

Time	Al	Ak	Af	Ap	Ar	Ag	Ab	0
	0	0	0	0	0	0	0	0
0.061287	0.039064	0.0388	0.142146	0.909317	0.340076	0.002734	0.000157	
0.122574	0.081694	0.062248	0.339289	2.086104	0.780272	0.006289	0.000375	
0.183861	0.11905	0.082451	0.548744	3.243382	1.213318	0.009803	0.000607	
0.245148	0.153403	0.101914	0.768533	4.370553	1.635283	0.013243	0.000851	
0.306435	0.185948	0.120823	0.998142	5.467038	2.045981	0.016604	0.001105	
0.367722	0.217231	0.139206	1.237225	6.533348	2.445621	0.019887	0.001371	
0.429009	0.247503	0.15708	1.485475	7.570197	2.834488	0.023092	0.001646	
0.490296	0.276885	0.174459	1.742605	8.578368	3.212883	0.026221	0.001932	
0.551583	0.305445	0.191359	2.008341	9.558651	3.581109	0.029274	0.002227	
0.61287	0.333225	0.207793	2.282419	10.51183	3.939461	0.032254	0.002531	
0.674157	0.360254	0.223773	2.564585	11.43868	4.288229	0.03516	0.002845	
0.735444	0.386558	0.239314	2.854591	12.33995	4.627688	0.037995	0.003168	
0.796731	0.412158	0.254427	3.152196	13.21637	4.958108	0.04076	0.003499	
0.858018	0.437075	0.269124	3.457168	14.06865	5.279747	0.043456	0.003839	
0.919305	0.46133	0.283419	3.769279	14.89748	5.592854	0.046084	0.004186	
0.980592	0.484941	0.297321	4.088309	15.70352	5.897672	0.048647	0.004542	
1.041879	0.507927	0.310843	4.414044	16.48744	6.194434	0.051145	0.004905	
1.103166	0.530305	0.323995	4.746277	17.24986	6.483364	0.05358	0.005276	
1.164454	0.552092	0.336788	5.084805	17.9914	6.764683	0.055952	0.005653	
1.225741	0.573305	0.349231	5.429433	18.71265	7.038601	0.058265	0.006038	
1.287028	0.593959	0.361335	5.779972	19.41419	7.305317	0.060518	0.00643	
1.348315	0.61407	0.37311	6.136234	20.09658	7.565036	0.062714	0.006828	
1.409602	0.633652	0.384565	6.498041	20.76037	7.817946	0.064853	0.007232	
1.470889	0.65272	0.395708	6.865222	21.40609	8.06423	0.066937	0.007643	
1.532176	0.671289	0.406549	7.237601	22.03425	8.304076	0.068967	0.00806	
1.593463	0.689372	0.417097	7.615018	22.64535	8.537654	0.070945	0.008482	
1.65475	0.706982	0.427359	7.997312	23.23988	8.765134	0.072872	0.00891	
1.716037	0.724132	0.437344	8.384325	23.81831	8.986685	0.074749	0.009344	
1.777324	0.740835	0.44706	8.775909	24.38109	9.202465	0.076577	0.009783	
1.838611	0.757103	0.456513	9.171916	24.92867	9.412631	0.078358	0.010227	
1.899898	0.772948	0.465713	9.572201	25.46149	9.617336	0.080092	0.010676	
1.961185	0.788381	0.474666	9.976629	25.97996	9.816725	0.081782	0.01113	
2.022472	0.803412	0.483378	10.38506	26.48449	10.01094	0.083427	0.011589	
2.083759	0.818054	0.491857	10.79737	26.97548	10.20013	0.08503	0.012053	
2.145046	0.832317	0.50011	11.21343	27.45331	10.38442	0.086591	0.01252	
2.206333	0.846211	0.508142	11.63311	27.91835	10.56395	0.088111	0.012992	
2.26762	0.859745	0.51596	12.05629	28.37096	10.73883	0.089592	0.013468	
2.328907	0.872929	0.52357	12.48287	28.8115	10.90921	0.091034	0.013949	
2.390194	0.885774	0.530978	12.91271	29.24032	11.0752	0.092439	0.014433	
2.451481	0.898287	0.53819	13.34572	29.65772	11.23691	0.093807	0.014921	
2.512768	0.910479	0.54521	13.78179	30.06404	11.39446	0.095139	0.015412	
2.574055	0.922357	0.552045	14.22082	30.4596	11.54797	0.096437	0.015907	
2.635342	0.93393	0.5587	14.66269	30.84469	11.69753	0.097701	0.016406	
2.696629	0.945206	0.56518	15.10733	31.21961	11.84326	0.098933	0.016908	
2.757916	0.956193	0.571489	15.55462	31.58465	11.98526	0.100132	0.017413	

2.819203	0.966899	0.577632	16.00447	31.94007	12.12363	0.1013	0.017922
2.88049	0.977332	0.583615	16.45681	32.28617	12.25846	0.102439	0.018433
2.941777	0.987499	0.589441	16.91153	32.62319	12.38986	0.103547	0.018947
3.003064	0.997407	0.595116	17.36856	32.9514	12.51791	0.104627	0.019464
3.064351	1.007062	0.600642	17.82781	33.27103	12.6427	0.105679	0.019984
3.125638	1.016473	0.606025	18.28919	33.58234	12.76433	0.106704	0.020507
3.186925	1.025645	0.611269	18.75264	33.88556	12.88287	0.107703	0.021032
3.248212	1.034584	0.616377	19.21808	34.18091	12.99841	0.108676	0.02156
3.309499	1.043298	0.621353	19.68543	34.46862	13.11103	0.109623	0.02209
3.370787	1.051793	0.626201	20.15462	34.74889	13.22081	0.110547	0.022623
3.432074	1.060073	0.630925	20.62558	35.02195	13.32783	0.111447	0.023158
3.493361	1.068145	0.635527	21.09824	35.28798	13.43215	0.112324	0.023694
3.554648	1.076015	0.640012	21.57254	35.54719	13.53386	0.113179	0.024234
3.615935	1.083688	0.644383	22.04841	35.79978	13.63302	0.114012	0.024775
3.677222	1.091169	0.648642	22.5258	36.04591	13.7297	0.114823	0.025318
3.738509	1.098463	0.652794	23.00463	36.28578	13.82397	0.115614	0.025863
3.799796	1.105576	0.65684	23.48486	36.51956	13.91589	0.116385	0.02641
3.861083	1.112513	0.660784	23.96643	36.74741	14.00553	0.117137	0.026959
3.92237	1.119277	0.664629	24.44927	36.96951	14.09294	0.11787	0.027509
3.983657	1.125875	0.668377	24.93335	37.18601	14.1782	0.118584	0.028061
4.044944	1.132309	0.672032	25.41859	37.39708	14.26134	0.119281	0.028615
4.106231	1.138586	0.675595	25.90496	37.60285	14.34244	0.11996	0.02917
4.167518	1.144708	0.67907	26.39241	37.80349	14.42155	0.120622	0.029727
4.228805	1.150681	0.682458	26.88088	37.99912	14.49872	0.121267	0.030286
4.290092	1.156507	0.685763	27.37033	38.1899	14.574	0.121897	0.030845
4.351379	1.162192	0.688986	27.86072	38.37596	14.64745	0.122511	0.031406
4.412666	1.167739	0.69213	28.352	38.55739	14.7191	0.12311	0.031969
4.473953	1.17315	0.695196	28.84413	38.73436	14.78901	0.123694	0.032532
4.53524	1.178431	0.698187	29.33708	38.90697	14.85723	0.124264	0.033097
4.596527	1.183585	0.701106	29.83079	39.07535	14.92381	0.124819	0.033663
4.657814	1.188614	0.703953	30.32524	39.23962	14.98878	0.125362	0.034231
4.719101	1.193524	0.706731	30.82037	39.39989	15.05219	0.125891	0.034799
4.780388	1.198316	0.709443	31.31616	39.55628	15.11408	0.126407	0.035368
4.841675	1.202994	0.712089	31.81256	39.7089	15.1745	0.126911	0.035938
4.902962	1.207561	0.714672	32.30955	39.85785	15.23348	0.127402	0.03651
4.964249	1.21202	0.717194	32.80707	40.00325	15.29107	0.127882	0.037082
5.025536	1.216375	0.719656	33.30511	40.1452	15.34731	0.12835	0.037655
5.086823	1.220628	0.722061	33.80362	40.2838	15.40223	0.128808	0.038229
5.14811	1.224783	0.724409	34.30258	40.41916	15.45587	0.129254	0.038804
5.209397	1.22884	0.726702	34.80196	40.55129	15.50826	0.12969	0.039379
5.270684	1.232803	0.728941	35.30175	40.68029	15.55941	0.130116	0.039956
5.331971	1.236674	0.731128	35.8019	40.80629	15.60939	0.130531	0.040533
5.393258	1.240457	0.733264	36.30237	40.92937	15.65822	0.130937	0.041111
5.454545	1.244153	0.735352	36.80316	41.04961	15.70593	0.131334	0.041689
5.515832	1.247765	0.737392	37.30422	41.1671	15.75255	0.131721	0.042268
5.57712	1.251296	0.739386	37.80553	41.28191	15.79812	0.1321	0.042848
5.638407	1.254748	0.741335	38.30706	41.39413	15.84266	0.132469	0.043428

5.699694	1.258122	0.743241	38.8088	41.50382	15.88621	0.132831	0.044009
5.760981	1.261421	0.745103	39.31073	41.61101	15.92877	0.133184	0.04459
5.822268	1.264646	0.746924	39.81282	41.7158	15.97038	0.133529	0.045172
5.883555	1.2678	0.748705	40.31504	41.81825	16.01107	0.133867	0.045754
5.944842	1.270885	0.750446	40.81738	41.91844	16.05087	0.134197	0.046337
6.006129	1.273902	0.752149	41.31982	42.01641	16.08979	0.134519	0.04692
6.067416	1.276854	0.753816	41.82234	42.11224	16.12786	0.134835	0.047504
6.128703	1.279742	0.755446	42.3249	42.20598	16.16511	0.135143	0.048087
6.18999	1.282568	0.757041	42.82751	42.29768	16.20155	0.135445	0.048672
6.251277	1.285334	0.758602	43.33014	42.38741	16.23721	0.135741	0.049256
6.312564	1.288041	0.76013	43.83277	42.47522	16.27211	0.13603	0.049841
6.373851	1.29069	0.761625	44.33538	42.56115	16.30627	0.136312	0.050427
6.435138	1.293284	0.763089	44.83796	42.64526	16.3397	0.136589	0.051012
6.496425	1.295823	0.764522	45.34049	42.7276	16.37243	0.13686	0.051598
6.557712	1.29831	0.765926	45.84296	42.80822	16.40448	0.137125	0.052184
6.618999	1.300746	0.767301	46.34535	42.88715	16.43587	0.137385	0.05277
6.680286	1.303131	0.768647	46.84765	42.96445	16.46661	0.137639	0.053357
6.741573	1.305468	0.769966	47.34983	43.04017	16.49672	0.137888	0.053944
6.80286	1.307757	0.771258	47.8519	43.11433	16.52621	0.138131	0.054531
6.864147	1.310001	0.772524	48.35383	43.187	16.55511	0.13837	0.055118
6.925434	1.312199	0.773766	48.85561	43.2582	16.58343	0.138604	0.055705
6.986721	1.314354	0.774982	49.35723	43.32798	16.61118	0.138834	0.056292
7.048008	1.316467	0.776175	49.85867	43.39637	16.63839	0.139058	0.05688
7.109295	1.318538	0.777344	50.35993	43.46342	16.66506	0.139279	0.057467
7.170582	1.320569	0.778491	50.86098	43.52917	16.69121	0.139495	0.058055
7.231869	1.322562	0.779616	51.36182	43.59364	16.71685	0.139706	0.058643
7.293156	1.324516	0.780719	51.86244	43.65688	16.74201	0.139914	0.059231
7.354443	1.326433	0.781802	52.36284	43.7189	16.76668	0.140117	0.059819
7.41573	1.328314	0.782864	52.86298	43.77975	16.79088	0.140317	0.060406
7.477017	1.33016	0.783907	53.36288	43.83946	16.81464	0.140513	0.060994
7.538304	1.331971	0.78493	53.86251	43.89806	16.83795	0.140705	0.061582
7.599591	1.33375	0.785935	54.36187	43.95558	16.86083	0.140894	0.06217
7.660878	1.335497	0.786922	54.86095	44.01206	16.88329	0.141079	0.062758
7.722165	1.337212	0.787891	55.35973	44.06752	16.90535	0.141261	0.063346
7.783453	1.338897	0.788843	55.85821	44.12199	16.92701	0.14144	0.063934
7.84474	1.340552	0.789779	56.35638	44.17551	16.9483	0.141615	0.064522
7.906027	1.342178	0.790698	56.85424	44.22807	16.9692	0.141787	0.06511
7.967314	1.343775	0.791602	57.35177	44.27972	16.98974	0.141957	0.065698
8.028601	1.345346	0.79249	57.84897	44.33047	17.00992	0.142123	0.066286
8.089888	1.34689	0.793363	58.34583	44.38037	17.02976	0.142286	0.066873
8.151175	1.348408	0.794221	58.84234	44.42942	17.04926	0.142447	0.067461
8.212462	1.3499	0.795066	59.33849	44.47766	17.06844	0.142605	0.068049
8.273749	1.351369	0.795897	59.83428	44.52511	17.0873	0.14276	0.068636
8.335036	1.352813	0.796714	60.3297	44.57178	17.10585	0.142913	0.069223
8.396323	1.354234	0.797518	60.82475	44.6177	17.12411	0.143063	0.069811
8.45761	1.355633	0.79831	61.31942	44.66288	17.14206	0.143211	0.070398
8.518897	1.357009	0.799089	61.8137	44.70735	17.15974	0.143356	0.070985

8.580184	1.358364	0.799857	62.30759	44.75112	17.17713	0.143499	0.071571
8.641471	1.359698	0.800612	62.80107	44.79422	17.19425	0.14364	0.072158
8.702758	1.361012	0.801357	63.29416	44.83666	17.21112	0.143779	0.072745
8.764045	1.362306	0.80209	63.78683	44.87846	17.22772	0.143915	0.073331
8.825332	1.363581	0.802812	64.2791	44.91963	17.24408	0.14405	0.073917
8.886619	1.364837	0.803524	64.77094	44.9602	17.26019	0.144182	0.074503
8.947906	1.366075	0.804226	65.26235	45.00017	17.27607	0.144313	0.075089
9.009193	1.367295	0.804917	65.75334	45.03957	17.29172	0.144441	0.075675
9.07048	1.368498	0.805599	66.2439	45.07841	17.30714	0.144568	0.076261
9.131767	1.369684	0.806272	66.73402	45.1167	17.32235	0.144693	0.076846
9.193054	1.370854	0.806935	67.22369	45.15446	17.33734	0.144816	0.077431
9.254341	1.372007	0.80759	67.71292	45.1917	17.35213	0.144938	0.078016
9.315628	1.373145	0.808235	68.20171	45.22844	17.36671	0.145057	0.078601
9.376915	1.374268	0.808873	68.69003	45.26469	17.3811	0.145175	0.079185
9.438202	1.375376	0.809502	69.1779	45.30046	17.3953	0.145292	0.07977
9.499489	1.37647	0.810123	69.66531	45.33576	17.40931	0.145407	0.080354
9.560776	1.37755	0.810736	70.15226	45.37061	17.42314	0.145521	0.080938
9.622063	1.378616	0.811341	70.63874	45.40502	17.4368	0.145633	0.081522
9.68335	1.379668	0.811939	71.12474	45.439	17.45028	0.145743	0.082105
9.744637	1.380708	0.81253	71.61028	45.47256	17.46359	0.145853	0.082688
9.805924	1.381736	0.813114	72.09533	45.50571	17.47674	0.145961	0.083271
9.867211	1.382751	0.81369	72.57991	45.53847	17.48974	0.146067	0.083854
9.928498	1.383754	0.814261	73.064	45.57084	17.50258	0.146173	0.084436
9.989785	1.384745	0.814824	73.54761	45.60283	17.51527	0.146277	0.085019
10.05107	1.385725	0.815381	74.03074	45.63445	17.5278	0.14638	0.085601
10.11236	1.386694	0.815932	74.51337	45.66571	17.5402	0.146481	0.086182
10.17365	1.387652	0.816477	74.99551	45.69661	17.55245	0.146582	0.086764
10.23493	1.388599	0.817016	75.47716	45.72718	17.56457	0.146681	0.087345
10.29622	1.389537	0.817549	75.95831	45.75741	17.57656	0.146779	0.087926
10.35751	1.390464	0.818077	76.43896	45.78732	17.58841	0.146877	0.088507
10.41879	1.391381	0.818599	76.91911	45.81691	17.60014	0.146973	0.089087
10.48008	1.392289	0.819116	77.39875	45.8462	17.61175	0.147068	0.089667
10.54137	1.393188	0.819628	77.87789	45.8752	17.62324	0.147162	0.090247
10.60266	1.394078	0.820135	78.35652	45.9039	17.63462	0.147255	0.090827
10.66394	1.394959	0.820636	78.83464	45.93233	17.64588	0.147348	0.091406
10.72523	1.395832	0.821134	79.31225	45.96048	17.65703	0.147439	0.091985
10.78652	1.396697	0.821626	79.78934	45.98837	17.66808	0.14753	0.092563
10.8478	1.397554	0.822115	80.26592	46.01602	17.67903	0.147619	0.093142
10.90909	1.398402	0.822598	80.74198	46.04338	17.68986	0.147708	0.09372
10.97038	1.399242	0.823077	81.21754	46.07047	17.70059	0.147796	0.094298
11.03166	1.400075	0.823552	81.69258	46.09732	17.71122	0.147883	0.094875
11.09295	1.4009	0.824022	82.1671	46.12392	17.72176	0.147969	0.095453
11.15424	1.401718	0.824489	82.64109	46.1503	17.7322	0.148055	0.09603
11.21553	1.402529	0.824951	83.11457	46.17645	17.74255	0.14814	0.096606
11.27681	1.403333	0.82541	83.58752	46.20238	17.75282	0.148224	0.097182
11.3381	1.40413	0.825865	84.05994	46.2281	17.763	0.148307	0.097758
11.39939	1.404922	0.826316	84.53184	46.25361	17.7731	0.14839	0.098334

11.46067	1.405707	0.826764	85.00321	46.27893	17.78312	0.148472	0.09891
11.52196	1.406486	0.827209	85.47404	46.30405	17.79306	0.148553	0.099485
11.58325	1.407259	0.827651	85.94435	46.32899	17.80293	0.148634	0.100059
11.64454	1.408027	0.828089	86.41412	46.35376	17.81272	0.148714	0.100634
11.70582	1.40879	0.828525	86.88335	46.37835	17.82245	0.148794	0.101208
11.76711	1.409547	0.828958	87.35205	46.40279	17.83211	0.148873	0.101782
11.8284	1.410298	0.829386	87.82023	46.42699	17.84168	0.148951	0.102355
11.88968	1.411043	0.829812	88.28789	46.45101	17.85119	0.149029	0.102928
11.95097	1.411783	0.830235	88.755	46.47487	17.86062	0.149106	0.103501
12.01226	1.412518	0.830655	89.22159	46.49857	17.86999	0.149183	0.104073
12.07354	1.413248	0.831072	89.68763	46.52211	17.8793	0.149259	0.104646
12.13483	1.413973	0.831487	90.15314	46.54549	17.88855	0.149334	0.105217
12.19612	1.414694	0.831899	90.61812	46.56873	17.89773	0.14941	0.105789
12.25741	1.415411	0.832308	91.08255	46.59183	17.90686	0.149484	0.10636
12.31869	1.416123	0.832715	91.54645	46.61478	17.91594	0.149558	0.106931
12.37998	1.41683	0.83312	92.0098	46.6376	17.92496	0.149632	0.107501
12.44127	1.417534	0.833523	92.47261	46.6603	17.93393	0.149706	0.108072
12.50255	1.418234	0.833923	92.93489	46.68286	17.94285	0.149778	0.108641
12.56384	1.418931	0.834322	93.39662	46.70531	17.95172	0.149851	0.109211
12.62513	1.419623	0.834718	93.8578	46.72765	17.96054	0.149923	0.10978
12.68641	1.420312	0.835112	94.31845	46.74986	17.96932	0.149995	0.110349
12.7477	1.420997	0.835504	94.77856	46.77191	17.97803	0.150066	0.110917
12.80899	1.421677	0.835893	95.23814	46.79385	17.9867	0.150137	0.111485
12.87028	1.422354	0.836281	95.69717	46.81567	17.99532	0.150207	0.112053
12.93156	1.423028	0.836666	96.15566	46.83738	18.0039	0.150277	0.112621
12.99285	1.423698	0.83705	96.61361	46.85899	18.01243	0.150347	0.113188
13.05414	1.424364	0.837432	97.07102	46.88048	18.02092	0.150416	0.113754
13.11542	1.425028	0.837812	97.52789	46.90187	18.02937	0.150485	0.114321
13.17671	1.425689	0.83819	97.98421	46.92316	18.03778	0.150554	0.114887
13.238	1.426346	0.838566	98.44	46.94435	18.04615	0.150622	0.115452
13.29928	1.427	0.838941	98.89524	46.96545	18.05448	0.15069	0.116018
13.36057	1.427652	0.839314	99.34993	46.98645	18.06277	0.150758	0.116583
13.42186	1.4283	0.839686	99.80409	47.00736	18.07103	0.150825	0.117147
13.48315	1.428946	0.840056	100.2577	47.02818	18.07925	0.150893	0.117712
13.54443	1.429589	0.840424	100.7108	47.04891	18.08743	0.150959	0.118276
13.60572	1.430229	0.840791	101.1633	47.06955	18.09558	0.151026	0.118839
13.66701	1.430867	0.841156	101.6153	47.09009	18.10369	0.151092	0.119402
13.72829	1.431501	0.84152	102.0667	47.11056	18.11177	0.151158	0.119965
13.78958	1.432134	0.841882	102.5176	47.13094	18.11981	0.151224	0.120528
13.85087	1.432763	0.842243	102.968	47.15123	18.12782	0.151289	0.12109
13.91216	1.43339	0.842603	103.4178	47.17145	18.1358	0.151354	0.121652
13.97344	1.434015	0.842961	103.8671	47.19159	18.14375	0.151419	0.122213
14.03473	1.434637	0.843318	104.3159	47.21165	18.15166	0.151484	0.122774
14.09602	1.435257	0.843673	104.7641	47.23163	18.15955	0.151548	0.123335
14.1573	1.435875	0.844027	105.2117	47.25154	18.1674	0.151612	0.123896
14.21859	1.43649	0.84438	105.6589	47.27138	18.17523	0.151676	0.124456
14.27988	1.437103	0.844732	106.1054	47.29114	18.18303	0.15174	0.125015

14.34116	1.437714	0.845082	106.5515	47.31084	18.19079	0.151804	0.125575
14.40245	1.438323	0.845431	106.997	47.33046	18.19853	0.151867	0.126134
14.46374	1.438929	0.845779	107.442	47.35001	18.20625	0.15193	0.126692
14.52503	1.439534	0.846126	107.8864	47.3695	18.21394	0.151993	0.12725
14.58631	1.440136	0.846472	108.3303	47.38892	18.2216	0.152055	0.127808
14.6476	1.440737	0.846816	108.7736	47.40828	18.22923	0.152117	0.128366
14.70889	1.441335	0.84716	109.2164	47.42758	18.23684	0.15218	0.128923
14.77017	1.441932	0.847502	109.6587	47.44681	18.24443	0.152241	0.12948
14.83146	1.442526	0.847843	110.1005	47.46598	18.25199	0.152303	0.130036
14.89275	1.443119	0.848184	110.5417	47.48509	18.25952	0.152365	0.130592
14.95403	1.44371	0.848523	110.9823	47.50414	18.26704	0.152426	0.131148
15.01532	1.444299	0.848861	111.4225	47.52313	18.27453	0.152487	0.131704
15.07661	1.444887	0.849198	111.8621	47.54207	18.28199	0.152548	0.132259
15.1379	1.445472	0.849534	112.3011	47.56094	18.28944	0.152609	0.132813
15.19918	1.446056	0.84987	112.7396	47.57977	18.29686	0.15267	0.133367
15.26047	1.446639	0.850204	113.1776	47.59854	18.30427	0.15273	0.133921
15.32176	1.447219	0.850537	113.6151	47.61726	18.31165	0.15279	0.134475
15.38304	1.447799	0.85087	114.052	47.63592	18.31901	0.15285	0.135028
15.44433	1.448376	0.851201	114.4884	47.65453	18.32635	0.15291	0.135581
15.50562	1.448952	0.851532	114.9243	47.67309	18.33367	0.15297	0.136133
15.56691	1.449526	0.851861	115.3596	47.6916	18.34096	0.15303	0.136686
15.62819	1.450099	0.85219	115.7944	47.71006	18.34824	0.153089	0.137237
15.68948	1.45067	0.852518	116.2286	47.72847	18.3555	0.153148	0.137789
15.75077	1.45124	0.852845	116.6624	47.74683	18.36275	0.153207	0.13834
15.81205	1.451808	0.853171	117.0956	47.76514	18.36997	0.153266	0.13889
15.87334	1.452375	0.853497	117.5282	47.78342	18.37717	0.153325	0.139441
15.93463	1.452941	0.853822	117.9604	47.80164	18.38436	0.153384	0.139991
15.99591	1.453505	0.854146	118.392	47.81982	18.39153	0.153442	0.14054
16.0572	1.454068	0.854469	118.823	47.83796	18.39869	0.153501	0.141089
16.11849	1.45463	0.854791	119.2536	47.85606	18.40582	0.153559	0.141638
16.17978	1.45519	0.855113	119.6836	47.87412	18.41295	0.153617	0.142187
16.24106	1.45575	0.855434	120.1131	47.89214	18.42005	0.153675	0.142735
16.30235	1.456308	0.855755	120.5421	47.91011	18.42714	0.153733	0.143283
16.36364	1.456864	0.856074	120.9705	47.92804	18.43421	0.15379	0.14383
16.42492	1.457419	0.856393	121.3984	47.94593	18.44127	0.153848	0.144377
16.48621	1.457974	0.856711	121.8258	47.96378	18.44831	0.153905	0.144924
16.5475	1.458526	0.857028	122.2526	47.98159	18.45533	0.153963	0.14547
16.60878	1.459078	0.857345	122.679	47.99936	18.46234	0.15402	0.146016
16.67007	1.459629	0.857661	123.1048	48.01709	18.46934	0.154077	0.146561
16.73136	1.460178	0.857977	123.5301	48.03479	18.47632	0.154134	0.147107
16.79265	1.460726	0.858292	123.9548	48.05245	18.48328	0.154191	0.147651
16.85393	1.461274	0.858606	124.3791	48.07008	18.49023	0.154247	0.148196
16.91522	1.46182	0.858919	124.8028	48.08767	18.49717	0.154304	0.14874
16.97651	1.462365	0.859232	125.226	48.10522	18.5041	0.15436	0.149284
17.03779	1.462909	0.859545	125.6486	48.12275	18.51101	0.154417	0.149827
17.09908	1.463452	0.859856	126.0708	48.14023	18.51791	0.154473	0.15037
17.16037	1.463994	0.860168	126.4924	48.15769	18.52479	0.154529	0.150913

17.22165	1.464535	0.860478	126.9135	48.17511	18.53166	0.154585	0.151455
17.28294	1.465074	0.860788	127.3341	48.1925	18.53852	0.154641	0.151997
17.34423	1.465613	0.861098	127.7542	48.20985	18.54536	0.154697	0.152538
17.40552	1.466151	0.861406	128.1737	48.22717	18.55219	0.154752	0.15308
17.4668	1.466688	0.861715	128.5928	48.24446	18.55901	0.154808	0.15362
17.52809	1.467224	0.862022	129.0113	48.26171	18.56582	0.154863	0.154161
17.58938	1.467758	0.862329	129.4293	48.27894	18.57261	0.154919	0.154701
17.65066	1.468292	0.862636	129.8468	48.29613	18.57939	0.154974	0.155241
17.71195	1.468825	0.862942	130.2637	48.3133	18.58616	0.155029	0.15578
17.77324	1.469357	0.863248	130.6802	48.33043	18.59292	0.155084	0.156319
17.83453	1.469888	0.863552	131.0961	48.34753	18.59966	0.155139	0.156857
17.89581	1.470418	0.863857	131.5115	48.3646	18.60639	0.155194	0.157396
17.9571	1.470947	0.864161	131.9265	48.38164	18.61311	0.155249	0.157934
18.01839	1.471476	0.864464	132.3408	48.39866	18.61982	0.155304	0.158471
18.07967	1.472003	0.864767	132.7547	48.41564	18.62652	0.155358	0.159008
18.14096	1.472529	0.865069	133.1681	48.43259	18.63321	0.155413	0.159545
18.20225	1.473055	0.865371	133.581	48.44952	18.63988	0.155467	0.160081
18.26353	1.473579	0.865673	133.9933	48.46642	18.64654	0.155522	0.160617
18.32482	1.474103	0.865973	134.4052	48.48329	18.6532	0.155576	0.161153
18.38611	1.474626	0.866274	134.8165	48.50013	18.65984	0.15563	0.161688
18.4474	1.475148	0.866574	135.2273	48.51694	18.66647	0.155684	0.162223
18.50868	1.475669	0.866873	135.6376	48.53373	18.67309	0.155738	0.162758
18.56997	1.47619	0.867172	136.0474	48.55049	18.6797	0.155792	0.163292
18.63126	1.476709	0.86747	136.4567	48.56722	18.68629	0.155846	0.163826
18.69254	1.477228	0.867768	136.8655	48.58392	18.69288	0.155899	0.16436
18.75383	1.477745	0.868066	137.2738	48.60059	18.69945	0.155953	0.164893
18.81512	1.478262	0.868362	137.6816	48.61724	18.70602	0.156006	0.165425
18.8764	1.478779	0.868659	138.0888	48.63386	18.71257	0.15606	0.165958
18.93769	1.479294	0.868955	138.4956	48.65046	18.71912	0.156113	0.16649
18.99898	1.479808	0.86925	138.9019	48.66703	18.72565	0.156166	0.167022
19.06027	1.480322	0.869546	139.3076	48.68357	18.73218	0.15622	0.167553
19.12155	1.480835	0.86984	139.7129	48.70009	18.73869	0.156273	0.168084
19.18284	1.481347	0.870134	140.1177	48.71658	18.74519	0.156326	0.168614
19.24413	1.481858	0.870428	140.5219	48.73304	18.75169	0.156379	0.169145
19.30541	1.482369	0.870721	140.9257	48.74948	18.75817	0.156431	0.169674
19.3667	1.482879	0.871014	141.3289	48.7659	18.76464	0.156484	0.170204
19.42799	1.483388	0.871306	141.7317	48.78229	18.77111	0.156537	0.170733
19.48927	1.483896	0.871598	142.1339	48.79866	18.77756	0.15659	0.171262
19.55056	1.484403	0.87189	142.5357	48.815	18.78401	0.156642	0.17179
19.61185	1.48491	0.872181	142.937	48.83131	18.79044	0.156694	0.172318
19.67314	1.485416	0.872472	143.3377	48.8476	18.79687	0.156747	0.172846
19.73442	1.485921	0.872762	143.738	48.86387	18.80328	0.156799	0.173373
19.79571	1.486426	0.873051	144.1378	48.88011	18.80969	0.156851	0.1739
19.857	1.48693	0.873341	144.537	48.89633	18.81609	0.156903	0.174427
19.91828	1.487433	0.87363	144.9358	48.91253	18.82248	0.156955	0.174953
19.97957	1.487935	0.873918	145.3341	48.9287	18.82885	0.157007	0.175479
20.04086	1.488437	0.874206	145.7319	48.94484	18.83522	0.157059	0.176004

20.10215	1.488938	0.874494	146.1292	48.96097	18.84158	0.157111	0.176529
20.16343	1.489438	0.874781	146.526	48.97707	18.84793	0.157163	0.177054
20.22472	1.489937	0.875068	146.9223	48.99315	18.85428	0.157215	0.177578
20.28601	1.490436	0.875354	147.3181	49.0092	18.86061	0.157266	0.178102
20.34729	1.490934	0.87564	147.7134	49.02523	18.86693	0.157318	0.178626
20.40858	1.491431	0.875926	148.1083	49.04124	18.87325	0.157369	0.179149
20.46987	1.491928	0.876211	148.5026	49.05723	18.87956	0.157421	0.179672
20.53115	1.492424	0.876496	148.8965	49.07319	18.88585	0.157472	0.180195
20.59244	1.492919	0.87678	149.2898	49.08913	18.89214	0.157523	0.180717
20.65373	1.493414	0.877064	149.6827	49.10505	18.89842	0.157574	0.181239
20.71502	1.493908	0.877348	150.0751	49.12095	18.9047	0.157625	0.181761
20.7763	1.494401	0.877631	150.467	49.13682	18.91096	0.157676	0.182282
20.83759	1.494893	0.877914	150.8585	49.15268	18.91721	0.157727	0.182802
20.89888	1.495385	0.878196	151.2494	49.16851	18.92346	0.157778	0.183323
20.96016	1.495876	0.878478	151.6398	49.18432	18.9297	0.157829	0.183843
21.02145	1.496367	0.87876	152.0298	49.2001	18.93593	0.15788	0.184362
21.08274	1.496857	0.879041	152.4193	49.21587	18.94215	0.15793	0.184882
21.14402	1.497346	0.879322	152.8083	49.23161	18.94836	0.157981	0.185401
21.20531	1.497835	0.879603	153.1968	49.24734	18.95456	0.158031	0.185919
21.2666	1.498323	0.879883	153.5848	49.26304	18.96076	0.158082	0.186438
21.32789	1.49881	0.880163	153.9724	49.27872	18.96695	0.158132	0.186955
21.38917	1.499296	0.880442	154.3594	49.29438	18.97312	0.158183	0.187473
21.45046	1.499782	0.880721	154.746	49.31001	18.97929	0.158233	0.18799
21.51175	1.500268	0.881	155.1321	49.32563	18.98546	0.158283	0.188507
21.57303	1.500752	0.881278	155.5178	49.34123	18.99161	0.158333	0.189023
21.63432	1.501236	0.881556	155.9029	49.35681	18.99776	0.158383	0.189539
21.69561	1.50172	0.881833	156.2876	49.37236	19.00389	0.158433	0.190055
21.75689	1.502202	0.882111	156.6718	49.38789	19.01002	0.158483	0.19057
21.81818	1.502684	0.882387	157.0555	49.40341	19.01614	0.158533	0.191085
21.87947	1.503166	0.882664	157.4387	49.4189	19.02226	0.158583	0.1916
21.94076	1.503647	0.88294	157.8215	49.43437	19.02836	0.158632	0.192114
22.00204	1.504127	0.883216	158.2038	49.44982	19.03446	0.158682	0.192628
22.06333	1.504606	0.883491	158.5856	49.46526	19.04055	0.158732	0.193142
22.12462	1.505085	0.883766	158.9669	49.48067	19.04663	0.158781	0.193655
22.1859	1.505563	0.88404	159.3478	49.49606	19.0527	0.158831	0.194168
22.24719	1.506041	0.884315	159.7282	49.51143	19.05877	0.15888	0.19468
22.30848	1.506518	0.884589	160.1081	49.52678	19.06483	0.158929	0.195192
22.36977	1.506995	0.884862	160.4876	49.54211	19.07087	0.158979	0.195704
22.43105	1.50747	0.885135	160.8665	49.55742	19.07692	0.159028	0.196215
22.49234	1.507945	0.885408	161.245	49.57271	19.08295	0.159077	0.196726
22.55363	1.50842	0.885681	161.6231	49.58798	19.08898	0.159126	0.197237
22.61491	1.508894	0.885953	162.0006	49.60323	19.09499	0.159175	0.197747
22.6762	1.509367	0.886225	162.3777	49.61846	19.101	0.159224	0.198257
22.73749	1.50984	0.886496	162.7544	49.63368	19.10701	0.159273	0.198767
22.79877	1.510312	0.886767	163.1305	49.64887	19.113	0.159322	0.199276
22.86006	1.510784	0.887038	163.5062	49.66404	19.11899	0.15937	0.199785
22.92135	1.511255	0.887308	163.8814	49.6792	19.12497	0.159419	0.200293

