.9311380607	0.6178098484	1.512123271	0.893039064
464	3307	3313	6	1.000223684	0.9021097132	0.9311520482	0.6178103048	1.512103849	0.8930250765
465	3313	3319	6	1.000223229	0.9021290929	0.9311660052	0.6178107595	1.51208447	0.8930111195
466	3319	3323	4	1.000148562	0.9020814931	0.9311108406	0.6178854265	1.512132069	0.8930662841
467	3323	3329	6	1.000222475	0.9021612986	0.9311891995	0.6178115133	1.512052264	0.8929879252
468	3329	3331	2	1.000074053	0.9020470978	0.9310653139	0.6179599359	1.512166465	0.8931118108
469	3331	3343	12	1.000443353	0.9023867488	0.93141389	0.6175906358	1.511826814	0.8927632347
470	3343	3347	4	1.000147365	0.9021589574	0.9311667978	0.6178866234	1.512054605	0.8930103269
471	3347	3359	12	1.000440977	0.90243683	0.9314496245	0.6175930119	1.511776732	0.8927275002
472	3359	3361	2	1.000073311	0.9021441348	0.9311356164	0.6179606781	1.512069428	0.8930415083
473	3361	3371	10	1.000365873	0.9024145267	0.9314127184	0.6176681156	1.511799036	0.8927644063
474	3371	3373	2	1.000073018	0.9021826549	0.9311635231	0.6179609711	1.512030907	0.8930136016
475	3373	3389	16	1.000582545	0.9026487588	0.9316426286	0.6174514439	1.511564804	0.8925344961
476	3389	3391	2	1.000072582	0.9022401235	0.9312051566	0.6179614064	1.511973439	0.8929719681
477	3391	3407	16	1.00057908	0.9027034823	0.9316814324	0.6174549083	1.51151008	0.8924956923
478	3407	3413	6	1.000216329	0.9024273033	0.9313807758	0.6178176597	1.511786259	0.8927963489
479	3413	3433	20	1.000718205	0.9028992039	0.9318619826	0.617315784	1.511314358	0.8923151421
480	3433	3449	16	1.000571147	0.9028298577	0.9317710564	0.6174628413	1.511383705	0.8924060683
481	3449	3457	8	1.000284418	0.902621469	0.9315406063	0.6177495703	1.511592093	0.8926365184
482	3457	3461	4	1.000141922	0.9025179405	0.9314261038	0.6178920666	1.511695622	0.8927510209
483	3461	3463	2	1.00007089	0.9024663415	0.931369032	0.6179630992	1.511747221	0.8928080927
484	3463	3467	4	1.000141646	0.9025364364	0.9314394636	0.6178923425	1.511677126	0.8927376611
485	3467	3469	2	1.000070752	0.9024849344	0.9313825002	0.6179632369	1.511728628	0.8927946245
486	3469	3491	22	1.000775534	0.9031271794	0.9320434045	0.6172584547	1.511086383	0.8921337202
487	3491	3499	8	1.000280584	0.9027487815	0.9316320296	0.6177534051	1.511464781	0.8925450951
488	3499	3511	12	1.000419557	0.9028988992	0.931779403	0.6176144316	1.511314663	0.8923977217
489	3511	3517	6	1.000209153	0.9027459109	0.9316102418	0.6178248354	1.511467651	0.8925668829
490	3517	3527	10	1.000347725	0.9028893768	0.9317526721	0.6176862642	1.511324186	0.8924244526
491	3527	3529	2	1.000069402	0.902668739	0.9315156381	0.6179645863	1.511544823	0.8926614866
492	3529	3533	4	1.000138677	0.9027373685	0.931584596	0.6178953114	1.511476194	0.8925925287
493	3533	3539	6	1.000207693	0.9028118542	0.9316577358	0.6178262956	1.511401708	0.8925193889
494	3539	3541	2	1.000069138	0.9027050441	0.9315419342	0.6179648503	1.511508518	0.8926351905
495	3541	3547	6	1.000207167	0.9028357112	0.9316749182	0.6178268218	1.511377851	0.8925022065
496	3547	3557	10	1.000344429	0.9029778185	0.9318159998	0.6176895593	1.511235744	0.8923611249
497	3557	3559	2	1.000068746	0.9027592222	0.9315811752	0.6179652427	1.51145434	0.8925959495
498	3559	3571	12	1.000411638	0.9030747904	0.9319049722	0.6176223506	1.511138772	0.8922721525
499	3571	3581	10	1.000341836	0.9030479327	0.9318662067	0.6176921529	1.51116563	0.892310918
500	3581	3583	2	1.000068229	0.9028309437	0.9316331214	0.6179657595	1.511382619	0.8925440033
501	3583	3593	10	1.000340553	0.9030827797	0.9318911605	0.6176934359	1.511130783	0.8922859642
502	3593	3607	14	1.000475023	0.9032340723	0.9320381412	0.6175589654	1.51097949	0.8921389835
503	3607	3613	6	1.000202921	0.9030300897	0.9318149155	0.6178310679	1.511183473	0.8923622092
504	3613	3617	4	1.000135066	0.9029866254	0.9317646254	0.6178989227	1.511226937	0.8924124993
505	3617	3623	6	1.000202292	0.9030591676	0.9318358584	0.6178316968	1.511154395	0.8923412663
506	3623	3631	8	1.000269148	0.9031372706	0.9319110274	0.6177648411	1.511076292	0.8922660973
507	3631	3637	6	1.000201418	0.9030997145	0.9318650617	0.6178325711	1.511113848	0.892312063
508	3637	3643	6	1.000201045	0.9031170342	0.931877536	0.6178329436	1.511096528	0.8922995887
509	3643	3659	16	1.000534398	0.9034356571	0.9322009176	0.6174995903	1.510777905	0.8919762071
510	3659	3671	12	1.000399054	0.9033602725	0.9321088188	0.6176349345	1.51085329	0.8920683059

511	3671	3673	2	1.000066356	0.903094789	0.9318242046	0.617967633	1.511118773	0.8923529201
512	3673	3677	4	1.000132594	0.9031604155	0.9318901425	0.6179013944	1.511053147	0.8922869822
513	3677	3691	14	1.000462886	0.9034702956	0.9322063297	0.6175711032	1.510743267	0.891970795
514	3691	3697	6	1.000197751	0.9032713812	0.9319887027	0.617836238	1.510942181	0.892188422
515	3697	3701	4	1.00013163	0.9032289732	0.9319396561	0.6179023592	1.510984589	0.8922374686
516	3701	3709	8	1.000262798	0.9033589526	0.9320702455	0.6177711904	1.51085461	0.8921068792
517	3709	3719	10	1.000327616	0.9034404857	0.9321473402	0.6177063729	1.510773077	0.8920297845
518	3719	3727	8	1.000261373	0.9034093163	0.9321064195	0.6177726154	1.510804246	0.8920707052
519	3727	3733	6	1.000195611	0.903372778	0.9320617329	0.6178383778	1.510840784	0.8921153918
520	3733	3739	6	1.000195259	0.9033895629	0.9320738222	0.6178387301	1.510823999	0.8921033025
521	3739	3761	22	1.000713138	0.903874397	0.9325688294	0.6173208506	1.510339165	0.8916082953
522	3761	3767	6	1.00019363	0.9034674657	0.9321299313	0.6178403585	1.510746097	0.8920471934
523	3767	3769	2	1.000064462	0.9033677021	0.9320218319	0.6179695264	1.51084586	0.8921552928
524	3769	3779	10	1.000321779	0.9036057704	0.9322657297	0.6177122098	1.510607792	0.891911395
525	3779	3793	14	1.000448919	0.9037487251	0.932404625	0.6175850702	1.510464837	0.8917724997
526	3793	3797	4	1.000127901	0.9034979219	0.9321338886	0.617906088	1.51071564	0.8920432361
527	3797	3803	6	1.000191574	0.9035666077	0.9322013379	0.6178424146	1.510646955	0.8919757868
528	3803	3821	18	1.000572804	0.9039277348	0.9325687955	0.6174611843	1.510285828	0.8916083292
529	3821	3823	2	1.000063442	0.9035175318	0.9321303196	0.6179705468	1.510696031	0.8920468051
530	3823	3833	10	1.000316693	0.9037518686	0.9323703851	0.6177172961	1.510461694	0.8918067396
531	3833	3847	14	1.000441845	0.9038925638	0.9325070891	0.6175921442	1.510320999	0.8916700356
532	3847	3851	4	1.00012589	0.9036456165	0.9322405477	0.6179080984	1.510567946	0.891936577
533	3851	3853	2	1.000062888	0.9035996644	0.9321897866	0.6179711005	1.510613898	0.8919873381
534	3853	3863	10	1.000313933	0.9038319761	0.9324277723	0.6177200562	1.510381586	0.8917493524
535	3863	3877	14	1.000438006	0.903971445	0.9325632871	0.6175959832	1.510242117	0.8916138376
536	3877	3881	4	1.000124799	0.9037265911	0.9322990228	0.6179091895	1.510486971	0.8918781019
537	3881	3889	8	1.000249182	0.9038498561	0.9324228609	0.6177848067	1.510363706	0.8917542638
538	3889	3907	18	1.000558651	0.904151208	0.9327271016	0.6174753373	1.510062354	0.8914500231
539	3907	3911	4	1.000123726	0.9038068123	0.9323569529	0.6179102627	1.51040675	0.8918201718
540	3911	3917	6	1.000185329	0.9038732514	0.9324221978	0.6178486596	1.510340311	0.8917549269
541	3917	3919	2	1.000061702	0.9037776547	0.9323186506	0.6179722869	1.510435908	0.8918584741
542	3919	3923	4	1.000123302	0.9038386928	0.9323799745	0.617910687	1.51037487	0.8917971502
543	3923	3929	6	1.000184694	0.9039049035	0.9324449952	0.6178492945	1.510308659	0.8917321295
544	3929	3931	2	1.000061491	0.9038096257	0.9323417963	0.617972498	1.510403937	0.8918353284
545	3931	3943	12	1.000368266	0.9040922253	0.9326316812	0.6176657228	1.510121337	0.8915454435
546	3943	3947	4	1.000122461	0.9039021014	0.9324257626	0.6179115275	1.510311461	0.8917513621
547	3947	3967	20	1.000610376	0.904353728	0.9328883829	0.617423613	1.509859834	0.8912887418
548	3967	3989	22	1.000667462	0.904458397	0.9329801238	0.617366527	1.509755165	0.8911970009
549	3989	4001	12	1.000362278	0.9042405446	0.9327376674	0.6176717104	1.509973018	0.8914394573
550	4001	4003	2	1.000060252	0.9039989963	0.9324788865	0.6179737365	1.510214566	0.8916982382
551	4003	4007	4	1.000120407	0.9040586048	0.9325387729	0.6179135818	1.510154958	0.8916383518
552	4007	4013	6	1.000180364	0.9041232575	0.932602265	0.6178536252	1.510090305	0.8915748597
553	4013	4019	6	1.000180062	0.9041386433	0.9326133467	0.6178539271	1.510074919	0.891563778
554	4019	4021	2	1.00005995	0.9040456937	0.9325126902	0.6179740387	1.510167869	0.8916644345
555	4021	4027	6	1.000179661	0.9041591148	0.9326280912	0.6178543282	1.510054448	0.8915490335
556	4027	4049	22	1.000656355	0.9046056447	0.9330839101	0.6173776339	1.509607918	0.8910932146
557	4049	4051	2	1.000059453	0.904122962	0.9325686221	0.6179745361	1.5100906	0.8916085026
558	4051	4057	6	1.000178171	0.9042354488	0.9326830709	0.6178558173	1.509978114	0.8914940538