22.98264	1.511725	0.887578	164.2562	49.69433	19.13094	0.159468	0.200802
23.04392	1.512195	0.887848	164.6305	49.70945	19.13691	0.159516	0.201309
23.10521	1.512664	0.888117	165.0043	49.72455	19.14287	0.159565	0.201817
23.1665	1.513133	0.888386	165.3777	49.73962	19.14882	0.159613	0.202324
23.22778	1.513601	0.888655	165.7506	49.75468	19.15476	0.159662	0.202831
23.28907	1.514068	0.888923	166.123	49.76972	19.16069	0.15971	0.203337
23.35036	1.514535	0.889191	166.495	49.78474	19.16662	0.159758	0.203843
23.41164	1.515001	0.889459	166.8665	49.79974	19.17254	0.159806	0.204349
23.47293	1.515467	0.889726	167.2376	49.81472	19.17845	0.159855	0.204854
23.53422	1.515932	0.889993	167.6081	49.82968	19.18436	0.159903	0.205359
23.59551	1.516396	0.89026	167.9783	49.84462	19.19025	0.159951	0.205863
23.65679	1.51686	0.890526	168.3479	49.85955	19.19614	0.159999	0.206368
23.71808	1.517323	0.890792	168.7171	49.87445	19.20202	0.160046	0.206872
23.77937	1.517786	0.891058	169.0859	49.88933	19.2079	0.160094	0.207375
23.84065	1.518248	0.891323	169.4542	49.9042	19.21377	0.160142	0.207878
23.90194	1.518709	0.891588	169.822	49.91904	19.21963	0.16019	0.208381
23.96323	1.51917	0.891852	170.1894	49.93387	19.22548	0.160237	0.208883
24.02451	1.51963	0.892117	170.5563	49.94868	19.23132	0.160285	0.209385
24.0858	1.52009	0.89238	170.9228	49.96346	19.23716	0.160332	0.209887
24.14709	1.520549	0.892644	171.2888	49.97823	19.24299	0.16038	0.210389
24.20838	1.521008	0.892907	171.6544	49.99298	19.24881	0.160427	0.21089
24.26966	1.521465	0.89317	172.0195	50.00771	19.25462	0.160475	0.21139
24.33095	1.521923	0.893432	172.3841	50.02241	19.26043	0.160522	0.211891
24.39224	1.522379	0.893694	172.7483	50.0371	19.26623	0.160569	0.212391
24.45352	1.522836	0.893956	173.112	50.05178	19.27202	0.160616	0.21289
24.51481	1.523291	0.894218	173.4753	50.06644	19.27781	0.160663	0.213389
24.5761	1.523747	0.894479	173.8382	50.08108	19.28359	0.16071	0.213888
24.63739	1.524201	0.89474	174.2006	50.0957	19.28936	0.160757	0.214387
24.69867	1.524655	0.895001	174.5625	50.11031	19.29513	0.160804	0.214885
24.75996	1.525109	0.895261	174.924	50.1249	19.30089	0.160851	0.215383
24.82125	1.525562	0.895521	175.285	50.13947	19.30664	0.160898	0.21588
24.88253	1.526014	0.895781	175.6456	50.15402	19.31238	0.160945	0.216377
24.94382	1.526466	0.89604	176.0057	50.16855	19.31812	0.160991	0.216874
25.00511	1.526917	0.896299	176.3654	50.18306	19.32385	0.161038	0.21737
25.06639	1.527368	0.896558	176.7247	50.19756	19.32957	0.161085	0.217866
25.12768	1.527818	0.896816	177.0835	50.21204	19.33529	0.161131	0.218362
25.18897	1.528267	0.897074	177.4418	50.2265	19.34099	0.161178	0.218858
25.25026	1.528716	0.897332	177.7997	50.24094	19.34669	0.161224	0.219353
25.31154	1.529165	0.897589	178.1572	50.25536	19.35239	0.16127	0.219847
25.37283	1.529613	0.897846	178.5142	50.26976	19.35808	0.161317	0.220341
25.43412	1.53006	0.898103	178.8708	50.28414	19.36375	0.161363	0.220835
25.4954	1.530506	0.898359	179.2269	50.29851	19.36943	0.161409	0.221329
25.55669	1.530953	0.898615	179.5826	50.31286	19.37509	0.161455	0.221822
25.61798	1.531398	0.898871	179.9379	50.32719	19.38075	0.161501	0.222315
25.67926	1.531843	0.899126	180.2927	50.3415	19.3864	0.161547	0.222808
25.74055	1.532288	0.899381	180.647	50.35579	19.39204	0.161593	0.2233
25.80184	1.532732	0.899636	181.0009	50.37006	19.39768	0.161639	0.223792

25.86313	1.533175	0.89989	181.3544	50.38432	19.40331	0.161685	0.224283
25.92441	1.533618	0.900144	181.7075	50.39855	19.40893	0.16173	0.224774
25.9857	1.53406	0.900398	182.0601	50.41277	19.41455	0.161776	0.225265
26.04699	1.534501	0.900651	182.4123	50.42696	19.42015	0.161822	0.225755
26.10827	1.534942	0.900904	182.764	50.44114	19.42575	0.161867	0.226245
26.16956	1.535383	0.901157	183.1153	50.4553	19.43135	0.161913	0.226735
26.23085	1.535823	0.901409	183.4661	50.46944	19.43693	0.161958	0.227224
26.29213	1.536262	0.901661	183.8166	50.48356	19.44251	0.162004	0.227713
26.35342	1.536701	0.901913	184.1666	50.49768	19.44808	0.162049	0.228202
26.41471	1.537139	0.902164	184.5161	50.51177	19.45365	0.162094	0.22869
26.476	1.537577	0.902416	184.8652	50.52585	19.45921	0.162139	0.229178
26.53728	1.538014	0.902667	185.2139	50.53991	19.46476	0.162185	0.229666
26.59857	1.538451	0.902917	185.5622	50.55396	19.47031	0.16223	0.230153
26.65986	1.538887	0.903167	185.91	50.56798	19.47585	0.162275	0.23064
26.72114	1.539323	0.903417	186.2574	50.58199	19.48138	0.16232	0.231127
26.78243	1.539758	0.903667	186.6043	50.59598	19.48691	0.162365	0.231613
26.84372	1.540193	0.903916	186.9508	50.60995	19.49243	0.16241	0.232099
26.90501	1.540627	0.904165	187.2969	50.62391	19.49794	0.162455	0.232584
26.96629	1.54106	0.904414	187.6426	50.63784	19.50344	0.162499	0.233069
27.02758	1.541493	0.904662	187.9878	50.65176	19.50894	0.162544	0.233554
27.08887	1.541926	0.904911	188.3326	50.66566	19.51443	0.162589	0.234039
27.15015	1.542358	0.905158	188.677	50.67955	19.51992	0.162633	0.234523
27.21144	1.542789	0.905406	189.0209	50.69341	19.52539	0.162678	0.235006
27.27273	1.54322	0.905653	189.3644	50.70726	19.53086	0.162722	0.23549
27.33401	1.54365	0.9059	189.7075	50.72109	19.53633	0.162767	0.235973
27.3953	1.54408	0.906146	190.0502	50.73491	19.54178	0.162811	0.236456
27.45659	1.544509	0.906392	190.3924	50.7487	19.54723	0.162855	0.236938
27.51788	1.544938	0.906638	190.7343	50.76248	19.55268	0.1629	0.23742
27.57916	1.545366	0.906884	191.0756	50.77624	19.55811	0.162944	0.237902
27.64045	1.545793	0.907129	191.4166	50.78999	19.56354	0.162988	0.238383
27.70174	1.54622	0.907374	191.7571	50.80371	19.56896	0.163032	0.238864
27.76302	1.546647	0.907619	192.0973	50.81742	19.57438	0.163076	0.239345
27.82431	1.547073	0.907863	192.437	50.83111	19.57979	0.16312	0.239825
27.8856	1.547498	0.908107	192.7762	50.84478	19.58519	0.163164	0.240305
27.94688	1.547923	0.908351	193.1151	50.85844	19.59058	0.163208	0.240784
28.00817	1.548347	0.908594	193.4535	50.87208	19.59597	0.163252	0.241264
28.06946	1.548771	0.908837	193.7915	50.8857	19.60135	0.163296	0.241743
28.13075	1.549194	0.90908	194.1291	50.8993	19.60672	0.163339	0.242221
28.19203	1.549617	0.909322	194.4663	50.91288	19.61209	0.163383	0.242699
28.25332	1.550039	0.909564	194.803	50.92646	19.61745	0.163427	0.243177
28.31461	1.550461	0.909806	195.1394	50.94001	19.62281	0.16347	0.243655
28.37589	1.550882	0.910048	195.4753	50.95355	19.62816	0.163514	0.244132
28.43718	1.551303	0.910289	195.8108	50.96707	19.6335	0.163557	0.244609
28.49847	1.551723	0.91053	196.1459	50.98058	19.63883	0.1636	0.245085
28.55975	1.552142	0.910771	196.4805	50.99406	19.64416	0.163644	0.245561
28.62104	1.552561	0.911011	196.8148	51.00753	19.64949	0.163687	0.246037
28.68233	1.55298	0.911251	197.1486	51.02099	19.6548	0.16373	0.246512

28.74362	1.553398	0.911491	197.482	51.03443	19.66011	0.163774	0.246987
28.8049	1.553816	0.911731	197.815	51.04785	19.66541	0.163817	0.247462
28.86619	1.554233	0.91197	198.1476	51.06125	19.67071	0.16386	0.247937
28.92748	1.554649	0.912209	198.4798	51.07464	19.676	0.163903	0.248411
28.98876	1.555065	0.912447	198.8115	51.08801	19.68128	0.163946	0.248884
29.05005	1.555481	0.912686	199.1429	51.10136	19.68656	0.163989	0.249358
29.11134	1.555896	0.912924	199.4738	51.1147	19.69183	0.164031	0.249831
29.17263	1.55631	0.913161	199.8044	51.12802	19.69709	0.164074	0.250303
29.23391	1.556724	0.913399	200.1345	51.14132	19.70235	0.164117	0.250776
29.2952	1.557138	0.913636	200.4642	51.15461	19.7076	0.16416	0.251248
29.35649	1.557551	0.913873	200.7935	51.16788	19.71284	0.164202	0.251719
29.41777	1.557963	0.914109	201.1224	51.18113	19.71808	0.164245	0.252191
29.47906	1.558375	0.914345	201.4508	51.19437	19.72331	0.164287	0.252662
29.54035	1.558787	0.914581	201.7789	51.20759	19.72854	0.16433	0.253132
29.60163	1.559198	0.914817	202.1066	51.2208	19.73375	0.164372	0.253603
29.66292	1.559608	0.915052	202.4338	51.23398	19.73897	0.164415	0.254072
29.72421	1.560018	0.915287	202.7607	51.24716	19.74417	0.164457	0.254542
29.7855	1.560427	0.915522	203.0871	51.26031	19.74937	0.164499	0.255011
29.84678	1.560836	0.915757	203.4132	51.27345	19.75456	0.164541	0.25548
29.90807	1.561245	0.915991	203.7388	51.28657	19.75975	0.164584	0.255949
29.96936	1.561652	0.916225	204.064	51.29968	19.76493	0.164626	0.256417
30.03064	1.56206	0.916458	204.3888	51.31277	19.7701	0.164668	0.256885
30.09193	1.562467	0.916692	204.7133	51.32584	19.77527	0.16471	0.257352
30.15322	1.562873	0.916925	205.0373	51.3389	19.78043	0.164752	0.25782
30.2145	1.563279	0.917157	205.3609	51.35194	19.78558	0.164794	0.258286
30.27579	1.563684	0.91739	205.6841	51.36497	19.79073	0.164836	0.258753
30.33708	1.564089	0.917622	206.0069	51.37798	19.79587	0.164877	0.259219
30.39837	1.564494	0.917854	206.3293	51.39097	19.80101	0.164919	0.259685
30.45965	1.564898	0.918085	206.6513	51.40395	19.80614	0.164961	0.26015
30.52094	1.565301	0.918317	206.9729	51.41691	19.81126	0.165002	0.260616
30.58223	1.565704	0.918548	207.2941	51.42985	19.81638	0.165044	0.26108
30.64351	1.566106	0.918778	207.6149	51.44278	19.82149	0.165086	0.261545
30.7048	1.566508	0.919009	207.9353	51.4557	19.82659	0.165127	0.262009
30.76609	1.56691	0.919239	208.2554	51.46859	19.83169	0.165168	0.262473
30.82737	1.567311	0.919469	208.575	51.48147	19.83678	0.16521	0.262936
30.88866	1.567711	0.919698	208.8942	51.49434	19.84187	0.165251	0.263399
30.94995	1.568111	0.919928	209.213	51.50719	19.84694	0.165292	0.263862
31.01124	1.568511	0.920157	209.5314	51.52002	19.85202	0.165334	0.264324
31.07252	1.56891	0.920386	209.8495	51.53284	19.85708	0.165375	0.264787
31.13381	1.569308	0.920614	210.1671	51.54564	19.86214	0.165416	0.265248
31.1951	1.569706	0.920842	210.4843	51.55843	19.8672	0.165457	0.26571
31.25638	1.570104	0.92107	210.8012	51.5712	19.87225	0.165498	0.266171
31.31767	1.570501	0.921298	211.1176	51.58395	19.87729	0.165539	0.266632
31.37896	1.570897	0.921525	211.4337	51.59669	19.88232	0.16558	0.267092
31.44025	1.571293	0.921752	211.7493	51.60942	19.88735	0.165621	0.267552
31.50153	1.571689	0.921979	212.0646	51.62212	19.89238	0.165662	0.268012
31.56282	1.572084	0.922205	212.3795	51.63482	19.8974	0.165703	0.268471

31.62411	1.572479	0.922432	212.694	51.64749	19.90241	0.165743	0.26893
31.68539	1.572873	0.922658	213.0081	51.66015	19.90741	0.165784	0.269389
31.74668	1.573266	0.922883	213.3218	51.6728	19.91241	0.165825	0.269847
31.80797	1.57366	0.923109	213.6351	51.68543	19.91741	0.165865	0.270305
31.86925	1.574052	0.923334	213.948	51.69804	19.92239	0.165906	0.270763
31.93054	1.574445	0.923559	214.2605	51.71064	19.92737	0.165946	0.27122
31.99183	1.574836	0.923783	214.5727	51.72322	19.93235	0.165987	0.271677
32.05312	1.575227	0.924007	214.8845	51.73579	19.93732	0.166027	0.272134
32.1144	1.575618	0.924231	215.1958	51.74834	19.94228	0.166067	0.27259
32.17569	1.576008	0.924455	215.5068	51.76087	19.94723	0.166108	0.273046
32.23698	1.576398	0.924678	215.8174	51.77339	19.95218	0.166148	0.273502
32.29826	1.576787	0.924902	216.1276	51.7859	19.95713	0.166188	0.273957
32.35955	1.577176	0.925124	216.4375	51.79839	19.96206	0.166228	0.274412
32.42084	1.577565	0.925347	216.7469	51.81086	19.96699	0.166268	0.274867
32.48212	1.577952	0.925569	217.056	51.82332	19.97192	0.166308	0.275321
32.54341	1.57834	0.925791	217.3646	51.83576	19.97684	0.166348	0.275775
32.6047	1.578727	0.926013	217.6729	51.84818	19.98175	0.166388	0.276229
32.66599	1.579113	0.926235	217.9808	51.86059	19.98666	0.166428	0.276682
32.72727	1.579499	0.926456	218.2884	51.87299	19.99156	0.166468	0.277135
32.78856	1.579884	0.926677	218.5955	51.88537	19.99646	0.166508	0.277588
32.84985	1.580269	0.926897	218.9023	51.89773	20.00134	0.166547	0.27804
32.91113	1.580654	0.927118	219.2087	51.91008	20.00623	0.166587	0.278492
32.97242	1.581038	0.927338	219.5147	51.92242	20.0111	0.166627	0.278944
33.03371	1.581422	0.927558	219.8203	51.93474	20.01598	0.166666	0.279395
33.09499	1.581805	0.927777	220.1255	51.94704	20.02084	0.166706	0.279846
33.15628	1.582187	0.927997	220.4304	51.95933	20.0257	0.166745	0.280297
33.21757	1.582569	0.928216	220.7349	51.9716	20.03055	0.166785	0.280747
33.27886	1.582951	0.928434	221.039	51.98386	20.0354	0.166824	0.281197
33.34014	1.583332	0.928653	221.3427	51.9961	20.04024	0.166863	0.281647
33.40143	1.583713	0.928871	221.646	52.00833	20.04508	0.166903	0.282096
33.46272	1.584093	0.929089	221.949	52.02055	20.04991	0.166942	0.282545
33.524	1.584473	0.929307	222.2516	52.03274	20.05473	0.166981	0.282994
33.58529	1.584853	0.929524	222.5538	52.04493	20.05955	0.16702	0.283442
33.64658	1.585232	0.929741	222.8557	52.05709	20.06436	0.167059	0.28389
33.70787	1.58561	0.929958	223.1571	52.06925	20.06916	0.167098	0.284337
33.76915	1.585988	0.930175	223.4582	52.08138	20.07396	0.167137	0.284785
33.83044	1.586365	0.930391	223.759	52.09351	20.07876	0.167176	0.285232
33.89173	1.586742	0.930607	224.0593	52.10561	20.08355	0.167215	0.285678
33.95301	1.587119	0.930823	224.3593	52.11771	20.08833	0.167254	0.286125
34.0143	1.587495	0.931039	224.6589	52.12978	20.0931	0.167293	0.286571
34.07559	1.587871	0.931254	224.9581	52.14185	20.09788	0.167332	0.287016
34.13687	1.588246	0.931469	225.257	52.15389	20.10264	0.16737	0.287462
34.19816	1.588621	0.931684	225.5554	52.16593	20.1074	0.167409	0.287907
34.25945	1.588995	0.931898	225.8536	52.17795	20.11215	0.167448	0.288351
34.32074	1.589369	0.932112	226.1513	52.18995	20.1169	0.167486	0.288796
34.38202	1.589742	0.932326	226.4487	52.20194	20.12164	0.167525	0.28924
34.44331	1.590115	0.93254	226.7457	52.21391	20.12638	0.167563	0.289683

34.5046	1.590487	0.932753	227.0423	52.22587	20.13111	0.167602	0.290127
34.56588	1.590859	0.932967	227.3386	52.23782	20.13583	0.16764	0.29057
34.62717	1.591231	0.933179	227.6345	52.24975	20.14055	0.167678	0.291012
34.68846	1.591602	0.933392	227.93	52.26166	20.14526	0.167717	0.291455
34.74974	1.591973	0.933604	228.2252	52.27356	20.14997	0.167755	0.291897
34.81103	1.592343	0.933817	228.52	52.28545	20.15467	0.167793	0.292338
34.87232	1.592713	0.934028	228.8144	52.29732	20.15936	0.167831	0.29278
34.93361	1.593082	0.93424	229.1084	52.30917	20.16405	0.167869	0.293221
34.99489	1.593451	0.934451	229.4021	52.32102	20.16874	0.167907	0.293661
35.05618	1.593819	0.934662	229.6955	52.33284	20.17342	0.167945	0.294102
35.11747	1.594187	0.934873	229.9884	52.34466	20.17809	0.167983	0.294542
35.17875	1.594555	0.935084	230.281	52.35646	20.18276	0.168021	0.294982
35.24004	1.594922	0.935294	230.5733	52.36824	20.18742	0.168059	0.295421
35.30133	1.595288	0.935504	230.8652	52.38001	20.19207	0.168097	0.29586
35.36261	1.595654	0.935714	231.1567	52.39176	20.19672	0.168135	0.296299
35.4239	1.59602	0.935923	231.4478	52.4035	20.20137	0.168172	0.296737
35.48519	1.596385	0.936133	231.7386	52.41523	20.20601	0.16821	0.297175
35.54648	1.59675	0.936342	232.029	52.42694	20.21064	0.168248	0.297613
35.60776	1.597114	0.93655	232.3191	52.43864	20.21527	0.168285	0.29805
35.66905	1.597478	0.936759	232.6088	52.45032	20.21989	0.168323	0.298487
35.73034	1.597842	0.936967	232.8982	52.46199	20.2245	0.16836	0.298924
35.79162	1.598205	0.937175	233.1872	52.47365	20.22911	0.168398	0.299361
35.85291	1.598568	0.937383	233.4758	52.48529	20.23372	0.168435	0.299797
35.9142	1.59893	0.93759	233.764	52.49691	20.23832	0.168472	0.300233
35.97549	1.599291	0.937798	234.052	52.50853	20.24291	0.16851	0.300668
36.03677	1.599653	0.938005	234.3395	52.52012	20.2475	0.168547	0.301103
36.09806	1.600014	0.938211	234.6267	52.53171	20.25208	0.168584	0.301538
36.15935	1.600374	0.938418	234.9135	52.54328	20.25666	0.168621	0.301972
36.22063	1.600734	0.938624	235.2	52.55483	20.26123	0.168658	0.302406
36.28192	1.601093	0.93883	235.4862	52.56637	20.2658	0.168696	0.30284
36.34321	1.601452	0.939035	235.7719	52.57789	20.27036	0.168733	0.303274
36.40449	1.601811	0.939241	236.0573	52.5894	20.27491	0.16877	0.303707
36.46578	1.602169	0.939446	236.3424	52.6009	20.27946	0.168806	0.30414
36.52707	1.602527	0.939651	236.6271	52.61238	20.284	0.168843	0.304572
36.58836	1.602884	0.939855	236.9115	52.62384	20.28854	0.16888	0.305005
36.64964	1.603241	0.94006	237.1955	52.6353	20.29307	0.168917	0.305436
36.71093	1.603597	0.940264	237.4791	52.64673	20.29759	0.168954	0.305868
36.77222	1.603953	0.940468	237.7624	52.65816	20.30211	0.16899	0.306299
36.8335	1.604308	0.940671	238.0454	52.66957	20.30662	0.169027	0.30673
36.89479	1.604663	0.940875	238.328	52.68096	20.31113	0.169064	0.307161
36.95608	1.605018	0.941078	238.6102	52.69234	20.31564	0.1691	0.307591
37.01736	1.605372	0.941281	238.8921	52.70371	20.32013	0.169137	0.308021
37.07865	1.605726	0.941483	239.1736	52.71506	20.32463	0.169173	0.30845
37.13994	1.606079	0.941686	239.4548	52.7264	20.32911	0.16921	0.30888
37.20123	1.606432	0.941888	239.7357	52.73773	20.33359	0.169246	0.309309
37.26251	1.606784	0.94209	240.0162	52.74904	20.33807	0.169282	0.309737
37.3238	1.607136	0.942291	240.2963	52.76034	20.34254	0.169319	0.310166

37.38509	1.607488	0.942493	240.5761	52.77162	20.347	0.169355	0.310594
37.44637	1.607839	0.942694	240.8556	52.78289	20.35146	0.169391	0.311021
37.50766	1.60819	0.942895	241.1347	52.79415	20.35592	0.169427	0.311449
37.56895	1.60854	0.943095	241.4134	52.80539	20.36037	0.169463	0.311876
37.63023	1.60889	0.943296	241.6918	52.81662	20.36481	0.1695	0.312302
37.69152	1.609239	0.943496	241.9699	52.82783	20.36925	0.169536	0.312729
37.75281	1.609588	0.943696	242.2476	52.83903	20.37368	0.169572	0.313155
37.8141	1.609937	0.943895	242.525	52.85022	20.3781	0.169608	0.31358
37.87538	1.610285	0.944095	242.802	52.86139	20.38253	0.169643	0.314006
37.93667	1.610632	0.944294	243.0787	52.87255	20.38694	0.169679	0.314431
37.99796	1.61098	0.944493	243.355	52.88369	20.39135	0.169715	0.314856
38.05924	1.611326	0.944692	243.631	52.89482	20.39576	0.169751	0.31528
38.12053	1.611673	0.94489	243.9067	52.90594	20.40016	0.169787	0.315704
38.18182	1.612019	0.945088	244.182	52.91704	20.40455	0.169822	0.316128
38.24311	1.612364	0.945286	244.457	52.92813	20.40894	0.169858	0.316551
38.30439	1.61271	0.945484	244.7316	52.93921	20.41332	0.169893	0.316975
38.36568	1.613054	0.945681	245.0059	52.95027	20.4177	0.169929	0.317397
38.42697	1.613399	0.945878	245.2798	52.96132	20.42207	0.169965	0.31782
38.48825	1.613743	0.946075	245.5534	52.97236	20.42644	0.17	0.318242
38.54954	1.614086	0.946272	245.8267	52.98338	20.4308	0.170035	0.318664
38.61083	1.614429	0.946468	246.0996	52.99439	20.43516	0.170071	0.319086
38.67211	1.614772	0.946665	246.3722	53.00538	20.43951	0.170106	0.319507
38.7334	1.615114	0.946861	246.6445	53.01636	20.44386	0.170141	0.319928
38.79469	1.615456	0.947056	246.9164	53.02733	20.4482	0.170177	0.320348
38.85598	1.615797	0.947252	247.1879	53.03828	20.45253	0.170212	0.320769
38.91726	1.616138	0.947447	247.4592	53.04922	20.45686	0.170247	0.321189
38.97855	1.616479	0.947642	247.7301	53.06015	20.46119	0.170282	0.321608
39.03984	1.616819	0.947837	248.0006	53.07106	20.46551	0.170317	0.322028
39.10112	1.617158	0.948031	248.2708	53.08196	20.46982	0.170352	0.322447
39.16241	1.617498	0.948226	248.5407	53.09285	20.47413	0.170387	0.322865
39.2237	1.617837	0.94842	248.8103	53.10372	20.47844	0.170422	0.323284
39.28498	1.618175	0.948614	249.0795	53.11458	20.48274	0.170457	0.323702
39.34627	1.618513	0.948807	249.3484	53.12543	20.48703	0.170492	0.324119
39.40756	1.618851	0.949	249.6169	53.13626	20.49132	0.170527	0.324537
39.46885	1.619188	0.949194	249.8851	53.14708	20.4956	0.170561	0.324954
39.53013	1.619525	0.949386	250.153	53.15789	20.49988	0.170596	0.325371
39.59142	1.619861	0.949579	250.4206	53.16868	20.50415	0.170631	0.325787
39.65271	1.620197	0.949771	250.6878	53.17946	20.50842	0.170665	0.326203
39.71399	1.620533	0.949964	250.9547	53.19023	20.51268	0.1707	0.326619
39.77528	1.620868	0.950155	251.2212	53.20098	20.51694	0.170735	0.327035
39.83657	1.621203	0.950347	251.4874	53.21172	20.52119	0.170769	0.32745
39.89785	1.621537	0.950539	251.7533	53.22245	20.52544	0.170804	0.327865
39.95914	1.621871	0.95073	252.0189	53.23317	20.52968	0.170838	0.328279
40.02043	1.622205	0.950921	252.2841	53.24387	20.53392	0.170872	0.328694
40.08172	1.622538	0.951111	252.549	53.25455	20.53815	0.170907	0.329108
40.143	1.622871	0.951302	252.8136	53.26523	20.54238	0.170941	0.329521
40.20429	1.623203	0.951492	253.0778	53.27589	20.5466	0.170975	0.329935

40.26558	1.623535	0.951682	253.3417	53.28654	20.55081	0.171009	0.330348
40.32686	1.623867	0.951872	253.6053	53.29717	20.55502	0.171044	0.33076
40.38815	1.624198	0.952062	253.8686	53.3078	20.55923	0.171078	0.331173
40.44944	1.624529	0.952251	254.1315	53.31841	20.56343	0.171112	0.331585
40.51073	1.624859	0.95244	254.3941	53.329	20.56763	0.171146	0.331996
40.57201	1.625189	0.952629	254.6564	53.33958	20.57181	0.17118	0.332408
40.6333	1.625518	0.952817	254.9183	53.35015	20.576	0.171214	0.332819
40.69459	1.625847	0.953006	255.18	53.3607	20.58018	0.171248	0.33323
40.75587	1.626176	0.953194	255.4413	53.37125	20.58435	0.171282	0.33364
40.81716	1.626504	0.953382	255.7023	53.38177	20.58852	0.171315	0.33405
40.87845	1.626832	0.95357	255.9629	53.39229	20.59268	0.171349	0.33446
40.93973	1.627159	0.953757	256.2232	53.40279	20.59684	0.171383	0.33487
41.00102	1.627486	0.953944	256.4833	53.41328	20.60099	0.171417	0.335279
41.06231	1.627813	0.954131	256.7429	53.42376	20.60514	0.17145	0.335688
41.1236	1.628139	0.954318	257.0023	53.43422	20.60929	0.171484	0.336096
41.18488	1.628465	0.954504	257.2613	53.44467	20.61342	0.171517	0.336505
41.24617	1.62879	0.954691	257.5201	53.45511	20.61756	0.171551	0.336913
41.30746	1.629115	0.954877	257.7785	53.46554	20.62168	0.171585	0.33732
41.36874	1.62944	0.955063	258.0365	53.47595	20.62581	0.171618	0.337728
41.43003	1.629764	0.955248	258.2943	53.48635	20.62992	0.171651	0.338135
41.49132	1.630088	0.955434	258.5517	53.49673	20.63404	0.171685	0.338541
41.5526	1.630412	0.955619	258.8088	53.50711	20.63814	0.171718	0.338948
41.61389	1.630735	0.955804	259.0656	53.51747	20.64225	0.171751	0.339354
41.67518	1.631057	0.955988	259.3221	53.52782	20.64634	0.171785	0.33976
41.73647	1.631379	0.956173	259.5783	53.53815	20.65044	0.171818	0.340165
41.79775	1.631701	0.956357	259.8341	53.54847	20.65452	0.171851	0.34057
41.85904	1.632023	0.956541	260.0896	53.55878	20.65861	0.171884	0.340975
41.92033	1.632344	0.956725	260.3448	53.56908	20.66268	0.171917	0.34138
41.98161	1.632664	0.956908	260.5997	53.57936	20.66676	0.17195	0.341784
42.0429	1.632985	0.957091	260.8543	53.58963	20.67082	0.171983	0.342188
42.10419	1.633304	0.957275	261.1085	53.59989	20.67489	0.172016	0.342592
42.16547	1.633624	0.957457	261.3625	53.61014	20.67894	0.172049	0.342995
42.22676	1.633943	0.95764	261.6161	53.62037	20.683	0.172082	0.343398
42.28805	1.634262	0.957822	261.8694	53.63059	20.68704	0.172115	0.343801
42.34934	1.63458	0.958005	262.1224	53.6408	20.69109	0.172148	0.344203
42.41062	1.634898	0.958187	262.3751	53.651	20.69512	0.17218	0.344605
42.47191	1.635215	0.958368	262.6275	53.66118	20.69915	0.172213	0.345007
42.5332	1.635532	0.95855	262.8795	53.67135	20.70318	0.172246	0.345408
42.59448	1.635849	0.958731	263.1312	53.68151	20.7072	0.172278	0.345809
42.65577	1.636165	0.958912	263.3827	53.69165	20.71122	0.172311	0.34621
42.71706	1.636481	0.959093	263.6338	53.70178	20.71524	0.172344	0.346611
42.77835	1.636797	0.959274	263.8846	53.7119	20.71924	0.172376	0.347011
42.83963	1.637112	0.959454	264.1351	53.72201	20.72325	0.172409	0.347411
42.90092	1.637427	0.959634	264.3852	53.73211	20.72724	0.172441	0.34781
42.96221	1.637741	0.959814	264.6351	53.74219	20.73124	0.172473	0.34821
43.02349	1.638055	0.959994	264.8847	53.75226	20.73522	0.172506	0.348609
43.08478	1.638369	0.960173	265.1339	53.76231	20.73921	0.172538	0.349007

43.14607	1.638682	0.960353	265.3828	53.77236	20.74319	0.17257	0.349406
43.20735	1.638995	0.960532	265.6315	53.78239	20.74716	0.172603	0.349804
43.26864	1.639307	0.96071	265.8798	53.79241	20.75113	0.172635	0.350202
43.32993	1.639619	0.960889	266.1278	53.80242	20.75509	0.172667	0.350599
43.39122	1.639931	0.961067	266.3755	53.81241	20.75905	0.172699	0.350996
43.4525	1.640242	0.961246	266.6229	53.8224	20.763	0.172731	0.351393
43.51379	1.640553	0.961423	266.87	53.83237	20.76695	0.172763	0.35179
43.57508	1.640864	0.961601	267.1168	53.84233	20.7709	0.172795	0.352186
43.63636	1.641174	0.961779	267.3632	53.85227	20.77484	0.172827	0.352582
43.69765	1.641484	0.961956	267.6094	53.86221	20.77877	0.172859	0.352977
43.75894	1.641793	0.962133	267.8553	53.87213	20.7827	0.172891	0.353373
43.82022	1.642102	0.96231	268.1008	53.88204	20.78662	0.172923	0.353768
43.88151	1.642411	0.962487	268.3461	53.89193	20.79054	0.172955	0.354162
43.9428	1.642719	0.962663	268.591	53.90182	20.79446	0.172986	0.354557
44.00409	1.643027	0.962839	268.8356	53.91169	20.79837	0.173018	0.354951
44.06537	1.643334	0.963015	269.08	53.92155	20.80227	0.17305	0.355345
44.12666	1.643641	0.963191	269.324	53.9314	20.80618	0.173081	0.355738
44.18795	1.643948	0.963366	269.5677	53.94123	20.81007	0.173113	0.356131
44.24923	1.644255	0.963542	269.8112	53.95106	20.81396	0.173144	0.356524
44.31052	1.644561	0.963717	270.0543	53.96087	20.81785	0.173176	0.356917
44.37181	1.644866	0.963892	270.2971	53.97067	20.82173	0.173207	0.357309
44.43309	1.645171	0.964066	270.5396	53.98045	20.82561	0.173239	0.357701
44.49438	1.645476	0.964241	270.7818	53.99023	20.82948	0.17327	0.358093
44.55567	1.645781	0.964415	271.0238	53.99999	20.83335	0.173302	0.358484
44.61696	1.646085	0.964589	271.2654	54.00974	20.83721	0.173333	0.358875
44.67824	1.646388	0.964763	271.5067	54.01948	20.84107	0.173364	0.359266
44.73953	1.646692	0.964936	271.7477	54.02921	20.84492	0.173396	0.359656
44.80082	1.646995	0.96511	271.9884	54.03892	20.84877	0.173427	0.360046
44.8621	1.647297	0.965283	272.2288	54.04862	20.85261	0.173458	0.360436
44.92339	1.6476	0.965456	272.469	54.05831	20.85645	0.173489	0.360826
44.98468	1.647901	0.965629	272.7088	54.06799	20.86028	0.17352	0.361215
45.04597	1.648203	0.965801	272.9483	54.07766	20.86411	0.173551	0.361604
45.10725	1.648504	0.965973	273.1875	54.08731	20.86794	0.173582	0.361993
45.16854	1.648805	0.966145	273.4265	54.09695	20.87176	0.173613	0.362381
45.22983	1.649105	0.966317	273.6651	54.10658	20.87557	0.173644	0.362769
45.29111	1.649405	0.966489	273.9034	54.1162	20.87938	0.173675	0.363157
45.3524	1.649705	0.96666	274.1415	54.12581	20.88319	0.173706	0.363544
45.41369	1.650004	0.966832	274.3792	54.1354	20.88699	0.173737	0.363931
45.47497	1.650303	0.967003	274.6167	54.14499	20.89078	0.173768	0.364318
45.53626	1.650601	0.967174	274.8538	54.15456	20.89458	0.173798	0.364705
45.59755	1.6509	0.967344	275.0907	54.16412	20.89836	0.173829	0.365091
45.65884	1.651197	0.967515	275.3273	54.17366	20.90214	0.17386	0.365477
45.72012	1.651495	0.967685	275.5635	54.1832	20.90592	0.17389	0.365862
45.78141	1.651792	0.967855	275.7995	54.19272	20.90969	0.173921	0.366248
45.8427	1.652089	0.968024	276.0352	54.20223	20.91346	0.173951	0.366633
45.90398	1.652385	0.968194	276.2706	54.21173	20.91723	0.173982	0.367017
45.96527	1.652681	0.968363	276.5057	54.22122	20.92099	0.174013	0.367402

46.02656	1.652976	0.968532	276.7405	54.2307	20.92474	0.174043	0.367786
46.08784	1.653272	0.968701	276.975	54.24016	20.92849	0.174073	0.36817
46.14913	1.653567	0.96887	277.2092	54.24962	20.93223	0.174104	0.368553
46.21042	1.653861	0.969039	277.4432	54.25906	20.93598	0.174134	0.368936
46.27171	1.654155	0.969207	277.6768	54.26849	20.93971	0.174164	0.369319
46.33299	1.654449	0.969375	277.9102	54.27791	20.94344	0.174195	0.369702
46.39428	1.654742	0.969543	278.1432	54.28731	20.94717	0.174225	0.370084
46.45557	1.655035	0.96971	278.376	54.29671	20.95089	0.174255	0.370466
46.51685	1.655328	0.969878	278.6085	54.30609	20.95461	0.174285	0.370848
46.57814	1.65562	0.970045	278.8407	54.31546	20.95832	0.174315	0.37123
46.63943	1.655912	0.970212	279.0726	54.32482	20.96203	0.174345	0.371611
46.70072	1.656204	0.970379	279.3042	54.33417	20.96573	0.174375	0.371992
46.762	1.656495	0.970546	279.5356	54.3435	20.96943	0.174405	0.372372
46.82329	1.656786	0.970712	279.7666	54.35283	20.97313	0.174435	0.372752
46.88458	1.657077	0.970878	279.9974	54.36214	20.97682	0.174465	0.373132
46.94586	1.657367	0.971044	280.2278	54.37144	20.9805	0.174495	0.373512
47.00715	1.657657	0.97121	280.458	54.38073	20.98418	0.174525	0.373891
47.06844	1.657946	0.971376	280.6879	54.39001	20.98786	0.174555	0.37427
47.12972	1.658235	0.971541	280.9175	54.39928	20.99153	0.174585	0.374649
47.19101	1.658524	0.971706	281.1469	54.40853	20.9952	0.174614	0.375028
47.2523	1.658812	0.971871	281.3759	54.41778	20.99886	0.174644	0.375406
47.31359	1.6591	0.972036	281.6047	54.42701	21.00252	0.174674	0.375784
47.37487	1.659388	0.972201	281.8331	54.43623	21.00617	0.174703	0.376161
47.43616	1.659675	0.972365	282.0613	54.44544	21.00982	0.174733	0.376538
47.49745	1.659962	0.972529	282.2892	54.45464	21.01347	0.174762	0.376915
47.55873	1.660249	0.972693	282.5168	54.46383	21.01711	0.174792	0.377292
47.62002	1.660535	0.972857	282.7442	54.473	21.02074	0.174821	0.377669
47.68131	1.660821	0.97302	282.9712	54.48217	21.02437	0.174851	0.378045
47.74259	1.661106	0.973184	283.198	54.49132	21.028	0.17488	0.37842
47.80388	1.661391	0.973347	283.4245	54.50046	21.03162	0.17491	0.378796
47.86517	1.661676	0.97351	283.6507	54.50959	21.03524	0.174939	0.379171
47.92646	1.661961	0.973673	283.8767	54.51871	21.03885	0.174968	0.379546
47.98774	1.662245	0.973835	284.1023	54.52782	21.04246	0.174998	0.379921
48.04903	1.662529	0.973997	284.3277	54.53691	21.04607	0.175027	0.380295
48.11032	1.662812	0.97416	284.5528	54.546	21.04967	0.175056	0.380669
48.1716	1.663095	0.974322	284.7776	54.55507	21.05326	0.175085	0.381043
48.23289	1.663378	0.974483	285.0021	54.56413	21.05685	0.175114	0.381416
48.29418	1.66366	0.974645	285.2264	54.57318	21.06044	0.175143	0.38179
48.35546	1.663942	0.974806	285.4503	54.58222	21.06402	0.175172	0.382162
48.41675	1.664224	0.974967	285.674	54.59125	21.0676	0.175201	0.382535
48.47804	1.664505	0.975128	285.8974	54.60027	21.07117	0.17523	0.382907
48.53933	1.664786	0.975289	286.1206	54.60927	21.07474	0.175259	0.383279
48.60061	1.665067	0.975449	286.3434	54.61827	21.0783	0.175288	0.383651
48.6619	1.665347	0.97561	286.566	54.62725	21.08186	0.175317	0.384022
48.72319	1.665627	0.97577	286.7883	54.63622	21.08542	0.175346	0.384394
48.78447	1.665907	0.97593	287.0104	54.64519	21.08897	0.175375	0.384764
48.84576	1.666186	0.97609	287.2321	54.65414	21.09252	0.175403	0.385135

48.90705	1.666465	0.976249	287.4536	54.66308	21.09606	0.175432	0.385505
48.96834	1.666743	0.976408	287.6748	54.672	21.0996	0.175461	0.385875
49.02962	1.667022	0.976568	287.8957	54.68092	21.10313	0.175489	0.386245
49.09091	1.667299	0.976727	288.1164	54.68983	21.10666	0.175518	0.386614
49.1522	1.667577	0.976885	288.3368	54.69872	21.11019	0.175547	0.386983
49.21348	1.667854	0.977044	288.5569	54.70761	21.11371	0.175575	0.387352
49.27477	1.668131	0.977202	288.7767	54.71648	21.11722	0.175604	0.387721
49.33606	1.668408	0.97736	288.9963	54.72534	21.12074	0.175632	0.388089
49.39734	1.668684	0.977518	289.2156	54.7342	21.12424	0.175661	0.388457
49.45863	1.66896	0.977676	289.4346	54.74304	21.12775	0.175689	0.388824
49.51992	1.669235	0.977834	289.6534	54.75187	21.13125	0.175717	0.389192
49.58121	1.66951	0.977991	289.8719	54.76069	21.13474	0.175746	0.389559
49.64249	1.669785	0.978148	290.0901	54.76949	21.13823	0.175774	0.389926
49.70378	1.67006	0.978305	290.308	54.77829	21.14172	0.175802	0.390292
49.76507	1.670334	0.978462	290.5257	54.78708	21.1452	0.175831	0.390658
49.82635	1.670608	0.978619	290.7431	54.79585	21.14868	0.175859	0.391024
49.88764	1.670881	0.978775	290.9602	54.80462	21.15215	0.175887	0.39139
49.94893	1.671154	0.978932	291.1771	54.81337	21.15562	0.175915	0.391755
50.01021	1.671427	0.979088	291.3936	54.82211	21.15909	0.175943	0.39212
50.0715	1.6717	0.979243	291.61	54.83084	21.16255	0.175971	0.392485
50.13279	1.671972	0.979399	291.826	54.83957	21.16601	0.175999	0.392849
50.19408	1.672244	0.979555	292.0418	54.84828	21.16946	0.176027	0.393213
50.25536	1.672515	0.97971	292.2573	54.85697	21.17291	0.176055	0.393577
50.31665	1.672786	0.979865	292.4726	54.86566	21.17635	0.176083	0.393941
50.37794	1.673057	0.98002	292.6875	54.87434	21.17979	0.176111	0.394304
50.43922	1.673328	0.980174	292.9022	54.88301	21.18323	0.176139	0.394667
50.50051	1.673598	0.980329	293.1167	54.89167	21.18666	0.176167	0.39503
50.5618	1.673867	0.980483	293.3309	54.90031	21.19009	0.176194	0.395392
50.62308	1.674137	0.980637	293.5448	54.90895	21.19351	0.176222	0.395755
50.68437	1.674406	0.980791	293.7584	54.91757	21.19693	0.17625	0.396116
50.74566	1.674675	0.980945	293.9718	54.92618	21.20034	0.176278	0.396478
50.80695	1.674943	0.981099	294.1849	54.93479	21.20375	0.176305	0.396839
50.86823	1.675212	0.981252	294.3978	54.94338	21.20716	0.176333	0.3972
50.92952	1.675479	0.981405	294.6104	54.95196	21.21056	0.17636	0.397561
50.99081	1.675747	0.981558	294.8227	54.96053	21.21396	0.176388	0.397921
51.05209	1.676014	0.981711	295.0348	54.96909	21.21735	0.176415	0.398282
51.11338	1.676281	0.981863	295.2466	54.97764	21.22074	0.176443	0.398641
51.17467	1.676547	0.982016	295.4581	54.98618	21.22412	0.17647	0.399001
51.23596	1.676813	0.982168	295.6694	54.99471	21.2275	0.176498	0.39936
51.29724	1.677079	0.98232	295.8804	55.00323	21.23088	0.176525	0.399719
51.35853	1.677345	0.982472	296.0911	55.01173	21.23425	0.176552	0.400078
51.41982	1.67761	0.982623	296.3016	55.02023	21.23762	0.17658	0.400437
51.4811	1.677875	0.982775	296.5118	55.02872	21.24099	0.176607	0.400795
51.54239	1.678139	0.982926	296.7218	55.03719	21.24435	0.176634	0.401153
51.60368	1.678404	0.983077	296.9315	55.04566	21.2477	0.176661	0.40151
51.66496	1.678668	0.983228	297.1409	55.05411	21.25105	0.176689	0.401868
51.72625	1.678931	0.983379	297.3501	55.06256	21.2544	0.176716	0.402225

51.78754	1.679194	0.983529	297.5591	55.07099	21.25775	0.176743	0.402581
51.84883	1.679457	0.98368	297.7677	55.07942	21.26109	0.17677	0.402938
51.91011	1.67972	0.98383	297.9761	55.08783	21.26442	0.176797	0.403294
51.9714	1.679982	0.98398	298.1843	55.09623	21.26775	0.176824	0.40365
52.03269	1.680244	0.98413	298.3922	55.10462	21.27108	0.176851	0.404005
52.09397	1.680506	0.984279	298.5998	55.11301	21.2744	0.176878	0.404361
52.15526	1.680767	0.984429	298.8072	55.12138	21.27772	0.176905	0.404716
52.21655	1.681028	0.984578	299.0143	55.12974	21.28104	0.176932	0.405071
52.27783	1.681289	0.984727	299.2211	55.13809	21.28435	0.176958	0.405425
52.33912	1.681549	0.984876	299.4277	55.14643	21.28765	0.176985	0.405779
52.40041	1.681809	0.985024	299.6341	55.15476	21.29096	0.177012	0.406133
52.4617	1.682069	0.985173	299.8401	55.16308	21.29426	0.177039	0.406487
52.52298	1.682328	0.985321	300.046	55.17139	21.29755	0.177065	0.40684
52.58427	1.682587	0.985469	300.2515	55.17969	21.30084	0.177092	0.407193
52.64556	1.682846	0.985617	300.4569	55.18798	21.30413	0.177119	0.407546
52.70684	1.683104	0.985765	300.6619	55.19625	21.30741	0.177145	0.407899
52.76813	1.683362	0.985913	300.8667	55.20452	21.31069	0.177172	0.408251
52.82942	1.68362	0.98606	301.0713	55.21278	21.31396	0.177198	0.408603
52.8907	1.683878	0.986207	301.2756	55.22103	21.31723	0.177225	0.408954
52.95199	1.684135	0.986354	301.4796	55.22927	21.3205	0.177251	0.409306
53.01328	1.684391	0.986501	301.6834	55.23749	21.32376	0.177278	0.409657
53.07457	1.684648	0.986648	301.887	55.24571	21.32702	0.177304	0.410008
53.13585	1.684904	0.986794	302.0903	55.25392	21.33027	0.17733	0.410358
53.19714	1.68516	0.986941	302.2933	55.26211	21.33352	0.177357	0.410709
53.25843	1.685416	0.987087	302.4961	55.2703	21.33677	0.177383	0.411059
53.31971	1.685671	0.987233	302.6986	55.27848	21.34001	0.177409	0.411408
53.381	1.685926	0.987378	302.9009	55.28664	21.34325	0.177436	0.411758
53.44229	1.68618	0.987524	303.1029	55.2948	21.34648	0.177462	0.412107
53.50358	1.686435	0.987669	303.3047	55.30294	21.34971	0.177488	0.412456
53.56486	1.686689	0.987814	303.5062	55.31108	21.35294	0.177514	0.412804
53.62615	1.686942	0.987959	303.7075	55.3192	21.35616	0.17754	0.413153
53.68744	1.687196	0.988104	303.9085	55.32732	21.35938	0.177566	0.413501
53.74872	1.687449	0.988249	304.1093	55.33543	21.36259	0.177592	0.413849
53.81001	1.687702	0.988393	304.3098	55.34352	21.3658	0.177618	0.414196
53.8713	1.687954	0.988538	304.5101	55.35161	21.36901	0.177644	0.414543
53.93258	1.688206	0.988682	304.7101	55.35968	21.37221	0.17767	0.41489
53.99387	1.688458	0.988826	304.9099	55.36775	21.37541	0.177696	0.415237
54.05516	1.688709	0.98897	305.1094	55.3758	21.37861	0.177722	0.415583
54.11645	1.688961	0.989113	305.3087	55.38385	21.3818	0.177748	0.415929
54.17773	1.689211	0.989257	305.5077	55.39188	21.38498	0.177774	0.416275
54.23902	1.689462	0.9894	305.7065	55.39991	21.38817	0.1778	0.416621
54.30031	1.689712	0.989543	305.9051	55.40792	21.39135	0.177825	0.416966
54.36159	1.689962	0.989686	306.1034	55.41593	21.39452	0.177851	0.417311
54.42288	1.690212	0.989829	306.3014	55.42393	21.39769	0.177877	0.417656
54.48417	1.690461	0.989971	306.4992	55.43191	21.40086	0.177902	0.418
54.54545	1.69071	0.990113	306.6968	55.43989	21.40402	0.177928	0.418344
54.60674	1.690959	0.990256	306.8941	55.44785	21.40718	0.177954	0.418688

54.66803	1.691207	0.990398	307.0911	55.45581	21.41034	0.177979	0.419032
54.72932	1.691455	0.990539	307.2879	55.46375	21.41349	0.178005	0.419375
54.7906	1.691703	0.990681	307.4845	55.47169	21.41663	0.17803	0.419718
54.85189	1.691951	0.990822	307.6808	55.47962	21.41978	0.178056	0.420061
54.91318	1.692198	0.990964	307.8769	55.48753	21.42292	0.178081	0.420404
54.97446	1.692445	0.991105	308.0728	55.49544	21.42605	0.178106	0.420746
55.03575	1.692691	0.991246	308.2684	55.50334	21.42919	0.178132	0.421088
55.09704	1.692938	0.991387	308.4637	55.51122	21.43231	0.178157	0.42143
55.15832	1.693184	0.991527	308.6588	55.5191	21.43544	0.178183	0.421771
55.21961	1.693429	0.991668	308.8537	55.52697	21.43856	0.178208	0.422112
55.2809	1.693675	0.991808	309.0483	55.53482	21.44168	0.178233	0.422453
55.34219	1.69392	0.991948	309.2427	55.54267	21.44479	0.178258	0.422794
55.40347	1.694164	0.992088	309.4368	55.55051	21.4479	0.178283	0.423134
55.46476	1.694409	0.992228	309.6307	55.55834	21.451	0.178309	0.423474
55.52605	1.694653	0.992367	309.8244	55.56616	21.4541	0.178334	0.423814
55.58733	1.694897	0.992506	310.0178	55.57397	21.4572	0.178359	0.424153
55.64862	1.69514	0.992646	310.211	55.58177	21.4603	0.178384	0.424493
55.70991	1.695384	0.992785	310.404	55.58956	21.46339	0.178409	0.424832
55.7712	1.695627	0.992924	310.5967	55.59734	21.46647	0.178434	0.42517
55.83248	1.695869	0.993062	310.7891	55.60511	21.46955	0.178459	0.425509
55.89377	1.696112	0.993201	310.9814	55.61287	21.47263	0.178484	0.425847
55.95506	1.696354	0.993339	311.1734	55.62062	21.47571	0.178509	0.426185
56.01634	1.696596	0.993477	311.3651	55.62836	21.47878	0.178534	0.426522
56.07763	1.696837	0.993615	311.5567	55.6361	21.48185	0.178558	0.42686
56.13892	1.697078	0.993753	311.7479	55.64382	21.48491	0.178583	0.427197
56.2002	1.697319	0.993891	311.939	55.65153	21.48797	0.178608	0.427534
56.26149	1.69756	0.994028	312.1298	55.65924	21.49103	0.178633	0.42787
56.32278	1.6978	0.994166	312.3204	55.66693	21.49408	0.178657	0.428206
56.38407	1.69804	0.994303	312.5107	55.67462	21.49713	0.178682	0.428542
56.44535	1.69828	0.99444	312.7008	55.68229	21.50017	0.178707	0.428878
56.50664	1.698519	0.994577	312.8907	55.68996	21.50321	0.178731	0.429213
56.56793	1.698758	0.994713	313.0803	55.69762	21.50625	0.178756	0.429549
56.62921	1.698997	0.99485	313.2697	55.70526	21.50928	0.178781	0.429883
56.6905	1.699235	0.994986	313.4589	55.7129	21.51231	0.178805	0.430218
56.75179	1.699474	0.995122	313.6478	55.72053	21.51534	0.17883	0.430552
56.81307	1.699712	0.995258	313.8365	55.72815	21.51836	0.178854	0.430887
56.87436	1.699949	0.995394	314.0249	55.73576	21.52138	0.178879	0.43122
56.93565	1.700187	0.99553	314.2131	55.74336	21.52439	0.178903	0.431554
56.99694	1.700424	0.995665	314.4011	55.75095	21.52741	0.178927	0.431887
57.05822	1.70066	0.995801	314.5889	55.75853	21.53041	0.178952	0.43222
57.11951	1.700897	0.995936	314.7764	55.7661	21.53342	0.178976	0.432553
57.1808	1.701133	0.996071	314.9637	55.77366	21.53642	0.179	0.432885
57.24208	1.701369	0.996205	315.1507	55.78122	21.53941	0.179025	0.433218
57.30337	1.701605	0.99634	315.3376	55.78876	21.54241	0.179049	0.43355
57.36466	1.70184	0.996475	315.5241	55.79629	21.54539	0.179073	0.433881
57.42594	1.702075	0.996609	315.7105	55.80382	21.54838	0.179097	0.434213
57.48723	1.70231	0.996743	315.8966	55.81134	21.55136	0.179121	0.434544

57.54852	1.702544	0.996877	316.0825	55.81884	21.55434	0.179146	0.434875
57.60981	1.702778	0.997011	316.2682	55.82634	21.55731	0.17917	0.435205
57.67109	1.703012	0.997144	316.4536	55.83383	21.56028	0.179194	0.435536
57.73238	1.703246	0.997278	316.6388	55.8413	21.56325	0.179218	0.435866
57.79367	1.703479	0.997411	316.8238	55.84877	21.56621	0.179242	0.436195
57.85495	1.703712	0.997544	317.0085	55.85623	21.56917	0.179266	0.436525
57.91624	1.703945	0.997677	317.1931	55.86368	21.57213	0.17929	0.436854
57.97753	1.704177	0.99781	317.3774	55.87113	21.57508	0.179314	0.437183
58.03882	1.704409	0.997943	317.5614	55.87856	21.57803	0.179337	0.437512
58.1001	1.704641	0.998075	317.7452	55.88598	21.58098	0.179361	0.437841
58.16139	1.704873	0.998208	317.9288	55.89339	21.58392	0.179385	0.438169
58.22268	1.705104	0.99834	318.1122	55.9008	21.58686	0.179409	0.438497
58.28396	1.705335	0.998472	318.2954	55.90819	21.58979	0.179433	0.438824
58.34525	1.705565	0.998604	318.4783	55.91558	21.59272	0.179456	0.439152
58.40654	1.705796	0.998735	318.661	55.92296	21.59565	0.17948	0.439479
58.46782	1.706026	0.998867	318.8434	55.93033	21.59857	0.179504	0.439806
58.52911	1.706256	0.998998	319.0257	55.93768	21.60149	0.179527	0.440132
58.5904	1.706485	0.999129	319.2077	55.94503	21.60441	0.179551	0.440459
58.65169	1.706715	0.99926	319.3894	55.95238	21.60732	0.179575	0.440785
58.71297	1.706944	0.999391	319.571	55.95971	21.61023	0.179598	0.441111
58.77426	1.707172	0.999522	319.7523	55.96703	21.61313	0.179622	0.441436
58.83555	1.707401	0.999652	319.9334	55.97434	21.61603	0.179645	0.441761
58.89683	1.707629	0.999783	320.1143	55.98165	21.61893	0.179669	0.442087
58.95812	1.707857	0.999913	320.295	55.98894	21.62183	0.179692	0.442411
59.01941	1.708084	1.000043	320.4754	55.99623	21.62472	0.179716	0.442736
59.08069	1.708312	1.000173	320.6556	56.00351	21.62761	0.179739	0.44306
59.14198	1.708539	1.000303	320.8356	56.01077	21.63049	0.179762	0.443384
59.20327	1.708766	1.000432	321.0154	56.01803	21.63337	0.179786	0.443708
59.26456	1.708992	1.000562	321.1949	56.02528	21.63625	0.179809	0.444031
59.32584	1.709218	1.000691	321.3742	56.03252	21.63912	0.179832	0.444354
59.38713	1.709444	1.00082	321.5533	56.03976	21.64199	0.179855	0.444677
59.44842	1.70967	1.000949	321.7322	56.04698	21.64486	0.179879	0.445
59.5097	1.709895	1.001078	321.9108	56.05419	21.64772	0.179902	0.445322
59.57099	1.71012	1.001206	322.0893	56.0614	21.65058	0.179925	0.445644
59.63228	1.710345	1.001335	322.2675	56.0686	21.65343	0.179948	0.445966
59.69356	1.71057	1.001463	322.4454	56.07578	21.65629	0.179971	0.446288
59.75485	1.710794	1.001591	322.6232	56.08296	21.65913	0.179994	0.446609
59.81614	1.711018	1.001719	322.8007	56.09013	21.66198	0.180017	0.44693
59.87743	1.711241	1.001847	322.9781	56.09729	21.66482	0.18004	0.447251
59.93871	1.711465	1.001974	323.1551	56.10444	21.66766	0.180063	0.447572
60	1.711688	1.002102	323.332	56.11159	21.67049	0.180086	0.447892
60.06129	1.711911	1.002229	323.5087	56.11872	21.67332	0.180109	0.448212
60.12257	1.712133	1.002356	323.6851	56.12585	21.67615	0.180132	0.448532
60.18386	1.712356	1.002484	323.8613	56.13296	21.67897	0.180155	0.448852
60.24515	1.712578	1.00261	324.0373	56.14007	21.6818	0.180178	0.449171
60.30644	1.7128	1.002737	324.2131	56.14717	21.68461	0.1802	0.44949
60.36772	1.713021	1.002864	324.3887	56.15426	21.68743	0.180223	0.449809

60.42901	1.713242	1.00299	324.564	56.16134	21.69024	0.180246	0.450127
60.4903	1.713463	1.003116	324.7391	56.16841	21.69304	0.180269	0.450445
60.55158	1.713684	1.003242	324.9141	56.17548	21.69585	0.180291	0.450763
60.61287	1.713904	1.003368	325.0887	56.18253	21.69865	0.180314	0.451081
60.67416	1.714124	1.003494	325.2632	56.18958	21.70144	0.180337	0.451398
60.73544	1.714344	1.00362	325.4375	56.19661	21.70423	0.180359	0.451716
60.79673	1.714564	1.003745	325.6115	56.20364	21.70702	0.180382	0.452033
60.85802	1.714783	1.00387	325.7853	56.21066	21.70981	0.180404	0.452349
60.91931	1.715002	1.003995	325.9589	56.21767	21.71259	0.180427	0.452666
60.98059	1.715221	1.00412	326.1323	56.22468	21.71537	0.180449	0.452982
61.04188	1.715439	1.004245	326.3055	56.23167	21.71815	0.180472	0.453298
61.10317	1.715658	1.00437	326.4785	56.23866	21.72092	0.180494	0.453613
61.16445	1.715876	1.004494	326.6512	56.24563	21.72369	0.180517	0.453929
61.22574	1.716093	1.004619	326.8237	56.2526	21.72645	0.180539	0.454244
61.28703	1.716311	1.004743	326.9961	56.25956	21.72921	0.180562	0.454559
61.34831	1.716528	1.004867	327.1682	56.26651	21.73197	0.180584	0.454874
61.4096	1.716745	1.004991	327.34	56.27345	21.73473	0.180606	0.455188
61.47089	1.716961	1.005115	327.5117	56.28038	21.73748	0.180628	0.455502
61.53218	1.717178	1.005238	327.6832	56.28731	21.74023	0.180651	0.455816
61.59346	1.717394	1.005362	327.8544	56.29422	21.74297	0.180673	0.456129
61.65475	1.71761	1.005485	328.0254	56.30113	21.74571	0.180695	0.456443
61.71604	1.717825	1.005608	328.1963	56.30803	21.74845	0.180717	0.456756
61.77732	1.71804	1.005731	328.3669	56.31492	21.75119	0.180739	0.457069
61.83861	1.718255	1.005854	328.5373	56.3218	21.75392	0.180762	0.457381
61.8999	1.71847	1.005977	328.7074	56.32868	21.75664	0.180784	0.457694
61.96118	1.718685	1.006099	328.8774	56.33554	21.75937	0.180806	0.458006
62.02247	1.718899	1.006222	329.0472	56.3424	21.76209	0.180828	0.458318
62.08376	1.719113	1.006344	329.2167	56.34924	21.76481	0.18085	0.458629
62.14505	1.719326	1.006466	329.386	56.35608	21.76752	0.180872	0.45894
62.20633	1.71954	1.006588	329.5552	56.36291	21.77023	0.180894	0.459251
62.26762	1.719753	1.00671	329.7241	56.36974	21.77294	0.180916	0.459562
62.32891	1.719966	1.006831	329.8928	56.37655	21.77564	0.180937	0.459873
62.39019	1.720178	1.006953	330.0613	56.38336	21.77835	0.180959	0.460183
62.45148	1.720391	1.007074	330.2296	56.39015	21.78104	0.180981	0.460493
62.51277	1.720603	1.007195	330.3977	56.39694	21.78374	0.181003	0.460803
62.57406	1.720815	1.007316	330.5656	56.40372	21.78643	0.181025	0.461112
62.63534	1.721026	1.007437	330.7333	56.4105	21.78912	0.181047	0.461422
62.69663	1.721238	1.007558	330.9008	56.41726	21.7918	0.181068	0.461731
62.75792	1.721449	1.007678	331.068	56.42402	21.79448	0.18109	0.462039
62.8192	1.72166	1.007799	331.2351	56.43076	21.79716	0.181112	0.462348
62.88049	1.72187	1.007919	331.4019	56.4375	21.79984	0.181133	0.462656
62.94178	1.722081	1.008039	331.5686	56.44423	21.80251	0.181155	0.462964
63.00306	1.722291	1.008159	331.735	56.45096	21.80518	0.181177	0.463272
63.06435	1.7225	1.008279	331.9012	56.45767	21.80784	0.181198	0.463579
63.12564	1.72271	1.008399	332.0672	56.46437	21.8105	0.18122	0.463887
63.18693	1.722919	1.008518	332.2331	56.47107	21.81316	0.181241	0.464194
63.24821	1.723128	1.008638	332.3987	56.47776	21.81582	0.181263	0.4645

63.3095	1.723337	1.008757	332.5641	56.48444	21.81847	0.181284	0.464807
63.37079	1.723546	1.008876	332.7293	56.49111	21.82112	0.181306	0.465113
63.43207	1.723754	1.008995	332.8943	56.49778	21.82376	0.181327	0.465419
63.49336	1.723962	1.009114	333.0591	56.50443	21.82641	0.181348	0.465725
63.55465	1.724169	1.009232	333.2236	56.51108	21.82904	0.18137	0.46603
63.61593	1.724377	1.009351	333.388	56.51772	21.83168	0.181391	0.466336
63.67722	1.724584	1.009469	333.5522	56.52435	21.83431	0.181412	0.466641
63.73851	1.724791	1.009587	333.7162	56.53098	21.83694	0.181434	0.466945
63.7998	1.724998	1.009705	333.8799	56.53759	21.83957	0.181455	0.46725
63.86108	1.725204	1.009823	334.0435	56.5442	21.84219	0.181476	0.467554
63.92237	1.72541	1.009941	334.2069	56.5508	21.84481	0.181497	0.467858
63.98366	1.725616	1.010059	334.37	56.55739	21.84742	0.181518	0.468162
64.04494	1.725822	1.010176	334.533	56.56397	21.85004	0.18154	0.468465
64.10623	1.726028	1.010294	334.6957	56.57054	21.85265	0.181561	0.468768
64.16752	1.726233	1.010411	334.8583	56.57711	21.85525	0.181582	0.469071
64.2288	1.726438	1.010528	335.0206	56.58366	21.85786	0.181603	0.469374
64.29009	1.726642	1.010645	335.1828	56.59021	21.86046	0.181624	0.469677
64.35138	1.726847	1.010761	335.3447	56.59676	21.86305	0.181645	0.469979
64.41267	1.727051	1.010878	335.5065	56.60329	21.86565	0.181666	0.470281
64.47395	1.727255	1.010995	335.668	56.60981	21.86824	0.181687	0.470583
64.53524	1.727458	1.011111	335.8293	56.61633	21.87082	0.181708	0.470884
64.59653	1.727662	1.011227	335.9905	56.62284	21.87341	0.181729	0.471185
64.65781	1.727865	1.011343	336.1514	56.62934	21.87599	0.18175	0.471486
64.7191	1.728068	1.011459	336.3122	56.63583	21.87857	0.181771	0.471787
64.78039	1.728271	1.011575	336.4727	56.64232	21.88114	0.181791	0.472087
64.84168	1.728473	1.01169	336.6331	56.6488	21.88371	0.181812	0.472388
64.90296	1.728675	1.011806	336.7932	56.65526	21.88628	0.181833	0.472688
64.96425	1.728877	1.011921	336.9531	56.66172	21.88885	0.181854	0.472987
65.02554	1.729079	1.012036	337.1129	56.66818	21.89141	0.181874	0.473287
65.08682	1.72928	1.012151	337.2724	56.67462	21.89397	0.181895	0.473586
65.14811	1.729481	1.012266	337.4318	56.68106	21.89652	0.181916	0.473885
65.2094	1.729682	1.012381	337.5909	56.68749	21.89907	0.181936	0.474184
65.27068	1.729883	1.012496	337.7499	56.69391	21.90162	0.181957	0.474483
65.33197	1.730083	1.01261	337.9087	56.70032	21.90417	0.181978	0.474781
65.39326	1.730283	1.012724	338.0672	56.70673	21.90671	0.181998	0.475079
65.45455	1.730483	1.012839	338.2256	56.71312	21.90925	0.182019	0.475377
65.51583	1.730683	1.012953	338.3837	56.71951	21.91179	0.182039	0.475674
65.57712	1.730882	1.013066	338.5417	56.72589	21.91432	0.18206	0.475971
65.63841	1.731082	1.01318	338.6995	56.73227	21.91685	0.18208	0.476269
65.69969	1.731281	1.013294	338.8571	56.73863	21.91938	0.182101	0.476565
65.76098	1.731479	1.013407	339.0144	56.74499	21.9219	0.182121	0.476862
65.82227	1.731678	1.013521	339.1716	56.75134	21.92442	0.182142	0.477158
65.88355	1.731876	1.013634	339.3286	56.75768	21.92694	0.182162	0.477454
65.94484	1.732074	1.013747	339.4854	56.76401	21.92946	0.182182	0.47775
66.00613	1.732272	1.01386	339.642	56.77034	21.93197	0.182203	0.478046
66.06742	1.732469	1.013973	339.7984	56.77666	21.93448	0.182223	0.478341
66.1287	1.732666	1.014085	339.9546	56.78297	21.93698	0.182243	0.478636

66.18999	1.732863	1.014198	340.1106	56.78927	21.93948	0.182264	0.478931
66.25128	1.73306	1.01431	340.2665	56.79557	21.94198	0.182284	0.479226
66.31256	1.733256	1.014422	340.4221	56.80185	21.94448	0.182304	0.47952
66.37385	1.733453	1.014534	340.5775	56.80813	21.94697	0.182324	0.479814
66.43514	1.733649	1.014646	340.7328	56.8144	21.94946	0.182344	0.480108
66.49642	1.733844	1.014758	340.8878	56.82067	21.95195	0.182364	0.480402
66.55771	1.73404	1.01487	341.0427	56.82692	21.95443	0.182384	0.480695
66.619	1.734235	1.014981	341.1973	56.83317	21.95691	0.182405	0.480988
66.68029	1.73443	1.015093	341.3518	56.83941	21.95939	0.182425	0.481281
66.74157	1.734625	1.015204	341.5061	56.84564	21.96186	0.182445	0.481574
66.80286	1.73482	1.015315	341.6602	56.85187	21.96434	0.182465	0.481866
66.86415	1.735014	1.015426	341.8141	56.85808	21.9668	0.182485	0.482158
66.92543	1.735208	1.015537	341.9678	56.86429	21.96927	0.182505	0.48245
66.98672	1.735402	1.015647	342.1213	56.87049	21.97173	0.182524	0.482742
67.04801	1.735596	1.015758	342.2746	56.87669	21.97419	0.182544	0.483033
67.1093	1.735789	1.015868	342.4277	56.88287	21.97665	0.182564	0.483325
67.17058	1.735982	1.015979	342.5807	56.88905	21.9791	0.182584	0.483616
67.23187	1.736175	1.016089	342.7334	56.89522	21.98155	0.182604	0.483906
67.29316	1.736367	1.016199	342.886	56.90139	21.984	0.182624	0.484197
67.35444	1.73656	1.016309	343.0384	56.90754	21.98644	0.182644	0.484487
67.41573	1.736752	1.016418	343.1906	56.91369	21.98888	0.182663	0.484777
67.47702	1.736944	1.016528	343.3425	56.91983	21.99132	0.182683	0.485067
67.5383	1.737136	1.016637	343.4943	56.92596	21.99376	0.182703	0.485356
67.59959	1.737327	1.016747	343.646	56.93209	21.99619	0.182722	0.485646
67.66088	1.737518	1.016856	343.7974	56.9382	21.99862	0.182742	0.485935
67.72217	1.737709	1.016965	343.9486	56.94431	22.00104	0.182762	0.486223
67.78345	1.7379	1.017074	344.0997	56.95042	22.00347	0.182781	0.486512
67.84474	1.738091	1.017183	344.2505	56.95651	22.00589	0.182801	0.4868
67.90603	1.738281	1.017291	344.4012	56.9626	22.0083	0.18282	0.487088
67.96731	1.738471	1.0174	344.5517	56.96868	22.01072	0.18284	0.487376
68.0286	1.738661	1.017508	344.702	56.97475	22.01313	0.182859	0.487664
68.08989	1.73885	1.017616	344.8521	56.98081	22.01554	0.182879	0.487951
68.15117	1.73904	1.017725	345.002	56.98687	22.01794	0.182898	0.488238
68.21246	1.739229	1.017833	345.1518	56.99292	22.02034	0.182918	0.488525
68.27375	1.739417	1.01794	345.3013	56.99896	22.02274	0.182937	0.488812
68.33504	1.739606	1.018048	345.4507	57.005	22.02514	0.182957	0.489098
68.39632	1.739794	1.018156	345.5999	57.01102	22.02753	0.182976	0.489385
68.45761	1.739983	1.018263	345.7488	57.01704	22.02992	0.182995	0.48967
68.5189	1.740171	1.01837	345.8977	57.02305	22.03231	0.183015	0.489956
68.58018	1.740358	1.018478	346.0463	57.02906	22.0347	0.183034	0.490242
68.64147	1.740546	1.018585	346.1947	57.03506	22.03708	0.183053	0.490527
68.70276	1.740733	1.018692	346.343	57.04105	22.03946	0.183072	0.490812
68.76404	1.74092	1.018798	346.491	57.04703	22.04183	0.183092	0.491097
68.82533	1.741107	1.018905	346.6389	57.053	22.0442	0.183111	0.491381
68.88662	1.741293	1.019011	346.7866	57.05897	22.04657	0.18313	0.491665
68.94791	1.74148	1.019118	346.9341	57.06493	22.04894	0.183149	0.49195
69.00919	1.741666	1.019224	347.0815	57.07088	22.0513	0.183168	0.492233