559	4057	4073	16	1.000473754	0.9045181342	0.9329699225	0.6175602345	1.509695428	0.8912072022
560	4073	4079	6	1.000177094	0.9042909966	0.9327230792	0.6178568945	1.509922566	0.8914540455
561	4079	4091	12	1.000353346	0.9044657042	0.9328985842	0.6176806429	1.509747858	0.8912785405
562	4091	4093	2	1.000058769	0.9042299791	0.9326460851	0.6179752193	1.509983583	0.8915310396
563	4093	4099	6	1.000176126	0.9043411825	0.9327592256	0.617857863	1.50987238	0.8914178991
564	4099	4111	12	1.000351418	0.90451494	0.9329337755	0.6176825712	1.509698622	0.8912433492
565	4111	4127	16	1.0004668	0.9046497148	0.9330634726	0.6175671884	1.509563848	0.8911136521
566	4127	4129	2	1.000058196	0.9043206533	0.9327117156	0.6179757932	1.509892909	0.8914654091
567	4129	4133	4	1.0001163	0.9043782333	0.9327695624	0.6179176888	1.509835329	0.8914075623
568	4133	4139	6	1.000174219	0.9044406758	0.9328308856	0.61785977	1.509772887	0.8913462391
569	4139	4153	14	1.00040546	0.9046648662	0.9330574999	0.6176285292	1.509548696	0.8911196248
570	4153	4157	4	1.000115548	0.9044377803	0.9328125566	0.6179184411	1.509775782	0.8913645681
571	4157	4159	2	1.000057725	0.9043954859	0.9327658778	0.6179762633	1.509818077	0.8914112469
572	4159	4177	18	1.000518254	0.9048169575	0.9331990426	0.6175157349	1.509396605	0.8909780821
573	4177	4201	24	1.000687186	0.9050145708	0.9333891388	0.6173468031	1.509198992	0.8907879859
574	4201	4211	10	1.000284974	0.9047102113	0.9330570674	0.6177490151	1.509503351	0.8911200573

575	4211	4217	6	1.000170611	0.9046314005	0.9329682546	0.6178633779	1.509582162	0.8912088701
576	4217	4219	2	1.000056807	0.9045432062	0.9328727891	0.6179771821	1.509670356	0.8913043356
577	4219	4229	10	1.000283614	0.9047532599	0.9330879201	0.6177503749	1.509460302	0.8910892046
578	4229	4231	2	1.000056626	0.9045724447	0.9328939494	0.6179773625	1.509641118	0.8912831753
579	4231	4241	10	1.000282714	0.9047818376	0.933108402	0.6177512745	1.509431725	0.8910687227
580	4241	4243	2	1.000056447	0.9046015828	0.9329150368	0.6179775419	1.509611198	0.8912620879
581	4243	4253	10	1.00028182	0.9048103189	0.933128815	0.6177521687	1.509403243	0.8910483097
582	4253	4259	6	1.000168727	0.9047323484	0.9330409619	0.6178652622	1.509481214	0.8911361628
583	4259	4261	2	1.00005618	0.9046451033	0.9329465321	0.6179778089	1.509568459	0.8912305926
584	4261	4271	10	1.000280489	0.9048528614	0.9331593064	0.61775535	1.509360701	0.8910178183
585	4271	4273	2	1.000056603	0.9046739933	0.9329674392	0.6179779855	1.509539569	0.8912096855
586	4273	4283	10	1.000279608	0.9048811043	0.9331795492	0.6177543809	1.509332458	0.8909975755
587	4283	4289	6	1.000167405	0.9048037236	0.9330923694	0.617866584	1.509409839	0.8910847553
588	4289	4297	8	1.000222805	0.9048682824	0.9331545289	0.6178111837	1.50934528	0.8910225958
589	4297	4327	30	1.000831655	0.9054383169	0.9337365005	0.6172023334	1.508775245	0.8904406242
590	4327	4337	10	1.000275708	0.9050070383	0.9332698138	0.6177582804	1.509206524	0.8909073109
591	4337	4339	2	1.00005505	0.9048311497	0.9330811653	0.6179789386	1.509382413	0.8910959594
592	4339	4349	10	1.000274856	0.9050347695	0.9332896911	0.617759133	1.509178793	0.8908874336
593	4349	4357	8	1.00021937	0.9050082441	0.9332550937	0.6178146191	1.509205318	0.890922031
594	4357	4363	6	1.000164227	0.904977244	0.9332173457	0.6178697617	1.509236318	0.890959779
595	4363	4373	10	1.000273166	0.9050899587	0.9333292505	0.6177608231	1.509123604	0.8908478742
596	4373	4391	18	1.000489994	0.9053096801	0.9335486297	0.6175439948	1.508903882	0.890628495
597	4391	4397	6	1.000162805	0.9050557866	0.933273915	0.6178711835	1.509157776	0.8909032097
598	4397	4409	12	1.000324892	0.9052164722	0.9334353235	0.6177090965	1.50899709	0.8907418012
599	4409	4421	12	1.000323904	0.9052435317	0.9334546739	0.6177100848	1.508970031	0.8907224508
600	4421	4423	2	1.000053881	0.9050270283	0.9332229012	0.6179801077	1.509186534	0.8909542235
601	4423	4441	18	1.00048381	0.90542074	0.9336274605	0.6175501789	1.508792822	0.8905496642
602	4441	4447	6	1.000160757	0.9051699729	0.9333561558	0.6178732322	1.509043589	0.8908209689
603	4447	4451	4	1.000107033	0.9051351695	0.933316041	0.6179269554	1.509078393	0.8908610837
604	4451	4457	6	1.000160353	0.9051926249	0.9333724705	0.6178736361	1.509020937	0.8908046542
605	4457	4463	6	1.000160111	0.9052061868	0.9333822382	0.6178738775	1.509007376	0.8907948865
606	4463	4481	18	1.000478969	0.9055085346	0.9336897862	0.61755502	1.508705028	0.8904873385
607	4481	4483	2	1.000053075	0.9051642029	0.9333221518	0.6179809142	1.509049359	0.8908549729
608	4483	4493	10	1.000265004	0.9053605827	0.9335232456	0.6177689849	1.50885298	0.8906538791
609	4493	4507	14	1.000369918	0.9054783035	0.9336376639	0.6176640706	1.508735259	0.8905394608
610	4507	4513	6	1.000158126	0.9053183566	0.933463026	0.6178758625	1.508895206	0.8907140987
611	4513	4517	4	1.000105284	0.9052840971	0.9334235486	0.6179287047	1.508929465	0.8907535761
612	4517	4519	2	1.000052602	0.9052454448	0.9333809301	0.6179813872	1.508968118	0.8907961946
613	4519	4523	4	1.000105128	0.9052975056	0.9334332278	0.617928861	1.508916057	0.8907438969
614	4523	4547	24	1.000628755	0.9057805199	0.9339284917	0.6174052341	1.508433043	0.890248633
615	4547	4549	2	1.000052214	0.9053125499	0.9334294789	0.6179817752	1.508901012	0.8907476458
616	4549	4561	12	1.000312783	0.9055529138	0.9336759374	0.6177212053	1.508660649	0.8905011873
617	4561	4567	6	1.000156034	0.9054378335	0.9335490761	0.6178779543	1.508775729	0.8906280486
618	4567	4583	16	1.000415027	0.9056856798	0.9338005226	0.6176189618	1.508527883	0.8903766021
619	4583	4591	8	1.000206885	0.9055328181	0.9336320303	0.6178271042	1.508680744	0.8905450944
620	4591	4597	6	1.000154895	0.9055034779	0.9335963546	0.6178790938	1.508710084	0.8905807701
621	4597	4603	6	1.000154669	0.905516545	0.9336057657	0.6178793198	1.508697017	0.890571359
622	4603	4621	18	1.000462729	0.9058087097	0.9339029372	0.6175712602	1.508404853	0.8902741875
623	4621	4637	16	1.000409614	0.9058002569	0.9338820925	0.6176243747	1.508413305	0.8902950322
624	4637	4639	2	1.000051081	0.9055106937	0.933572822	0.6179829073	1.508702869	0.8906043027
625	4639	4643	4	1.000102092	0.9055612544	0.9336236113	0.6179318971	1.508652308	0.8905535134
626	4643	4649	6	1.000152957	0.9056160505	0.9336774311	0.6178810318	1.508597512	0.8904996936
627	4649	4651	2	1.000050934	0.9055367611	0.9335916789	0.6179830547	1.508676801	0.8905854458
628	4651	4657	6	1.000152663	0.9056332349	0.9336898076	0.6178813258	1.508580327	0.8904873171
629	4657	4663	6	1.000152443	0.9056461	0.9336990731	0.6178815456	1.508567462	0.8904780516
630	4663	4673	10	1.000253598	0.9057507415	0.9338029637	0.6177803909	1.508462821	0.890374161
631	4673	4679	6	1.00015186	0.9056803098	0.9337237114	0.6178821289	1.508533253	0.8904534133
632	4679	4691	12	1.00030309	0.905830247	0.9338743153	0.6177308985	1.508383315	0.8903028094
633	4691	4703	12	1.000302224	0.9058553852	0.9338922984	0.6177317644	1.508358177	0.8902848263
634	4703	4721	18	1.000451757	0.9060166452	0.9340506394	0.6175822316	1.508196917	0.8901264853
635	4721	4723	2	1.000050066	0.9056914744	0.9337035924	0.6179839225	1.508522088	0.8904735323
636	4723	4729	6	1.000150064	0.9057863158	0.9338000576	0.6178839246	1.508427247	0.8903770671
637	4729	4733	4	1.000099922	0.9057537267	0.9337625364	0.6179340667	1.508459836	0.8904145883
638	4733	4751	18	1.000448562	0.9060780171	0.9340942411	0.6175854269	1.508135545	0.8900828836

639	4751	4759	8	1.000198726	0.9058900611	0.9338887473	0.6178352623	1.508323501	0.8902883774
640	4759	4783	24	1.000594063	0.9062650995	0.9342701808	0.6174399257	1.507948463	0.8899069439
641	4783	4787	4	1.000098662	0.9058671036	0.9338443676	0.6179353267	1.508346459	0.8903327571
642	4787	4789	2	1.000049295	0.9058308082	0.9338043741	0.6179846935	1.508382754	0.8903727506
643	4789	4793	4	1.000098524	0.9058796058	0.933853391	0.6179354649	1.508333957	0.8903237337
644	4793	4799	6	1.000147617	0.905932482	0.9339053266	0.6178863716	1.50828108	0.8902717981
645	4799	4801	2	1.000049157	0.905855892	0.9338225168	0.6179848313	1.50835767	0.8903546079
646	4801	4813	12	1.000294501	0.9060823219	0.9340546534	0.6177394878	1.50813124	0.8901224713
647	4813	4817	4	1.000097975	0.9059294264	0.9338893487	0.6179360138	1.508284136	0.8902877776
648	4817	4831	14	1.000342239	0.9061590497	0.9341235005	0.6176917494	1.508054513	0.8900536242
649	4831	4861	30	1.000729793	0.9065393153	0.9345065633	0.617304196	1.507674247	0.8896705614
650	4861	4871	10	1.000242087	0.9061597115	0.9340962098	0.6177919017	1.508053851	0.8900809149
651	4871	4877	6	1.000144979	0.9060923644	0.9340204725	0.6178890101	1.508121198	0.8901566522
652	4877	4889	12	1.000289381	0.9062355408	0.9341642807	0.6177446077	1.507978022	0.890012844
653	4889	4903	14	1.000336617	0.9063029887	0.9342262609	0.6176973713	1.507910574	0.8899508638
654	4903	4909	6	1.000143922	0.9061570706	0.934067073	0.6178900667	1.508056492	0.8901100517