69.07048	1.741852	1.01933	347.2286	57.07683	22.05366	0.183187	0.492517
69.13177	1.742037	1.019436	347.3756	57.08277	22.05602	0.183206	0.4928
69.19305	1.742223	1.019542	347.5224	57.0887	22.05838	0.183226	0.493083
69.25434	1.742408	1.019648	347.6691	57.09462	22.06073	0.183245	0.493366
69.31563	1.742593	1.019753	347.8155	57.10054	22.06308	0.183264	0.493649
69.37692	1.742777	1.019859	347.9617	57.10645	22.06543	0.183283	0.493931
69.4382	1.742962	1.019964	348.1078	57.11235	22.06777	0.183302	0.494213
69.49949	1.743146	1.020069	348.2537	57.11824	22.07011	0.18332	0.494495
69.56078	1.74333	1.020174	348.3994	57.12413	22.07245	0.183339	0.494777
69.62206	1.743514	1.020279	348.545	57.13001	22.07478	0.183358	0.495058
69.68335	1.743698	1.020384	348.6903	57.13588	22.07712	0.183377	0.49534
69.74464	1.743881	1.020489	348.8355	57.14175	22.07945	0.183396	0.495621
69.80592	1.744064	1.020593	348.9805	57.1476	22.08177	0.183415	0.495901
69.86721	1.744247	1.020698	349.1253	57.15345	22.0841	0.183434	0.496182
69.9285	1.74443	1.020802	349.2699	57.1593	22.08642	0.183452	0.496462
69.98979	1.744612	1.020906	349.4143	57.16513	22.08873	0.183471	0.496742
70.05107	1.744794	1.02101	349.5586	57.17096	22.09105	0.18349	0.497022
70.11236	1.744976	1.021114	349.7027	57.17678	22.09336	0.183509	0.497302
70.17365	1.745158	1.021218	349.8466	57.1826	22.09567	0.183527	0.497581
70.23493	1.74534	1.021322	349.9904	57.18841	22.09798	0.183546	0.49786
70.29622	1.745521	1.021425	350.1339	57.19421	22.10028	0.183565	0.498139
70.35751	1.745702	1.021529	350.2773	57.2	22.10258	0.183583	0.498418
70.41879	1.745883	1.021632	350.4205	57.20578	22.10488	0.183602	0.498696
70.48008	1.746064	1.021735	350.5635	57.21156	22.10717	0.18362	0.498974
70.54137	1.746244	1.021838	350.7063	57.21733	22.10947	0.183639	0.499252
70.60266	1.746424	1.021941	350.849	57.2231	22.11176	0.183657	0.49953
70.66394	1.746604	1.022044	350.9915	57.22886	22.11404	0.183676	0.499807
70.72523	1.746784	1.022146	351.1338	57.23461	22.11633	0.183694	0.500085
70.78652	1.746964	1.022249	351.2759	57.24035	22.11861	0.183713	0.500362
70.8478	1.747143	1.022351	351.4179	57.24608	22.12089	0.183731	0.500638
70.90909	1.747322	1.022453	351.5597	57.25181	22.12316	0.18375	0.500915
70.97038	1.747501	1.022556	351.7013	57.25753	22.12543	0.183768	0.501191
71.03166	1.74768	1.022658	351.8427	57.26325	22.1277	0.183786	0.501467
71.09295	1.747858	1.022759	351.984	57.26896	22.12997	0.183805	0.501743
71.15424	1.748036	1.022861	352.1251	57.27466	22.13223	0.183823	0.502019
71.21553	1.748214	1.022963	352.266	57.28035	22.13449	0.183841	0.502294
71.27681	1.748392	1.023064	352.4067	57.28604	22.13675	0.18386	0.502569
71.3381	1.74857	1.023166	352.5472	57.29171	22.13901	0.183878	0.502844
71.39939	1.748747	1.023267	352.6876	57.29739	22.14126	0.183896	0.503119
71.46067	1.748924	1.023368	352.8278	57.30305	22.14351	0.183914	0.503394
71.52196	1.749101	1.023469	352.9679	57.30871	22.14576	0.183932	0.503668
71.58325	1.749278	1.02357	353.1077	57.31436	22.148	0.183951	0.503942
71.64454	1.749454	1.023671	353.2474	57.32	22.15025	0.183969	0.504216
71.70582	1.74963	1.023771	353.3869	57.32564	22.15248	0.183987	0.504489
71.76711	1.749806	1.023872	353.5262	57.33127	22.15472	0.184005	0.504763
71.8284	1.749982	1.023972	353.6654	57.33689	22.15695	0.184023	0.505036
71.88968	1.750158	1.024072	353.8044	57.34251	22.15919	0.184041	0.505309

71.95097	1.750333	1.024172	353.9432	57.34812	22.16141	0.184059	0.505581
72.01226	1.750508	1.024272	354.0818	57.35372	22.16364	0.184077	0.505854
72.07354	1.750683	1.024372	354.2203	57.35932	22.16586	0.184095	0.506126
72.13483	1.750858	1.024472	354.3586	57.3649	22.16808	0.184113	0.506398
72.19612	1.751033	1.024572	354.4968	57.37049	22.1703	0.184131	0.506669
72.25741	1.751207	1.024671	354.6347	57.37606	22.17251	0.184149	0.506941
72.31869	1.751381	1.024771	354.7725	57.38163	22.17472	0.184167	0.507212
72.37998	1.751555	1.02487	354.9101	57.38719	22.17693	0.184185	0.507483
72.44127	1.751728	1.024969	355.0475	57.39274	22.17914	0.184202	0.507754
72.50255	1.751902	1.025068	355.1848	57.39829	22.18134	0.18422	0.508025
72.56384	1.752075	1.025167	355.3219	57.40383	22.18354	0.184238	0.508295
72.62513	1.752248	1.025266	355.4589	57.40936	22.18574	0.184256	0.508565
72.68641	1.752421	1.025364	355.5956	57.41489	22.18793	0.184274	0.508835
72.7477	1.752593	1.025463	355.7322	57.42041	22.19013	0.184291	0.509105
72.80899	1.752766	1.025561	355.8686	57.42592	22.19232	0.184309	0.509374
72.87028	1.752938	1.025659	356.0049	57.43142	22.1945	0.184327	0.509644
72.93156	1.75311	1.025758	356.141	57.43692	22.19669	0.184344	0.509913
72.99285	1.753282	1.025856	356.2769	57.44241	22.19887	0.184362	0.510181
73.05414	1.753453	1.025953	356.4126	57.4479	22.20105	0.18438	0.51045
73.11542	1.753625	1.026051	356.5482	57.45338	22.20323	0.184397	0.510718
73.17671	1.753796	1.026149	356.6836	57.45885	22.2054	0.184415	0.510986
73.238	1.753966	1.026246	356.8188	57.46431	22.20757	0.184432	0.511254
73.29928	1.754137	1.026344	356.9539	57.46977	22.20974	0.18445	0.511522
73.36057	1.754308	1.026441	357.0888	57.47522	22.2119	0.184467	0.511789
73.42186	1.754478	1.026538	357.2235	57.48067	22.21407	0.184485	0.512057
73.48315	1.754648	1.026635	357.3581	57.48611	22.21623	0.184502	0.512324
73.54443	1.754818	1.026732	357.4925	57.49154	22.21838	0.18452	0.51259
73.60572	1.754987	1.026829	357.6267	57.49696	22.22054	0.184537	0.512857
73.66701	1.755157	1.026926	357.7608	57.50238	22.22269	0.184555	0.513123
73.72829	1.755326	1.027022	357.8947	57.50779	22.22484	0.184572	0.513389
73.78958	1.755495	1.027119	358.0284	57.51319	22.22699	0.184589	0.513655
73.85087	1.755664	1.027215	358.162	57.51859	22.22913	0.184607	0.513921
73.91216	1.755832	1.027311	358.2954	57.52398	22.23127	0.184624	0.514186
73.97344	1.756001	1.027408	358.4286	57.52936	22.23341	0.184641	0.514451
74.03473	1.756169	1.027503	358.5617	57.53474	22.23555	0.184659	0.514716
74.09602	1.756337	1.027599	358.6946	57.54011	22.23768	0.184676	0.514981
74.1573	1.756505	1.027695	358.8274	57.54548	22.23981	0.184693	0.515246
74.21859	1.756672	1.027791	358.9599	57.55083	22.24194	0.18471	0.51551
74.27988	1.756839	1.027886	359.0923	57.55618	22.24407	0.184728	0.515774
74.34116	1.757006	1.027982	359.2246	57.56153	22.24619	0.184745	0.516038
74.40245	1.757173	1.028077	359.3567	57.56686	22.24831	0.184762	0.516301
74.46374	1.75734	1.028172	359.4886	57.57219	22.25043	0.184779	0.516565
74.52503	1.757507	1.028267	359.6203	57.57752	22.25254	0.184796	0.516828
74.58631	1.757673	1.028362	359.7519	57.58284	22.25466	0.184813	0.517091
74.6476	1.757839	1.028457	359.8833	57.58815	22.25677	0.18483	0.517354
74.70889	1.758005	1.028551	360.0146	57.59345	22.25887	0.184847	0.517616
74.77017	1.758171	1.028646	360.1457	57.59875	22.26098	0.184864	0.517879

74.83146	1.758336	1.02874	360.2766	57.60404	22.26308	0.184881	0.518141
74.89275	1.758501	1.028835	360.4074	57.60932	22.26518	0.184898	0.518403
74.95403	1.758666	1.028929	360.538	57.6146	22.26728	0.184915	0.518664
75.01532	1.758831	1.029023	360.6684	57.61987	22.26937	0.184932	0.518926
75.07661	1.758996	1.029117	360.7987	57.62514	22.27146	0.184949	0.519187
75.1379	1.75916	1.029211	360.9288	57.6304	22.27355	0.184966	0.519448
75.19918	1.759325	1.029305	361.0588	57.63565	22.27564	0.184983	0.519709
75.26047	1.759489	1.029398	361.1886	57.64089	22.27772	0.185	0.519969
75.32176	1.759652	1.029492	361.3182	57.64613	22.2798	0.185017	0.520229
75.38304	1.759816	1.029585	361.4477	57.65136	22.28188	0.185033	0.520489
75.44433	1.759979	1.029678	361.577	57.65659	22.28396	0.18505	0.520749
75.50562	1.760143	1.029772	361.7062	57.66181	22.28603	0.185067	0.521009
75.56691	1.760306	1.029865	361.8352	57.66702	22.2881	0.185084	0.521268
75.62819	1.760469	1.029958	361.964	57.67223	22.29017	0.1851	0.521528
75.68948	1.760631	1.03005	362.0927	57.67743	22.29224	0.185117	0.521787
75.75077	1.760794	1.030143	362.2212	57.68262	22.2943	0.185134	0.522045
75.81205	1.760956	1.030236	362.3496	57.68781	22.29636	0.18515	0.522304
75.87334	1.761118	1.030328	362.4778	57.69299	22.29842	0.185167	0.522562
75.93463	1.76128	1.03042	362.6058	57.69816	22.30048	0.185184	0.52282
75.99591	1.761441	1.030513	362.7337	57.70333	22.30253	0.1852	0.523078
76.0572	1.761603	1.030605	362.8614	57.70849	22.30458	0.185217	0.523336
76.11849	1.761764	1.030697	362.989	57.71365	22.30663	0.185233	0.523594
76.17978	1.761925	1.030789	363.1164	57.7188	22.30868	0.18525	0.523851
76.24106	1.762086	1.030881	363.2437	57.72394	22.31072	0.185267	0.524108
76.30235	1.762247	1.030972	363.3708	57.72908	22.31276	0.185283	0.524365
76.36364	1.762407	1.031064	363.4977	57.73421	22.3148	0.1853	0.524621
76.42492	1.762567	1.031155	363.6245	57.73933	22.31683	0.185316	0.524878
76.48621	1.762727	1.031247	363.7511	57.74445	22.31887	0.185332	0.525134
76.5475	1.762887	1.031338	363.8776	57.74956	22.3209	0.185349	0.52539
76.60878	1.763047	1.031429	364.0039	57.75466	22.32293	0.185365	0.525645
76.67007	1.763206	1.03152	364.13	57.75976	22.32495	0.185382	0.525901
76.73136	1.763366	1.031611	364.256	57.76485	22.32698	0.185398	0.526156
76.79265	1.763525	1.031702	364.3819	57.76994	22.329	0.185414	0.526411
76.85393	1.763683	1.031792	364.5075	57.77502	22.33101	0.185431	0.526666
76.91522	1.763842	1.031883	364.6331	57.78009	22.33303	0.185447	0.526921
76.97651	1.764001	1.031973	364.7584	57.78516	22.33504	0.185463	0.527175
77.03779	1.764159	1.032064	364.8836	57.79022	22.33705	0.185479	0.527429
77.09908	1.764317	1.032154	365.0087	57.79527	22.33906	0.185496	0.527683
77.16037	1.764475	1.032244	365.1336	57.80032	22.34107	0.185512	0.527937
77.22165	1.764633	1.032334	365.2583	57.80536	22.34307	0.185528	0.528191
77.28294	1.76479	1.032424	365.3829	57.8104	22.34507	0.185544	0.528444
77.34423	1.764947	1.032513	365.5074	57.81542	22.34707	0.18556	0.528697
77.40552	1.765104	1.032603	365.6317	57.82045	22.34907	0.185577	0.52895
77.4668	1.765261	1.032693	365.7558	57.82546	22.35106	0.185593	0.529203
77.52809	1.765418	1.032782	365.8798	57.83047	22.35305	0.185609	0.529455
77.58938	1.765575	1.032871	366.0036	57.83548	22.35504	0.185625	0.529708
77.65066	1.765731	1.032961	366.1273	57.84048	22.35703	0.185641	0.52996

77.71195	1.765887	1.03305	366.2508	57.84547	22.35901	0.185657	0.530212
77.77324	1.766043	1.033139	366.3741	57.85045	22.36099	0.185673	0.530463
77.83453	1.766199	1.033228	366.4973	57.85543	22.36297	0.185689	0.530715
77.89581	1.766354	1.033316	366.6204	57.86041	22.36495	0.185705	0.530966
77.9571	1.76651	1.033405	366.7433	57.86537	22.36692	0.185721	0.531217
78.01839	1.766665	1.033494	366.866	57.87033	22.36889	0.185737	0.531468
78.07967	1.76682	1.033582	366.9886	57.87529	22.37086	0.185753	0.531718
78.14096	1.766975	1.03367	367.1111	57.88024	22.37283	0.185769	0.531969
78.20225	1.767129	1.033759	367.2334	57.88518	22.37479	0.185785	0.532219
78.26353	1.767284	1.033847	367.3555	57.89012	22.37675	0.1858	0.532469
78.32482	1.767438	1.033935	367.4775	57.89505	22.37871	0.185816	0.532718
78.38611	1.767592	1.034023	367.5993	57.89997	22.38067	0.185832	0.532968
78.4474	1.767746	1.03411	367.721	57.90489	22.38262	0.185848	0.533217
78.50868	1.767899	1.034198	367.8426	57.9098	22.38457	0.185864	0.533466
78.56997	1.768053	1.034286	367.9639	57.91471	22.38652	0.185879	0.533715
78.63126	1.768206	1.034373	368.0852	57.91961	22.38847	0.185895	0.533964
78.69254	1.768359	1.03446	368.2063	57.9245	22.39042	0.185911	0.534212
78.75383	1.768512	1.034548	368.3272	57.92939	22.39236	0.185927	0.534461
78.81512	1.768665	1.034635	368.448	57.93427	22.3943	0.185942	0.534709
78.8764	1.768817	1.034722	368.5686	57.93914	22.39624	0.185958	0.534956
78.93769	1.76897	1.034809	368.6891	57.94401	22.39817	0.185974	0.535204
78.99898	1.769122	1.034896	368.8094	57.94888	22.4001	0.185989	0.535451
79.06027	1.769274	1.034982	368.9296	57.95373	22.40203	0.186005	0.535699
79.12155	1.769425	1.035069	369.0496	57.95859	22.40396	0.18602	0.535946
79.18284	1.769577	1.035155	369.1695	57.96343	22.40589	0.186036	0.536192
79.24413	1.769728	1.035242	369.2892	57.96827	22.40781	0.186052	0.536439
79.30541	1.76988	1.035328	369.4088	57.9731	22.40973	0.186067	0.536685
79.3667	1.770031	1.035414	369.5283	57.97793	22.41165	0.186083	0.536931
79.42799	1.770181	1.0355	369.6476	57.98275	22.41357	0.186098	0.537177
79.48927	1.770332	1.035586	369.7667	57.98757	22.41548	0.186114	0.537423
79.55056	1.770483	1.035672	369.8857	57.99238	22.41739	0.186129	0.537669
79.61185	1.770633	1.035758	370.0045	57.99718	22.4193	0.186144	0.537914
79.67314	1.770783	1.035843	370.1232	58.00198	22.42121	0.18616	0.538159
79.73442	1.770933	1.035929	370.2418	58.00677	22.42311	0.186175	0.538404
79.79571	1.771082	1.036014	370.3602	58.01155	22.42501	0.186191	0.538648
79.857	1.771232	1.0361	370.4784	58.01633	22.42691	0.186206	0.538893
79.91828	1.771381	1.036185	370.5966	58.02111	22.42881	0.186221	0.539137
79.97957	1.771531	1.03627	370.7145	58.02587	22.4307	0.186237	0.539381
80.04086	1.771679	1.036355	370.8323	58.03064	22.4326	0.186252	0.539625
80.10215	1.771828	1.03644	370.95	58.03539	22.43449	0.186267	0.539869
80.16343	1.771977	1.036525	371.0675	58.04014	22.43638	0.186282	0.540112
80.22472	1.772125	1.036609	371.1849	58.04489	22.43826	0.186298	0.540355
80.28601	1.772274	1.036694	371.3021	58.04962	22.44014	0.186313	0.540598
80.34729	1.772422	1.036778	371.4192	58.05436	22.44203	0.186328	0.540841
80.40858	1.772569	1.036863	371.5361	58.05908	22.4439	0.186343	0.541084
80.46987	1.772717	1.036947	371.6529	58.0638	22.44578	0.186359	0.541326
80.53115	1.772865	1.037031	371.7696	58.06852	22.44765	0.186374	0.541568

80.59244	1.773012	1.037115	371.8861	58.07323	22.44953	0.186389	0.54181
80.65373	1.773159	1.037199	372.0025	58.07793	22.45139	0.186404	0.542052
80.71502	1.773306	1.037283	372.1187	58.08263	22.45326	0.186419	0.542293
80.7763	1.773453	1.037367	372.2347	58.08732	22.45513	0.186434	0.542535
80.83759	1.773599	1.03745	372.3507	58.092	22.45699	0.186449	0.542776
80.89888	1.773746	1.037534	372.4664	58.09668	22.45885	0.186464	0.543017
80.96016	1.773892	1.037617	372.5821	58.10136	22.46071	0.186479	0.543258
81.02145	1.774038	1.037701	372.6976	58.10603	22.46256	0.186494	0.543498
81.08274	1.774184	1.037784	372.8129	58.11069	22.46441	0.186509	0.543738
81.14402	1.77433	1.037867	372.9281	58.11535	22.46627	0.186524	0.543979
81.20531	1.774475	1.03795	373.0432	58.12	22.46811	0.186539	0.544219
81.2666	1.77462	1.038033	373.1581	58.12464	22.46996	0.186554	0.544458
81.32789	1.774766	1.038116	373.2729	58.12928	22.4718	0.186569	0.544698
81.38917	1.774911	1.038198	373.3875	58.13391	22.47365	0.186584	0.544937
81.45046	1.775055	1.038281	373.502	58.13854	22.47549	0.186599	0.545176
81.51175	1.7752	1.038363	373.6164	58.14316	22.47732	0.186613	0.545415
81.57303	1.775344	1.038446	373.7306	58.14778	22.47916	0.186628	0.545654
81.63432	1.775489	1.038528	373.8446	58.15239	22.48099	0.186643	0.545892
81.69561	1.775633	1.03861	373.9586	58.15699	22.48282	0.186658	0.54613
81.75689	1.775777	1.038692	374.0723	58.16159	22.48465	0.186673	0.546368
81.81818	1.77592	1.038774	374.186	58.16619	22.48647	0.186687	0.546606
81.87947	1.776064	1.038856	374.2995	58.17077	22.4883	0.186702	0.546844
81.94076	1.776207	1.038938	374.4128	58.17536	22.49012	0.186717	0.547081
82.00204	1.77635	1.03902	374.526	58.17993	22.49194	0.186732	0.547319
82.06333	1.776493	1.039101	374.6391	58.1845	22.49375	0.186746	0.547556
82.12462	1.776636	1.039183	374.7521	58.18907	22.49557	0.186761	0.547793
82.1859	1.776779	1.039264	374.8648	58.19363	22.49738	0.186776	0.548029
82.24719	1.776921	1.039345	374.9775	58.19818	22.49919	0.18679	0.548266
82.30848	1.777064	1.039427	375.09	58.20273	22.501	0.186805	0.548502
82.36977	1.777206	1.039508	375.2024	58.20727	22.50281	0.186819	0.548738
82.43105	1.777348	1.039589	375.3147	58.21181	22.50461	0.186834	0.548974
82.49234	1.777489	1.03967	375.4268	58.21634	22.50641	0.186849	0.549209
82.55363	1.777631	1.03975	375.5387	58.22087	22.50821	0.186863	0.549445
82.61491	1.777772	1.039831	375.6506	58.22539	22.51001	0.186878	0.54968
82.6762	1.777914	1.039912	375.7622	58.2299	22.5118	0.186892	0.549915
82.73749	1.778055	1.039992	375.8738	58.23441	22.51359	0.186907	0.55015
82.79877	1.778196	1.040073	375.9852	58.23891	22.51538	0.186921	0.550384
82.86006	1.778336	1.040153	376.0965	58.24341	22.51717	0.186936	0.550619
82.92135	1.778477	1.040233	376.2076	58.2479	22.51896	0.18695	0.550853
82.98264	1.778617	1.040313	376.3186	58.25239	22.52074	0.186964	0.551087
83.04392	1.778758	1.040393	376.4295	58.25687	22.52252	0.186979	0.551321
83.10521	1.778898	1.040473	376.5402	58.26135	22.5243	0.186993	0.551555
83.1665	1.779038	1.040553	376.6508	58.26582	22.52608	0.187008	0.551788
83.22778	1.779177	1.040632	376.7612	58.27028	22.52785	0.187022	0.552021
83.28907	1.779317	1.040712	376.8715	58.27474	22.52962	0.187036	0.552254
83.35036	1.779456	1.040792	376.9817	58.27919	22.53139	0.187051	0.552487
83.41164	1.779595	1.040871	377.0917	58.28364	22.53316	0.187065	0.55272

83.47293	1.779734	1.04095	377.2016	58.28808	22.53493	0.187079	0.552952
83.53422	1.779873	1.041029	377.3114	58.29252	22.53669	0.187093	0.553184
83.59551	1.780012	1.041108	377.421	58.29695	22.53845	0.187108	0.553416
83.65679	1.78015	1.041187	377.5305	58.30138	22.54021	0.187122	0.553648
83.71808	1.780289	1.041266	377.6399	58.3058	22.54197	0.187136	0.55388
83.77937	1.780427	1.041345	377.7491	58.31021	22.54373	0.18715	0.554111
83.84065	1.780565	1.041424	377.8582	58.31462	22.54548	0.187164	0.554342
83.90194	1.780702	1.041503	377.9671	58.31903	22.54723	0.187179	0.554573
83.96323	1.78084	1.041581	378.0759	58.32342	22.54898	0.187193	0.554804
84.02451	1.780978	1.041659	378.1846	58.32782	22.55072	0.187207	0.555035
84.0858	1.781115	1.041738	378.2932	58.33221	22.55247	0.187221	0.555265
84.14709	1.781252	1.041816	378.4016	58.33659	22.55421	0.187235	0.555495
84.20838	1.781389	1.041894	378.5098	58.34096	22.55595	0.187249	0.555725
84.26966	1.781526	1.041972	378.618	58.34534	22.55769	0.187263	0.555955
84.33095	1.781662	1.04205	378.726	58.3497	22.55942	0.187277	0.556185
84.39224	1.781799	1.042128	378.8339	58.35406	22.56116	0.187291	0.556414
84.45352	1.781935	1.042206	378.9416	58.35842	22.56289	0.187305	0.556644
84.51481	1.782071	1.042283	379.0492	58.36277	22.56462	0.187319	0.556873
84.5761	1.782207	1.042361	379.1567	58.36711	22.56635	0.187333	0.557101
84.63739	1.782343	1.042438	379.264	58.37145	22.56807	0.187347	0.55733
84.69867	1.782478	1.042516	379.3712	58.37578	22.56979	0.187361	0.557558
84.75996	1.782614	1.042593	379.4783	58.38011	22.57151	0.187375	0.557787
84.82125	1.782749	1.04267	379.5852	58.38443	22.57323	0.187389	0.558015
84.88253	1.782884	1.042747	379.692	58.38875	22.57495	0.187403	0.558243
84.94382	1.783019	1.042824	379.7987	58.39306	22.57666	0.187416	0.55847
85.00511	1.783154	1.042901	379.9052	58.39737	22.57838	0.18743	0.558698
85.06639	1.783289	1.042978	380.0116	58.40167	22.58009	0.187444	0.558925
85.12768	1.783423	1.043054	380.1179	58.40597	22.58179	0.187458	0.559152
85.18897	1.783557	1.043131	380.224	58.41026	22.5835	0.187472	0.559379
85.25026	1.783691	1.043207	380.3301	58.41454	22.5852	0.187485	0.559606
85.31154	1.783825	1.043284	380.4359	58.41882	22.5869	0.187499	0.559832
85.37283	1.783959	1.04336	380.5417	58.4231	22.5886	0.187513	0.560058
85.43412	1.784093	1.043436	380.6473	58.42737	22.5903	0.187527	0.560285
85.4954	1.784226	1.043513	380.7528	58.43163	22.592	0.18754	0.56051
85.55669	1.784359	1.043589	380.8581	58.43589	22.59369	0.187554	0.560736
85.61798	1.784493	1.043664	380.9634	58.44014	22.59538	0.187568	0.560962
85.67926	1.784626	1.04374	381.0684	58.44439	22.59707	0.187581	0.561187
85.74055	1.784758	1.043816	381.1734	58.44864	22.59876	0.187595	0.561412
85.80184	1.784891	1.043892	381.2782	58.45287	22.60044	0.187609	0.561637
85.86313	1.785023	1.043967	381.3829	58.45711	22.60213	0.187622	0.561862
85.92441	1.785156	1.044043	381.4875	58.46133	22.60381	0.187636	0.562086
85.9857	1.785288	1.044118	381.5919	58.46556	22.60548	0.187649	0.562311
86.04699	1.78542	1.044193	381.6963	58.46977	22.60716	0.187663	0.562535
86.10827	1.785552	1.044268	381.8004	58.47398	22.60884	0.187676	0.562759
86.16956	1.785683	1.044344	381.9045	58.47819	22.61051	0.18769	0.562982
86.23085	1.785815	1.044419	382.0084	58.48239	22.61218	0.187703	0.563206
86.29213	1.785946	1.044493	382.1122	58.48659	22.61385	0.187717	0.563429

86.35342	1.786077	1.044568	382.2159	58.49078	22.61551	0.18773	0.563653
86.41471	1.786208	1.044643	382.3194	58.49496	22.61718	0.187744	0.563876
86.476	1.786339	1.044718	382.4228	58.49914	22.61884	0.187757	0.564098
86.53728	1.78647	1.044792	382.5261	58.50332	22.6205	0.187771	0.564321
86.59857	1.7866	1.044867	382.6292	58.50749	22.62216	0.187784	0.564543
86.65986	1.78673	1.044941	382.7323	58.51165	22.62381	0.187797	0.564766
86.72114	1.786861	1.045015	382.8352	58.51581	22.62547	0.187811	0.564988
86.78243	1.786991	1.045089	382.9379	58.51997	22.62712	0.187824	0.565209
86.84372	1.78712	1.045163	383.0406	58.52412	22.62877	0.187837	0.565431
86.90501	1.78725	1.045237	383.1431	58.52826	22.63042	0.187851	0.565653
86.96629	1.78738	1.045311	383.2455	58.5324	22.63206	0.187864	0.565874
87.02758	1.787509	1.045385	383.3477	58.53653	22.63371	0.187877	0.566095
87.08887	1.787638	1.045459	383.4498	58.54066	22.63535	0.187891	0.566316
87.15015	1.787767	1.045532	383.5519	58.54479	22.63699	0.187904	0.566536
87.21144	1.787896	1.045606	383.6537	58.54891	22.63862	0.187917	0.566757
87.27273	1.788025	1.045679	383.7555	58.55302	22.64026	0.18793	0.566977
87.33401	1.788154	1.045753	383.8571	58.55713	22.64189	0.187944	0.567197
87.3953	1.788282	1.045826	383.9586	58.56123	22.64352	0.187957	0.567417
87.45659	1.78841	1.045899	384.06	58.56533	22.64515	0.18797	0.567637
87.51788	1.788538	1.045972	384.1612	58.56942	22.64678	0.187983	0.567857
87.57916	1.788666	1.046045	384.2623	58.57351	22.64841	0.187996	0.568076
87.64045	1.788794	1.046118	384.3633	58.57759	22.65003	0.188009	0.568295
87.70174	1.788922	1.046191	384.4642	58.58167	22.65165	0.188022	0.568514
87.76302	1.789049	1.046263	384.5649	58.58574	22.65327	0.188035	0.568733
87.82431	1.789176	1.046336	384.6655	58.58981	22.65489	0.188049	0.568951
87.8856	1.789304	1.046408	384.766	58.59387	22.6565	0.188062	0.56917
87.94688	1.789431	1.046481	384.8664	58.59793	22.65812	0.188075	0.569388
88.00817	1.789557	1.046553	384.9666	58.60198	22.65973	0.188088	0.569606
88.06946	1.789684	1.046625	385.0668	58.60603	22.66134	0.188101	0.569824
88.13075	1.789811	1.046698	385.1668	58.61007	22.66295	0.188114	0.570041
88.19203	1.789937	1.04677	385.2666	58.61411	22.66455	0.188127	0.570259
88.25332	1.790063	1.046842	385.3664	58.61814	22.66615	0.18814	0.570476
88.31461	1.790189	1.046914	385.466	58.62217	22.66776	0.188153	0.570693
88.37589	1.790315	1.046985	385.5655	58.62619	22.66936	0.188165	0.57091
88.43718	1.790441	1.047057	385.6648	58.63021	22.67095	0.188178	0.571127
88.49847	1.790566	1.047129	385.7641	58.63422	22.67255	0.188191	0.571343
88.55975	1.790692	1.0472	385.8632	58.63823	22.67414	0.188204	0.57156
88.62104	1.790817	1.047272	385.9622	58.64223	22.67573	0.188217	0.571776
88.68233	1.790942	1.047343	386.0611	58.64623	22.67732	0.18823	0.571992
88.74362	1.791067	1.047414	386.1599	58.65022	22.67891	0.188243	0.572208
88.8049	1.791192	1.047485	386.2585	58.65421	22.6805	0.188255	0.572423
88.86619	1.791317	1.047557	386.357	58.65819	22.68208	0.188268	0.572639
88.92748	1.791441	1.047628	386.4554	58.66217	22.68366	0.188281	0.572854
88.98876	1.791566	1.047699	386.5537	58.66614	22.68524	0.188294	0.573069
89.05005	1.79169	1.047769	386.6518	58.67011	22.68682	0.188307	0.573284
89.11134	1.791814	1.04784	386.7498	58.67408	22.6884	0.188319	0.573498
89.17263	1.791938	1.047911	386.8478	58.67803	22.68997	0.188332	0.573713

89.23391	1.792061	1.047981	386.9455	58.68199	22.69154	0.188345	0.573927
89.2952	1.792185	1.048052	387.0432	58.68594	22.69311	0.188357	0.574141
89.35649	1.792308	1.048122	387.1408	58.68988	22.69468	0.18837	0.574355
89.41777	1.792432	1.048192	387.2382	58.69382	22.69625	0.188383	0.574569
89.47906	1.792555	1.048263	387.3355	58.69775	22.69781	0.188395	0.574782
89.54035	1.792678	1.048333	387.4327	58.70168	22.69937	0.188408	0.574996
89.60163	1.792801	1.048403	387.5297	58.70561	22.70093	0.188421	0.575209
89.66292	1.792923	1.048473	387.6267	58.70953	22.70249	0.188433	0.575422
89.72421	1.793046	1.048543	387.7235	58.71344	22.70405	0.188446	0.575634
89.7855	1.793168	1.048613	387.8202	58.71735	22.7056	0.188458	0.575847
89.84678	1.79329	1.048682	387.9168	58.72125	22.70716	0.188471	0.576059
89.90807	1.793413	1.048752	388.0132	58.72515	22.70871	0.188483	0.576272
89.96936	1.793534	1.048821	388.1096	58.72905	22.71026	0.188496	0.576484
90.03064	1.793656	1.048891	388.2058	58.73294	22.7118	0.188508	0.576696
90.09193	1.793778	1.04896	388.3019	58.73683	22.71335	0.188521	0.576907
90.15322	1.793899	1.049029	388.3979	58.74071	22.71489	0.188533	0.577119
90.2145	1.794021	1.049099	388.4937	58.74458	22.71643	0.188546	0.57733
90.27579	1.794142	1.049168	388.5895	58.74845	22.71797	0.188558	0.577541
90.33708	1.794263	1.049237	388.6851	58.75232	22.71951	0.188571	0.577752
90.39837	1.794384	1.049306	388.7806	58.75618	22.72105	0.188583	0.577963
90.45965	1.794504	1.049374	388.876	58.76004	22.72258	0.188595	0.578173
90.52094	1.794625	1.049443	388.9713	58.76389	22.72411	0.188608	0.578384
90.58223	1.794745	1.049512	389.0664	58.76774	22.72564	0.18862	0.578594
90.64351	1.794866	1.04958	389.1615	58.77158	22.72717	0.188633	0.578804
90.7048	1.794986	1.049649	389.2564	58.77542	22.7287	0.188645	0.579014
90.76609	1.795106	1.049717	389.3512	58.77925	22.73022	0.188657	0.579224
90.82737	1.795226	1.049786	389.4458	58.78308	22.73174	0.18867	0.579433
90.88866	1.795345	1.049854	389.5404	58.7869	22.73326	0.188682	0.579642
90.94995	1.795465	1.049922	389.6349	58.79072	22.73478	0.188694	0.579851
91.01124	1.795584	1.04999	389.7292	58.79453	22.7363	0.188706	0.58006
91.07252	1.795703	1.050058	389.8234	58.79834	22.73781	0.188719	0.580269
91.13381	1.795822	1.050126	389.9175	58.80215	22.73933	0.188731	0.580478
91.1951	1.795941	1.050194	390.0115	58.80595	22.74084	0.188743	0.580686
91.25638	1.79606	1.050262	390.1053	58.80974	22.74235	0.188755	0.580894
91.31767	1.796179	1.050329	390.1991	58.81353	22.74385	0.188767	0.581102
91.37896	1.796297	1.050397	390.2927	58.81732	22.74536	0.18878	0.58131
91.44025	1.796416	1.050464	390.3862	58.8211	22.74686	0.188792	0.581518
91.50153	1.796534	1.050532	390.4796	58.82487	22.74836	0.188804	0.581725
91.56282	1.796652	1.050599	390.5729	58.82864	22.74986	0.188816	0.581932
91.62411	1.79677	1.050666	390.666	58.83241	22.75136	0.188828	0.58214
91.68539	1.796888	1.050734	390.7591	58.83617	22.75286	0.18884	0.582346
91.74668	1.797005	1.050801	390.852	58.83993	22.75435	0.188852	0.582553
91.80797	1.797123	1.050868	390.9448	58.84368	22.75585	0.188864	0.58276
91.86925	1.79724	1.050934	391.0375	58.84743	22.75734	0.188876	0.582966
91.93054	1.797357	1.051001	391.1301	58.85118	22.75882	0.188888	0.583172
91.99183	1.797474	1.051068	391.2226	58.85491	22.76031	0.1889	0.583378
92.05312	1.797591	1.051135	391.315	58.85865	22.7618	0.188912	0.583584

92.1144	1.797708	1.051201	391.4072	58.86238	22.76328	0.188924	0.58379
92.17569	1.797825	1.051268	391.4993	58.8661	22.76476	0.188936	0.583995
92.23698	1.797941	1.051334	391.5913	58.86982	22.76624	0.188948	0.584201
92.29826	1.798057	1.0514	391.6832	58.87354	22.76772	0.18896	0.584406
92.35955	1.798173	1.051467	391.775	58.87725	22.76919	0.188972	0.584611
92.42084	1.798289	1.051533	391.8667	58.88096	22.77067	0.188984	0.584816
92.48212	1.798405	1.051599	391.9582	58.88466	22.77214	0.188996	0.58502
92.54341	1.798521	1.051665	392.0497	58.88836	22.77361	0.189008	0.585225
92.6047	1.798637	1.051731	392.141	58.89205	22.77508	0.18902	0.585429
92.66599	1.798752	1.051797	392.2322	58.89574	22.77655	0.189031	0.585633
92.72727	1.798867	1.051862	392.3233	58.89942	22.77801	0.189043	0.585837
92.78856	1.798983	1.051928	392.4143	58.9031	22.77948	0.189055	0.58604
92.84985	1.799098	1.051994	392.5052	58.90677	22.78094	0.189067	0.586244
92.91113	1.799213	1.052059	392.596	58.91044	22.7824	0.189079	0.586447
92.97242	1.799327	1.052125	392.6866	58.91411	22.78385	0.189091	0.58665
93.03371	1.799442	1.05219	392.7771	58.91777	22.78531	0.189102	0.586853
93.09499	1.799556	1.052255	392.8676	58.92143	22.78676	0.189114	0.587056
93.15628	1.799671	1.05232	392.9579	58.92508	22.78822	0.189126	0.587259
93.21757	1.799785	1.052386	393.0481	58.92873	22.78967	0.189137	0.587461
93.27886	1.799899	1.052451	393.1382	58.93237	22.79112	0.189149	0.587664
93.34014	1.800013	1.052516	393.2282	58.93601	22.79256	0.189161	0.587866
93.40143	1.800127	1.05258	393.318	58.93964	22.79401	0.189173	0.588068
93.46272	1.80024	1.052645	393.4078	58.94327	22.79545	0.189184	0.588269
93.524	1.800354	1.05271	393.4974	58.94689	22.79689	0.189196	0.588471
93.58529	1.800467	1.052774	393.5869	58.95051	22.79833	0.189207	0.588672
93.64658	1.80058	1.052839	393.6764	58.95413	22.79977	0.189219	0.588874
93.70787	1.800693	1.052903	393.7657	58.95774	22.80121	0.189231	0.589075
93.76915	1.800806	1.052968	393.8549	58.96135	22.80264	0.189242	0.589275
93.83044	1.800919	1.053032	393.944	58.96495	22.80408	0.189254	0.589476
93.89173	1.801031	1.053096	394.0329	58.96855	22.80551	0.189265	0.589677
93.95301	1.801144	1.053161	394.1218	58.97214	22.80694	0.189277	0.589877
94.0143	1.801256	1.053225	394.2105	58.97573	22.80836	0.189288	0.590077
94.07559	1.801369	1.053289	394.2992	58.97931	22.80979	0.1893	0.590277
94.13687	1.801481	1.053352	394.3877	58.98289	22.81121	0.189312	0.590477
94.19816	1.801593	1.053416	394.4761	58.98647	22.81263	0.189323	0.590677
94.25945	1.801704	1.05348	394.5645	58.99004	22.81406	0.189334	0.590876
94.32074	1.801816	1.053544	394.6527	58.99361	22.81547	0.189346	0.591075
94.38202	1.801928	1.053607	394.7408	58.99717	22.81689	0.189357	0.591274
94.44331	1.802039	1.053671	394.8287	59.00073	22.81831	0.189369	0.591473
94.5046	1.80215	1.053734	394.9166	59.00428	22.81972	0.18938	0.591672
94.56588	1.802261	1.053798	395.0044	59.00783	22.82113	0.189392	0.591871
94.62717	1.802372	1.053861	395.092	59.01137	22.82254	0.189403	0.592069
94.68846	1.802483	1.053924	395.1796	59.01491	22.82395	0.189414	0.592267
94.74974	1.802594	1.053987	395.267	59.01845	22.82536	0.189426	0.592465
94.81103	1.802704	1.05405	395.3544	59.02198	22.82676	0.189437	0.592663
94.87232	1.802815	1.054113	395.4416	59.02551	22.82816	0.189448	0.592861
94.93361	1.802925	1.054176	395.5287	59.02903	22.82956	0.18946	0.593059

94.99489	1.803035	1.054239	395.6157	59.03255	22.83096	0.189471	0.593256
95.05618	1.803145	1.054302	395.7026	59.03606	22.83236	0.189482	0.593453
95.11747	1.803255	1.054364	395.7894	59.03957	22.83376	0.189494	0.59365
95.17875	1.803365	1.054427	395.8761	59.04308	22.83515	0.189505	0.593847
95.24004	1.803474	1.054489	395.9626	59.04658	22.83654	0.189516	0.594044
95.30133	1.803584	1.054552	396.0491	59.05007	22.83793	0.189527	0.59424
95.36261	1.803693	1.054614	396.1355	59.05357	22.83932	0.189539	0.594437
95.4239	1.803802	1.054676	396.2217	59.05705	22.84071	0.18955	0.594633
95.48519	1.803911	1.054738	396.3078	59.06054	22.8421	0.189561	0.594829
95.54648	1.80402	1.0548	396.3939	59.06402	22.84348	0.189572	0.595024
95.60776	1.804129	1.054863	396.4798	59.06749	22.84486	0.189583	0.59522
95.66905	1.804238	1.054924	396.5657	59.07096	22.84624	0.189594	0.595416
95.73034	1.804346	1.054986	396.6514	59.07443	22.84762	0.189606	0.595611
95.79162	1.804455	1.055048	396.737	59.07789	22.849	0.189617	0.595806
95.85291	1.804563	1.05511	396.8225	59.08135	22.85037	0.189628	0.596001
95.9142	1.804671	1.055172	396.9079	59.0848	22.85175	0.189639	0.596196
95.97549	1.804779	1.055233	396.9932	59.08825	22.85312	0.18965	0.59639
96.03677	1.804887	1.055295	397.0784	59.0917	22.85449	0.189661	0.596585
96.09806	1.804995	1.055356	397.1635	59.09514	22.85586	0.189672	0.596779
96.15935	1.805102	1.055417	397.2485	59.09857	22.85723	0.189683	0.596973
96.22063	1.80521	1.055479	397.3333	59.102	22.85859	0.189694	0.597167
96.28192	1.805317	1.05554	397.4181	59.10543	22.85996	0.189705	0.597361
96.34321	1.805424	1.055601	397.5028	59.10886	22.86132	0.189716	0.597554
96.40449	1.805531	1.055662	397.5873	59.11228	22.86268	0.189727	0.597748
96.46578	1.805638	1.055723	397.6718	59.11569	22.86404	0.189738	0.597941
96.52707	1.805745	1.055784	397.7562	59.1191	22.86539	0.189749	0.598134
96.58836	1.805852	1.055845	397.8404	59.12251	22.86675	0.18976	0.598327
96.64964	1.805958	1.055905	397.9245	59.12591	22.8681	0.189771	0.59852
96.71093	1.806065	1.055966	398.0086	59.12931	22.86945	0.189782	0.598712
96.77222	1.806171	1.056027	398.0925	59.1327	22.8708	0.189793	0.598905
96.8335	1.806277	1.056087	398.1763	59.13609	22.87215	0.189804	0.599097
96.89479	1.806383	1.056148	398.2601	59.13948	22.8735	0.189815	0.599289
96.95608	1.806489	1.056208	398.3437	59.14286	22.87484	0.189825	0.599481
97.01736	1.806595	1.056268	398.4272	59.14624	22.87619	0.189836	0.599673
97.07865	1.8067	1.056328	398.5106	59.14961	22.87753	0.189847	0.599864
97.13994	1.806806	1.056389	398.5939	59.15298	22.87887	0.189858	0.600056
97.20123	1.806911	1.056449	398.6771	59.15634	22.88021	0.189869	0.600247
97.26251	1.807016	1.056509	398.7602	59.15971	22.88154	0.18988	0.600438
97.3238	1.807121	1.056568	398.8432	59.16306	22.88288	0.18989	0.600629
97.38509	1.807226	1.056628	398.9261	59.16641	22.88421	0.189901	0.600819
97.44637	1.807331	1.056688	399.0089	59.16976	22.88555	0.189912	0.60101
97.50766	1.807436	1.056748	399.0916	59.17311	22.88688	0.189923	0.6012
97.56895	1.807541	1.056807	399.1742	59.17645	22.8882	0.189933	0.601391
97.63023	1.807645	1.056867	399.2567	59.17978	22.88953	0.189944	0.601581
97.69152	1.807749	1.056926	399.3391	59.18311	22.89086	0.189955	0.60177
97.75281	1.807853	1.056986	399.4214	59.18644	22.89218	0.189965	0.60196
97.8141	1.807957	1.057045	399.5035	59.18976	22.8935	0.189976	0.60215

97.87538	1.808061	1.057104	399.5856	59.19308	22.89482	0.189987	0.602339
97.93667	1.808165	1.057164	399.6676	59.1964	22.89614	0.189997	0.602528
97.99796	1.808269	1.057223	399.7495	59.19971	22.89746	0.190008	0.602717
98.05924	1.808372	1.057282	399.8312	59.20302	22.89877	0.190019	0.602906
98.12053	1.808476	1.057341	399.9129	59.20632	22.90009	0.190029	0.603095
98.18182	1.808579	1.057399	399.9945	59.20962	22.9014	0.19004	0.603283
98.24311	1.808682	1.057458	400.0759	59.21291	22.90271	0.190051	0.603472
98.30439	1.808785	1.057517	400.1573	59.2162	22.90402	0.190061	0.60366
98.36568	1.808888	1.057576	400.2386	59.21949	22.90533	0.190072	0.603848
98.42697	1.808991	1.057634	400.3197	59.22277	22.90663	0.190082	0.604036
98.48825	1.809094	1.057693	400.4008	59.22605	22.90794	0.190093	0.604223
98.54954	1.809196	1.057751	400.4818	59.22932	22.90924	0.190103	0.604411
98.61083	1.809299	1.05781	400.5626	59.23259	22.91054	0.190114	0.604598
98.67211	1.809401	1.057868	400.6434	59.23586	22.91184	0.190124	0.604786
98.7334	1.809503	1.057926	400.7241	59.23912	22.91314	0.190135	0.604973
98.79469	1.809605	1.057984	400.8046	59.24238	22.91443	0.190145	0.60516
98.85598	1.809707	1.058042	400.8851	59.24563	22.91573	0.190156	0.605346
98.91726	1.809809	1.0581	400.9654	59.24888	22.91702	0.190166	0.605533
98.97855	1.80991	1.058158	401.0457	59.25213	22.91831	0.190177	0.605719
99.03984	1.810012	1.058216	401.1259	59.25537	22.9196	0.190187	0.605905
99.10112	1.810113	1.058274	401.2059	59.25861	22.92089	0.190197	0.606091
99.16241	1.810214	1.058332	401.2859	59.26184	22.92218	0.190208	0.606277
99.2237	1.810316	1.058389	401.3658	59.26507	22.92346	0.190218	0.606463
99.28498	1.810417	1.058447	401.4455	59.2683	22.92475	0.190228	0.606649
99.34627	1.810517	1.058504	401.5252	59.27152	22.92603	0.190239	0.606834
99.40756	1.810618	1.058562	401.6048	59.27474	22.92731	0.190249	0.607019
99.46885	1.810719	1.058619	401.6842	59.27795	22.92859	0.19026	0.607204
99.53013	1.810819	1.058677	401.7636	59.28116	22.92986	0.19027	0.607389
99.59142	1.81092	1.058734	401.8429	59.28437	22.93114	0.19028	0.607574
99.65271	1.81102	1.058791	401.922	59.28757	22.93241	0.19029	0.607758
99.71399	1.81112	1.058848	402.0011	59.29077	22.93368	0.190301	0.607943
99.77528	1.81122	1.058905	402.0801	59.29396	22.93496	0.190311	0.608127
99.83657	1.81132	1.058962	402.159	59.29715	22.93622	0.190321	0.608311
99.89785	1.81142	1.059019	402.2377	59.30034	22.93749	0.190331	0.608495
99.95914	1.811519	1.059076	402.3164	59.30352	22.93876	0.190342	0.608679
100.0204	1.811619	1.059132	402.395	59.3067	22.94002	0.190352	0.608862
100.0817	1.811718	1.059189	402.4735	59.30987	22.94129	0.190362	0.609046
100.143	1.811818	1.059246	402.5519	59.31304	22.94255	0.190372	0.609229
100.2043	1.811917	1.059302	402.6302	59.31621	22.94381	0.190382	0.609412
100.2656	1.812016	1.059359	402.7084	59.31937	22.94506	0.190393	0.609595
100.3269	1.812115	1.059415	402.7865	59.32253	22.94632	0.190403	0.609778
100.3882	1.812213	1.059471	402.8645	59.32568	22.94758	0.190413	0.609961
100.4494	1.812312	1.059528	402.9424	59.32883	22.94883	0.190423	0.610143
100.5107	1.812411	1.059584	403.0202	59.33198	22.95008	0.190433	0.610325
100.572	1.812509	1.05964	403.0979	59.33512	22.95133	0.190443	0.610507
100.6333	1.812607	1.059696	403.1755	59.33826	22.95258	0.190453	0.610689
100.6946	1.812706	1.059752	403.253	59.3414	22.95383	0.190463	0.610871

100.7559	1.812804	1.059808	403.3304	59.34453	22.95507	0.190473	0.611053
100.8172	1.812902	1.059863	403.4078	59.34765	22.95632	0.190483	0.611234
100.8784	1.812999	1.059919	403.485	59.35078	22.95756	0.190493	0.611416
100.9397	1.813097	1.059975	403.5621	59.3539	22.9588	0.190504	0.611597
101.001	1.813195	1.060031	403.6391	59.35701	22.96004	0.190514	0.611778
101.0623	1.813292	1.060086	403.7161	59.36012	22.96128	0.190524	0.611959
101.1236	1.813389	1.060142	403.7929	59.36323	22.96252	0.190534	0.612139
101.1849	1.813487	1.060197	403.8697	59.36634	22.96375	0.190543	0.61232
101.2462	1.813584	1.060252	403.9463	59.36944	22.96498	0.190553	0.6125
101.3075	1.813681	1.060308	404.0229	59.37253	22.96622	0.190563	0.612681
101.3687	1.813777	1.060363	404.0994	59.37562	22.96745	0.190573	0.612861
101.43	1.813874	1.060418	404.1757	59.37871	22.96868	0.190583	0.61304
101.4913	1.813971	1.060473	404.252	59.3818	22.9699	0.190593	0.61322
101.5526	1.814067	1.060528	404.3282	59.38488	22.97113	0.190603	0.6134
101.6139	1.814164	1.060583	404.4043	59.38796	22.97235	0.190613	0.613579
101.6752	1.81426	1.060638	404.4802	59.39103	22.97358	0.190623	0.613758
101.7365	1.814356	1.060693	404.5561	59.3941	22.9748	0.190633	0.613937
101.7978	1.814452	1.060747	404.6319	59.39716	22.97602	0.190643	0.614116
101.859	1.814548	1.060802	404.7076	59.40023	22.97724	0.190652	0.614295
101.9203	1.814644	1.060856	404.7832	59.40328	22.97845	0.190662	0.614474
101.9816	1.814739	1.060911	404.8588	59.40634	22.97967	0.190672	0.614652
102.0429	1.814835	1.060965	404.9342	59.40939	22.98088	0.190682	0.614831
102.1042	1.81493	1.06102	405.0095	59.41243	22.98209	0.190692	0.615009
102.1655	1.815025	1.061074	405.0848	59.41548	22.9833	0.190701	0.615187
102.2268	1.815121	1.061128	405.1599	59.41852	22.98451	0.190711	0.615364
102.288	1.815216	1.061183	405.235	59.42155	22.98572	0.190721	0.615542
102.3493	1.815311	1.061237	405.3099	59.42458	22.98693	0.190731	0.61572
102.4106	1.815406	1.061291	405.3848	59.42761	22.98813	0.19074	0.615897
102.4719	1.8155	1.061345	405.4596	59.43064	22.98934	0.19075	0.616074
102.5332	1.815595	1.061399	405.5343	59.43366	22.99054	0.19076	0.616251
102.5945	1.815689	1.061453	405.6089	59.43668	22.99174	0.190769	0.616428
102.6558	1.815784	1.061506	405.6834	59.43969	22.99294	0.190779	0.616605
102.7171	1.815878	1.06156	405.7578	59.4427	22.99413	0.190789	0.616781
102.7783	1.815972	1.061614	405.8321	59.4457	22.99533	0.190798	0.616958
102.8396	1.816066	1.061667	405.9063	59.44871	22.99653	0.190808	0.617134
102.9009	1.81616	1.061721	405.9805	59.4517	22.99772	0.190818	0.61731
102.9622	1.816254	1.061774	406.0545	59.4547	22.99891	0.190827	0.617486
103.0235	1.816347	1.061828	406.1285	59.45769	23.0001	0.190837	0.617662
103.0848	1.816441	1.061881	406.2023	59.46068	23.00129	0.190847	0.617837
103.1461	1.816534	1.061934	406.2761	59.46366	23.00248	0.190856	0.618013
103.2074	1.816628	1.061987	406.3498	59.46664	23.00366	0.190866	0.618188
103.2686	1.816721	1.062041	406.4234	59.46962	23.00485	0.190875	0.618363
103.3299	1.816814	1.062094	406.4969	59.47259	23.00603	0.190885	0.618538
103.3912	1.816907	1.062147	406.5703	59.47556	23.00721	0.190894	0.618713
103.4525	1.817	1.0622	406.6436	59.47852	23.00839	0.190904	0.618888
103.5138	1.817093	1.062252	406.7168	59.48149	23.00957	0.190913	0.619062
103.5751	1.817185	1.062305	406.7899	59.48444	23.01075	0.190923	0.619237

103.6364	1.817278	1.062358	406.863	59.4874	23.01192	0.190932	0.619411
103.6977	1.81737	1.062411	406.9359	59.49035	23.01309	0.190942	0.619585
103.7589	1.817463	1.062463	407.0088	59.4933	23.01427	0.190951	0.619759
103.8202	1.817555	1.062516	407.0816	59.49624	23.01544	0.190961	0.619933
103.8815	1.817647	1.062568	407.1542	59.49918	23.01661	0.19097	0.620106
103.9428	1.817739	1.062621	407.2268	59.50211	23.01778	0.19098	0.62028
104.0041	1.817831	1.062673	407.2993	59.50505	23.01894	0.190989	0.620453
104.0654	1.817922	1.062725	407.3717	59.50797	23.02011	0.190999	0.620626
104.1267	1.818014	1.062777	407.4441	59.5109	23.02127	0.191008	0.620799
104.1879	1.818105	1.06283	407.5163	59.51382	23.02244	0.191017	0.620972
104.2492	1.818197	1.062882	407.5884	59.51674	23.0236	0.191027	0.621145
104.3105	1.818288	1.062934	407.6605	59.51965	23.02476	0.191036	0.621317
104.3718	1.818379	1.062986	407.7325	59.52256	23.02591	0.191045	0.621489
104.4331	1.81847	1.063038	407.8043	59.52547	23.02707	0.191055	0.621662
104.4944	1.818561	1.063089	407.8761	59.52837	23.02823	0.191064	0.621834
104.5557	1.818652	1.063141	407.9478	59.53127	23.02938	0.191073	0.622006
104.617	1.818743	1.063193	408.0194	59.53417	23.03053	0.191083	0.622177
104.6782	1.818833	1.063245	408.0909	59.53706	23.03168	0.191092	0.622349
104.7395	1.818924	1.063296	408.1624	59.53995	23.03283	0.191101	0.62252
104.8008	1.819014	1.063348	408.2337	59.54284	23.03398	0.191111	0.622692
104.8621	1.819104	1.063399	408.305	59.54572	23.03513	0.19112	0.622863
104.9234	1.819195	1.06345	408.3761	59.5486	23.03627	0.191129	0.623034
104.9847	1.819285	1.063502	408.4472	59.55147	23.03742	0.191138	0.623205
105.046	1.819375	1.063553	408.5182	59.55434	23.03856	0.191148	0.623375
105.1073	1.819464	1.063604	408.5891	59.55721	23.0397	0.191157	0.623546
105.1685	1.819554	1.063655	408.6599	59.56008	23.04084	0.191166	0.623716
105.2298	1.819644	1.063706	408.7306	59.56294	23.04198	0.191175	0.623886
105.2911	1.819733	1.063757	408.8013	59.56579	23.04312	0.191184	0.624056
105.3524	1.819823	1.063808	408.8718	59.56865	23.04425	0.191194	0.624226
105.4137	1.819912	1.063859	408.9423	59.5715	23.04539	0.191203	0.624396
105.475	1.820001	1.06391	409.0127	59.57434	23.04652	0.191212	0.624566
105.5363	1.82009	1.063961	409.0829	59.57719	23.04765	0.191221	0.624735
105.5975	1.820179	1.064011	409.1531	59.58003	23.04878	0.19123	0.624904
105.6588	1.820268	1.064062	409.2233	59.58286	23.04991	0.191239	0.625074
105.7201	1.820356	1.064113	409.2933	59.5857	23.05104	0.191248	0.625243
105.7814	1.820445	1.064163	409.3632	59.58852	23.05216	0.191257	0.625411
105.8427	1.820534	1.064214	409.4331	59.59135	23.05329	0.191266	0.62558
105.904	1.820622	1.064264	409.5028	59.59417	23.05441	0.191276	0.625749
105.9653	1.82071	1.064314	409.5725	59.59699	23.05553	0.191285	0.625917
106.0266	1.820798	1.064364	409.6421	59.5998	23.05665	0.191294	0.626085
106.0878	1.820886	1.064415	409.7116	59.60262	23.05777	0.191303	0.626253
106.1491	1.820974	1.064465	409.7811	59.60542	23.05889	0.191312	0.626421
106.2104	1.821062	1.064515	409.8504	59.60823	23.06	0.191321	0.626589
106.2717	1.82115	1.064565	409.9196	59.61103	23.06112	0.19133	0.626757
106.333	1.821238	1.064615	409.9888	59.61383	23.06223	0.191339	0.626924
106.3943	1.821325	1.064665	410.0579	59.61662	23.06334	0.191348	0.627092
106.4556	1.821412	1.064714	410.1269	59.61941	23.06445	0.191357	0.627259

106.5169	1.8215	1.064764	410.1958	59.6222	23.06556	0.191366	0.627426
106.5781	1.821587	1.064814	410.2646	59.62498	23.06667	0.191375	0.627593
106.6394	1.821674	1.064864	410.3333	59.62776	23.06778	0.191383	0.62776
106.7007	1.821761	1.064913	410.402	59.63054	23.06888	0.191392	0.627926
106.762	1.821848	1.064963	410.4706	59.63331	23.06999	0.191401	0.628093
106.8233	1.821935	1.065012	410.539	59.63608	23.07109	0.19141	0.628259
106.8846	1.822021	1.065061	410.6074	59.63885	23.07219	0.191419	0.628425
106.9459	1.822108	1.065111	410.6758	59.64161	23.07329	0.191428	0.628591
107.0072	1.822194	1.06516	410.744	59.64437	23.07439	0.191437	0.628757
107.0684	1.822281	1.065209	410.8121	59.64713	23.07548	0.191446	0.628923
107.1297	1.822367	1.065258	410.8802	59.64988	23.07658	0.191455	0.629088
107.191	1.822453	1.065307	410.9482	59.65263	23.07767	0.191463	0.629254
107.2523	1.822539	1.065356	411.0161	59.65538	23.07877	0.191472	0.629419
107.3136	1.822625	1.065405	411.0839	59.65812	23.07986	0.191481	0.629584
107.3749	1.822711	1.065454	411.1516	59.66086	23.08095	0.19149	0.629749
107.4362	1.822796	1.065503	411.2192	59.6636	23.08204	0.191499	0.629914
107.4974	1.822882	1.065552	411.2868	59.66633	23.08312	0.191507	0.630079
107.5587	1.822967	1.065601	411.3542	59.66906	23.08421	0.191516	0.630243
107.62	1.823053	1.065649	411.4216	59.67178	23.0853	0.191525	0.630407
107.6813	1.823138	1.065698	411.4889	59.67451	23.08638	0.191534	0.630572
107.7426	1.823223	1.065746	411.5561	59.67722	23.08746	0.191542	0.630736
107.8039	1.823308	1.065795	411.6233	59.67994	23.08854	0.191551	0.6309
107.8652	1.823393	1.065843	411.6903	59.68265	23.08962	0.19156	0.631064
107.9265	1.823478	1.065892	411.7573	59.68536	23.0907	0.191568	0.631227
107.9877	1.823563	1.06594	411.8242	59.68807	23.09178	0.191577	0.631391
108.049	1.823648	1.065988	411.891	59.69077	23.09285	0.191586	0.631554
108.1103	1.823732	1.066036	411.9577	59.69347	23.09393	0.191595	0.631717
108.1716	1.823817	1.066085	412.0244	59.69616	23.095	0.191603	0.63188
108.2329	1.823901	1.066133	412.0909	59.69886	23.09607	0.191612	0.632043
108.2942	1.823985	1.066181	412.1574	59.70154	23.09714	0.19162	0.632206
108.3555	1.824069	1.066228	412.2238	59.70423	23.09821	0.191629	0.632369
108.4168	1.824153	1.066276	412.2901	59.70691	23.09928	0.191638	0.632531
108.478	1.824237	1.066324	412.3563	59.70959	23.10034	0.191646	0.632693
108.5393	1.824321	1.066372	412.4225	59.71227	23.10141	0.191655	0.632856
108.6006	1.824405	1.06642	412.4885	59.71494	23.10247	0.191664	0.633018
108.6619	1.824488	1.066467	412.5545	59.71761	23.10353	0.191672	0.633179
108.7232	1.824572	1.066515	412.6204	59.72027	23.10459	0.191681	0.633341
108.7845	1.824655	1.066562	412.6862	59.72294	23.10565	0.191689	0.633503
108.8458	1.824738	1.06661	412.7519	59.72559	23.10671	0.191698	0.633664
108.907	1.824822	1.066657	412.8176	59.72825	23.10777	0.191706	0.633826
108.9683	1.824905	1.066705	412.8832	59.7309	23.10882	0.191715	0.633987
109.0296	1.824988	1.066752	412.9487	59.73355	23.10988	0.191723	0.634148
109.0909	1.825071	1.066799	413.0141	59.7362	23.11093	0.191732	0.634309
109.1522	1.825153	1.066846	413.0794	59.73884	23.11198	0.19174	0.634469
109.2135	1.825236	1.066893	413.1446	59.74148	23.11303	0.191749	0.63463
109.2748	1.825319	1.06694	413.2098	59.74412	23.11408	0.191757	0.63479
109.3361	1.825401	1.066987	413.2749	59.74675	23.11513	0.191766	0.634951

109.3973	1.825483	1.067034	413.3399	59.74938	23.11618	0.191774	0.635111
109.4586	1.825566	1.067081	413.4048	59.752	23.11722	0.191783	0.635271
109.5199	1.825648	1.067128	413.4697	59.75463	23.11827	0.191791	0.635431
109.5812	1.82573	1.067175	413.5344	59.75725	23.11931	0.191799	0.63559
109.6425	1.825812	1.067222	413.5991	59.75986	23.12035	0.191808	0.63575
109.7038	1.825894	1.067268	413.6637	59.76248	23.12139	0.191816	0.635909
109.7651	1.825975	1.067315	413.7282	59.76509	23.12243	0.191825	0.636069
109.8264	1.826057	1.067361	413.7927	59.76769	23.12347	0.191833	0.636228
109.8876	1.826139	1.067408	413.857	59.7703	23.1245	0.191841	0.636387
109.9489	1.82622	1.067454	413.9213	59.7729	23.12554	0.19185	0.636546
110.0102	1.826301	1.067501	413.9855	59.77549	23.12657	0.191858	0.636704
110.0715	1.826383	1.067547	414.0496	59.77809	23.1276	0.191866	0.636863
110.1328	1.826464	1.067593	414.1137	59.78068	23.12863	0.191875	0.637021
110.1941	1.826545	1.067639	414.1776	59.78327	23.12966	0.191883	0.63718
110.2554	1.826626	1.067685	414.2415	59.78585	23.13069	0.191891	0.637338
110.3166	1.826707	1.067732	414.3053	59.78843	23.13172	0.1919	0.637496
110.3779	1.826787	1.067778	414.3691	59.79101	23.13275	0.191908	0.637654
110.4392	1.826868	1.067823	414.4327	59.79358	23.13377	0.191916	0.637812
110.5005	1.826949	1.067869	414.4963	59.79615	23.13479	0.191924	0.637969
110.5618	1.827029	1.067915	414.5597	59.79872	23.13582	0.191933	0.638127
110.6231	1.827109	1.067961	414.6232	59.80129	23.13684	0.191941	0.638284
110.6844	1.82719	1.068007	414.6865	59.80385	23.13786	0.191949	0.638441
110.7457	1.82727	1.068052	414.7497	59.80641	23.13888	0.191957	0.638598
110.8069	1.82735	1.068098	414.8129	59.80896	23.13989	0.191966	0.638755
110.8682	1.82743	1.068144	414.876	59.81152	23.14091	0.191974	0.638912
110.9295	1.82751	1.068189	414.939	59.81406	23.14192	0.191982	0.639068
110.9908	1.827589	1.068235	415.0019	59.81661	23.14294	0.19199	0.639225
111.0521	1.827669	1.06828	415.0648	59.81915	23.14395	0.191998	0.639381
111.1134	1.827749	1.068325	415.1276	59.82169	23.14496	0.192007	0.639537
111.1747	1.827828	1.068371	415.1903	59.82423	23.14597	0.192015	0.639693
111.236	1.827907	1.068416	415.2529	59.82676	23.14698	0.192023	0.639849
111.2972	1.827987	1.068461	415.3155	59.82929	23.14798	0.192031	0.640005
111.3585	1.828066	1.068506	415.3779	59.83182	23.14899	0.192039	0.64016
111.4198	1.828145	1.068551	415.4403	59.83434	23.14999	0.192047	0.640316
111.4811	1.828224	1.068596	415.5026	59.83686	23.151	0.192055	0.640471
111.5424	1.828303	1.068641	415.5649	59.83938	23.152	0.192063	0.640626
111.6037	1.828382	1.068686	415.627	59.8419	23.153	0.192071	0.640781
111.665	1.82846	1.068731	415.6891	59.84441	23.154	0.19208	0.640936
111.7263	1.828539	1.068776	415.7511	59.84692	23.155	0.192088	0.641091
111.7875	1.828617	1.06882	415.813	59.84942	23.156	0.192096	0.641246
111.8488	1.828696	1.068865	415.8749	59.85192	23.15699	0.192104	0.6414
111.9101	1.828774	1.068909	415.9366	59.85442	23.15799	0.192112	0.641555
111.9714	1.828852	1.068954	415.9983	59.85692	23.15898	0.19212	0.641709
112.0327	1.82893	1.068999	416.06	59.85941	23.15997	0.192128	0.641863
112.094	1.829008	1.069043	416.1215	59.8619	23.16096	0.192136	0.642017
112.1553	1.829086	1.069087	416.183	59.86439	23.16195	0.192144	0.642171
112.2165	1.829164	1.069132	416.2443	59.86687	23.16294	0.192152	0.642324

112.2778	1.829242	1.069176	416.3056	59.86935	23.16393	0.19216	0.642478
112.3391	1.829319	1.06922	416.3669	59.87183	23.16491	0.192168	0.642631
112.4004	1.829397	1.069264	416.428	59.8743	23.1659	0.192176	0.642784
112.4617	1.829474	1.069308	416.4891	59.87677	23.16688	0.192183	0.642937
112.523	1.829551	1.069352	416.5501	59.87924	23.16786	0.192191	0.64309
112.5843	1.829629	1.069396	416.6111	59.8817	23.16885	0.192199	0.643243
112.6456	1.829706	1.06944	416.6719	59.88417	23.16983	0.192207	0.643396
112.7068	1.829783	1.069484	416.7327	59.88662	23.1708	0.192215	0.643548
112.7681	1.82986	1.069528	416.7934	59.88908	23.17178	0.192223	0.643701
112.8294	1.829937	1.069572	416.854	59.89153	23.17276	0.192231	0.643853
112.8907	1.830013	1.069616	416.9146	59.89398	23.17373	0.192239	0.644005
112.952	1.83009	1.069659	416.975	59.89643	23.17471	0.192247	0.644157
113.0133	1.830166	1.069703	417.0354	59.89887	23.17568	0.192254	0.644309
113.0746	1.830243	1.069747	417.0958	59.90131	23.17665	0.192262	0.644461
113.1359	1.830319	1.06979	417.156	59.90375	23.17762	0.19227	0.644612
113.1971	1.830396	1.069833	417.2162	59.90618	23.17859	0.192278	0.644764
113.2584	1.830472	1.069877	417.2763	59.90861	23.17956	0.192286	0.644915
113.3197	1.830548	1.06992	417.3363	59.91104	23.18052	0.192294	0.645066
113.381	1.830624	1.069963	417.3962	59.91347	23.18149	0.192301	0.645217
113.4423	1.8307	1.070007	417.4561	59.91589	23.18245	0.192309	0.645368
113.5036	1.830775	1.07005	417.5159	59.91831	23.18342	0.192317	0.645519
113.5649	1.830851	1.070093	417.5756	59.92072	23.18438	0.192325	0.64567
113.6261	1.830927	1.070136	417.6353	59.92314	23.18534	0.192332	0.64582
113.6874	1.831002	1.070179	417.6948	59.92555	23.1863	0.19234	0.645971
113.7487	1.831078	1.070222	417.7543	59.92795	23.18726	0.192348	0.646121
113.81	1.831153	1.070265	417.8138	59.93036	23.18821	0.192356	0.646271
113.8713	1.831228	1.070308	417.8731	59.93276	23.18917	0.192363	0.646421
113.9326	1.831303	1.070351	417.9324	59.93516	23.19012	0.192371	0.646571
113.9939	1.831378	1.070393	417.9916	59.93755	23.19108	0.192379	0.64672
114.0552	1.831453	1.070436	418.0507	59.93994	23.19203	0.192386	0.64687
114.1164	1.831528	1.070479	418.1098	59.94233	23.19298	0.192394	0.647019
114.1777	1.831603	1.070521	418.1688	59.94472	23.19393	0.192402	0.647169
114.239	1.831677	1.070564	418.2277	59.9471	23.19488	0.192409	0.647318
114.3003	1.831752	1.070606	418.2865	59.94948	23.19583	0.192417	0.647467
114.3616	1.831827	1.070649	418.3453	59.95186	23.19677	0.192425	0.647616
114.4229	1.831901	1.070691	418.404	59.95424	23.19772	0.192432	0.647764
114.4842	1.831975	1.070734	418.4627	59.95661	23.19866	0.19244	0.647913
114.5455	1.83205	1.070776	418.5212	59.95898	23.19961	0.192448	0.648061
114.6067	1.832124	1.070818	418.5797	59.96135	23.20055	0.192455	0.64821
114.668	1.832198	1.07086	418.6382	59.96371	23.20149	0.192463	0.648358
114.7293	1.832272	1.070903	418.6965	59.96607	23.20243	0.19247	0.648506
114.7906	1.832346	1.070945	418.7548	59.96843	23.20337	0.192478	0.648654
114.8519	1.832419	1.070987	418.8131	59.97079	23.20431	0.192486	0.648802
114.9132	1.832493	1.071029	418.8712	59.97314	23.20524	0.192493	0.648949
114.9745	1.832567	1.071071	418.9293	59.97549	23.20618	0.192501	0.649097
115.0358	1.83264	1.071112	418.9873	59.97783	23.20711	0.192508	0.649244
115.097	1.832714	1.071154	419.0452	59.98018	23.20804	0.192516	0.649391