655	4909	4919	10	1.000239445	0.9062558723	0.9341651664	0.6177945436	1.50795769	0.8900119583
656	4919	4931	12	1.000286624	0.906319004	0.934224002	0.6177473649	1.507894558	0.8899531227
657	4931	4933	2	1.000047689	0.906126906	0.934018523	0.6179862996	1.508086656	0.8901586017
658	4933	4937	4	1.000095316	0.9061741181	0.934065946	0.617938673	1.508039444	0.8901111787
659	4937	4943	6	1.000142815	0.906225268	0.9341161874	0.6178911734	1.507988294	0.8900609373
660	4943	4951	8	1.000190124	0.9062802864	0.9341691791	0.6178438649	1.507933276	0.8900079456
661	4951	4957	6	1.000142364	0.9062531857	0.9341362931	0.6178916244	1.507960377	0.8900408316
662	4957	4967	10	1.000236858	0.9063509197	0.9342333266	0.617797131	1.507862643	0.8899437981
663	4967	4969	2	1.000047303	0.9061992995	0.9340708761	0.6179866856	1.508014263	0.8901062486
664	4969	4973	4	1.000094545	0.9062461305	0.934117916	0.6179394441	1.507967432	0.8900592087
665	4973	4987	14	1.000330277	0.9064677835	0.9343439243	0.6177037115	1.507745779	0.8898332004
666	4987	4993	6	1.000141217	0.9063245412	0.9341876814	0.6178927717	1.507889021	0.8899894433
667	4993	4999	6	1.000141028	0.9063363736	0.9341962028	0.6178929612	1.507877189	0.8899809219
668	4999	5003	4	1.000093911	0.9063056625	0.9341608783	0.6179400777	1.5079079	0.8900162464
669	5003	5009	6	1.000140713	0.9063560566	0.9342103779	0.617893276	1.507857506	0.8899667468
670	5009	5011	2	1.00004686	0.9062829613	0.9341313759	0.6179871286	1.507930601	0.8900457488
671	5011	5021	10	1.00023401	0.9064565463	0.9343090757	0.6177999789	1.507757016	0.889868049
672	5021	5023	2	1.000046735	0.9063067091	0.9341485486	0.6179872537	1.507906853	0.8900285761
673	5023	5039	16	1.000373195	0.9066065393	0.9344563738	0.617660794	1.507607023	0.8897207509
674	5039	5051	12	1.000279015	0.9065528868	0.9343913686	0.6177549736	1.507660676	0.8897857561
675	5051	5059	8	1.00018559	0.9064919083	0.9343212642	0.6178483985	1.507721654	0.8898558605
676	5059	5077	18	1.00041643	0.9067168846	0.9345483222	0.6176175587	1.507496678	0.8896288025
677	5077	5081	4	1.000092301	0.9064584536	0.9342711393	0.6179416877	1.507755109	0.8899059854
678	5081	5087	6	1.000138303	0.9065079814	0.9343197886	0.6178956861	1.507705581	0.8898573361
679	5087	5099	12	1.000276078	0.9066445962	0.9344570014	0.6177579103	1.507568966	0.8897201233
680	5099	5101	2	1.000045937	0.9064594161	0.9342589709	0.6179880515	1.507754146	0.8899181538
681	5101	5107	6	1.000137697	0.9065464861	0.9343475181	0.6178962914	1.507667076	0.8898296066
682	5107	5113	6	1.000137517	0.9065580023	0.9343558114	0.617896472	1.50765556	0.8898213133
683	5113	5119	6	1.000137337	0.9065695022	0.9343640931	0.6178966522	1.50764406	0.8898130316
684	5119	5147	28	1.000638695	0.9070356086	0.9348409225	0.6173952936	1.507177954	0.8893362022
685	5147	5153	6	1.000136324	0.9066343639	0.9344108034	0.6178976647	1.507579198	0.8897663213
686	5153	5167	14	1.00031743	0.9068100939	0.9345883792	0.6177165588	1.507403468	0.8895887455
687	5167	5171	4	1.000090508	0.9066312773	0.9343958507	0.6179434812	1.507582285	0.889781274
688	5171	5179	8	1.000180789	0.9067207901	0.9344857569	0.6178531998	1.507492772	0.8896913678
689	5179	5189	10	1.000225553	0.9067766872	0.9345386763	0.6178084357	1.507436875	0.8896384484
690	5189	5197	8	1.000180089	0.9067545745	0.9345100374	0.6178538996	1.507458988	0.8896670873
691	5197	5209	12	1.000269566	0.9068509457	0.9346046884	0.6177644227	1.507362617	0.8895724363
692	5209	5227	18	1.000403078	0.9069948168	0.934745973	0.6176309105	1.507218746	0.8894311517
693	5227	5231	4	1.000089348	0.9067444923	0.9344775445	0.6179446403	1.50746907	0.8896995802
694	5231	5233	2	1.000044645	0.9067115218	0.9344412505	0.6179893442	1.507502041	0.8897358742
695	5233	5237	4	1.000089234	0.9067557277	0.9344856516	0.6179447547	1.507457835	0.8896914731
696	5237	5261	24	1.000533929	0.9071664759	0.934906648	0.6175000593	1.507047086	0.8892704767
697	5261	5273	12	1.00026591	0.9069686331	0.9346889255	0.6177680787	1.507244929	0.8894881992
698	5273	5279	6	1.000132693	0.9068703277	0.9345807301	0.6179012958	1.507343235	0.8895963946
699	5279	5281	2	1.000044192	0.9068012981	0.9345061559	0.6179897972	1.507412264	0.8896709688
700	5281	5297	16	1.000352916	0.9070849746	0.934797355	0.6176810729	1.507128588	0.8893797697
701	5297	5303	6	1.000132022	0.9069145066	0.9346125445	0.6179019667	1.507299056	0.8895645802
702	5303	5309	6	1.000131855	0.9069255138	0.9346204711	0.6179021334	1.507288049	0.8895566536

703	5309	5323	14	1.000307043	0.9070955204	0.9347922565	0.6177269453	1.507118042	0.8893848682
704	5323	5333	10	1.000218756	0.907041403	0.9347285424	0.6178152332	1.507172159	0.8894485823
705	5333	5347	14	1.000305503	0.9071385514	0.9348229965	0.6177284859	1.507075011	0.8893541282
706	5347	5351	4	1.000087113	0.906966301	0.9346375891	0.6179468757	1.507247261	0.8895395356
707	5351	5381	30	1.000651223	0.9074852451	0.9351701122	0.6173827662	1.506728317	0.8890070125
708	5381	5387	6	1.000129724	0.9070672629	0.9347225472	0.6179042645	1.507146299	0.8894545775
709	5387	5393	6	1.000129563	0.9070780645	0.9347303256	0.6179044257	1.507135498	0.8894467991
710	5393	5399	6	1.000129402	0.9070888517	0.9347380936	0.6179045865	1.507124711	0.8894390311
711	5399	5407	8	1.00017229	0.9071386689	0.9347860856	0.6178616983	1.507074893	0.8893910391
712	5407	5413	6	1.000129028	0.9071139659	0.9347561786	0.6179049603	1.507099596	0.8894209461
713	5413	5417	4	1.000085928	0.907085758	0.9347237781	0.6179480603	1.507127804	0.8894533466
714	5417	5419	2	1.000042937	0.9070540116	0.9346888449	0.617991052	1.507159551	0.8894882798
715	5419	5431	12	1.000257277	0.9072520435	0.934891801	0.6177767117	1.506961519	0.8892853237
716	5431	5437	6	1.000128392	0.9071568381	0.9347870511	0.6179055963	1.507056724	0.8893900736
717	5437	5441	4	1.000085505	0.9071287632	0.9347548058	0.6179484835	1.507084799	0.8894223189
718	5441	5443	2	1.000042725	0.9070971683	0.9347200411	0.6179912633	1.507116394	0.8894570836
719	5443	5449	6	1.000128077	0.9071781891	0.934802426	0.6179059121	1.507035373	0.8893746987
720	5449	5471	22	1.000468351	0.9074976396	0.9351282963	0.617565638	1.506715923	0.8890488284
721	5471	5477	6	1.000127346	0.9072277894	0.9348381431	0.6179066432	1.506985773	0.8893389816
722	5477	5479	2	1.000042412	0.9071614745	0.9347665241	0.6179915766	1.507052088	0.8894106006
723	5479	5483	4	1.000084774	0.9072034755	0.9348087089	0.6179492145	1.507010087	0.8893684158
724	5483	5501	18	1.000380688	0.907479051	0.9350904818	0.6176533008	1.506734511	0.8890866429
725	5501	5503	2	1.000042206	0.9072040625	0.9347973076	0.6179917831	1.5070095	0.8893798171
726	5503	5507	4	1.000084362	0.9072458597	0.9348392875	0.617949627	1.506967703	0.8893378372
727	5507	5519	12	1.000252697	0.9074056738	0.935001786	0.6177812919	1.506807889	0.8891753387
728	5519	5521	2	1.000042052	0.9072358567	0.9348202887	0.6179919367	1.506977706	0.889356836
729	5521	5527	6	1.00012606	0.9073156089	0.9349013813	0.6179079291	1.506897954	0.8892757434
730	5527	5531	4	1.000083953	0.9072880221	0.9348697056	0.6179500356	1.50692554	0.8893074191
731	5531	5557	26	1.000544175	0.9077126107	0.9353050364	0.6174889142	1.506500952	0.8888720883
732	5557	5563	6	1.000125149	0.9073782506	0.9349464888	0.6179088397	1.506835312	0.8892306359
733	5563	5569	6	1.000124998	0.9073886436	0.9349539726	0.6179089903	1.506824919	0.8892231521
734	5569	5573	4	1.000083247	0.9073612791	0.9349225561	0.6179507416	1.506852283	0.8892545686
735	5573	5581	8	1.000166301	0.9074436362	0.9350052699	0.6178676875	1.506769926	0.8891718548
736	5581	5591	10	1.000207507	0.9074950109	0.9350539204	0.6178264815	1.506718552	0.8891232043
737	5591	5623	32	1.0006614	0.9079242911	0.9354908895	0.6173725883	1.506289271	0.8886862352
738	5623	5639	16	1.000329072	0.907678362	0.9352204634	0.6177049163	1.5065352	0.8889566613
739	5639	5641	2	1.000041055	0.9074446694	0.9349712111	0.6179929339	1.506768893	0.8892059136
740	5641	5647	6	1.000123072	0.9075225423	0.9350503896	0.6179109165	1.50669102	0.8891267351
741	5647	5651	4	1.000081965	0.9074955813	0.9350194438	0.6179520233	1.506717981	0.8891576809
742	5651	5653	2	1.000040958	0.9074652554	0.9349860892	0.6179930311	1.506748307	0.8891910355
743	5653	5657	4	1.000081868	0.9075058198	0.9350268298	0.6179521203	1.506707743	0.8891502949
744	5657	5659	2	1.000040909	0.9074755287	0.9349935138	0.6179930796	1.506738034	0.8891836109
745	5659	5669	10	1.000204321	0.9076272514	0.9351487847	0.6178296679	1.506586311	0.889028234
746	5669	5683	14	1.000285386	0.9077179764	0.9352370037	0.6177486025	1.506495586	0.888940121
747	5683	5689	6	1.000122058	0.9075937257	0.9351016463	0.6179119304	1.506619837	0.8890754784
748	5689	5693	4	1.000081291	0.9075669773	0.9350709483	0.6179526979	1.506646585	0.8891061764
749	5693	5701	8	1.000162397	0.9076474058	0.9351517237	0.6178715915	1.506566157	0.889025401
750	5701	5711	10	1.000202644	0.9076975622	0.9351992241	0.6178313452	1.506516	0.8889779006