115.1583	1.832787	1.071196	419.1031	59.98252	23.20898	0.192523	0.649539
115.2196	1.83286	1.071238	419.1609	59.98486	23.20991	0.192531	0.649686
115.2809	1.832933	1.07128	419.2186	59.98719	23.21084	0.192538	0.649832
115.3422	1.833007	1.071321	419.2762	59.98952	23.21176	0.192546	0.649979
115.4035	1.83308	1.071363	419.3338	59.99185	23.21269	0.192553	0.650126
115.4648	1.833152	1.071404	419.3913	59.99418	23.21362	0.192561	0.650272
115.526	1.833225	1.071446	419.4488	59.9965	23.21454	0.192568	0.650418
115.5873	1.833298	1.071487	419.5061	59.99882	23.21547	0.192576	0.650565
115.6486	1.833371	1.071529	419.5634	60.00114	23.21639	0.192583	0.650711
115.7099	1.833443	1.07157	419.6206	60.00346	23.21731	0.192591	0.650857
115.7712	1.833515	1.071611	419.6778	60.00577	23.21823	0.192598	0.651002
115.8325	1.833588	1.071652	419.7349	60.00808	23.21915	0.192605	0.651148
115.8938	1.83366	1.071694	419.7919	60.01038	23.22007	0.192613	0.651294
115.9551	1.833732	1.071735	419.8488	60.01269	23.22099	0.19262	0.651439
116.0163	1.833804	1.071776	419.9057	60.01499	23.2219	0.192628	0.651584
116.0776	1.833876	1.071817	419.9625	60.01729	23.22282	0.192635	0.651729
116.1389	1.833948	1.071858	420.0192	60.01958	23.22373	0.192642	0.651874
116.2002	1.83402	1.071899	420.0759	60.02187	23.22464	0.19265	0.652019
116.2615	1.834092	1.071939	420.1325	60.02416	23.22555	0.192657	0.652164
116.3228	1.834163	1.07198	420.189	60.02645	23.22646	0.192664	0.652309
116.3841	1.834235	1.072021	420.2454	60.02873	23.22737	0.192672	0.652453
116.4454	1.834306	1.072062	420.3018	60.03101	23.22828	0.192679	0.652597
116.5066	1.834378	1.072102	420.3581	60.03329	23.22919	0.192686	0.652742
116.5679	1.834449	1.072143	420.4143	60.03557	23.23009	0.192694	0.652886
116.6292	1.83452	1.072184	420.4705	60.03784	23.231	0.192701	0.65303
116.6905	1.834591	1.072224	420.5266	60.04011	23.2319	0.192708	0.653174
116.7518	1.834662	1.072265	420.5826	60.04238	23.2328	0.192716	0.653317
116.8131	1.834733	1.072305	420.6386	60.04464	23.23371	0.192723	0.653461
116.8744	1.834804	1.072345	420.6945	60.0469	23.23461	0.19273	0.653604
116.9356	1.834875	1.072386	420.7503	60.04916	23.2355	0.192737	0.653748
116.9969	1.834946	1.072426	420.8061	60.05142	23.2364	0.192745	0.653891
117.0582	1.835016	1.072466	420.8618	60.05367	23.2373	0.192752	0.654034
117.1195	1.835087	1.072506	420.9174	60.05592	23.2382	0.192759	0.654177
117.1808	1.835157	1.072546	420.9729	60.05817	23.23909	0.192766	0.654319
117.2421	1.835227	1.072587	421.0284	60.06041	23.23998	0.192774	0.654462
117.3034	1.835298	1.072627	421.0838	60.06265	23.24088	0.192781	0.654605
117.3647	1.835368	1.072667	421.1391	60.06489	23.24177	0.192788	0.654747
117.4259	1.835438	1.072706	421.1944	60.06713	23.24266	0.192795	0.654889
117.4872	1.835508	1.072746	421.2496	60.06936	23.24355	0.192802	0.655031
117.5485	1.835578	1.072786	421.3047	60.07159	23.24443	0.192809	0.655173
117.6098	1.835648	1.072826	421.3598	60.07382	23.24532	0.192817	0.655315
117.6711	1.835717	1.072866	421.4148	60.07604	23.24621	0.192824	0.655457
117.7324	1.835787	1.072905	421.4697	60.07827	23.24709	0.192831	0.655599
117.7937	1.835856	1.072945	421.5246	60.08049	23.24798	0.192838	0.65574
117.855	1.835926	1.072984	421.5794	60.0827	23.24886	0.192845	0.655881
117.9162	1.835995	1.073024	421.6341	60.08492	23.24974	0.192852	0.656023
117.9775	1.836065	1.073063	421.6888	60.08713	23.25062	0.192859	0.656164

118.0388	1.836134	1.073103	421.7434	60.08934	23.2515	0.192866	0.656305
118.1001	1.836203	1.073142	421.7979	60.09154	23.25238	0.192874	0.656446
118.1614	1.836272	1.073182	421.8524	60.09375	23.25325	0.192881	0.656586
118.2227	1.836341	1.073221	421.9067	60.09595	23.25413	0.192888	0.656727
118.284	1.83641	1.07326	421.9611	60.09814	23.25501	0.192895	0.656867
118.3453	1.836479	1.073299	422.0153	60.10034	23.25588	0.192902	0.657008
118.4065	1.836547	1.073338	422.0695	60.10253	23.25675	0.192909	0.657148
118.4678	1.836616	1.073378	422.1236	60.10472	23.25762	0.192916	0.657288
118.5291	1.836684	1.073417	422.1777	60.10691	23.25849	0.192923	0.657428
118.5904	1.836753	1.073456	422.2317	60.10909	23.25936	0.19293	0.657568
118.6517	1.836821	1.073494	422.2856	60.11127	23.26023	0.192937	0.657708
118.713	1.836889	1.073533	422.3394	60.11345	23.2611	0.192944	0.657847
118.7743	1.836958	1.073572	422.3932	60.11563	23.26197	0.192951	0.657987
118.8355	1.837026	1.073611	422.4469	60.1178	23.26283	0.192958	0.658126
118.8968	1.837094	1.07365	422.5006	60.11997	23.2637	0.192965	0.658265
118.9581	1.837162	1.073688	422.5542	60.12214	23.26456	0.192972	0.658404
119.0194	1.837229	1.073727	422.6077	60.12431	23.26542	0.192979	0.658543
119.0807	1.837297	1.073766	422.6611	60.12647	23.26628	0.192986	0.658682
119.142	1.837365	1.073804	422.7145	60.12863	23.26714	0.192993	0.65882
119.2033	1.837432	1.073843	422.7678	60.13079	23.268	0.193	0.658959
119.2646	1.8375	1.073881	422.8211	60.13294	23.26886	0.193007	0.659097
119.3258	1.837567	1.07392	422.8743	60.13509	23.26971	0.193013	0.659236
119.3871	1.837635	1.073958	422.9274	60.13724	23.27057	0.19302	0.659374
119.4484	1.837702	1.073996	422.9805	60.13939	23.27143	0.193027	0.659512
119.5097	1.837769	1.074035	423.0334	60.14153	23.27228	0.193034	0.65965
119.571	1.837836	1.074073	423.0864	60.14367	23.27313	0.193041	0.659788
119.6323	1.837903	1.074111	423.1392	60.14581	23.27398	0.193048	0.659925
119.6936	1.83797	1.074149	423.192	60.14795	23.27483	0.193055	0.660063
119.7549	1.838037	1.074187	423.2447	60.15008	23.27568	0.193062	0.6602
119.8161	1.838104	1.074225	423.2974	60.15221	23.27653	0.193068	0.660338
119.8774	1.83817	1.074263	423.35	60.15434	23.27738	0.193075	0.660475
119.9387	1.838237	1.074301	423.4025	60.15647	23.27822	0.193082	0.660612
120	1.838304	1.074339	423.455	60.15859	23.27907	0.193089	0.660749
120.0613	1.83837	1.074377	423.5074	60.16071	23.27991	0.193096	0.660886
120.1226	1.838436	1.074415	423.5597	60.16283	23.28076	0.193103	0.661022
120.1839	1.838503	1.074452	423.612	60.16494	23.2816	0.193109	0.661159
120.2451	1.838569	1.07449	423.6642	60.16705	23.28244	0.193116	0.661295
120.3064	1.838635	1.074528	423.7163	60.16916	23.28328	0.193123	0.661432
120.3677	1.838701	1.074565	423.7684	60.17127	23.28412	0.19313	0.661568
120.429	1.838767	1.074603	423.8204	60.17337	23.28496	0.193136	0.661704
120.4903	1.838833	1.074641	423.8724	60.17548	23.28579	0.193143	0.66184
120.5516	1.838899	1.074678	423.9243	60.17757	23.28663	0.19315	0.661976
120.6129	1.838964	1.074715	423.9761	60.17967	23.28746	0.193157	0.662111
120.6742	1.83903	1.074753	424.0278	60.18176	23.2883	0.193163	0.662247
120.7354	1.839095	1.07479	424.0795	60.18386	23.28913	0.19317	0.662382
120.7967	1.839161	1.074827	424.1311	60.18594	23.28996	0.193177	0.662517
120.858	1.839226	1.074865	424.1827	60.18803	23.29079	0.193184	0.662653

120.9193	1.839291	1.074902	424.2342	60.19011	23.29162	0.19319	0.662788
120.9806	1.839357	1.074939	424.2856	60.1922	23.29245	0.193197	0.662923
121.0419	1.839422	1.074976	424.337	60.19427	23.29328	0.193204	0.663057
121.1032	1.839487	1.075013	424.3883	60.19635	23.2941	0.19321	0.663192
121.1645	1.839552	1.07505	424.4395	60.19842	23.29493	0.193217	0.663327
121.2257	1.839617	1.075087	424.4907	60.20049	23.29575	0.193224	0.663461
121.287	1.839681	1.075124	424.5418	60.20256	23.29658	0.19323	0.663596
121.3483	1.839746	1.075161	424.5929	60.20463	23.2974	0.193237	0.66373
121.4096	1.839811	1.075198	424.6439	60.20669	23.29822	0.193243	0.663864
121.4709	1.839875	1.075235	424.6948	60.20875	23.29904	0.19325	0.663998
121.5322	1.83994	1.075271	424.7456	60.21081	23.29986	0.193257	0.664132
121.5935	1.840004	1.075308	424.7964	60.21286	23.30068	0.193263	0.664265
121.6547	1.840069	1.075345	424.8472	60.21492	23.3015	0.19327	0.664399
121.716	1.840133	1.075381	424.8978	60.21697	23.30231	0.193277	0.664532
121.7773	1.840197	1.075418	424.9484	60.21901	23.30313	0.193283	0.664666
121.8386	1.840261	1.075454	424.999	60.22106	23.30394	0.19329	0.664799
121.8999	1.840325	1.075491	425.0495	60.2231	23.30475	0.193296	0.664932
121.9612	1.840389	1.075527	425.0999	60.22514	23.30557	0.193303	0.665065
122.0225	1.840453	1.075563	425.1502	60.22718	23.30638	0.193309	0.665198
122.0838	1.840517	1.0756	425.2005	60.22921	23.30719	0.193316	0.665331
122.145	1.84058	1.075636	425.2507	60.23125	23.308	0.193322	0.665463
122.2063	1.840644	1.075672	425.3009	60.23328	23.30881	0.193329	0.665596
122.2676	1.840707	1.075708	425.351	60.2353	23.30961	0.193335	0.665728
122.3289	1.840771	1.075745	425.401	60.23733	23.31042	0.193342	0.66586
122.3902	1.840834	1.075781	425.451	60.23935	23.31122	0.193348	0.665992
122.4515	1.840898	1.075817	425.5009	60.24137	23.31203	0.193355	0.666124
122.5128	1.840961	1.075853	425.5508	60.24339	23.31283	0.193361	0.666256
122.5741	1.841024	1.075889	425.6006	60.2454	23.31363	0.193368	0.666388
122.6353	1.841087	1.075925	425.6503	60.24741	23.31443	0.193374	0.66652
122.6966	1.84115	1.075961	425.7	60.24942	23.31523	0.193381	0.666651
122.7579	1.841213	1.075996	425.7496	60.25143	23.31603	0.193387	0.666783
122.8192	1.841276	1.076032	425.7991	60.25343	23.31683	0.193394	0.666914
122.8805	1.841338	1.076068	425.8486	60.25544	23.31763	0.1934	0.667045
122.9418	1.841401	1.076104	425.898	60.25744	23.31842	0.193407	0.667176
123.0031	1.841464	1.076139	425.9474	60.25943	23.31922	0.193413	0.667307
123.0644	1.841526	1.076175	425.9967	60.26143	23.32001	0.193419	0.667438
123.1256	1.841589	1.07621	426.0459	60.26342	23.32081	0.193426	0.667569
123.1869	1.841651	1.076246	426.0951	60.26541	23.3216	0.193432	0.667699
123.2482	1.841713	1.076281	426.1442	60.2674	23.32239	0.193439	0.66783
123.3095	1.841775	1.076317	426.1932	60.26938	23.32318	0.193445	0.66796
123.3708	1.841837	1.076352	426.2422	60.27136	23.32397	0.193451	0.66809
123.4321	1.841899	1.076388	426.2911	60.27334	23.32476	0.193458	0.66822
123.4934	1.841961	1.076423	426.34	60.27532	23.32555	0.193464	0.66835
123.5546	1.842023	1.076458	426.3888	60.2773	23.32633	0.19347	0.66848
123.6159	1.842085	1.076493	426.4376	60.27927	23.32712	0.193477	0.66861
123.6772	1.842147	1.076528	426.4862	60.28124	23.3279	0.193483	0.668739
123.7385	1.842209	1.076564	426.5349	60.2832	23.32869	0.193489	0.668869

123.7998	1.84227	1.076599	426.5834	60.28517	23.32947	0.193496	0.668998
123.8611	1.842332	1.076634	426.6319	60.28713	23.33025	0.193502	0.669127
123.9224	1.842393	1.076669	426.6804	60.28909	23.33103	0.193508	0.669257
123.9837	1.842454	1.076704	426.7287	60.29105	23.33181	0.193515	0.669386
124.0449	1.842516	1.076739	426.7771	60.293	23.33259	0.193521	0.669515
124.1062	1.842577	1.076773	426.8253	60.29496	23.33336	0.193527	0.669643
124.1675	1.842638	1.076808	426.8735	60.29691	23.33414	0.193533	0.669772
124.2288	1.842699	1.076843	426.9216	60.29885	23.33492	0.19354	0.669901
124.2901	1.84276	1.076878	426.9697	60.3008	23.33569	0.193546	0.670029
124.3514	1.842821	1.076912	427.0177	60.30274	23.33646	0.193552	0.670157
124.4127	1.842882	1.076947	427.0657	60.30468	23.33724	0.193558	0.670285
124.474	1.842942	1.076982	427.1136	60.30662	23.33801	0.193565	0.670414
124.5352	1.843003	1.077016	427.1614	60.30856	23.33878	0.193571	0.670542
124.5965	1.843064	1.077051	427.2092	60.31049	23.33955	0.193577	0.670669
124.6578	1.843124	1.077085	427.2569	60.31242	23.34032	0.193583	0.670797
124.7191	1.843185	1.07712	427.3045	60.31435	23.34109	0.193589	0.670925
124.7804	1.843245	1.077154	427.3521	60.31627	23.34185	0.193596	0.671052
124.8417	1.843305	1.077188	427.3997	60.3182	23.34262	0.193602	0.67118
124.903	1.843365	1.077223	427.4471	60.32012	23.34338	0.193608	0.671307
124.9642	1.843425	1.077257	427.4946	60.32204	23.34415	0.193614	0.671434
125.0255	1.843486	1.077291	427.5419	60.32395	23.34491	0.19362	0.671561
125.0868	1.843545	1.077325	427.5892	60.32587	23.34567	0.193626	0.671688
125.1481	1.843605	1.077359	427.6364	60.32778	23.34643	0.193633	0.671815
125.2094	1.843665	1.077393	427.6836	60.32969	23.34719	0.193639	0.671941
125.2707	1.843725	1.077427	427.7307	60.33159	23.34795	0.193645	0.672068
125.332	1.843785	1.077461	427.7778	60.3335	23.34871	0.193651	0.672194
125.3933	1.843844	1.077495	427.8248	60.3354	23.34947	0.193657	0.672321
125.4545	1.843904	1.077529	427.8717	60.3373	23.35022	0.193663	0.672447
125.5158	1.843963	1.077563	427.9186	60.3392	23.35098	0.193669	0.672573
125.5771	1.844023	1.077597	427.9654	60.34109	23.35173	0.193675	0.672699
125.6384	1.844082	1.077631	428.0122	60.34298	23.35249	0.193681	0.672825
125.6997	1.844141	1.077664	428.0589	60.34487	23.35324	0.193687	0.672951
125.761	1.8442	1.077698	428.1055	60.34676	23.35399	0.193694	0.673076
125.8223	1.844259	1.077732	428.1521	60.34865	23.35474	0.1937	0.673202
125.8836	1.844318	1.077765	428.1986	60.35053	23.35549	0.193706	0.673327
125.9448	1.844377	1.077799	428.2451	60.35241	23.35624	0.193712	0.673452
126.0061	1.844436	1.077832	428.2915	60.35429	23.35699	0.193718	0.673578
126.0674	1.844495	1.077866	428.3379	60.35616	23.35774	0.193724	0.673703
126.1287	1.844554	1.077899	428.3842	60.35804	23.35848	0.19373	0.673828
126.19	1.844612	1.077933	428.4304	60.35991	23.35923	0.193736	0.673952
126.2513	1.844671	1.077966	428.4766	60.36177	23.35997	0.193742	0.674077
126.3126	1.844729	1.077999	428.5227	60.36364	23.36071	0.193748	0.674202
126.3739	1.844788	1.078033	428.5687	60.3655	23.36146	0.193754	0.674326
126.4351	1.844846	1.078066	428.6147	60.36737	23.3622	0.19376	0.67445
126.4964	1.844904	1.078099	428.6607	60.36923	23.36294	0.193766	0.674575
126.5577	1.844963	1.078132	428.7067	60.37109	23.36368	0.193772	0.674699
126.619	1.845021	1.078165	428.7525	60.37294	23.36442	0.193778	0.674823

126.6803	1.845079	1.078199	428.7984	60.3748	23.36516	0.193784	0.674947
126.7416	1.845137	1.078232	428.8441	60.37665	23.36589	0.19379	0.675071
126.8029	1.845195	1.078265	428.8898	60.3785	23.36663	0.193796	0.675194
126.8641	1.845253	1.078298	428.9355	60.38035	23.36737	0.193801	0.675318
126.9254	1.845311	1.078331	428.9811	60.38219	23.3681	0.193807	0.675441
126.9867	1.845368	1.078363	429.0266	60.38403	23.36883	0.193813	0.675565
127.048	1.845426	1.078396	429.0721	60.38587	23.36957	0.193819	0.675688
127.1093	1.845484	1.078429	429.1175	60.38771	23.3703	0.193825	0.675811
127.1706	1.845541	1.078462	429.1629	60.38955	23.37103	0.193831	0.675934
127.2319	1.845599	1.078495	429.2082	60.39138	23.37176	0.193837	0.676057
127.2932	1.845656	1.078527	429.2535	60.39321	23.37249	0.193843	0.67618
127.3544	1.845713	1.07856	429.2987	60.39504	23.37322	0.193849	0.676302
127.4157	1.845771	1.078593	429.3438	60.39687	23.37395	0.193855	0.676425
127.477	1.845828	1.078625	429.3889	60.39869	23.37467	0.19386	0.676547
127.5383	1.845885	1.078658	429.434	60.40052	23.3754	0.193866	0.67667
127.5996	1.845942	1.07869	429.4789	60.40234	23.37612	0.193872	0.676792
127.6609	1.845999	1.078723	429.5239	60.40415	23.37685	0.193878	0.676914
127.7222	1.846056	1.078755	429.5687	60.40597	23.37757	0.193884	0.677036
127.7835	1.846113	1.078787	429.6135	60.40778	23.37829	0.19389	0.677158
127.8447	1.846169	1.07882	429.6583	60.40959	23.37901	0.193895	0.67728
127.906	1.846226	1.078852	429.703	60.4114	23.37973	0.193901	0.677401
127.9673	1.846283	1.078884	429.7477	60.41321	23.38045	0.193907	0.677523
128.0286	1.846339	1.078916	429.7922	60.41501	23.38117	0.193913	0.677644
128.0899	1.846396	1.078949	429.8368	60.41682	23.38189	0.193919	0.677765
128.1512	1.846452	1.078981	429.8813	60.41862	23.38261	0.193924	0.677887
128.2125	1.846509	1.079013	429.9257	60.42041	23.38332	0.19393	0.678008
128.2737	1.846565	1.079045	429.97	60.42221	23.38404	0.193936	0.678129
128.335	1.846621	1.079077	430.0144	60.424	23.38475	0.193942	0.67825
128.3963	1.846677	1.079109	430.0586	60.42579	23.38546	0.193947	0.67837
128.4576	1.846733	1.079141	430.1028	60.42758	23.38618	0.193953	0.678491
128.5189	1.846789	1.079173	430.147	60.42937	23.38689	0.193959	0.678611
128.5802	1.846845	1.079205	430.1911	60.43115	23.3876	0.193965	0.678732
128.6415	1.846901	1.079236	430.2351	60.43294	23.38831	0.19397	0.678852
128.7028	1.846957	1.079268	430.2791	60.43472	23.38902	0.193976	0.678972
128.764	1.847012	1.0793	430.323	60.43649	23.38972	0.193982	0.679092
128.8253	1.847068	1.079332	430.3669	60.43827	23.39043	0.193988	0.679212
128.8866	1.847124	1.079363	430.4107	60.44004	23.39114	0.193993	0.679332
128.9479	1.847179	1.079395	430.4545	60.44181	23.39184	0.193999	0.679452
129.0092	1.847235	1.079426	430.4982	60.44358	23.39255	0.194005	0.679572
129.0705	1.84729	1.079458	430.5419	60.44535	23.39325	0.19401	0.679691
129.1318	1.847345	1.079489	430.5855	60.44711	23.39395	0.194016	0.679811
129.1931	1.8474	1.079521	430.629	60.44888	23.39466	0.194022	0.67993
129.2543	1.847456	1.079552	430.6725	60.45064	23.39536	0.194027	0.680049
129.3156	1.847511	1.079584	430.7159	60.45239	23.39606	0.194033	0.680168
129.3769	1.847566	1.079615	430.7593	60.45415	23.39676	0.194039	0.680287
129.4382	1.847621	1.079646	430.8027	60.4559	23.39745	0.194044	0.680406
129.4995	1.847676	1.079678	430.8459	60.45765	23.39815	0.19405	0.680525

129.5608	1.84773	1.079709	430.8892	60.4594	23.39885	0.194055	0.680644
129.6221	1.847785	1.07974	430.9323	60.46115	23.39954	0.194061	0.680762
129.6834	1.84784	1.079771	430.9755	60.4629	23.40024	0.194067	0.680881
129.7446	1.847895	1.079802	431.0185	60.46464	23.40093	0.194072	0.680999
129.8059	1.847949	1.079833	431.0615	60.46638	23.40163	0.194078	0.681117
129.8672	1.848004	1.079864	431.1045	60.46812	23.40232	0.194083	0.681235
129.9285	1.848058	1.079895	431.1474	60.46985	23.40301	0.194089	0.681353
129.9898	1.848112	1.079926	431.1902	60.47159	23.4037	0.194095	0.681471
130.0511	1.848167	1.079957	431.233	60.47332	23.40439	0.1941	0.681589
130.1124	1.848221	1.079988	431.2758	60.47505	23.40508	0.194106	0.681707
130.1736	1.848275	1.080019	431.3185	60.47678	23.40577	0.194111	0.681824
130.2349	1.848329	1.08005	431.3611	60.4785	23.40645	0.194117	0.681942
130.2962	1.848383	1.080081	431.4037	60.48023	23.40714	0.194122	0.682059
130.3575	1.848437	1.080111	431.4462	60.48195	23.40783	0.194128	0.682176
130.4188	1.848491	1.080142	431.4887	60.48367	23.40851	0.194133	0.682293
130.4801	1.848545	1.080173	431.5311	60.48538	23.40919	0.194139	0.68241
130.5414	1.848598	1.080203	431.5735	60.4871	23.40988	0.194144	0.682527
130.6027	1.848652	1.080234	431.6158	60.48881	23.41056	0.19415	0.682644
130.6639	1.848706	1.080264	431.6581	60.49052	23.41124	0.194155	0.682761
130.7252	1.848759	1.080295	431.7003	60.49223	23.41192	0.194161	0.682877
130.7865	1.848813	1.080325	431.7425	60.49394	23.4126	0.194166	0.682994
130.8478	1.848866	1.080356	431.7846	60.49564	23.41328	0.194172	0.68311
130.9091	1.848919	1.080386	431.8267	60.49734	23.41396	0.194177	0.683226
130.9704	1.848973	1.080416	431.8687	60.49904	23.41463	0.194183	0.683343
131.0317	1.849026	1.080447	431.9106	60.50074	23.41531	0.194188	0.683459
131.093	1.849079	1.080477	431.9525	60.50244	23.41598	0.194194	0.683575
131.1542	1.849132	1.080507	431.9944	60.50413	23.41666	0.194199	0.68369
131.2155	1.849185	1.080537	432.0362	60.50582	23.41733	0.194205	0.683806
131.2768	1.849238	1.080568	432.0779	60.50751	23.41801	0.19421	0.683922
131.3381	1.849291	1.080598	432.1196	60.5092	23.41868	0.194215	0.684037
131.3994	1.849344	1.080628	432.1613	60.51088	23.41935	0.194221	0.684153
131.4607	1.849397	1.080658	432.2028	60.51257	23.42002	0.194226	0.684268
131.522	1.849449	1.080688	432.2444	60.51425	23.42069	0.194232	0.684383
131.5832	1.849502	1.080718	432.2859	60.51593	23.42136	0.194237	0.684498
131.6445	1.849554	1.080748	432.3273	60.5176	23.42202	0.194242	0.684613
131.7058	1.849607	1.080778	432.3687	60.51928	23.42269	0.194248	0.684728
131.7671	1.849659	1.080808	432.41	60.52095	23.42336	0.194253	0.684843
131.8284	1.849712	1.080837	432.4513	60.52262	23.42402	0.194259	0.684958
131.8897	1.849764	1.080867	432.4925	60.52429	23.42469	0.194264	0.685072
131.951	1.849816	1.080897	432.5337	60.52596	23.42535	0.194269	0.685187
132.0123	1.849868	1.080927	432.5748	60.52762	23.42601	0.194275	0.685301
132.0735	1.849921	1.080956	432.6159	60.52928	23.42668	0.19428	0.685415
132.1348	1.849973	1.080986	432.6569	60.53094	23.42734	0.194285	0.685529
132.1961	1.850025	1.081016	432.6979	60.5326	23.428	0.194291	0.685643
132.2574	1.850076	1.081045	432.7388	60.53426	23.42866	0.194296	0.685757
132.3187	1.850128	1.081075	432.7797	60.53591	23.42932	0.194301	0.685871
132.38	1.85018	1.081104	432.8205	60.53756	23.42997	0.194307	0.685985

132.4413	1.850232	1.081134	432.8613	60.53921	23.43063	0.194312	0.686098
132.5026	1.850283	1.081163	432.902	60.54086	23.43129	0.194317	0.686212
132.5638	1.850335	1.081192	432.9427	60.54251	23.43194	0.194322	0.686325
132.6251	1.850387	1.081222	432.9833	60.54415	23.4326	0.194328	0.686439
132.6864	1.850438	1.081251	433.0238	60.54579	23.43325	0.194333	0.686552
132.7477	1.850489	1.08128	433.0644	60.54743	23.4339	0.194338	0.686665
132.809	1.850541	1.081309	433.1048	60.54907	23.43456	0.194344	0.686778
132.8703	1.850592	1.081339	433.1452	60.5507	23.43521	0.194349	0.686891
132.9316	1.850643	1.081368	433.1856	60.55234	23.43586	0.194354	0.687003
132.9928	1.850694	1.081397	433.2259	60.55397	23.43651	0.194359	0.687116
133.0541	1.850745	1.081426	433.2662	60.5556	23.43716	0.194365	0.687229
133.1154	1.850796	1.081455	433.3064	60.55723	23.4378	0.19437	0.687341
133.1767	1.850847	1.081484	433.3466	60.55885	23.43845	0.194375	0.687453
133.238	1.850898	1.081513	433.3867	60.56047	23.4391	0.19438	0.687566
133.2993	1.850949	1.081542	433.4267	60.5621	23.43974	0.194385	0.687678
133.3606	1.851	1.081571	433.4667	60.56372	23.44039	0.194391	0.68779
133.4219	1.85105	1.0816	433.5067	60.56533	23.44103	0.194396	0.687902
133.4831	1.851101	1.081629	433.5466	60.56695	23.44168	0.194401	0.688014
133.5444	1.851152	1.081657	433.5865	60.56856	23.44232	0.194406	0.688125
133.6057	1.851202	1.081686	433.6263	60.57017	23.44296	0.194411	0.688237
133.667	1.851253	1.081715	433.6661	60.57178	23.4436	0.194417	0.688349
133.7283	1.851303	1.081744	433.7058	60.57339	23.44424	0.194422	0.68846
133.7896	1.851353	1.081772	433.7454	60.57499	23.44488	0.194427	0.688571
133.8509	1.851404	1.081801	433.7851	60.5766	23.44552	0.194432	0.688682
133.9122	1.851454	1.081829	433.8246	60.5782	23.44616	0.194437	0.688794
133.9734	1.851504	1.081858	433.8641	60.5798	23.44679	0.194442	0.688905
134.0347	1.851554	1.081887	433.9036	60.5814	23.44743	0.194447	0.689015
134.096	1.851604	1.081915	433.943	60.58299	23.44806	0.194453	0.689126
134.1573	1.851654	1.081943	433.9824	60.58458	23.4487	0.194458	0.689237
134.2186	1.851704	1.081972	434.0217	60.58617	23.44933	0.194463	0.689348
134.2799	1.851754	1.082	434.061	60.58776	23.44997	0.194468	0.689458
134.3412	1.851803	1.082029	434.1002	60.58935	23.4506	0.194473	0.689568
134.4025	1.851853	1.082057	434.1394	60.59094	23.45123	0.194478	0.689679
134.4637	1.851903	1.082085	434.1785	60.59252	23.45186	0.194483	0.689789
134.525	1.851952	1.082113	434.2176	60.5941	23.45249	0.194488	0.689899
134.5863	1.852002	1.082142	434.2566	60.59568	23.45312	0.194493	0.690009
134.6476	1.852051	1.08217	434.2956	60.59726	23.45375	0.194498	0.690119
134.7089	1.8521	1.082198	434.3345	60.59883	23.45437	0.194503	0.690229
134.7702	1.85215	1.082226	434.3734	60.60041	23.455	0.194508	0.690338
134.8315	1.852199	1.082254	434.4122	60.60198	23.45563	0.194514	0.690448
134.8927	1.852248	1.082282	434.451	60.60355	23.45625	0.194519	0.690557
134.954	1.852297	1.08231	434.4897	60.60512	23.45688	0.194524	0.690667
135.0153	1.852346	1.082338	434.5284	60.60668	23.4575	0.194529	0.690776
135.0766	1.852395	1.082366	434.567	60.60824	23.45812	0.194534	0.690885
135.1379	1.852444	1.082394	434.6056	60.60981	23.45874	0.194539	0.690994
135.1992	1.852493	1.082422	434.6442	60.61137	23.45937	0.194544	0.691103
135.2605	1.852542	1.082449	434.6827	60.61292	23.45999	0.194549	0.691212

135.3218	1.852591	1.082477	434.7211	60.61448	23.46061	0.194554	0.691321
135.383	1.85264	1.082505	434.7595	60.61603	23.46122	0.194559	0.691429
135.4443	1.852688	1.082533	434.7978	60.61759	23.46184	0.194564	0.691538
135.5056	1.852737	1.08256	434.8361	60.61914	23.46246	0.194569	0.691646
135.5669	1.852785	1.082588	434.8744	60.62068	23.46308	0.194574	0.691755
135.6282	1.852834	1.082615	434.9126	60.62223	23.46369	0.194579	0.691863
135.6895	1.852882	1.082643	434.9507	60.62377	23.46431	0.194584	0.691971
135.7508	1.852931	1.082671	434.9888	60.62532	23.46492	0.194589	0.692079
135.8121	1.852979	1.082698	435.0269	60.62686	23.46554	0.194593	0.692187
135.8733	1.853027	1.082726	435.0649	60.6284	23.46615	0.194598	0.692295
135.9346	1.853075	1.082753	435.1029	60.62993	23.46676	0.194603	0.692403
135.9959	1.853123	1.08278	435.1408	60.63147	23.46737	0.194608	0.69251
136.0572	1.853171	1.082808	435.1787	60.633	23.46798	0.194613	0.692618
136.1185	1.853219	1.082835	435.2165	60.63453	23.46859	0.194618	0.692725
136.1798	1.853267	1.082862	435.2543	60.63606	23.4692	0.194623	0.692833
136.2411	1.853315	1.08289	435.292	60.63759	23.46981	0.194628	0.69294
136.3023	1.853363	1.082917	435.3297	60.63911	23.47042	0.194633	0.693047
136.3636	1.853411	1.082944	435.3673	60.64063	23.47102	0.194638	0.693154
136.4249	1.853458	1.082971	435.4049	60.64215	23.47163	0.194643	0.693261
136.4862	1.853506	1.082998	435.4424	60.64367	23.47223	0.194648	0.693368
136.5475	1.853554	1.083025	435.4799	60.64519	23.47284	0.194652	0.693475
136.6088	1.853601	1.083052	435.5174	60.64671	23.47344	0.194657	0.693581
136.6701	1.853648	1.083079	435.5547	60.64822	23.47404	0.194662	0.693688
136.7314	1.853696	1.083106	435.5921	60.64973	23.47465	0.194667	0.693794
136.7926	1.853743	1.083133	435.6294	60.65124	23.47525	0.194672	0.693901
136.8539	1.85379	1.08316	435.6667	60.65275	23.47585	0.194677	0.694007
136.9152	1.853838	1.083187	435.7039	60.65425	23.47645	0.194682	0.694113
136.9765	1.853885	1.083214	435.741	60.65576	23.47705	0.194686	0.694219
137.0378	1.853932	1.083241	435.7781	60.65726	23.47764	0.194691	0.694325
137.0991	1.853979	1.083268	435.8152	60.65876	23.47824	0.194696	0.694431
137.1604	1.854026	1.083294	435.8522	60.66026	23.47884	0.194701	0.694537
137.2217	1.854073	1.083321	435.8892	60.66176	23.47943	0.194706	0.694642
137.2829	1.85412	1.083348	435.9261	60.66325	23.48003	0.19471	0.694748
137.3442	1.854166	1.083374	435.963	60.66474	23.48062	0.194715	0.694854
137.4055	1.854213	1.083401	435.9999	60.66623	23.48122	0.19472	0.694959
137.4668	1.85426	1.083428	436.0366	60.66772	23.48181	0.194725	0.695064
137.5281	1.854306	1.083454	436.0734	60.66921	23.4824	0.19473	0.695169
137.5894	1.854353	1.083481	436.1101	60.6707	23.483	0.194734	0.695274
137.6507	1.854399	1.083507	436.1467	60.67218	23.48359	0.194739	0.695379
137.712	1.854446	1.083534	436.1833	60.67366	23.48418	0.194744	0.695484
137.7732	1.854492	1.08356	436.2199	60.67514	23.48477	0.194749	0.695589
137.8345	1.854539	1.083586	436.2564	60.67662	23.48535	0.194753	0.695694
137.8958	1.854585	1.083613	436.2929	60.67809	23.48594	0.194758	0.695798
137.9571	1.854631	1.083639	436.3293	60.67957	23.48653	0.194763	0.695903
138.0184	1.854677	1.083665	436.3657	60.68104	23.48712	0.194768	0.696007
138.0797	1.854723	1.083692	436.402	60.68251	23.4877	0.194772	0.696111
138.141	1.854769	1.083718	436.4383	60.68398	23.48829	0.194777	0.696216