751	5711	5717	6	1.000121391	0.907640832	0.9351355656	0.6179125975	1.50657273	0.8890415591
752	5717	5737	20	1.00040367	0.907907199	0.9354068802	0.6176303183	1.506306363	0.8887702445
753	5737	5741	4	1.000080533	0.9076478008	0.9351292523	0.6179534561	1.506565762	0.8890478724
754	5741	5743	2	1.000040242	0.9076179891	0.9350964688	0.6179937467	1.506595573	0.8890806559
755	5743	5749	6	1.000120637	0.90769433	0.935174087	0.6179133514	1.506519232	0.8890030377
756	5749	5779	30	1.000601232	0.9081406336	0.935630801	0.6174327571	1.506072929	0.8885463237
757	5779	5783	4	1.00007988	0.9077178573	0.9351797881	0.6179541085	1.506495705	0.8889973366
758	5783	5791	8	1.000159582	0.907796895	0.9352591656	0.6178744066	1.506416667	0.8889179591
759	5791	5801	10	1.000199136	0.9078461731	0.9353058368	0.6178348525	1.506367389	0.8888712879
760	5801	5807	6	1.000119293	0.9077903908	0.935243255	0.6179146955	1.506423172	0.8889338697
761	5807	5813	6	1.000119156	0.9078002624	0.935250363	0.6179148329	1.5064133	0.8889267617
762	5813	5821	8	1.000158664	0.9078461082	0.9352945366	0.6178753243	1.506367454	0.8888825881
763	5821	5827	6	1.000118836	0.9078232487	0.9352669139	0.6179151523	1.506390314	0.8889102108
764	5827	5839	12	1.000237278	0.9079407159	0.9353848823	0.6177967108	1.506272846	0.8887922424
765	5839	5843	4	1.000078966	0.9078168834	0.9352512193	0.6179550232	1.506396679	0.8889259054
766	5843	5849	6	1.000118338	0.9078592365	0.9352928264	0.617915651	1.506354326	0.8888842983

767	5849	5851	2	1.000039414	0.9077975023	0.9352261913	0.6179945745	1.50641606	0.8889509334
768	5851	5857	6	1.000118157	0.9078722827	0.9353022201	0.6179158314	1.50634128	0.8888749046
769	5857	5861	4	1.000078695	0.907846353	0.9352724763	0.6179552937	1.506367209	0.8889046484
770	5861	5867	6	1.000117933	0.9078885605	0.9353139406	0.6179160561	1.506325002	0.8888631841
771	5867	5869	2	1.000039279	0.9078270326	0.9352475298	0.6179947093	1.50638653	0.8889295949
772	5869	5879	10	1.000196189	0.9079727622	0.9353966536	0.6178377998	1.5062408	0.8887804711
773	5879	5881	2	1.00003919	0.9078466588	0.9352617115	0.6179947987	1.506366904	0.8889154132
774	5881	5897	16	1.000313029	0.9080985338	0.9355201875	0.6177209595	1.506115029	0.8886569372
775	5897	5903	6	1.00011713	0.9079468862	0.9353559366	0.6179168584	1.506266676	0.8888211881
776	5903	5923	20	1.000389531	0.9082039851	0.9356177936	0.6176444578	1.506009577	0.8885593311
777	5923	5927	4	1.000077718	0.9079534841	0.9353497506	0.6179562707	1.506260078	0.8888273741
778	5927	5939	12	1.000232822	0.9081008008	0.9354995209	0.617801167	1.506112762	0.8886776038
779	5939	5953	14	1.000270968	0.908154905	0.9355492922	0.6177630203	1.506058657	0.8886278325
780	5953	5981	28	1.000539884	0.9084217183	0.9358172109	0.6174941047	1.505791844	0.8883599138
781	5981	5987	6	1.000115298	0.9080813365	0.9354527427	0.6179186904	1.506132226	0.888724382
782	5987	6007	20	1.000383451	0.9083344491	0.9357105323	0.617650538	1.505879113	0.8884665924
783	6007	6011	4	1.000076508	0.9080877765	0.9354466126	0.6179574812	1.506125786	0.8887305121
784	6011	6029	18	1.000343629	0.9083367194	0.9357010974	0.6176903597	1.505876843	0.8884760273
785	6029	6037	8	1.000152342	0.9081917203	0.9355429388	0.6178816463	1.506021842	0.8886341859
786	6037	6043	6	1.000114107	0.9081697197	0.9355163787	0.6179198817	1.506043843	0.888660746
787	6043	6047	4	1.000076	0.9081446414	0.9354876267	0.617957989	1.506068921	0.888689498
788	6047	6053	6	1.000113897	0.908185399	0.9355276677	0.6179200919	1.506028163	0.888649457
789	6053	6067	14	1.000265291	0.9083323854	0.9356761661	0.6177686982	1.505881177	0.8885009586
790	6067	6073	6	1.000113478	0.9082166648	0.9355501789	0.6179205103	1.505996898	0.8886269458
791	6073	6079	6	1.000113354	0.9082260205	0.9355569148	0.6179206352	1.505987542	0.8886202099
792	6079	6089	10	1.000188653	0.90830386	0.9356341988	0.6178453359	1.505909702	0.8885429259
793	6089	6091	2	1.000037686	0.9081824992	0.9355043645	0.6179963025	1.506031063	0.8886727602
794	6091	6101	10	1.000188239	0.9083223673	0.9356474772	0.6178457499	1.505891195	0.8885296475
795	6101	6113	12	1.000225437	0.9082718515	0.9356936388	0.6178085514	1.505841711	0.8884834859
796	6113	6121	8	1.000150012	0.9083221531	0.9356366852	0.6178839767	1.505891409	0.8885404395
797	6121	6131	10	1.000187211	0.9083684464	0.9356805377	0.6178467773	1.505845116	0.888496587
798	6131	6133	2	1.000037399	0.9082479931	0.9355516808	0.6179965901	1.505965569	0.8886254439
799	6133	6143	10	1.000186804	0.9083868028	0.935693708	0.6178471852	1.50582676	0.8884834167
800	6143	6151	8	1.000149196	0.9083682185	0.9356697939	0.6178847926	1.505845344	0.8885073308
801	6151	6163	12	1.000223397	0.9084480465	0.9357482107	0.6178105913	1.505765516	0.888428914
802	6163	6173	10	1.000185791	0.9084325074	0.9357265002	0.6178481978	1.505781055	0.8884506245
803	6173	6197	24	1.000444591	0.9086830502	0.935979826	0.6175893981	1.505530512	0.8881972987
804	6197	6199	2	1.000036955	0.9083498277	0.9356252485	0.6179970337	1.505863735	0.8885518762
805	6199	6203	4	1.000073872	0.9083864372	0.9356620143	0.6179601172	1.505827125	0.8885151104
806	6203	6211	8	1.000147589	0.9084595488	0.935735436	0.6178863993	1.505754014	0.8884416887
807	6211	6217	6	1.000110551	0.9084381954	0.9357096757	0.6179234377	1.505775367	0.888467449
808	6217	6221	4	1.000073633	0.9084138659	0.9356817954	0.6179603554	1.505799696	0.8884953293
809	6221	6229	8	1.000147114	0.9084867424	0.9357549809	0.6178868749	1.50572682	0.8884221438
810	6229	6247	18	1.000330268	0.9086653603	0.9359352066	0.6177037207	1.505548202	0.8882419181
811	6247	6257	10	1.000183011	0.9085590846	0.9358173184	0.6178509779	1.505654478	0.8883598063
812	6257	6263	6	1.000109646	0.908507669	0.9357596938	0.6179243427	1.505705893	0.8884174309
813	6263	6269	6	1.000109529	0.9085166857	0.9357661854	0.6179244597	1.505696877	0.8884109393
814	6269	6271	2	1.000036482	0.9084594405	0.9357044312	0.6179975063	1.505754122	0.8884726935
815	6271	6277	6	1.000109373	0.9085286918	0.9357748292	0.6179246153	1.505684871	0.8884022955
816	6277	6287	10	1.000182037	0.9086038006	0.9358494022	0.6178519517	1.505609762	0.8883277225
817	6287	6299	12	1.000218023	0.9086516339	0.9358940297	0.6178159658	1.505561928	0.888283095
818	6299	6301	2	1.000036289	0.908504666	0.9357371001	0.6179976999	1.505708896	0.8884400246
819	6301	6311	10	1.000181265	0.9086393907	0.9358749384	0.6178527236	1.505574172	0.8883021863
820	6311	6317	6	1.000108602	0.9085884488	0.9358178511	0.6179253872	1.505625114	0.8883592736
821	6317	6323	6	1.000108487	0.9085973732	0.9358242762	0.617925502	1.505616189	0.8883528485
822	6323	6329	6	1.000108372	0.9086062875	0.935830694	0.6179256167	1.505607275	0.8883464307
823	6329	6337	8	1.000144321	0.9086479556	0.93587085	0.617889668	1.505565607	0.8883062747
824	6337	6343	6	1.000108105	0.9086270482	0.9358456404	0.6179258833	1.505586514	0.8883314843
825	6343	6353	10	1.000179929	0.9087012869	0.9359193497	0.6178540595	1.505512275	0.888257775
826	6353	6359	6	1.000107802	0.9086507075	0.9358626736	0.6179261865	1.505562855	0.8883144511
827	6359	6361	2	1.000035908	0.9085943436	0.9358018771	0.6179980811	1.505619219	0.8883752476
828	6361	6367	6	1.000107651	0.9086625105	0.935871171	0.6179263375	1.505551052	0.8883059537
829	6367	6373	6	1.000107538	0.9086713511	0.9358775356	0.6179264505	1.505542211	0.8882995891
830	6373	6379	6	1.000107426	0.9086801816	0.935883893	0.6179265632	1.505533381	0.8882932317

831	6379	6389	10	1.000178799	0.9087539539	0.9359571392	0.6178551897	1.505459609	0.8882199855
832	6389	6397	8	1.000142812	0.9087361061	0.9359342064	0.6178911765	1.505477456	0.8882429183
833	6397	6421	24	1.000427307	0.9090064623	0.9362090188	0.617606682	1.5052071	0.8879681059
834	6421	6427	6	1.000106532	0.90875047	0.9359344955	0.6179274572	1.505463092	0.8882426292
835	6427	6449	22	1.000389725	0.9090166399	0.9362059169	0.6176442635	1.505196922	0.8879712078
836	6449	6451	2	1.00003535	0.9087269672	0.9358976701	0.6179986389	1.505486595	0.8882794546
837	6451	6469	18	1.000317645	0.9089864212	0.9361639826	0.6177163437	1.505227141	0.8880131421
838	6469	6473	4	1.000070445	0.9087881394	0.9359516974	0.6179635434	1.505425423	0.8882254273
839	6473	6481	8	1.00014075	0.9088578707	0.9360217221	0.6178932384	1.505355692	0.8881554026
840	6481	6491	10	1.000175669	0.9089012768	0.9360628476	0.6178583197	1.505312286	0.8881142771
841	6491	6521	30	1.000525296	0.9092335707	0.9364006053	0.617508693	1.504979992	0.8877765194
842	6521	6529	8	1.000139597	0.9089266069	0.9360711247	0.6178943913	1.505286955	0.888106
843	6529	6547	18	1.000313426	0.9090961547	0.9362421892	0.6177205627	1.505117408	0.8879349355
844	6547	6551	4	1.000069511	0.9089004514	0.9360326828	0.6179644773	1.505313111	0.8881444419
845	6551	6553	2	1.000034737	0.9088746065	0.9360043013	0.6179992514	1.505338956	0.8881728234
846	6553	6563	10	1.000173522	0.9090036182	0.9361362818	0.6178604668	1.505209944	0.8880408429
847	6563	6569	6	1.000103968	0.9089547793	0.9360815794	0.6179300205	1.505258783	0.8880955453
848	6569	6571	2	1.000034631	0.9089003732	0.9360229103	0.6179993574	1.505313189	0.8881542144
849	6571	6577	6	1.000103827	0.9089661319	0.9360897521	0.6179301614	1.50524743	0.8880873726
850	6577	6581	4	1.000069158	0.9089432215	0.9360635224	0.6179648303	1.505270341	0.8881136023
851	6581	6599	18	1.000310672	0.9091684576	0.936293723	0.6177233164	1.505045105	0.8878834017
852	6599	6607	8	1.000137762	0.9090370254	0.9361504852	0.6178962269	1.505176537	0.8880266395
853	6607	6619	12	1.000206302	0.9091107287	0.9362228907	0.6178276868	1.505102834	0.887954234
854	6619	6637	18	1.000308689	0.9092208708	0.9363310824	0.6177252998	1.504992692	0.8878460423
855	6637	6653	16	1.000273604	0.9092145297	0.9363167212	0.617760385	1.504999033	0.8878604035
856	6653	6659	6	1.000102404	0.9090815513	0.9361728407	0.617931585	1.505132011	0.888004284
857	6659	6661	2	1.000034111	0.9090279448	0.9361150401	0.6179998782	1.505185618	0.8880620846
858	6661	6673	12	1.000204442	0.9091855975	0.9362765255	0.617829547	1.505027965	0.8879005992
859	6673	6679	6	1.000102062	0.9091094444	0.9361929201	0.6179319266	1.505104118	0.8879842046
860	6679	6689	10	1.000169883	0.9091795361	0.9362625125	0.617864106	1.505034026	0.8879146122
861	6689	6691	2	1.00003394	0.9090700084	0.9361454163	0.6180000484	1.505143554	0.8880317084
862	6691	6701	10	1.000169544	0.909196084	0.9362743866	0.617864445	1.505017478	0.8879027381
863	6701	6703	2	1.000033873	0.9090867703	0.9361575208	0.6180001161	1.505126792	0.8880196039
864	6703	6709	6	1.000101554	0.9091510969	0.9362229045	0.6179324349	1.505062466	0.8879542202
865	6709	6719	10	1.000169038	0.9092208398	0.9362921505	0.6178649511	1.504992723	0.8878849742
866	6719	6733	14	1.000236191	0.9092958608	0.9363651217	0.6177977982	1.504917702	0.887812003
867	6733	6737	4	1.000067377	0.9091619144	0.9362212048	0.6179666118	1.505051648	0.8879559199
868	6737	6761	24	1.000403396	0.9094729594	0.9365398001	0.6176305926	1.504740603	0.8876373246
869	6761	6763	2	1.000033538	0.9091700415	0.9362176528	0.6180004506	1.505043521	0.8879594719
870	6763	6779	16	1.00026794	0.9093859163	0.9364391004	0.617766049	1.504827646	0.8877380243
871	6779	6781	2	1.000033439	0.9091948497	0.9362355668	0.6180005497	1.505018713	0.8879415579
872	6781	6791	10	1.000167042	0.9093190785	0.9363626437	0.617866947	1.504894484	0.887814481
873	6791	6793	2	1.000033373	0.9092113445	0.9362474776	0.6180006155	1.505002218	0.8879296471
874	6793	6803	10	1.000166713	0.9093353309	0.936374306	0.6178672753	1.504878231	0.8878028187
875	6803	6823	20	1.000332638	0.9094999542	0.936539604	0.6177013511	1.504713608	0.8876375207
876	6823	6827	4	1.000066388	0.9092853364	0.9363101893	0.6179676003	1.504928226	0.8878669354
877	6827	6829	2	1.000033177	0.9092606193	0.936283058	0.6180008113	1.504952943	0.8878940667
878	6829	6833	4	1.000066324	0.909293495	0.9363160713	0.6179676652	1.504920067	0.8878610534
879	6833	6841	8	1.000132522	0.9093591586	0.9363820084	0.6179014669	1.504854404	0.8877951163
880	6841	6857	16	1.000264544	0.9094901364	0.9365135254	0.6177694444	1.504723426	0.8876635993
881	6857	6863	6	1.000099019	0.9093614581	0.9363743331	0.6179349699	1.504852104	0.8878027916
882	6863	6869	6	1.000098922	0.9093695393	0.9363801502	0.6179350663	1.504844023	0.8877969745
883	6869	6871	2	1.000032952	0.9093177131	0.9363242833	0.618001037	1.504895849	0.8878528414
884	6871	6883	12	1.000197502	0.9094700556	0.936480317	0.6178364863	1.504743507	0.8876968077
885	6883	6899	16	1.00026275	0.9095456759	0.936553189	0.6177712389	1.504667886	0.8876239357
886	6899	6907	8	1.000131112	0.9094476429	0.9364456031	0.6179028767	1.504765919	0.8877315216
887	6907	6911	4	1.00006549	0.909398781	0.9363919769	0.6179684983	1.504814781	0.8877851478
888	6911	6917	6	1.000098158	0.9094338865	0.9364264692	0.6179358305	1.504779676	0.8877506555
889	6917	6947	30	1.00048947	0.9097978185	0.9367987213	0.6175445191	1.504415744	0.8873784034
890	6947	6949	2	1.00003254	0.9094226389	0.9364000432	0.6180014486	1.504790923	0.8877770815
891	6949	6959	10	1.000162555	0.9095435554	0.9365237244	0.6178714335	1.504670007	0.8876534003
892	6959	6961	2	1.000032478	0.9094386556	0.9364116074	0.618001511	1.504774907	0.8877655173
893	6961	6967	6	1.000097374	0.9095003488	0.93647431	0.6179366146	1.504713214	0.8877028147
894	6967	6971	4	1.000064863	0.9094788047	0.9364496677	0.6179691256	1.504734758	0.887727457

895	6971	6977	6	1.000097219	0.9095135728	0.9364838288	0.61793677	1.50469999	0.8876932959
896	6977	6983	6	1.000097126	0.9095214962	0.9364895322	0.617936863	1.504692066	0.8876875925
897	6983	6991	8	1.000129359	0.90955881	0.9365254997	0.6179046301	1.504654752	0.887651625
898	6991	6997	6	1.000096909	0.9095399527	0.9365028174	0.6179370794	1.50467361	0.8876743073
899	6997	7001	4	1.000064554	0.9095185072	0.9364782895	0.6179694349	1.504695055	0.8876988352
900	7001	7013	12	1.000193428	0.9096410292	0.9366028135	0.6178405608	1.504572533	0.8875743112
901	7013	7019	6	1.000096571	0.9095688667	0.9365236298	0.6179374176	1.504644696	0.8876534949
902	7019	7027	8	1.000128621	0.9096059658	0.9365593908	0.6179053679	1.504607597	0.8876177339
903	7027	7039	12	1.000192632	0.9096747721	0.9366269898	0.6178413566	1.50453879	0.8875501349
904	7039	7043	4	1.000064125	0.9095737491	0.9365181131	0.6179698633	1.504639813	0.8876590116
905	7043	7057	14	1.000224138	0.9097245613	0.9366717746	0.6178098507	1.504489001	0.8875053501
906	7057	7069	12	1.000191722	0.9097135227	0.9366547542	0.617842267	1.50450004	0.8875223705
907	7069	7079	10	1.000159489	0.90969998	0.9366359743	0.6178744996	1.504513582	0.8875411504
908	7079	7103	24	1.000381796	0.9099153034	0.9368536498	0.6176521931	1.504298259	0.8873234749
909	7103	7109	6	1.000095211	0.9096860315	0.9366079643	0.6179387778	1.504527531	0.8875691604
910	7109	7121	12	1.000190163	0.9097802297	0.9367025497	0.6178438257	1.504433333	0.887474575
911	7121	7127	6	1.000094943	0.9097092515	0.9366246777	0.6179390454	1.504504311	0.887552447
912	7127	7129	2	1.000031627	0.9096594623	0.9365710225	0.6180023617	1.5045541	0.8876061022
913	7129	7151	22	1.000347302	0.9099492104	0.9368685451	0.6176866871	1.504264352	0.8873085796
914	7151	7159	8	1.000125983	0.9097764344	0.9366819065	0.6179080058	1.504437128	0.8874952182
915	7159	7177	18	1.000282912	0.9099295414	0.9368363667	0.6177510768	1.504284021	0.887340758
916	7177	7187	10	1.000156823	0.9098380855	0.9367350796	0.6178771662	1.504375477	0.8874420451
917	7187	7193	6	1.000093974	0.9097937949	0.9366855298	0.6179400147	1.504419767	0.8874915949
918	7193	7207	14	1.000218948	0.9099152045	0.936808161	0.617815041	1.504298358	0.8873689637
919	7207	7211	4	1.000062465	0.9097908297	0.9366745973	0.617971524	1.504422733	0.8875025274
920	7211	7213	2	1.000031217	0.9097675323	0.9366490388	0.6180027713	1.50444603	0.8875280859
921	7213	7219	6	1.000093597	0.9098268453	0.9367093184	0.6179403913	1.504386717	0.8874678063
922	7219	7229	10	1.000155808	0.9098911272	0.936773143	0.6178781804	1.504322435	0.8874039817
923	7229	7237	8	1.000124472	0.9098754117	0.9367530408	0.6179095166	1.504338151	0.8874240839
924	7237	7243	6	1.000093252	0.9098572273	0.9367311861	0.6179407365	1.504356335	0.8874459386
925	7243	7247	4	1.000062119	0.9098365581	0.9367075594	0.6179718693	1.504377004	0.8874695653
926	7247	7253	6	1.000093109	0.9098698509	0.936740272	0.6179408796	1.504343711	0.8874368527
927	7253	7283	30	1.00046435	0.9102152455	0.9370935228	0.6175696385	1.503998317	0.8870836019
928	7283	7297	14	1.000215942	0.910027347	0.9368883929	0.6178180464	1.504186215	0.8872887318
929	7297	7307	10	1.000153958	0.9099886664	0.9368431387	0.617880031	1.504224896	0.887333986
930	7307	7309	2	1.000030762	0.9098892034	0.9367368687	0.6180032272	1.504324359	0.887440256
931	7309	7321	12	1.000184387	0.9100315045	0.9368825948	0.6178496018	1.504182058	0.8872945299
932	7321	7331	10	1.000153397	0.9100184293	0.9368644971	0.617880592	1.504195133	0.8873126276
933	7331	7333	2	1.00003065	0.9099193212	0.9367586088	0.6180033392	1.504294241	0.8874185159
934	7333	7349	16	1.000244888	0.9101167688	0.9369611096	0.6177891004	1.504096794	0.8872160151
935	7349	7351	2	1.000030566	0.909941832	0.9367748576	0.6180034227	1.50427173	0.8874022671
936	7351	7369	18	1.000274713	0.9101664904	0.9370053725	0.6177592762	1.504047072	0.8871717522
937	7369	7393	24	1.000365141	0.9102712932	0.93710636	0.6176688477	1.503942269	0.8870707647
938	7393	7411	18	1.000272979	0.9102173529	0.9370416543	0.6177610097	1.503996209	0.8871354704
939	7411	7417	6	1.000090821	0.9100739551	0.9368871737	0.6179431678	1.504139607	0.887289951
940	7417	7433	16	1.000241808	0.9102187925	0.9370339969	0.6177921803	1.50399477	0.8871431278
941	7433	7451	18	1.000271347	0.9102654783	0.9370759848	0.6177626413	1.503948084	0.8871011399
942	7451	7457	6	1.000090279	0.9101229184	0.9369224135	0.6179437097	1.504090644	0.8872547112