138.2022	1.854815	1.083744	436.4745	60.68545	23.48887	0.194782	0.69632
138.2635	1.854861	1.08377	436.5107	60.68691	23.48945	0.194786	0.696424
138.3248	1.854907	1.083796	436.5469	60.68837	23.49004	0.194791	0.696528
138.3861	1.854953	1.083822	436.583	60.68983	23.49062	0.194796	0.696631
138.4474	1.854999	1.083848	436.619	60.69129	23.4912	0.194801	0.696735
138.5087	1.855044	1.083874	436.655	60.69275	23.49178	0.194805	0.696839
138.57	1.85509	1.0839	436.691	60.69421	23.49236	0.19481	0.696942
138.6313	1.855136	1.083926	436.7269	60.69566	23.49294	0.194815	0.697046
138.6925	1.855181	1.083952	436.7628	60.69712	23.49352	0.194819	0.697149
138.7538	1.855227	1.083978	436.7987	60.69857	23.4941	0.194824	0.697252
138.8151	1.855272	1.084004	436.8345	60.70002	23.49467	0.194829	0.697355
138.8764	1.855317	1.08403	436.8703	60.70146	23.49525	0.194833	0.697458
138.9377	1.855363	1.084056	436.906	60.70291	23.49583	0.194838	0.697561
138.999	1.855408	1.084081	436.9417	60.70435	23.4964	0.194842	0.697664
139.0603	1.855453	1.084107	436.9773	60.7058	23.49697	0.194847	0.697767
139.1216	1.855498	1.084133	437.0129	60.70724	23.49755	0.194852	0.69787
139.1828	1.855543	1.084159	437.0484	60.70867	23.49812	0.194856	0.697972
139.2441	1.855588	1.084184	437.0839	60.71011	23.49869	0.194861	0.698075
139.3054	1.855633	1.08421	437.1194	60.71155	23.49927	0.194866	0.698177
139.3667	1.855678	1.084235	437.1548	60.71298	23.49984	0.19487	0.698279
139.428	1.855723	1.084261	437.1902	60.71441	23.50041	0.194875	0.698381
139.4893	1.855768	1.084287	437.2255	60.71584	23.50098	0.194879	0.698484
139.5506	1.855813	1.084312	437.2608	60.71727	23.50154	0.194884	0.698586
139.6118	1.855857	1.084337	437.296	60.71869	23.50211	0.194889	0.698687
139.6731	1.855902	1.084363	437.3312	60.72012	23.50268	0.194893	0.698789
139.7344	1.855947	1.084388	437.3663	60.72154	23.50325	0.194898	0.698891
139.7957	1.855991	1.084414	437.4014	60.72296	23.50381	0.194902	0.698993
139.857	1.856036	1.084439	437.4365	60.72438	23.50438	0.194907	0.699094
139.9183	1.85608	1.084464	437.4715	60.7258	23.50494	0.194911	0.699195
139.9796	1.856125	1.08449	437.5065	60.72721	23.50551	0.194916	0.699297
140.0409	1.856169	1.084515	437.5414	60.72863	23.50607	0.19492	0.699398
140.1021	1.856213	1.08454	437.5763	60.73004	23.50663	0.194925	0.699499
140.1634	1.856257	1.084565	437.6111	60.73145	23.50719	0.19493	0.6996
140.2247	1.856301	1.08459	437.6459	60.73286	23.50775	0.194934	0.699701
140.286	1.856346	1.084615	437.6807	60.73426	23.50831	0.194939	0.699802
140.3473	1.85639	1.084641	437.7154	60.73567	23.50887	0.194943	0.699903
140.4086	1.856434	1.084666	437.7501	60.73707	23.50943	0.194948	0.700003
140.4699	1.856478	1.084691	437.7847	60.73847	23.50999	0.194952	0.700104
140.5312	1.856521	1.084716	437.8193	60.73987	23.51055	0.194957	0.700204
140.5924	1.856565	1.084741	437.8538	60.74127	23.51111	0.194961	0.700305
140.6537	1.856609	1.084765	437.8883	60.74267	23.51166	0.194966	0.700405
140.715	1.856653	1.08479	437.9228	60.74406	23.51222	0.19497	0.700505
140.7763	1.856696	1.084815	437.9572	60.74546	23.51277	0.194975	0.700605
140.8376	1.85674	1.08484	437.9915	60.74685	23.51333	0.194979	0.700705
140.8989	1.856784	1.084865	438.0259	60.74824	23.51388	0.194983	0.700805
140.9602	1.856827	1.08489	438.0601	60.74962	23.51443	0.194988	0.700905
141.0215	1.85687	1.084914	438.0944	60.75101	23.51498	0.194992	0.701005

141.0827	1.856914	1.084939	438.1286	60.75239	23.51553	0.194997	0.701104
141.144	1.856957	1.084964	438.1627	60.75378	23.51609	0.195001	0.701204
141.2053	1.857	1.084988	438.1968	60.75516	23.51664	0.195006	0.701303
141.2666	1.857044	1.085013	438.2309	60.75653	23.51718	0.19501	0.701403
141.3279	1.857087	1.085038	438.2649	60.75791	23.51773	0.195015	0.701502
141.3892	1.85713	1.085062	438.2989	60.75929	23.51828	0.195019	0.701601
141.4505	1.857173	1.085087	438.3328	60.76066	23.51883	0.195023	0.7017
141.5117	1.857216	1.085111	438.3667	60.76203	23.51937	0.195028	0.701799
141.573	1.857259	1.085136	438.4006	60.7634	23.51992	0.195032	0.701898
141.6343	1.857302	1.08516	438.4344	60.76477	23.52047	0.195037	0.701997
141.6956	1.857345	1.085184	438.4682	60.76614	23.52101	0.195041	0.702096
141.7569	1.857388	1.085209	438.5019	60.7675	23.52155	0.195045	0.702194
141.8182	1.85743	1.085233	438.5356	60.76887	23.5221	0.19505	0.702293
141.8795	1.857473	1.085257	438.5693	60.77023	23.52264	0.195054	0.702391
141.9408	1.857516	1.085282	438.6029	60.77159	23.52318	0.195058	0.702489
142.002	1.857558	1.085306	438.6364	60.77295	23.52372	0.195063	0.702588
142.0633	1.857601	1.08533	438.6699	60.77431	23.52426	0.195067	0.702686
142.1246	1.857643	1.085354	438.7034	60.77566	23.5248	0.195072	0.702784
142.1859	1.857686	1.085379	438.7368	60.77701	23.52534	0.195076	0.702882
142.2472	1.857728	1.085403	438.7702	60.77837	23.52588	0.19508	0.70298
142.3085	1.85777	1.085427	438.8036	60.77972	23.52642	0.195085	0.703078
142.3698	1.857813	1.085451	438.8369	60.78106	23.52696	0.195089	0.703175
142.4311	1.857855	1.085475	438.8702	60.78241	23.52749	0.195093	0.703273
142.4923	1.857897	1.085499	438.9034	60.78376	23.52803	0.195098	0.70337
142.5536	1.857939	1.085523	438.9366	60.7851	23.52856	0.195102	0.703468
142.6149	1.857981	1.085547	438.9697	60.78644	23.5291	0.195106	0.703565
142.6762	1.858023	1.085571	439.0028	60.78778	23.52963	0.195111	0.703662
142.7375	1.858065	1.085595	439.0359	60.78912	23.53016	0.195115	0.703759
142.7988	1.858107	1.085618	439.0689	60.79046	23.5307	0.195119	0.703856
142.8601	1.858149	1.085642	439.1019	60.79179	23.53123	0.195123	0.703953
142.9213	1.858191	1.085666	439.1348	60.79312	23.53176	0.195128	0.70405
142.9826	1.858232	1.08569	439.1677	60.79446	23.53229	0.195132	0.704147
143.0439	1.858274	1.085714	439.2006	60.79579	23.53282	0.195136	0.704244
143.1052	1.858316	1.085737	439.2334	60.79711	23.53335	0.195141	0.70434
143.1665	1.858357	1.085761	439.2662	60.79844	23.53388	0.195145	0.704437
143.2278	1.858399	1.085785	439.2989	60.79977	23.5344	0.195149	0.704533
143.2891	1.85844	1.085808	439.3316	60.80109	23.53493	0.195153	0.70463
143.3504	1.858482	1.085832	439.3643	60.80241	23.53546	0.195158	0.704726
143.4116	1.858523	1.085855	439.3969	60.80373	23.53598	0.195162	0.704822
143.4729	1.858564	1.085879	439.4295	60.80505	23.53651	0.195166	0.704918
143.5342	1.858606	1.085903	439.462	60.80637	23.53703	0.19517	0.705014
143.5955	1.858647	1.085926	439.4945	60.80768	23.53756	0.195174	0.70511
143.6568	1.858688	1.085949	439.5269	60.80899	23.53808	0.195179	0.705206
143.7181	1.858729	1.085973	439.5593	60.81031	23.5386	0.195183	0.705301
143.7794	1.85877	1.085996	439.5917	60.81162	23.53913	0.195187	0.705397
143.8407	1.858811	1.08602	439.624	60.81292	23.53965	0.195191	0.705492
143.9019	1.858852	1.086043	439.6563	60.81423	23.54017	0.195196	0.705588

143.9632	1.858893	1.086066	439.6886	60.81554	23.54069	0.1952	0.705683
144.0245	1.858934	1.08609	439.7208	60.81684	23.54121	0.195204	0.705778
144.0858	1.858975	1.086113	439.753	60.81814	23.54172	0.195208	0.705874
144.1471	1.859016	1.086136	439.7851	60.81944	23.54224	0.195212	0.705969
144.2084	1.859056	1.086159	439.8172	60.82074	23.54276	0.195216	0.706064
144.2697	1.859097	1.086182	439.8492	60.82204	23.54328	0.195221	0.706159
144.3309	1.859138	1.086205	439.8812	60.82334	23.54379	0.195225	0.706253
144.3922	1.859178	1.086229	439.9132	60.82463	23.54431	0.195229	0.706348
144.4535	1.859219	1.086252	439.9451	60.82592	23.54482	0.195233	0.706443
144.5148	1.859259	1.086275	439.977	60.82721	23.54534	0.195237	0.706537
144.5761	1.8593	1.086298	440.0089	60.8285	23.54585	0.195241	0.706632
144.6374	1.85934	1.086321	440.0407	60.82979	23.54636	0.195245	0.706726
144.6987	1.85938	1.086344	440.0724	60.83108	23.54688	0.19525	0.70682
144.76	1.859421	1.086367	440.1042	60.83236	23.54739	0.195254	0.706914
144.8212	1.859461	1.086389	440.1359	60.83364	23.5479	0.195258	0.707009
144.8825	1.859501	1.086412	440.1675	60.83492	23.54841	0.195262	0.707103
144.9438	1.859541	1.086435	440.1991	60.8362	23.54892	0.195266	0.707197
145.0051	1.859581	1.086458	440.2307	60.83748	23.54943	0.19527	0.70729
145.0664	1.859621	1.086481	440.2622	60.83876	23.54994	0.195274	0.707384
145.1277	1.859661	1.086504	440.2937	60.84003	23.55044	0.195278	0.707478
145.189	1.859701	1.086526	440.3252	60.84131	23.55095	0.195282	0.707571
145.2503	1.859741	1.086549	440.3566	60.84258	23.55146	0.195287	0.707665
145.3115	1.859781	1.086572	440.388	60.84385	23.55196	0.195291	0.707758
145.3728	1.859821	1.086594	440.4193	60.84512	23.55247	0.195295	0.707851
145.4341	1.85986	1.086617	440.4506	60.84638	23.55297	0.195299	0.707945
145.4954	1.8599	1.086639	440.4819	60.84765	23.55348	0.195303	0.708038
145.5567	1.85994	1.086662	440.5131	60.84891	23.55398	0.195307	0.708131
145.618	1.859979	1.086685	440.5443	60.85017	23.55448	0.195311	0.708224
145.6793	1.860019	1.086707	440.5754	60.85143	23.55499	0.195315	0.708317
145.7406	1.860058	1.08673	440.6065	60.85269	23.55549	0.195319	0.708409
145.8018	1.860098	1.086752	440.6376	60.85395	23.55599	0.195323	0.708502
145.8631	1.860137	1.086774	440.6686	60.85521	23.55649	0.195327	0.708595
145.9244	1.860176	1.086797	440.6996	60.85646	23.55699	0.195331	0.708687
145.9857	1.860216	1.086819	440.7306	60.85771	23.55749	0.195335	0.70878
146.047	1.860255	1.086841	440.7615	60.85897	23.55799	0.195339	0.708872
146.1083	1.860294	1.086864	440.7923	60.86022	23.55848	0.195343	0.708964
146.1696	1.860333	1.086886	440.8232	60.86146	23.55898	0.195347	0.709056
146.2308	1.860372	1.086908	440.854	60.86271	23.55948	0.195351	0.709148
146.2921	1.860411	1.086931	440.8847	60.86396	23.55997	0.195355	0.70924
146.3534	1.86045	1.086953	440.9154	60.8652	23.56047	0.195359	0.709332
146.4147	1.860489	1.086975	440.9461	60.86644	23.56096	0.195363	0.709424
146.476	1.860528	1.086997	440.9768	60.86768	23.56146	0.195367	0.709516
146.5373	1.860567	1.087019	441.0074	60.86892	23.56195	0.195371	0.709608
146.5986	1.860606	1.087041	441.0379	60.87016	23.56245	0.195375	0.709699
146.6599	1.860644	1.087063	441.0685	60.87139	23.56294	0.195379	0.709791
146.7211	1.860683	1.087085	441.099	60.87263	23.56343	0.195383	0.709882
146.7824	1.860722	1.087107	441.1294	60.87386	23.56392	0.195387	0.709973

146.8437	1.86076	1.087129	441.1598	60.87509	23.56441	0.195391	0.710064
146.905	1.860799	1.087151	441.1902	60.87632	23.5649	0.195395	0.710156
146.9663	1.860837	1.087173	441.2205	60.87755	23.56539	0.195399	0.710247
147.0276	1.860876	1.087195	441.2508	60.87878	23.56588	0.195403	0.710338
147.0889	1.860914	1.087217	441.2811	60.88	23.56637	0.195407	0.710428
147.1502	1.860953	1.087239	441.3113	60.88122	23.56685	0.195411	0.710519
147.2114	1.860991	1.087261	441.3415	60.88245	23.56734	0.195415	0.71061
147.2727	1.861029	1.087282	441.3717	60.88367	23.56783	0.195419	0.710701
147.334	1.861067	1.087304	441.4018	60.88489	23.56831	0.195423	0.710791
147.3953	1.861106	1.087326	441.4319	60.8861	23.5688	0.195426	0.710882
147.4566	1.861144	1.087348	441.4619	60.88732	23.56928	0.19543	0.710972
147.5179	1.861182	1.087369	441.4919	60.88853	23.56977	0.195434	0.711062
147.5792	1.86122	1.087391	441.5219	60.88975	23.57025	0.195438	0.711152
147.6404	1.861258	1.087413	441.5518	60.89096	23.57073	0.195442	0.711242
147.7017	1.861296	1.087434	441.5817	60.89217	23.57121	0.195446	0.711332
147.763	1.861334	1.087456	441.6115	60.89338	23.57169	0.19545	0.711422
147.8243	1.861371	1.087477	441.6413	60.89458	23.57218	0.195454	0.711512
147.8856	1.861409	1.087499	441.6711	60.89579	23.57266	0.195458	0.711602
147.9469	1.861447	1.08752	441.7009	60.89699	23.57314	0.195461	0.711692
148.0082	1.861485	1.087542	441.7306	60.8982	23.57361	0.195465	0.711781
148.0695	1.861522	1.087563	441.7602	60.8994	23.57409	0.195469	0.711871
148.1307	1.86156	1.087585	441.7899	60.9006	23.57457	0.195473	0.71196
148.192	1.861598	1.087606	441.8195	60.90179	23.57505	0.195477	0.71205
148.2533	1.861635	1.087627	441.849	60.90299	23.57552	0.195481	0.712139
148.3146	1.861672	1.087649	441.8785	60.90418	23.576	0.195485	0.712228
148.3759	1.86171	1.08767	441.908	60.90538	23.57648	0.195488	0.712317
148.4372	1.861747	1.087691	441.9375	60.90657	23.57695	0.195492	0.712406
148.4985	1.861785	1.087713	441.9669	60.90776	23.57743	0.195496	0.712495
148.5598	1.861822	1.087734	441.9962	60.90895	23.5779	0.1955	0.712584
148.621	1.861859	1.087755	442.0256	60.91014	23.57837	0.195504	0.712673
148.6823	1.861896	1.087776	442.0549	60.91132	23.57884	0.195507	0.712761
148.7436	1.861933	1.087797	442.0842	60.91251	23.57932	0.195511	0.71285
148.8049	1.861971	1.087818	442.1134	60.91369	23.57979	0.195515	0.712938
148.8662	1.862008	1.08784	442.1426	60.91487	23.58026	0.195519	0.713027
148.9275	1.862045	1.087861	442.1717	60.91605	23.58073	0.195523	0.713115
148.9888	1.862082	1.087882	442.2008	60.91723	23.5812	0.195526	0.713203
149.0501	1.862118	1.087903	442.2299	60.91841	23.58167	0.19553	0.713292
149.1113	1.862155	1.087924	442.259	60.91959	23.58214	0.195534	0.71338
149.1726	1.862192	1.087945	442.288	60.92076	23.5826	0.195538	0.713468
149.2339	1.862229	1.087966	442.317	60.92193	23.58307	0.195542	0.713556
149.2952	1.862266	1.087986	442.3459	60.9231	23.58354	0.195545	0.713643
149.3565	1.862302	1.088007	442.3748	60.92427	23.584	0.195549	0.713731
149.4178	1.862339	1.088028	442.4037	60.92544	23.58447	0.195553	0.713819
149.4791	1.862376	1.088049	442.4325	60.92661	23.58493	0.195557	0.713906
149.5403	1.862412	1.08807	442.4613	60.92778	23.5854	0.19556	0.713994
149.6016	1.862449	1.088091	442.4901	60.92894	23.58586	0.195564	0.714081
149.6629	1.862485	1.088111	442.5188	60.9301	23.58633	0.195568	0.714169

149.7242	1.862522	1.088132	442.5475	60.93126	23.58679	0.195572	0.714256
149.7855	1.862558	1.088153	442.5761	60.93242	23.58725	0.195575	0.714343
149.8468	1.862594	1.088173	442.6047	60.93358	23.58771	0.195579	0.71443
149.9081	1.86263	1.088194	442.6333	60.93474	23.58817	0.195583	0.714517
149.9694	1.862667	1.088215	442.6619	60.9359	23.58863	0.195586	0.714604
150.0306	1.862703	1.088235	442.6904	60.93705	23.58909	0.19559	0.714691
150.0919	1.862739	1.088256	442.7189	60.9382	23.58955	0.195594	0.714778
150.1532	1.862775	1.088277	442.7473	60.93935	23.59001	0.195598	0.714864
150.2145	1.862811	1.088297	442.7757	60.9405	23.59047	0.195601	0.714951
150.2758	1.862847	1.088318	442.8041	60.94165	23.59093	0.195605	0.715038
150.3371	1.862883	1.088338	442.8324	60.9428	23.59138	0.195609	0.715124
150.3984	1.862919	1.088358	442.8607	60.94394	23.59184	0.195612	0.71521
150.4597	1.862955	1.088379	442.889	60.94509	23.5923	0.195616	0.715297
150.5209	1.862991	1.088399	442.9172	60.94623	23.59275	0.19562	0.715383
150.5822	1.863027	1.08842	442.9454	60.94737	23.59321	0.195623	0.715469
150.6435	1.863062	1.08844	442.9736	60.94851	23.59366	0.195627	0.715555
150.7048	1.863098	1.08846	443.0017	60.94965	23.59411	0.195631	0.715641
150.7661	1.863134	1.088481	443.0298	60.95079	23.59457	0.195634	0.715727
150.8274	1.863169	1.088501	443.0578	60.95192	23.59502	0.195638	0.715813
150.8887	1.863205	1.088521	443.0858	60.95306	23.59547	0.195642	0.715898
150.9499	1.86324	1.088541	443.1138	60.95419	23.59592	0.195645	0.715984
151.0112	1.863276	1.088562	443.1417	60.95532	23.59637	0.195649	0.716069
151.0725	1.863311	1.088582	443.1696	60.95645	23.59682	0.195652	0.716155
151.1338	1.863347	1.088602	443.1975	60.95758	23.59727	0.195656	0.71624
151.1951	1.863382	1.088622	443.2253	60.95871	23.59772	0.19566	0.716326
151.2564	1.863417	1.088642	443.2531	60.95983	23.59817	0.195663	0.716411
151.3177	1.863452	1.088662	443.2809	60.96096	23.59862	0.195667	0.716496
151.379	1.863488	1.088682	443.3086	60.96208	23.59907	0.195671	0.716581
151.4402	1.863523	1.088702	443.3363	60.9632	23.59951	0.195674	0.716666
151.5015	1.863558	1.088722	443.364	60.96432	23.59996	0.195678	0.716751
151.5628	1.863593	1.088742	443.3916	60.96544	23.6004	0.195681	0.716836
151.6241	1.863628	1.088762	443.4192	60.96655	23.60085	0.195685	0.71692
151.6854	1.863663	1.088782	443.4468	60.96767	23.60129	0.195688	0.717005
151.7467	1.863698	1.088802	443.4743	60.96878	23.60174	0.195692	0.71709
151.808	1.863733	1.088822	443.5018	60.9699	23.60218	0.195696	0.717174
151.8693	1.863768	1.088842	443.5293	60.97101	23.60262	0.195699	0.717259
151.9305	1.863802	1.088861	443.5567	60.97212	23.60307	0.195703	0.717343
151.9918	1.863837	1.088881	443.5841	60.97323	23.60351	0.195706	0.717427
152.0531	1.863872	1.088901	443.6114	60.97434	23.60395	0.19571	0.717511
152.1144	1.863907	1.088921	443.6387	60.97544	23.60439	0.195713	0.717595
152.1757	1.863941	1.08894	443.666	60.97655	23.60483	0.195717	0.717679
152.237	1.863976	1.08896	443.6933	60.97765	23.60527	0.195721	0.717763
152.2983	1.86401	1.08898	443.7205	60.97875	23.60571	0.195724	0.717847
152.3596	1.864045	1.088999	443.7477	60.97985	23.60615	0.195728	0.717931
152.4208	1.864079	1.089019	443.7748	60.98095	23.60658	0.195731	0.718015
152.4821	1.864114	1.089039	443.8019	60.98205	23.60702	0.195735	0.718098
152.5434	1.864148	1.089058	443.829	60.98315	23.60746	0.195738	0.718182

152.6047	1.864183	1.089078	443.8561	60.98424	23.6079	0.195742	0.718265
152.666	1.864217	1.089097	443.8831	60.98533	23.60833	0.195745	0.718349
152.7273	1.864251	1.089117	443.9101	60.98643	23.60877	0.195749	0.718432
152.7886	1.864285	1.089136	443.937	60.98752	23.6092	0.195752	0.718515
152.8498	1.864319	1.089156	443.9639	60.98861	23.60964	0.195756	0.718598
152.9111	1.864354	1.089175	443.9908	60.9897	23.61007	0.195759	0.718682
152.9724	1.864388	1.089195	444.0177	60.99078	23.6105	0.195763	0.718765
153.0337	1.864422	1.089214	444.0445	60.99187	23.61093	0.195766	0.718847
153.095	1.864456	1.089233	444.0713	60.99295	23.61137	0.19577	0.71893
153.1563	1.86449	1.089253	444.098	60.99403	23.6118	0.195773	0.719013
153.2176	1.864524	1.089272	444.1247	60.99512	23.61223	0.195777	0.719096
153.2789	1.864557	1.089291	444.1514	60.9962	23.61266	0.19578	0.719178
153.3401	1.864591	1.08931	444.1781	60.99728	23.61309	0.195784	0.719261
153.4014	1.864625	1.08933	444.2047	60.99835	23.61352	0.195787	0.719343
153.4627	1.864659	1.089349	444.2313	60.99943	23.61395	0.195791	0.719426
153.524	1.864692	1.089368	444.2578	61.0005	23.61437	0.195794	0.719508
153.5853	1.864726	1.089387	444.2843	61.00158	23.6148	0.195797	0.71959
153.6466	1.86476	1.089406	444.3108	61.00265	23.61523	0.195801	0.719672
153.7079	1.864793	1.089426	444.3372	61.00372	23.61566	0.195804	0.719754
153.7692	1.864827	1.089445	444.3637	61.00479	23.61608	0.195808	0.719836
153.8304	1.86486	1.089464	444.39	61.00586	23.61651	0.195811	0.719918
153.8917	1.864894	1.089483	444.4164	61.00692	23.61693	0.195815	0.72
153.953	1.864927	1.089502	444.4427	61.00799	23.61736	0.195818	0.720082
154.0143	1.864961	1.089521	444.469	61.00905	23.61778	0.195821	0.720163
154.0756	1.864994	1.08954	444.4953	61.01012	23.61821	0.195825	0.720245
154.1369	1.865027	1.089559	444.5215	61.01118	23.61863	0.195828	0.720327
154.1982	1.86506	1.089578	444.5477	61.01224	23.61905	0.195832	0.720408
154.2594	1.865094	1.089597	444.5738	61.0133	23.61947	0.195835	0.720489
154.3207	1.865127	1.089615	444.5999	61.01436	23.61989	0.195838	0.720571
154.382	1.86516	1.089634	444.626	61.01541	23.62031	0.195842	0.720652
154.4433	1.865193	1.089653	444.6521	61.01647	23.62073	0.195845	0.720733
154.5046	1.865226	1.089672	444.6781	61.01752	23.62115	0.195849	0.720814
154.5659	1.865259	1.089691	444.7041	61.01857	23.62157	0.195852	0.720895
154.6272	1.865292	1.089709	444.7301	61.01962	23.62199	0.195855	0.720976
154.6885	1.865325	1.089728	444.756	61.02067	23.62241	0.195859	0.721057
154.7497	1.865358	1.089747	444.7819	61.02172	23.62283	0.195862	0.721137
154.811	1.865391	1.089766	444.8078	61.02277	23.62325	0.195866	0.721218
154.8723	1.865423	1.089784	444.8336	61.02381	23.62366	0.195869	0.721299
154.9336	1.865456	1.089803	444.8594	61.02486	23.62408	0.195872	0.721379
154.9949	1.865489	1.089822	444.8852	61.0259	23.62449	0.195876	0.72146
155.0562	1.865522	1.08984	444.9109	61.02694	23.62491	0.195879	0.72154
155.1175	1.865554	1.089859	444.9366	61.02798	23.62532	0.195882	0.72162
155.1788	1.865587	1.089877	444.9623	61.02902	23.62574	0.195886	0.721701
155.24	1.865619	1.089896	444.9879	61.03006	23.62615	0.195889	0.721781
155.3013	1.865652	1.089914	445.0135	61.0311	23.62656	0.195892	0.721861
155.3626	1.865684	1.089933	445.0391	61.03213	23.62698	0.195896	0.721941
155.4239	1.865717	1.089951	445.0646	61.03317	23.62739	0.195899	0.722021

155.4852	1.865749	1.08997	445.0901	61.0342	23.6278	0.195902	0.7221
155.5465	1.865781	1.089988	445.1156	61.03523	23.62821	0.195906	0.72218
155.6078	1.865814	1.090006	445.1411	61.03626	23.62862	0.195909	0.72226
155.6691	1.865846	1.090025	445.1665	61.03729	23.62903	0.195912	0.722339
155.7303	1.865878	1.090043	445.1919	61.03832	23.62944	0.195915	0.722419
155.7916	1.86591	1.090062	445.2172	61.03935	23.62985	0.195919	0.722498
155.8529	1.865943	1.09008	445.2426	61.04037	23.63026	0.195922	0.722578
155.9142	1.865975	1.090098	445.2679	61.0414	23.63067	0.195925	0.722657
155.9755	1.866007	1.090116	445.2931	61.04242	23.63108	0.195929	0.722736
156.0368	1.866039	1.090135	445.3183	61.04344	23.63148	0.195932	0.722815
156.0981	1.866071	1.090153	445.3435	61.04446	23.63189	0.195935	0.722895
156.1593	1.866103	1.090171	445.3687	61.04548	23.63229	0.195938	0.722974
156.2206	1.866135	1.090189	445.3938	61.0465	23.6327	0.195942	0.723052
156.2819	1.866166	1.090207	445.4189	61.04751	23.6331	0.195945	0.723131
156.3432	1.866198	1.090225	445.444	61.04853	23.63351	0.195948	0.72321
156.4045	1.86623	1.090244	445.4691	61.04954	23.63391	0.195952	0.723289
156.4658	1.866262	1.090262	445.4941	61.05055	23.63432	0.195955	0.723367
156.5271	1.866294	1.09028	445.519	61.05157	23.63472	0.195958	0.723446
156.5884	1.866325	1.090298	445.544	61.05258	23.63512	0.195961	0.723524
156.6496	1.866357	1.090316	445.5689	61.05358	23.63552	0.195965	0.723603
156.7109	1.866388	1.090334	445.5938	61.05459	23.63593	0.195968	0.723681
156.7722	1.86642	1.090352	445.6187	61.0556	23.63633	0.195971	0.723759
156.8335	1.866452	1.09037	445.6435	61.0566	23.63673	0.195974	0.723838
156.8948	1.866483	1.090387	445.6683	61.05761	23.63713	0.195977	0.723916
156.9561	1.866514	1.090405	445.693	61.05861	23.63753	0.195981	0.723994
157.0174	1.866546	1.090423	445.7178	61.05961	23.63793	0.195984	0.724072
157.0787	1.866577	1.090441	445.7425	61.06061	23.63832	0.195987	0.72415
157.1399	1.866609	1.090459	445.7671	61.06161	23.63872	0.19599	0.724227
157.2012	1.86664	1.090477	445.7918	61.06261	23.63912	0.195994	0.724305
157.2625	1.866671	1.090495	445.8164	61.0636	23.63952	0.195997	0.724383
157.3238	1.866702	1.090512	445.841	61.0646	23.63991	0.196	0.72446
157.3851	1.866733	1.09053	445.8655	61.06559	23.64031	0.196003	0.724538
157.4464	1.866765	1.090548	445.89	61.06659	23.6407	0.196006	0.724615
157.5077	1.866796	1.090565	445.9145	61.06758	23.6411	0.196009	0.724693
157.5689	1.866827	1.090583	445.939	61.06857	23.64149	0.196013	0.72477
157.6302	1.866858	1.090601	445.9634	61.06956	23.64189	0.196016	0.724847
157.6915	1.866889	1.090618	445.9878	61.07054	23.64228	0.196019	0.724924
157.7528	1.86692	1.090636	446.0122	61.07153	23.64267	0.196022	0.725001
157.8141	1.866951	1.090654	446.0365	61.07252	23.64307	0.196025	0.725078
157.8754	1.866981	1.090671	446.0608	61.0735	23.64346	0.196029	0.725155
157.9367	1.867012	1.090689	446.0851	61.07448	23.64385	0.196032	0.725232
157.998	1.867043	1.090706	446.1094	61.07547	23.64424	0.196035	0.725309
158.0592	1.867074	1.090724	446.1336	61.07645	23.64463	0.196038	0.725386
158.1205	1.867104	1.090741	446.1578	61.07743	23.64502	0.196041	0.725462
158.1818	1.867135	1.090759	446.1819	61.0784	23.64541	0.196044	0.725539
158.2431	1.867166	1.090776	446.2061	61.07938	23.6458	0.196047	0.725615
158.3044	1.867196	1.090794	446.2301	61.08036	23.64619	0.196051	0.725692

158.3657	1.867227	1.090811	446.2542	61.08133	23.64658	0.196054	0.725768
158.427	1.867257	1.090828	446.2783	61.0823	23.64697	0.196057	0.725844
158.4883	1.867288	1.090846	446.3023	61.08328	23.64735	0.19606	0.72592
158.5495	1.867318	1.090863	446.3262	61.08425	23.64774	0.196063	0.725997
158.6108	1.867349	1.09088	446.3502	61.08522	23.64813	0.196066	0.726073
158.6721	1.867379	1.090898	446.3741	61.08618	23.64851	0.196069	0.726149
158.7334	1.867409	1.090915	446.398	61.08715	23.6489	0.196072	0.726224
158.7947	1.86744	1.090932	446.4219	61.08812	23.64928	0.196075	0.7263
158.856	1.86747	1.090949	446.4457	61.08908	23.64967	0.196079	0.726376
158.9173	1.8675	1.090967	446.4695	61.09005	23.65005	0.196082	0.726452
158.9785	1.86753	1.090984	446.4933	61.09101	23.65044	0.196085	0.726527
159.0398	1.867561	1.091001	446.517	61.09197	23.65082	0.196088	0.726603
159.1011	1.867591	1.091018	446.5407	61.09293	23.6512	0.196091	0.726678
159.1624	1.867621	1.091035	446.5644	61.09389	23.65158	0.196094	0.726754
159.2237	1.867651	1.091052	446.5881	61.09485	23.65196	0.196097	0.726829
159.285	1.867681	1.091069	446.6117	61.0958	23.65235	0.1961	0.726904
159.3463	1.867711	1.091086	446.6353	61.09676	23.65273	0.196103	0.72698
159.4076	1.867741	1.091103	446.6588	61.09771	23.65311	0.196106	0.727055
159.4688	1.86777	1.09112	446.6824	61.09867	23.65349	0.196109	0.72713
159.5301	1.8678	1.091137	446.7059	61.09962	23.65387	0.196112	0.727205
159.5914	1.86783	1.091154	446.7294	61.10057	23.65424	0.196115	0.72728
159.6527	1.86786	1.091171	446.7528	61.10152	23.65462	0.196119	0.727354
159.714	1.86789	1.091188	446.7763	61.10247	23.655	0.196122	0.727429
159.7753	1.867919	1.091205	446.7996	61.10341	23.65538	0.196125	0.727504
159.8366	1.867949	1.091222	446.823	61.10436	23.65575	0.196128	0.727578
159.8979	1.867979	1.091239	446.8463	61.1053	23.65613	0.196131	0.727653
159.9591	1.868008	1.091256	446.8697	61.10625	23.65651	0.196134	0.727727
160.0204	1.868038	1.091273	446.8929	61.10719	23.65688	0.196137	0.727802
160.0817	1.868067	1.091289	446.9162	61.10813	23.65726	0.19614	0.727876
160.143	1.868097	1.091306	446.9394	61.10907	23.65763	0.196143	0.72795
160.2043	1.868126	1.091323	446.9626	61.11001	23.65801	0.196146	0.728025
160.2656	1.868156	1.09134	446.9858	61.11095	23.65838	0.196149	0.728099
160.3269	1.868185	1.091356	447.0089	61.11189	23.65875	0.196152	0.728173
160.3882	1.868214	1.091373	447.032	61.11282	23.65913	0.196155	0.728247
160.4494	1.868244	1.09139	447.0551	61.11376	23.6595	0.196158	0.728321
160.5107	1.868273	1.091406	447.0781	61.11469	23.65987	0.196161	0.728394
160.572	1.868302	1.091423	447.1011	61.11562	23.66024	0.196164	0.728468
160.6333	1.868331	1.09144	447.1241	61.11655	23.66061	0.196167	0.728542
160.6946	1.86836	1.091456	447.1471	61.11748	23.66098	0.19617	0.728615
160.7559	1.86839	1.091473	447.17	61.11841	23.66135	0.196173	0.728689
160.8172	1.868419	1.091489	447.193	61.11934	23.66172	0.196176	0.728763
160.8784	1.868448	1.091506	447.2158	61.12026	23.66209	0.196179	0.728836
160.9397	1.868477	1.091523	447.2387	61.12119	23.66246	0.196182	0.728909
161.001	1.868506	1.091539	447.2615	61.12211	23.66283	0.196185	0.728983
161.0623	1.868535	1.091555	447.2843	61.12304	23.6632	0.196188	0.729056
161.1236	1.868564	1.091572	447.3071	61.12396	23.66356	0.196191	0.729129
161.1849	1.868592	1.091588	447.3298	61.12488	23.66393	0.196194	0.729202