943	7457	7459	2	1.000030074	0.91007552	0.9368713531	0.6180039146	1.504138042	0.8873057716
944	7459	7477	18	1.000270297	0.9102965967	0.937098184	0.6177636919	1.503916966	0.8870789407
945	7477	7481	4	1.000059961	0.9101273028	0.9369171217	0.6179740274	1.50408626	0.887260003
946	7481	7487	6	1.000089877	0.9101594352	0.936948695	0.6179441121	1.504054127	0.8872284297
947	7487	7489	2	1.00002994	0.9101122432	0.9368978586	0.6180040486	1.504101319	0.8872792661
948	7489	7499	10	1.000149577	0.9102235728	0.9370117133	0.6178844122	1.50398999	0.8871654114
949	7499	7507	8	1.0001195	0.9102084398	0.9369923815	0.6179144889	1.504005123	0.8871847432
950	7507	7517	10	1.000149178	0.9102452275	0.9370272534	0.6178848107	1.503968335	0.8871498713
951	7517	7523	6	1.000089398	0.9102030251	0.9369800668	0.6179445905	1.504010537	0.8871970579
952	7523	7529	6	1.000089319	0.9102102658	0.936985278	0.6179446698	1.504003297	0.8871918467
953	7529	7537	8	1.000118971	0.9102445588	0.9370183392	0.6179150181	1.503969004	0.8871587855
954	7537	7541	4	1.000059431	0.9102000994	0.9369695882	0.6179745578	1.504013463	0.8872075365
955	7541	7547	6	1.000089082	0.9102319467	0.9370008816	0.6179449067	1.503981616	0.8871762431
956	7547	7549	2	1.000029676	0.9101851623	0.9369504875	0.6180043131	1.5040284	0.8872266372
957	7549	7559	10	1.000148256	0.910295516	0.937063342	0.6178857329	1.503918046	0.8871137827
958	7559	7561	2	1.000029623	0.9101996626	0.9369609527	0.6180043655	1.5040139	0.887216172

959	7561	7573	12	1.00017757	0.9103367418	0.9371013195	0.6178564189	1.503876821	0.8870758052
960	7573	7577	4	1.000059117	0.9102434449	0.9370008279	0.6179748718	1.503970117	0.8871762968
961	7577	7583	6	1.000088612	0.9102751234	0.9370319555	0.6179453771	1.503938439	0.8871451692
962	7583	7589	6	1.000088534	0.9102822957	0.9370371173	0.617945455	1.503931267	0.8871400074
963	7589	7591	2	1.000029493	0.9102357927	0.9369870284	0.6180044957	1.503977777	0.8871900963
964	7591	7603	12	1.00017679	0.9103722746	0.9371267822	0.6178571985	1.503841288	0.8870503425
965	7603	7607	4	1.000058858	0.9102793781	0.937026725	0.6179751311	1.503934184	0.8871503997
966	7607	7621	14	1.000205746	0.9104178902	0.9371678319	0.6178282424	1.503795672	0.8870092928
967	7621	7639	18	1.000263922	0.9104876565	0.9372344918	0.6177700667	1.503725906	0.8869426329
968	7639	7643	4	1.000058549	0.9103222743	0.9370576399	0.6179754393	1.503891288	0.8871194848
969	7643	7649	6	1.000087762	0.9103536477	0.937088468	0.6179462272	1.503859915	0.8870886567
970	7649	7669	20	1.000292017	0.9105467451	0.9372850374	0.6177419722	1.503666817	0.8868920873
971	7669	7673	4	1.000058295	0.9103578367	0.937083269	0.6179756939	1.503855726	0.8870938557
972	7673	7681	8	1.000116492	0.9104155738	0.9371412412	0.6179174969	1.503797989	0.8870358835
973	7681	7687	6	1.000087279	0.9103984921	0.9371207411	0.6179467096	1.50381507	0.8870563836
974	7687	7691	4	1.000058143	0.9103790942	0.9370985887	0.6179758456	1.503834468	0.887078536
975	7691	7699	8	1.000116189	0.9104366814	0.9371564103	0.6179177998	1.503776881	0.8870207144
976	7699	7703	4	1.000058042	0.9103932328	0.9371087779	0.6179759463	1.50382033	0.8870683468
977	7703	7717	14	1.0002029	0.9105298404	0.9372479411	0.617831089	1.503683722	0.8869291836
978	7717	7723	6	1.000086827	0.9104407324	0.9371511399	0.617947162	1.50377283	0.8870259848
979	7723	7727	4	1.000057842	0.910421431	0.9371290992	0.6179761467	1.503792131	0.8870480255
980	7727	7741	14	1.0002022	0.9105575703	0.9372677845	0.6178317889	1.503655992	0.8869093402
981	7741	7753	12	1.000172988	0.9105474749	0.937252333	0.6178610004	1.503666087	0.8869247917
982	7753	7757	4	1.000057593	0.9104565314	0.9371543945	0.6179763954	1.503757031	0.8870227302
983	7757	7759	2	1.000028784	0.9104350009	0.9371307918	0.6180052049	1.503778561	0.8870463329
984	7759	7789	30	1.000430857	0.9108034009	0.9375092737	0.6176031313	1.503410161	0.886667851
985	7789	7793	4	1.000057298	0.9104984379	0.937184594	0.6179766912	1.503715124	0.8869925307
986	7793	7817	24	1.000343149	0.9107633636	0.9374558513	0.6176908395	1.503450199	0.8867212734
987	7817	7823	6	1.000085593	0.9105568422	0.9372346982	0.6179483954	1.50365672	0.8869424265
988	7823	7829	6	1.00008552	0.9105637523	0.9372396709	0.6179484684	1.50364981	0.8869374538
989	7829	7841	12	1.00017083	0.9106483959	0.9373246563	0.617863159	1.503565166	0.8868524684
990	7841	7853	12	1.000170539	0.9106620536	0.9373344439	0.6178634494	1.503551509	0.8868426808
991	7853	7867	14	1.0001986	0.9107014996	0.9373707828	0.6178353891	1.503512063	0.8868063419
992	7867	7873	6	1.000084989	0.9106142337	0.937275999	0.6179489997	1.503599329	0.8869011257
993	7873	7877	4	1.000056619	0.9105953244	0.9372544126	0.6179773701	1.503618238	0.8869227121
994	7877	7879	2	1.000028297	0.9105741479	0.9372312017	0.6180056918	1.503639414	0.886945923
995	7879	7883	4	1.000056571	0.9106021974	0.9372593654	0.6179774181	1.503611365	0.8869177593
996	7883	7901	18	1.000254199	0.9107867566	0.9374479138	0.6177797897	1.503426806	0.8867292109
997	7901	7907	6	1.000084583	0.9106530117	0.9373039046	0.6179494059	1.503560551	0.8868732201
998	7907	7919	12	1.000168959	0.9107367306	0.9373879608	0.6178650297	1.503476832	0.8867891639
999	7919	7927	8	1.000112478	0.9106990564	0.9373449648	0.6179215106	1.503514506	0.8868321599
1000	7927	7933	6	1.000084275	0.9106825312	0.9373251473	0.6179497141	1.503531031	0.8868519774
1001	7933	7937	4	1.000056143	0.9106637744	0.9373037376	0.6179778458	1.503549788	0.8868733871
1002	7937	7949	12	1.00016825	0.9107704307	0.9374121121	0.6178657389	1.503443132	0.8867650126
1003	7949	7951	2	1.000028012	0.9106564207	0.9372905671	0.6180059765	1.503557142	0.8868865576
1004	7951	7963	12	1.000167921	0.9107861058	0.9374233458	0.6178660679	1.503427457	0.8867537789
1005	7963	7993	30	1.000418627	0.9110280765	0.9376682005	0.6176153614	1.503185486	0.8865089242
1006	7993	8009	16	1.000222533	0.9108835615	0.9375090126	0.617811456	1.503330001	0.8866681121
1007	8009	8011	2	1.000027779	0.9107243011	0.9373395455	0.6180062096	1.503489261	0.8868375792
1008	8011	8017	6	1.000083294	0.9107771173	0.9373932122	0.6179506952	1.503436445	0.8867839125
1009	8017	8039	22	1.000304852	0.910985666	0.9376057772	0.6177291369	1.503227896	0.8865713475
1010	8039	8053	14	1.000193504	0.9109090484	0.937519317	0.6178404852	1.503304514	0.8866578077
1011	8053	8059	6	1.000082811	0.9108239673	0.9374269252	0.6179511776	1.503389595	0.8867501995
1012	8059	8069	10	1.00013787	0.910880844	0.9374833982	0.6178961186	1.503332718	0.8866937265
1013	8069	8081	12	1.000165196	0.9109169378	0.9375171084	0.6178687927	1.503296625	0.8866600163
1014	8081	8087	6	1.000082492	0.9108550388	0.9374492838	0.6179514963	1.503358524	0.8867278409
1015	8087	8089	2	1.000027482	0.910811639	0.9374025608	0.6180065071	1.503401923	0.8867745639
1016	8089	8093	4	1.000054941	0.9108388821	0.9374299141	0.6179790474	1.50337468	0.8867472106
1017	8093	8101	8	1.000109795	0.9108933068	0.9374845582	0.6179241935	1.503320256	0.8866925665
1018	8101	8111	10	1.000137077	0.9109270755	0.9375165762	0.6178969121	1.503286487	0.8866605485
1019	8111	8117	6	1.000082154	0.9108881874	0.9374731369	0.6179518351	1.503325375	0.8867039878
1020	8117	8123	6	1.000082086	0.9108947995	0.9374778949	0.6179519026	1.503318763	0.8866922298
1021	8123	8147	24	1.000327713	0.9111251902	0.9377129633	0.6177062762	1.503088372	0.8864641614
1022	8147	8161	14	1.000190658	0.9110269714	0.9376037139	0.6178433311	1.503186591	0.8865734108

1023	8161	8167	6	1.000081595	0.910943111	0.9375126585	0.617952394	1.503270451	0.8866644662
1024	8167	8171	4	1.000054359	0.9109249269	0.9374919119	0.61797963	1.503288636	0.8866852128
1025	8171	8179	8	1.000108632	0.9109787761	0.9375459777	0.6179253569	1.503234786	0.886631147
1026	8179	8191	12	1.000162731	0.911036873	0.9376030635	0.6178712577	1.503176689	0.8865740612
1027	8191	8209	18	1.00024361	0.9111237553	0.9376884269	0.6177903783	1.503089807	0.8864886978
1028	8209	8219	10	1.000135076	0.9110446603	0.937600961	0.6178989132	1.503168902	0.8865761637
1029	8219	8221	2	1.000026992	0.9109571639	0.9375075521	0.618006997	1.503256399	0.8866695726
1030	8221	8231	10	1.000134857	0.9110576117	0.9376102556	0.6178991321	1.503155951	0.8865668691
1031	8231	8233	2	1.000026948	0.9109702542	0.9375169959	0.6180070407	1.503243308	0.8866601288
1032	8233	8237	4	1.000053875	0.9109969694	0.9375438189	0.6179801138	1.503216593	0.8866333058
1033	8237	8243	6	1.000080759	0.91102583	0.9375721797	0.6179532297	1.503187732	0.886604945
1034	8243	8263	20	1.000268751	0.9112036342	0.9377531549	0.6177652375	1.503009928	0.8864239698
1035	8263	8269	6	1.000080477	0.9110539196	0.9375923916	0.6179535118	1.503159643	0.8865847331
1036	8269	8273	4	1.000053615	0.9110359747	0.9375719218	0.6179803742	1.503177588	0.8866052029
1037	8273	8287	14	1.000187437	0.9111622333	0.9377005241	0.6178465519	1.503051329	0.8864766006
1038	8287	8291	4	1.000053485	0.9110554012	0.9375859183	0.6179805035	1.503158161	0.8865912064
1039	8291	8293	2	1.000026731	0.9110353645	0.9375639679	0.6180072573	1.503178198	0.8866131568
1040	8293	8297	4	1.000053442	0.9110618655	0.9375905757	0.6179805465	1.503151697	0.886586549
1041	8297	8311	14	1.000186835	0.9111877212	0.9377187669	0.6178471536	1.503025841	0.8864583578
1042	8311	8317	6	1.000079961	0.9111055013	0.9376295068	0.6179540278	1.503108061	0.8865476179
1043	8317	8329	12	1.000159736	0.9111846608	0.9377089823	0.6178742525	1.503028902	0.8864681424
1044	8329	8353	24	1.000318732	0.9113424607	0.9378674033	0.6177152565	1.502871102	0.8863097214
1045	8353	8363	10	1.000132493	0.9111986115	0.9377114444	0.6179014961	1.503014951	0.8864656803
1046	8363	8369	6	1.000079409	0.9111609817	0.9376694267	0.6179545797	1.503052581	0.886507698
1047	8369	8377	8	1.000105782	0.9111914425	0.9376988001	0.6179282069	1.503022212	0.8864783246
1048	8377	8387	10	1.000132071	0.9112239634	0.9377296383	0.6179019174	1.502989599	0.8864474864
1049	8387	8389	2	1.000026392	0.9111383744	0.9376382782	0.6180075969	1.503075188	0.8865388465
1050	8389	8419	30	1.000395115	0.9114764611	0.9379855419	0.6176388742	1.502737101	0.8861915828
1051	8419	8423	4	1.000052555	0.9111963371	0.9376874568	0.617981434	1.503017225	0.8864896679
1052	8423	8429	6	1.000078781	0.9112244881	0.9377151208	0.6179552075	1.502989074	0.8864620039
1053	8429	8431	2	1.000026246	0.9111829977	0.9376704677	0.6180077429	1.503030565	0.886506657
1054	8431	8443	12	1.000157341	0.9113045706	0.9377949227	0.6178766482	1.502908992	0.886382202
1055	8443	8447	4	1.000052389	0.9112216777	0.9377057131	0.6179815998	1.502991885	0.8864714116
1056	8447	8461	14	1.000183156	0.9113450704	0.937831391	0.6178508323	1.502868492	0.8863457337
1057	8461	8467	6	1.000078389	0.9112644302	0.9377438596	0.6179556002	1.502949132	0.8864332651
1058	8467	8501	34	1.00044312	0.9116031167	0.9380904408	0.6175908685	1.502610446	0.8860866839
1059	8501	8513	12	1.000155903	0.9113772511	0.9378470142	0.6178780855	1.502836311	0.8863301105
1060	8513	8521	8	1.000103797	0.9113423801	0.9378072615	0.6179301915	1.502871182	0.8863698632
1061	8521	8527	6	1.000077776	0.9113270627	0.9377889237	0.6179562128	1.5028865	0.886388201
1062	8527	8537	10	1.000129495	0.911380482	0.9378419642	0.6179044938	1.50283308	0.8863351605
1063	8537	8539	2	1.000025877	0.9112965296	0.9377523618	0.6180081113	1.502917033	0.8864247629
1064	8539	8543	4	1.000051735	0.9113221856	0.9377781207	0.6179822534	1.502891377	0.886399004
1065	8543	8563	20	1.000258301	0.9115146073	0.9379748447	0.6177756881	1.502698955	0.88620228
1066	8563	8573	10	1.000128891	0.9114175601	0.9378685734	0.6179050978	1.502796002	0.8863085513
1067	8573	8581	8	1.000102991	0.9114043761	0.9378518102	0.6179309975	1.502809186	0.8863253145
1068	8581	8597	16	1.000205674	0.9115062766	0.9379541134	0.6178283152	1.502707286	0.8862230113
1069	8597	8599	2	1.000025677	0.9113588616	0.9377973217	0.6180083118	1.502854701	0.886379803
1070	8599	8609	10	1.000128292	0.9114544534	0.93789505	0.6179056966	1.502759109	0.8862820747
1071	8609	8623	14	1.000179336	0.9115113383	0.9379504042	0.6178546529	1.502702224	0.8862267205
1072	8623	8627	4	1.000051176	0.9114090277	0.9378406808	0.6179828126	1.502804535	0.8863364439
1073	8627	8629	2	1.000025578	0.9113898323	0.9378196603	0.6180084109	1.50282373	0.8863574644
1074	8629	8641	12	1.000153339	0.9115083359	0.9379409664	0.6178806498	1.502705226	0.8862361583
1075	8641	8647	6	1.000076578	0.9114507636	0.9378779243	0.6179574108	1.502762799	0.8862992004
1076	8647	8663	16	1.000203933	0.911573018	0.9380018254	0.6178300561	1.502640544	0.8861752993
1077	8663	8669	6	1.000076362	0.9114732197	0.9378940807	0.6179576267	1.502740343	0.886283044
1078	8669	8677	8	1.000101726	0.9115025028	0.9379223207	0.6179322626	1.50271106	0.886254804
1079	8677	8681	4	1.000050823	0.9114643222	0.9378805132	0.617983166	1.50274924	0.8862966115
1080	8681	8689	8	1.00010157	0.9115146777	0.937931069	0.6179324186	1.502698885	0.8862460557
1081	8689	8693	4	1.000050745	0.911476554	0.9378893245	0.6179832439	1.502737008	0.8862878002
1082	8693	8699	6	1.00007607	0.9115037323	0.9379160334	0.6179579191	1.50270983	0.8862610913
1083	8699	8707	8	1.000101337	0.9115329024	0.9379441645	0.6179326518	1.50268066	0.8862329602
1084	8707	8713	6	1.000075934	0.9115179285	0.937926247	0.6179580549	1.502695634	0.8862508777
1085	8713	8719	6	1.000075876	0.9115240043	0.9379306182	0.6179581129	1.502689558	0.8862465065
1086	8719	8731	12	1.000151584	0.9115991326	0.9380060439	0.617882405	1.50261443	0.8861710808

1087	8731	8737	6	1.000075702	0.9115422017	0.9379437104	0.6179582865	1.502671361	0.8862334143
1088	8737	8741	4	1.000050435	0.91152528	0.9379244243	0.6179835533	1.502688282	0.8862527004
1089	8741	8747	6	1.000075606	0.911552292	0.9379509699	0.6179583826	1.50266127	0.8862261548
1090	8747	8753	6	1.000075549	0.9115583396	0.9379553208	0.6179584401	1.502655223	0.8862218039
1091	8753	8761	8	1.000100643	0.9115873084	0.9379832582	0.6179333454	1.502626254	0.8861938665
1092	8761	8779	18	1.000226089	0.9117097718	0.938106776	0.6178078996	1.502503791	0.8860703487
1093	8779	8783	4	1.000050168	0.9115676534	0.9379549474	0.617983821	1.502645909	0.8862221773
1094	8783	8803	20	1.000250484	0.9117542928	0.9381457477	0.6177835048	1.50245927	0.886031377
1095	8803	8807	4	1.000050016	0.9115917581	0.9379723107	0.6179839728	1.502621804	0.886204814
1096	8807	8819	12	1.000149904	0.911686844	0.9380689107	0.6178840846	1.502526718	0.886108214
1097	8819	8821	2	1.00002496	0.9115850364	0.9379604486	0.6180090283	1.502628526	0.8862166761
1098	8821	8831	10	1.000124714	0.9116779807	0.9380554646	0.6179092744	1.502535582	0.8861216601
1099	8831	8837	6	1.000074752	0.9116424898	0.9380158619	0.6179592372	1.502571073	0.8861612628
1100	8837	8839	2	1.000024904	0.9116030753	0.9379734582	0.6180090847	1.502610487	0.8862036665
1101	8839	8849	10	1.000124433	0.9116958111	0.9380682606	0.6179095561	1.502517751	0.8861088641
1102	8849	8861	12	1.000149115	0.9117283409	0.9380986536	0.6178848737	1.502485222	0.8860784711
1103	8861	8863	2	1.000024829	0.9116270589	0.9379907549	0.6180091596	1.502586504	0.8861863698
1104	8863	8867	4	1.00004964	0.9116516777	0.9380154716	0.6179843484	1.502561885	0.8861616531
1105	8867	8887	20	1.000247854	0.9118363712	0.9382042786	0.6177861349	1.502377191	0.8859728461
1106	8887	8893	6	1.000074229	0.9116980612	0.9380558414	0.6179597598	1.502515501	0.8861212833
1107	8893	8923	30	1.000370368	0.9119740122	0.9383379346	0.6176636209	1.50223955	0.8858391901
1108	8923	8929	6	1.000073897	0.9117335656	0.9380813838	0.617960092	1.502479997	0.8860957409
1109	8929	8933	4	1.000049233	0.9117170316	0.9380625459	0.6179847555	1.502496531	0.8861145788
1110	8933	8941	8	1.000098396	0.9117658164	0.9381115236	0.6179355931	1.502447746	0.8860656011
1111	8941	8951	10	1.000122859	0.9117960421	0.9381401913	0.61791113	1.50241752	0.8860369334
1112	8951	8963	12	1.000147231	0.9118281547	0.9381701959	0.6178867574	1.502385408	0.8860069288
1113	8963	8969	6	1.000073531	0.9117728151	0.9381096202	0.6179604578	1.502440747	0.8860675045
1114	8969	8971	2	1.000024498	0.91173403	0.9380678984	0.6180094912	1.502479532	0.8861092263
1115	8971	8999	28	1.000342385	0.9120258246	0.9383675157	0.6176916033	1.502187738	0.885809609
1116	8999	9001	2	1.000024407	0.9117634706	0.9380891291	0.6180095818	1.502450092	0.8860879956
1117	9001	9007	6	1.000073187	0.9118099091	0.9381363057	0.6179608022	1.502403653	0.886040819
1118	9007	9011	4	1.00004876	0.9117935277	0.9381176441	0.6179852283	1.502420035	0.8860594806
1119	9011	9013	2	1.000024371	0.9117752139	0.9380975976	0.6180096178	1.502438348	0.8860795271
1120	9013	9029	16	1.000194768	0.9119325352	0.9382588587	0.6178392208	1.502281027	0.885918266
1121	9029	9041	12	1.000145821	0.9119035778	0.9382242565	0.6178881675	1.502309985	0.8859528682
1122	9041	9043	2	1.000024281	0.9118044905	0.9381187095	0.6180097076	1.502409072	0.8860584152
1123	9043	9049	6	1.00007281	0.911850691	0.9381656439	0.6179611792	1.502362871	0.8860114808
1124	9049	9059	10	1.000121233	0.9119006996	0.9382152984	0.6179127555	1.502312863	0.8859618263
1125	9059	9067	8	1.000096879	0.9118882437	0.9381994907	0.6179371102	1.502325319	0.885977634
1126	9067	9091	24	1.000290095	0.9120722115	0.9383863751	0.6177438933	1.502141351	0.8857907496
1127	9091	9103	12	1.000144719	0.9119629809	0.9382668347	0.6178892701	1.502250581	0.88591029
1128	9103	9109	6	1.000072277	0.9119085607	0.9382072744	0.6179617114	1.502305002	0.8859698503
1129	9109	9127	18	1.000216531	0.9120459083	0.9383467996	0.6178174577	1.502167654	0.8858303251
1130	9127	9133	6	1.000072067	0.9119315813	0.9382238348	0.6179619222	1.502281981	0.8859532899
1131	9133	9137	4	1.000048015	0.9119154408	0.9382054515	0.6179859742	1.502298122	0.8859716732
1132	9137	9151	14	1.000167878	0.9120285995	0.9383206882	0.6178661111	1.502184963	0.8858564365
1133	9151	9157	6	1.000071857	0.9119545299	0.9382403433	0.6179621319	1.502259032	0.8859367814
1134	9157	9161	4	1.000047875	0.9119384345	0.9382220121	0.6179861137	1.502275128	0.8859551126
1135	9161	9173	12	1.000143493	0.9120294746	0.9383144956	0.6178904959	1.502184088	0.8858626291
1136	9173	9181	8	1.000095544	0.9119972779	0.938277833	0.6179384448	1.502216285	0.8858992917
1137	9181	9187	6	1.000071596	0.9119831149	0.9382609063	0.6179623923	1.502230448	0.8859162184
1138	9187	9199	12	1.000143043	0.9120540192	0.9383320885	0.6178909462	1.502159543	0.8858450362
1139	9199	9203	4	1.000047633	0.9119785006	0.9382508684	0.6179863562	1.502235062	0.8859262563
1140	9203	9209	6	1.000071407	0.9120040065	0.9382759349	0.6179625821	1.502209556	0.8859011898
1141	9209	9221	12	1.000142664	0.9120747234	0.9383469289	0.6178913251	1.502138839	0.8858301958
1142	9221	9227	6	1.000071252	0.9120210554	0.9382881991	0.6179627367	1.502192507	0.8858889256
1143	9227	9239	12	1.000142355	0.9120916197	0.9383590397	0.6178916337	1.502121943	0.885818085
1144	9239	9241	2	1.000023704	0.911994843	0.9382559685	0.6180102843	1.502218719	0.8859211562
1145	9241	9257	16	1.000189447	0.912147899	0.9384128476	0.6178445418	1.502065663	0.8857642771
1146	9257	9277	20	1.000236304	0.9122058405	0.9384677897	0.6177976847	1.502007722	0.885709335
1147	9277	9281	4	1.000047189	0.9120523325	0.9383040419	0.6179868002	1.50216123	0.8858730828
1148	9281	9283	2	1.000023586	0.9120345931	0.9382846297	0.6180104032	1.502178969	0.885892495
1149	9283	9293	10	1.000117849	0.9121224551	0.9383744396	0.6179161401	1.502091107	0.8858026851
1150	9293	9311	18	1.000211783	0.9122175826	0.9384694022	0.6178222054	1.50199598	0.8857077225

1151	9311	9319	8	1.000093975	0.9121271291	0.9383711307	0.6179400141	1.502086433	0.885805994
1152	9319	9323	4	1.000046953	0.9120917816	0.9383324524	0.6179870361	1.502121781	0.8858446723
1153	9323	9337	14	1.000164168	0.91222024547	0.9384451534	0.6178698206	1.502011108	0.8857319713
1154	9337	9341	4	1.000046852	0.9121086234	0.9383445814	0.6179871365	1.502104939	0.8858325433
1155	9341	9343	2	1.000023418	0.9120910069	0.9383253049	0.6180105712	1.502122555	0.8858518198
1156	9343	9349	6	1.000070221	0.912135573	0.9383705763	0.6179637679	1.502077989	0.8858065484
1157	9349	9371	22	1.000257073	0.9123116284	0.9385499668	0.6177769154	1.501901934	0.8856271579
1158	9371	9377	6	1.000069988	0.9121616042	0.9383893013	0.6179640006	1.502051958	0.8857878234
1159	9377	9391	14	1.00016312	0.9122521618	0.9384807402	0.6178708684	1.501961401	0.8856963845
1160	9391	9397	6	1.000069823	0.9121801413	0.9384026354	0.6179641658	1.502033421	0.8857744893
1161	9397	9403	6	1.000069773	0.9121856933	0.9384066291	0.6179642153	1.502027869	0.8857704956
1162	9403	9413	10	1.000116182	0.9122336166	0.9384542133	0.6179178066	1.501979946	0.8857229114
1163	9413	9419	6	1.000069642	0.9122004778	0.9384172638	0.6179643468	1.502013085	0.8857598609
1164	9419	9421	2	1.000023203	0.9121636998	0.9383777157	0.6180107862	1.502049863	0.885799409
1165	9421	9431	10	1.000115936	0.9122501456	0.9384660751	0.6179180527	1.501963417	0.8857110496
1166	9431	9433	2	1.00002317	0.9121748193	0.9383857326	0.618010819	1.502038743	0.8857913921
1167	9433	9437	4	1.000046324	0.9121977959	0.9384087996	0.617987665	1.502015766	0.8857683251
1168	9437	9439	2	1.000023153	0.9121803728	0.9383897365	0.6180108353	1.50203319	0.8857873882
1169	9439	9461	22	1.000254359	0.9123931242	0.9386080313	0.6177796302	1.501820438	0.8855690934
1170	9461	9463	2	1.000023088	0.9122025443	0.9384057214	0.6180109005	1.502011018	0.8857714033
1171	9463	9467	4	1.000046161	0.9122254402	0.9384287073	0.6179878279	1.501988122	0.8857484174
1172	9467	9473	6	1.000069202	0.9122501554	0.9384529974	0.6179647872	1.501963407	0.8857241273
1173	9473	9479	6	1.000069153	0.9122556543	0.9384569528	0.6179648358	1.501957908	0.8857201719
1174	9479	9491	12	1.000138165	0.9123241461	0.9385257115	0.6178958236	1.501889416	0.8856514132
1175	9491	9497	6	1.000069008	0.912272126	0.9384688009	0.6179649812	1.501941436	0.8857083238
1176	9497	9511	14	1.000160837	0.9123614207	0.9385589633	0.6178731516	1.501852142	0.8856181614
1177	9511	9521	10	1.00011472	0.9123322316	0.9385249827	0.6179192684	1.501881331	0.885652142
1178	9521	9533	12	1.00013749	0.9123621882	0.9385529798	0.6178964991	1.501851374	0.8856241449
1179	9533	9539	6	1.000068671	0.9123104157	0.9384963425	0.6179653182	1.501903147	0.8856807822
1180	9539	9547	8	1.000091487	0.9123367276	0.9385217222	0.6179425015	1.501876835	0.8856554025
1181	9547	9551	4	1.000045711	0.9123022908	0.9384840492	0.6179882781	1.501911272	0.8856930755
1182	9551	9587	36	1.000410518	0.9126387503	0.9388290412	0.6176234706	1.501574812	0.8853480835
1183	9587	9601	14	1.000159164	0.9124422994	0.9386168689	0.6178748243	1.501771263	0.8855602558
1184	9601	9613	12	1.00013622	0.9124341024	0.9386045277	0.6178977684	1.50177946	0.885572597
1185	9613	9619	6	1.000068037	0.9123827953	0.938548404	0.6179659516	1.501830767	0.8856287207
1186	9619	9623	4	1.000045331	0.9123675227	0.9385310228	0.6179886573	1.50184604	0.8856461019
1187	9623	9629	6	1.000067959	0.9123917922	0.9385548752	0.61796603	1.50182177	0.8856222495
1188	9629	9631	2	1.000022642	0.9123558838	0.9385162686	0.6180113468	1.501857679	0.8856608561
1189	9631	9643	12	1.00013575	0.9124608874	0.9386237272	0.6178982386	1.501752675	0.8855533975
1190	9643	9649	6	1.000067803	0.9124097528	0.9385677937	0.6179661862	1.50180381	0.885609331
1191	9649	9661	12	1.000135469	0.9124769111	0.9386352129	0.6178985193	1.501736651	0.8855419118
1192	9661	9677	16	1.00018034	0.9125286822	0.9386851427	0.6178536487	1.50168488	0.885491982
1193	9677	9679	2	1.000022517	0.9123991078	0.9385474285	0.6180114713	1.501814455	0.8856296962
1194	9679	9689	10	1.000112515	0.91248302	0.9386331929	0.6179214737	1.501730542	0.8855439318
1195	9689	9697	8	1.000089918	0.9124713978	0.9386184766	0.6179440704	1.501742165	0.8855586481
1196	9697	9719	22	1.000246871	0.9126217888	0.9387709703	0.6177871174	1.501591774	0.8854061544
1197	9719	9721	2	1.00002241	0.9124367189	0.9385745415	0.6180115791	1.501776843	0.8856025832
1198	9721	9733	12	1.000134358	0.9125406533	0.9386809035	0.6178996309	1.501672909	0.8854962212
1199	9733	9739	6	1.000067108	0.9124900293	0.9386255335	0.617966881	1.501723533	0.8855515912
1200	9739	9743	4	1.000044713	0.9124749572	0.9386083838	0.6179892762	1.501738605	0.8855687409
1201	9743	9749	6	1.000067031	0.9124988943	0.9386319097	0.6179669573	1.501714668	0.885545215
1202	9749	9767	18	1.000200834	0.9126263367	0.9387613577	0.6178331551	1.501587226	0.885415767
1203	9767	9769	2	1.000022288	0.9124794657	0.938605356	0.6180117012	1.501734097	0.8855717687
1204	9769	9781	12	1.000133626	0.9125828383	0.9387111419	0.6179003624	1.501630724	0.8854659828
1205	9781	9787	6	1.000066743	0.9125324826	0.938656068	0.6179672459	1.50168108	0.8855210567
1206	9787	9791	4	1.00004447	0.9125174893	0.9386390091	0.6179895192	1.501696073	0.8855381156
1207	9791	9803	12	1.000133294	0.9126020911	0.9387249424	0.6179006951	1.501611471	0.8854521823
1208	9803	9811	8	1.00008876	0.9125720995	0.9386908245	0.6179452287	1.501641463	0.8854863002
1209	9811	9817	6	1.000066517	0.9125588901	0.9386750613	0.6179674721	1.501654672	0.8855020634
1210	9817	9829	12	1.000132903	0.9126247785	0.9387412048	0.6179010862	1.501588784	0.8854359199
1211	9829	9833	4	1.000044259	0.9125545011	0.9386656591	0.6179897298	1.501659061	0.8855114656
1212	9833	9839	6	1.000066352	0.9125781945	0.9386889457	0.6179676371	1.501635368	0.885488179
1213	9839	9851	12	1.000132573	0.91264392	0.9387549256	0.6179014155	1.501569642	0.8854221991
1214	9851	9857	6	1.000066217	0.9125939507	0.9387002781	0.6179677714	1.501619612	0.8854768466

1215	9857	9859	2	1.000022062	0.9125589426	0.938662646	0.6180119267	1.50165462	0.8855144787
1216	9859	9871	12	1.000132275	0.9126612774	0.9387673675	0.6179017135	1.501552285	0.8854097572
1217	9871	9883	12	1.000132097	0.9126716719	0.9387748184	0.6179018917	1.50154189	0.8854023063
1218	9883	9887	4	1.000043991	0.9126018113	0.9386997237	0.6179899978	1.501611751	0.885477401
1219	9887	9901	14	1.000153821	0.9127055489	0.9388053502	0.6178801674	1.501508013	0.8853717745
1220	9901	9907	6	1.000065847	0.9126375388	0.9387316277	0.617968142	1.501576024	0.885445497
1221	9907	9923	16	1.000175385	0.9127427548	0.9388382391	0.6178586037	1.501470808	0.8853388856
1222	9923	9929	6	1.000065685	0.9126566345	0.9387453617	0.6179683038	1.501556928	0.885431763
1223	9929	9931	2	1.000021885	0.9126219017	0.9387080275	0.618012104	1.501591661	0.8854690972
1224	9931	9941	10	1.000109355	0.9127034731	0.9387913946	0.6179246336	1.501510089	0.8853857301
1225	9941	9949	8	1.000087395	0.9126921544	0.9387770748	0.6179465933	1.501521408	0.8854000499
1226	9949	9967	18	1.000196366	0.9127985728	0.9388843947	0.6178376229	1.50141499	0.88529273
1227	9967	9973	6	1.000065364	0.9126946751	0.9387727209	0.6179686251	1.501518887	0.8854044038