161.2462	1.868621	1.091605	447.3525	61.1258	23.6643	0.196197	0.729275
161.3075	1.86865	1.091621	447.3752	61.12672	23.66466	0.1962	0.729348
161.3687	1.868679	1.091638	447.3979	61.12763	23.66503	0.196202	0.729421
161.43	1.868708	1.091654	447.4205	61.12855	23.66539	0.196205	0.729493
161.4913	1.868736	1.09167	447.4431	61.12947	23.66576	0.196208	0.729566
161.5526	1.868765	1.091687	447.4657	61.13038	23.66612	0.196211	0.729639
161.6139	1.868794	1.091703	447.4882	61.13129	23.66649	0.196214	0.729711
161.6752	1.868822	1.091719	447.5107	61.1322	23.66685	0.196217	0.729784
161.7365	1.868851	1.091735	447.5332	61.13312	23.66721	0.19622	0.729856
161.7978	1.868879	1.091752	447.5557	61.13402	23.66757	0.196223	0.729929
161.859	1.868908	1.091768	447.5781	61.13493	23.66794	0.196226	0.730001
161.9203	1.868936	1.091784	447.6005	61.13584	23.6683	0.196229	0.730073
161.9816	1.868965	1.0918	447.6229	61.13675	23.66866	0.196232	0.730145
162.0429	1.868993	1.091816	447.6453	61.13765	23.66902	0.196235	0.730217
162.1042	1.869021	1.091833	447.6676	61.13856	23.66938	0.196238	0.730289
162.1655	1.86905	1.091849	447.6899	61.13946	23.66974	0.19624	0.730361
162.2268	1.869078	1.091865	447.7121	61.14036	23.6701	0.196243	0.730433
162.288	1.869106	1.091881	447.7344	61.14126	23.67046	0.196246	0.730505
162.3493	1.869134	1.091897	447.7566	61.14216	23.67082	0.196249	0.730577
162.4106	1.869162	1.091913	447.7788	61.14306	23.67117	0.196252	0.730649
162.4719	1.869191	1.091929	447.801	61.14396	23.67153	0.196255	0.73072
162.5332	1.869219	1.091945	447.8231	61.14485	23.67189	0.196258	0.730792
162.5945	1.869247	1.091961	447.8452	61.14575	23.67225	0.196261	0.730863
162.6558	1.869275	1.091977	447.8673	61.14664	23.6726	0.196264	0.730935
162.7171	1.869303	1.091993	447.8893	61.14753	23.67296	0.196266	0.731006
162.7783	1.869331	1.092009	447.9114	61.14843	23.67331	0.196269	0.731077
162.8396	1.869359	1.092025	447.9333	61.14932	23.67367	0.196272	0.731148
162.9009	1.869387	1.09204	447.9553	61.15021	23.67402	0.196275	0.73122
162.9622	1.869414	1.092056	447.9772	61.15109	23.67438	0.196278	0.731291
163.0235	1.869442	1.092072	447.9991	61.15198	23.67473	0.196281	0.731362
163.0848	1.86947	1.092088	448.021	61.15287	23.67508	0.196284	0.731433
163.1461	1.869498	1.092104	448.0428	61.15375	23.67543	0.196286	0.731503
163.2074	1.869525	1.09212	448.0647	61.15463	23.67579	0.196289	0.731574
163.2686	1.869553	1.092135	448.0865	61.15552	23.67614	0.196292	0.731645
163.3299	1.869581	1.092151	448.1082	61.1564	23.67649	0.196295	0.731716
163.3912	1.869608	1.092167	448.13	61.15728	23.67684	0.196298	0.731786
163.4525	1.869636	1.092182	448.1517	61.15816	23.67719	0.196301	0.731857
163.5138	1.869663	1.092198	448.1734	61.15903	23.67754	0.196303	0.731927
163.5751	1.869691	1.092214	448.195	61.15991	23.67789	0.196306	0.731997
163.6364	1.869718	1.092229	448.2166	61.16079	23.67824	0.196309	0.732068
163.6977	1.869746	1.092245	448.2382	61.16166	23.67859	0.196312	0.732138
163.7589	1.869773	1.092261	448.2598	61.16254	23.67893	0.196315	0.732208
163.8202	1.869801	1.092276	448.2814	61.16341	23.67928	0.196317	0.732278
163.8815	1.869828	1.092292	448.3029	61.16428	23.67963	0.19632	0.732348
163.9428	1.869855	1.092307	448.3244	61.16515	23.67998	0.196323	0.732418
164.0041	1.869882	1.092323	448.3459	61.16602	23.68032	0.196326	0.732488
164.0654	1.86991	1.092338	448.3673	61.16689	23.68067	0.196329	0.732558

164.1267	1.869937	1.092354	448.3887	61.16775	23.68101	0.196331	0.732628
164.1879	1.869964	1.092369	448.4101	61.16862	23.68136	0.196334	0.732698
164.2492	1.869991	1.092385	448.4315	61.16949	23.6817	0.196337	0.732767
164.3105	1.870018	1.0924	448.4528	61.17035	23.68205	0.19634	0.732837
164.3718	1.870045	1.092415	448.4741	61.17121	23.68239	0.196342	0.732906
164.4331	1.870072	1.092431	448.4954	61.17207	23.68274	0.196345	0.732976
164.4944	1.870099	1.092446	448.5167	61.17293	23.68308	0.196348	0.733045
164.5557	1.870126	1.092462	448.5379	61.17379	23.68342	0.196351	0.733115
164.617	1.870153	1.092477	448.5591	61.17465	23.68376	0.196354	0.733184
164.6782	1.87018	1.092492	448.5803	61.17551	23.68411	0.196356	0.733253
164.7395	1.870207	1.092508	448.6014	61.17637	23.68445	0.196359	0.733322
164.8008	1.870234	1.092523	448.6225	61.17722	23.68479	0.196362	0.733391
164.8621	1.870261	1.092538	448.6436	61.17808	23.68513	0.196365	0.73346
164.9234	1.870287	1.092553	448.6647	61.17893	23.68547	0.196367	0.733529
164.9847	1.870314	1.092568	448.6858	61.17978	23.68581	0.19637	0.733598
165.046	1.870341	1.092584	448.7068	61.18063	23.68615	0.196373	0.733667
165.1073	1.870367	1.092599	448.7278	61.18148	23.68649	0.196375	0.733735
165.1685	1.870394	1.092614	448.7488	61.18233	23.68682	0.196378	0.733804
165.2298	1.870421	1.092629	448.7697	61.18318	23.68716	0.196381	0.733873
165.2911	1.870447	1.092644	448.7906	61.18403	23.6875	0.196384	0.733941
165.3524	1.870474	1.092659	448.8115	61.18487	23.68784	0.196386	0.73401
165.4137	1.8705	1.092674	448.8324	61.18572	23.68817	0.196389	0.734078
165.475	1.870527	1.09269	448.8532	61.18656	23.68851	0.196392	0.734146
165.5363	1.870553	1.092705	448.874	61.18741	23.68885	0.196394	0.734215
165.5975	1.87058	1.09272	448.8948	61.18825	23.68918	0.196397	0.734283
165.6588	1.870606	1.092735	448.9156	61.18909	23.68952	0.1964	0.734351
165.7201	1.870632	1.09275	448.9363	61.18993	23.68985	0.196403	0.734419
165.7814	1.870659	1.092765	448.957	61.19077	23.69018	0.196405	0.734487
165.8427	1.870685	1.09278	448.9777	61.1916	23.69052	0.196408	0.734555
165.904	1.870711	1.092794	448.9984	61.19244	23.69085	0.196411	0.734623
165.9653	1.870737	1.092809	449.019	61.19328	23.69118	0.196413	0.734691
166.0266	1.870763	1.092824	449.0396	61.19411	23.69152	0.196416	0.734758
166.0878	1.87079	1.092839	449.0602	61.19494	23.69185	0.196419	0.734826
166.1491	1.870816	1.092854	449.0808	61.19578	23.69218	0.196421	0.734894
166.2104	1.870842	1.092869	449.1013	61.19661	23.69251	0.196424	0.734961
166.2717	1.870868	1.092884	449.1218	61.19744	23.69284	0.196427	0.735029
166.333	1.870894	1.092898	449.1423	61.19827	23.69317	0.196429	0.735096
166.3943	1.87092	1.092913	449.1627	61.1991	23.6935	0.196432	0.735164
166.4556	1.870946	1.092928	449.1832	61.19992	23.69383	0.196435	0.735231
166.5169	1.870972	1.092943	449.2036	61.20075	23.69416	0.196437	0.735298
166.5781	1.870997	1.092958	449.224	61.20157	23.69449	0.19644	0.735365
166.6394	1.871023	1.092972	449.2443	61.2024	23.69482	0.196443	0.735432
166.7007	1.871049	1.092987	449.2646	61.20322	23.69515	0.196445	0.735499
166.762	1.871075	1.093002	449.2849	61.20404	23.69548	0.196448	0.735566
166.8233	1.871101	1.093016	449.3052	61.20487	23.6958	0.196451	0.735633
166.8846	1.871126	1.093031	449.3255	61.20569	23.69613	0.196453	0.7357
166.9459	1.871152	1.093046	449.3457	61.2065	23.69646	0.196456	0.735767

167.0072	1.871178	1.09306	449.3659	61.20732	23.69678	0.196458	0.735833
167.0684	1.871203	1.093075	449.3861	61.20814	23.69711	0.196461	0.7359
167.1297	1.871229	1.093089	449.4062	61.20896	23.69743	0.196464	0.735967
167.191	1.871255	1.093104	449.4264	61.20977	23.69776	0.196466	0.736033
167.2523	1.87128	1.093118	449.4465	61.21059	23.69808	0.196469	0.7361
167.3136	1.871306	1.093133	449.4666	61.2114	23.69841	0.196472	0.736166
167.3749	1.871331	1.093147	449.4866	61.21221	23.69873	0.196474	0.736232
167.4362	1.871356	1.093162	449.5066	61.21302	23.69905	0.196477	0.736299
167.4974	1.871382	1.093176	449.5266	61.21383	23.69938	0.196479	0.736365
167.5587	1.871407	1.093191	449.5466	61.21464	23.6997	0.196482	0.736431
167.62	1.871433	1.093205	449.5666	61.21545	23.70002	0.196485	0.736497
167.6813	1.871458	1.09322	449.5865	61.21626	23.70034	0.196487	0.736563
167.7426	1.871483	1.093234	449.6064	61.21706	23.70066	0.19649	0.736629
167.8039	1.871508	1.093248	449.6263	61.21787	23.70098	0.196492	0.736695
167.8652	1.871534	1.093263	449.6462	61.21867	23.7013	0.196495	0.736761
167.9265	1.871559	1.093277	449.666	61.21947	23.70162	0.196498	0.736826
167.9877	1.871584	1.093291	449.6858	61.22028	23.70194	0.1965	0.736892
168.049	1.871609	1.093306	449.7056	61.22108	23.70226	0.196503	0.736958
168.1103	1.871634	1.09332	449.7253	61.22188	23.70258	0.196505	0.737023
168.1716	1.871659	1.093334	449.7451	61.22268	23.7029	0.196508	0.737089
168.2329	1.871684	1.093348	449.7648	61.22347	23.70322	0.19651	0.737154
168.2942	1.871709	1.093363	449.7845	61.22427	23.70354	0.196513	0.73722
168.3555	1.871734	1.093377	449.8041	61.22507	23.70385	0.196515	0.737285
168.4168	1.871759	1.093391	449.8238	61.22586	23.70417	0.196518	0.73735
168.478	1.871784	1.093405	449.8434	61.22666	23.70449	0.196521	0.737415
168.5393	1.871809	1.093419	449.863	61.22745	23.7048	0.196523	0.737481
168.6006	1.871834	1.093434	449.8825	61.22824	23.70512	0.196526	0.737546
168.6619	1.871859	1.093448	449.9021	61.22903	23.70543	0.196528	0.737611
168.7232	1.871883	1.093462	449.9216	61.22982	23.70575	0.196531	0.737676
168.7845	1.871908	1.093476	449.9411	61.23061	23.70606	0.196533	0.73774
168.8458	1.871933	1.09349	449.9606	61.2314	23.70638	0.196536	0.737805
168.907	1.871958	1.093504	449.98	61.23219	23.70669	0.196538	0.73787
168.9683	1.871982	1.093518	449.9994	61.23298	23.707	0.196541	0.737935
169.0296	1.872007	1.093532	450.0188	61.23376	23.70732	0.196543	0.737999
169.0909	1.872031	1.093546	450.0382	61.23455	23.70763	0.196546	0.738064
169.1522	1.872056	1.09356	450.0575	61.23533	23.70794	0.196548	0.738128
169.2135	1.872081	1.093574	450.0769	61.23611	23.70825	0.196551	0.738193
169.2748	1.872105	1.093588	450.0962	61.23689	23.70856	0.196553	0.738257
169.3361	1.872129	1.093602	450.1154	61.23767	23.70888	0.196556	0.738322
169.3973	1.872154	1.093616	450.1347	61.23845	23.70919	0.196559	0.738386
169.4586	1.872178	1.09363	450.1539	61.23923	23.7095	0.196561	0.73845
169.5199	1.872203	1.093644	450.1731	61.24001	23.70981	0.196564	0.738514
169.5812	1.872227	1.093657	450.1923	61.24079	23.71012	0.196566	0.738578
169.6425	1.872251	1.093671	450.2115	61.24156	23.71042	0.196568	0.738642
169.7038	1.872276	1.093685	450.2306	61.24234	23.71073	0.196571	0.738706
169.7651	1.8723	1.093699	450.2497	61.24311	23.71104	0.196573	0.73877
169.8264	1.872324	1.093713	450.2688	61.24388	23.71135	0.196576	0.738834

169.8876	1.872348	1.093727	450.2879	61.24466	23.71166	0.196578	0.738898
169.9489	1.872373	1.09374	450.3069	61.24543	23.71196	0.196581	0.738961
170.0102	1.872397	1.093754	450.3259	61.2462	23.71227	0.196583	0.739025
170.0715	1.872421	1.093768	450.3449	61.24697	23.71258	0.196586	0.739089
170.1328	1.872445	1.093782	450.3639	61.24773	23.71288	0.196588	0.739152
170.1941	1.872469	1.093795	450.3828	61.2485	23.71319	0.196591	0.739216
170.2554	1.872493	1.093809	450.4017	61.24927	23.7135	0.196593	0.739279
170.3166	1.872517	1.093823	450.4206	61.25003	23.7138	0.196596	0.739342
170.3779	1.872541	1.093836	450.4395	61.2508	23.7141	0.196598	0.739406
170.4392	1.872565	1.09385	450.4584	61.25156	23.71441	0.196601	0.739469
170.5005	1.872589	1.093863	450.4772	61.25232	23.71471	0.196603	0.739532
170.5618	1.872613	1.093877	450.496	61.25308	23.71502	0.196606	0.739595
170.6231	1.872637	1.093891	450.5148	61.25384	23.71532	0.196608	0.739658
170.6844	1.87266	1.093904	450.5335	61.2546	23.71562	0.19661	0.739721
170.7457	1.872684	1.093918	450.5523	61.25536	23.71592	0.196613	0.739784
170.8069	1.872708	1.093931	450.571	61.25612	23.71623	0.196615	0.739847
170.8682	1.872732	1.093945	450.5897	61.25688	23.71653	0.196618	0.73991
170.9295	1.872755	1.093958	450.6083	61.25763	23.71683	0.19662	0.739972
170.9908	1.872779	1.093972	450.627	61.25839	23.71713	0.196623	0.740035
171.0521	1.872803	1.093985	450.6456	61.25914	23.71743	0.196625	0.740098
171.1134	1.872826	1.093999	450.6642	61.2599	23.71773	0.196627	0.74016
171.1747	1.87285	1.094012	450.6828	61.26065	23.71803	0.19663	0.740223
171.236	1.872874	1.094025	450.7013	61.2614	23.71833	0.196632	0.740285
171.2972	1.872897	1.094039	450.7199	61.26215	23.71863	0.196635	0.740347
171.3585	1.872921	1.094052	450.7384	61.2629	23.71893	0.196637	0.74041
171.4198	1.872944	1.094066	450.7569	61.26365	23.71923	0.196639	0.740472
171.4811	1.872967	1.094079	450.7753	61.26439	23.71952	0.196642	0.740534
171.5424	1.872991	1.094092	450.7937	61.26514	23.71982	0.196644	0.740596
171.6037	1.873014	1.094106	450.8122	61.26589	23.72012	0.196647	0.740658
171.665	1.873038	1.094119	450.8306	61.26663	23.72041	0.196649	0.74072
171.7263	1.873061	1.094132	450.8489	61.26738	23.72071	0.196651	0.740782
171.7875	1.873084	1.094145	450.8673	61.26812	23.72101	0.196654	0.740844
171.8488	1.873108	1.094159	450.8856	61.26886	23.7213	0.196656	0.740906
171.9101	1.873131	1.094172	450.9039	61.2696	23.7216	0.196659	0.740968
171.9714	1.873154	1.094185	450.9222	61.27034	23.72189	0.196661	0.741029
172.0327	1.873177	1.094198	450.9404	61.27108	23.72219	0.196663	0.741091
172.094	1.8732	1.094211	450.9587	61.27182	23.72248	0.196666	0.741153
172.1553	1.873223	1.094225	450.9769	61.27256	23.72278	0.196668	0.741214
172.2165	1.873247	1.094238	450.9951	61.27329	23.72307	0.19667	0.741276
172.2778	1.87327	1.094251	451.0132	61.27403	23.72336	0.196673	0.741337
172.3391	1.873293	1.094264	451.0314	61.27476	23.72366	0.196675	0.741398
172.4004	1.873316	1.094277	451.0495	61.2755	23.72395	0.196678	0.74146
172.4617	1.873339	1.09429	451.0676	61.27623	23.72424	0.19668	0.741521
172.523	1.873362	1.094303	451.0857	61.27696	23.72453	0.196682	0.741582
172.5843	1.873385	1.094316	451.1037	61.27769	23.72482	0.196685	0.741643
172.6456	1.873407	1.094329	451.1218	61.27842	23.72511	0.196687	0.741704
172.7068	1.87343	1.094342	451.1398	61.27915	23.7254	0.196689	0.741765

172.7681	1.873453	1.094355	451.1578	61.27988	23.72569	0.196692	0.741826
172.8294	1.873476	1.094368	451.1757	61.28061	23.72598	0.196694	0.741887
172.8907	1.873499	1.094381	451.1937	61.28134	23.72627	0.196696	0.741948
172.952	1.873521	1.094394	451.2116	61.28206	23.72656	0.196699	0.742009
173.0133	1.873544	1.094407	451.2295	61.28279	23.72685	0.196701	0.742069
173.0746	1.873567	1.09442	451.2474	61.28351	23.72714	0.196703	0.74213
173.1359	1.87359	1.094433	451.2652	61.28423	23.72743	0.196706	0.742191
173.1971	1.873612	1.094446	451.2831	61.28496	23.72772	0.196708	0.742251
173.2584	1.873635	1.094459	451.3009	61.28568	23.728	0.19671	0.742312
173.3197	1.873657	1.094472	451.3187	61.2864	23.72829	0.196713	0.742372
173.381	1.87368	1.094485	451.3364	61.28712	23.72858	0.196715	0.742433
173.4423	1.873703	1.094497	451.3542	61.28784	23.72886	0.196717	0.742493
173.5036	1.873725	1.09451	451.3719	61.28855	23.72915	0.196719	0.742553
173.5649	1.873748	1.094523	451.3896	61.28927	23.72944	0.196722	0.742613
173.6261	1.87377	1.094536	451.4073	61.28999	23.72972	0.196724	0.742673
173.6874	1.873792	1.094549	451.4249	61.2907	23.73001	0.196726	0.742733
173.7487	1.873815	1.094561	451.4426	61.29142	23.73029	0.196729	0.742793
173.81	1.873837	1.094574	451.4602	61.29213	23.73057	0.196731	0.742853
173.8713	1.87386	1.094587	451.4778	61.29284	23.73086	0.196733	0.742913
173.9326	1.873882	1.094599	451.4954	61.29355	23.73114	0.196736	0.742973
173.9939	1.873904	1.094612	451.5129	61.29426	23.73143	0.196738	0.743033
174.0552	1.873926	1.094625	451.5304	61.29497	23.73171	0.19674	0.743093
174.1164	1.873949	1.094637	451.5479	61.29568	23.73199	0.196742	0.743152
174.1777	1.873971	1.09465	451.5654	61.29639	23.73227	0.196745	0.743212
174.239	1.873993	1.094663	451.5829	61.2971	23.73255	0.196747	0.743271
174.3003	1.874015	1.094675	451.6003	61.2978	23.73284	0.196749	0.743331
174.3616	1.874037	1.094688	451.6178	61.29851	23.73312	0.196751	0.74339
174.4229	1.874059	1.094701	451.6352	61.29921	23.7334	0.196754	0.74345
174.4842	1.874081	1.094713	451.6525	61.29992	23.73368	0.196756	0.743509
174.5455	1.874103	1.094726	451.6699	61.30062	23.73396	0.196758	0.743568
174.6067	1.874125	1.094738	451.6872	61.30132	23.73424	0.19676	0.743627
174.668	1.874147	1.094751	451.7045	61.30202	23.73452	0.196763	0.743687
174.7293	1.874169	1.094763	451.7218	61.30272	23.7348	0.196765	0.743746
174.7906	1.874191	1.094776	451.7391	61.30342	23.73508	0.196767	0.743805
174.8519	1.874213	1.094788	451.7564	61.30412	23.73535	0.196769	0.743864
174.9132	1.874235	1.094801	451.7736	61.30482	23.73563	0.196772	0.743923
174.9745	1.874257	1.094813	451.7908	61.30552	23.73591	0.196774	0.743982
175.0358	1.874279	1.094825	451.808	61.30621	23.73619	0.196776	0.74404
175.097	1.874301	1.094838	451.8251	61.30691	23.73646	0.196778	0.744099
175.1583	1.874322	1.09485	451.8423	61.3076	23.73674	0.196781	0.744158
175.2196	1.874344	1.094863	451.8594	61.30829	23.73702	0.196783	0.744216
175.2809	1.874366	1.094875	451.8765	61.30899	23.73729	0.196785	0.744275
175.3422	1.874388	1.094887	451.8936	61.30968	23.73757	0.196787	0.744333
175.4035	1.874409	1.0949	451.9106	61.31037	23.73784	0.19679	0.744392
175.4648	1.874431	1.094912	451.9277	61.31106	23.73812	0.196792	0.74445
175.526	1.874452	1.094924	451.9447	61.31175	23.73839	0.196794	0.744509
175.5873	1.874474	1.094937	451.9617	61.31244	23.73867	0.196796	0.744567

175.6486	1.874496	1.094949	451.9786	61.31312	23.73894	0.196798	0.744625
175.7099	1.874517	1.094961	451.9956	61.31381	23.73921	0.196801	0.744683
175.7712	1.874539	1.094973	452.0125	61.31449	23.73949	0.196803	0.744742
175.8325	1.87456	1.094986	452.0294	61.31518	23.73976	0.196805	0.7448
175.8938	1.874581	1.094998	452.0463	61.31586	23.74003	0.196807	0.744858
175.9551	1.874603	1.09501	452.0632	61.31655	23.7403	0.196809	0.744916
176.0163	1.874624	1.095022	452.08	61.31723	23.74058	0.196812	0.744973
176.0776	1.874646	1.095034	452.0968	61.31791	23.74085	0.196814	0.745031
176.1389	1.874667	1.095046	452.1136	61.31859	23.74112	0.196816	0.745089
176.2002	1.874688	1.095059	452.1304	61.31927	23.74139	0.196818	0.745147
176.2615	1.87471	1.095071	452.1472	61.31995	23.74166	0.19682	0.745205
176.3228	1.874731	1.095083	452.1639	61.32063	23.74193	0.196823	0.745262
176.3841	1.874752	1.095095	452.1806	61.3213	23.7422	0.196825	0.74532
176.4454	1.874773	1.095107	452.1973	61.32198	23.74247	0.196827	0.745377
176.5066	1.874794	1.095119	452.214	61.32266	23.74274	0.196829	0.745435
176.5679	1.874816	1.095131	452.2307	61.32333	23.74301	0.196831	0.745492
176.6292	1.874837	1.095143	452.2473	61.324	23.74328	0.196833	0.745549
176.6905	1.874858	1.095155	452.2639	61.32468	23.74354	0.196836	0.745607
176.7518	1.874879	1.095167	452.2805	61.32535	23.74381	0.196838	0.745664
176.8131	1.8749	1.095179	452.2971	61.32602	23.74408	0.19684	0.745721
176.8744	1.874921	1.095191	452.3137	61.32669	23.74435	0.196842	0.745778
176.9356	1.874942	1.095203	452.3302	61.32736	23.74461	0.196844	0.745835
176.9969	1.874963	1.095215	452.3467	61.32803	23.74488	0.196846	0.745892
177.0582	1.874984	1.095227	452.3632	61.3287	23.74515	0.196848	0.745949
177.1195	1.875005	1.095239	452.3797	61.32936	23.74541	0.196851	0.746006
177.1808	1.875026	1.095251	452.3961	61.33003	23.74568	0.196853	0.746063
177.2421	1.875047	1.095262	452.4126	61.3307	23.74594	0.196855	0.74612
177.3034	1.875067	1.095274	452.429	61.33136	23.74621	0.196857	0.746177
177.3647	1.875088	1.095286	452.4454	61.33202	23.74647	0.196859	0.746233
177.4259	1.875109	1.095298	452.4617	61.33269	23.74674	0.196861	0.74629
177.4872	1.87513	1.09531	452.4781	61.33335	23.747	0.196863	0.746346
177.5485	1.875151	1.095322	452.4944	61.33401	23.74726	0.196866	0.746403
177.6098	1.875171	1.095333	452.5107	61.33467	23.74753	0.196868	0.746459
177.6711	1.875192	1.095345	452.527	61.33533	23.74779	0.19687	0.746516
177.7324	1.875213	1.095357	452.5433	61.33599	23.74805	0.196872	0.746572
177.7937	1.875233	1.095369	452.5595	61.33665	23.74832	0.196874	0.746628
177.855	1.875254	1.09538	452.5758	61.33731	23.74858	0.196876	0.746685
177.9162	1.875274	1.095392	452.592	61.33796	23.74884	0.196878	0.746741
177.9775	1.875295	1.095404	452.6082	61.33862	23.7491	0.19688	0.746797
178.0388	1.875316	1.095416	452.6243	61.33927	23.74936	0.196882	0.746853
178.1001	1.875336	1.095427	452.6405	61.33993	23.74962	0.196885	0.746909
178.1614	1.875357	1.095439	452.6566	61.34058	23.74988	0.196887	0.746965
178.2227	1.875377	1.095451	452.6727	61.34123	23.75014	0.196889	0.747021
178.284	1.875397	1.095462	452.6888	61.34188	23.7504	0.196891	0.747077
178.3453	1.875418	1.095474	452.7049	61.34253	23.75066	0.196893	0.747133
178.4065	1.875438	1.095485	452.7209	61.34318	23.75092	0.196895	0.747188
178.4678	1.875459	1.095497	452.737	61.34383	23.75118	0.196897	0.747244

178.5291	1.875479	1.095509	452.753	61.34448	23.75144	0.196899	0.7473
178.5904	1.875499	1.09552	452.769	61.34513	23.75169	0.196901	0.747355
178.6517	1.87552	1.095532	452.7849	61.34578	23.75195	0.196903	0.747411
178.713	1.87554	1.095543	452.8009	61.34642	23.75221	0.196905	0.747466
178.7743	1.87556	1.095555	452.8168	61.34707	23.75247	0.196907	0.747522
178.8355	1.87558	1.095566	452.8327	61.34771	23.75272	0.19691	0.747577
178.8968	1.8756	1.095578	452.8486	61.34836	23.75298	0.196912	0.747633
178.9581	1.875621	1.095589	452.8645	61.349	23.75324	0.196914	0.747688
179.0194	1.875641	1.095601	452.8804	61.34964	23.75349	0.196916	0.747743
179.0807	1.875661	1.095612	452.8962	61.35028	23.75375	0.196918	0.747798
179.142	1.875681	1.095624	452.912	61.35092	23.754	0.19692	0.747853
179.2033	1.875701	1.095635	452.9278	61.35156	23.75426	0.196922	0.747908
179.2646	1.875721	1.095646	452.9436	61.3522	23.75451	0.196924	0.747963
179.3258	1.875741	1.095658	452.9593	61.35284	23.75477	0.196926	0.748018
179.3871	1.875761	1.095669	452.9751	61.35348	23.75502	0.196928	0.748073
179.4484	1.875781	1.095681	452.9908	61.35411	23.75527	0.19693	0.748128
179.5097	1.875801	1.095692	453.0065	61.35475	23.75553	0.196932	0.748183
179.571	1.875821	1.095703	453.0222	61.35538	23.75578	0.196934	0.748238
179.6323	1.875841	1.095715	453.0378	61.35602	23.75603	0.196936	0.748292
179.6936	1.875861	1.095726	453.0535	61.35665	23.75629	0.196938	0.748347
179.7549	1.87588	1.095737	453.0691	61.35728	23.75654	0.19694	0.748402
179.8161	1.8759	1.095748	453.0847	61.35791	23.75679	0.196942	0.748456
179.8774	1.87592	1.09576	453.1003	61.35855	23.75704	0.196944	0.748511
179.9387	1.87594	1.095771	453.1158	61.35918	23.75729	0.196946	0.748565
180	1.87596	1.095782	453.1314	61.35981	23.75754	0.196948	0.748619
180.0613	1.875979	1.095793	453.1469	61.36043	23.75779	0.19695	0.748674
180.1226	1.875999	1.095805	453.1624	61.36106	23.75804	0.196952	0.748728
180.1839	1.876019	1.095816	453.1779	61.36169	23.75829	0.196954	0.748782
180.2451	1.876038	1.095827	453.1933	61.36232	23.75854	0.196956	0.748836
180.3064	1.876058	1.095838	453.2088	61.36294	23.75879	0.196958	0.74889
180.3677	1.876077	1.095849	453.2242	61.36357	23.75904	0.19696	0.748944
180.429	1.876097	1.09586	453.2396	61.36419	23.75929	0.196962	0.748998
180.4903	1.876117	1.095872	453.255	61.36481	23.75954	0.196964	0.749052
180.5516	1.876136	1.095883	453.2704	61.36544	23.75979	0.196966	0.749106
180.6129	1.876156	1.095894	453.2857	61.36606	23.76003	0.196968	0.74916
180.6742	1.876175	1.095905	453.3011	61.36668	23.76028	0.19697	0.749214
180.7354	1.876195	1.095916	453.3164	61.3673	23.76053	0.196972	0.749268
180.7967	1.876214	1.095927	453.3317	61.36792	23.76078	0.196974	0.749321
180.858	1.876233	1.095938	453.3469	61.36854	23.76102	0.196976	0.749375
180.9193	1.876253	1.095949	453.3622	61.36915	23.76127	0.196978	0.749429
180.9806	1.876272	1.09596	453.3774	61.36977	23.76151	0.19698	0.749482
181.0419	1.876291	1.095971	453.3927	61.37039	23.76176	0.196982	0.749536
181.1032	1.876311	1.095982	453.4079	61.371	23.76201	0.196984	0.749589
181.1645	1.87633	1.095993	453.423	61.37162	23.76225	0.196986	0.749642
181.2257	1.876349	1.096004	453.4382	61.37223	23.7625	0.196988	0.749696
181.287	1.876368	1.096015	453.4533	61.37285	23.76274	0.19699	0.749749
181.3483	1.876388	1.096026	453.4685	61.37346	23.76298	0.196992	0.749802

181.4096	1.876407	1.096037	453.4836	61.37407	23.76323	0.196994	0.749855
181.4709	1.876426	1.096048	453.4987	61.37468	23.76347	0.196996	0.749909
181.5322	1.876445	1.096059	453.5137	61.37529	23.76371	0.196998	0.749962
181.5935	1.876464	1.096069	453.5288	61.3759	23.76396	0.197	0.750015
181.6547	1.876483	1.09608	453.5438	61.37651	23.7642	0.197002	0.750068
181.716	1.876502	1.096091	453.5588	61.37712	23.76444	0.197004	0.75012
181.7773	1.876521	1.096102	453.5738	61.37772	23.76468	0.197006	0.750173
181.8386	1.876541	1.096113	453.5888	61.37833	23.76493	0.197008	0.750226
181.8999	1.87656	1.096124	453.6037	61.37894	23.76517	0.19701	0.750279
181.9612	1.876578	1.096134	453.6187	61.37954	23.76541	0.197012	0.750332
182.0225	1.876597	1.096145	453.6336	61.38015	23.76565	0.197014	0.750384
182.0838	1.876616	1.096156	453.6485	61.38075	23.76589	0.197016	0.750437
182.145	1.876635	1.096167	453.6634	61.38135	23.76613	0.197018	0.750489
182.2063	1.876654	1.096178	453.6783	61.38195	23.76637	0.19702	0.750542
182.2676	1.876673	1.096188	453.6931	61.38256	23.76661	0.197021	0.750594
182.3289	1.876692	1.096199	453.7079	61.38316	23.76685	0.197023	0.750647
182.3902	1.876711	1.09621	453.7227	61.38376	23.76709	0.197025	0.750699
182.4515	1.876729	1.09622	453.7375	61.38435	23.76733	0.197027	0.750751
182.5128	1.876748	1.096231	453.7523	61.38495	23.76756	0.197029	0.750804
182.5741	1.876767	1.096242	453.7671	61.38555	23.7678	0.197031	0.750856
182.6353	1.876786	1.096252	453.7818	61.38615	23.76804	0.197033	0.750908
182.6966	1.876804	1.096263	453.7965	61.38674	23.76828	0.197035	0.75096
182.7579	1.876823	1.096274	453.8112	61.38734	23.76852	0.197037	0.751012
182.8192	1.876842	1.096284	453.8259	61.38793	23.76875	0.197039	0.751064
182.8805	1.87686	1.096295	453.8406	61.38853	23.76899	0.197041	0.751116
182.9418	1.876879	1.096305	453.8552	61.38912	23.76923	0.197043	0.751168
183.0031	1.876897	1.096316	453.8698	61.38971	23.76946	0.197044	0.75122
183.0644	1.876916	1.096327	453.8844	61.3903	23.7697	0.197046	0.751272
183.1256	1.876935	1.096337	453.899	61.3909	23.76993	0.197048	0.751323
183.1869	1.876953	1.096348	453.9136	61.39149	23.77017	0.19705	0.751375
183.2482	1.876972	1.096358	453.9281	61.39207	23.7704	0.197052	0.751427
183.3095	1.87699	1.096369	453.9427	61.39266	23.77064	0.197054	0.751478
183.3708	1.877008	1.096379	453.9572	61.39325	23.77087	0.197056	0.75153
183.4321	1.877027	1.09639	453.9717	61.39384	23.77111	0.197058	0.751581
183.4934	1.877045	1.0964	453.9862	61.39443	23.77134	0.19706	0.751633
183.5546	1.877064	1.096411	454.0006	61.39501	23.77157	0.197062	0.751684
183.6159	1.877082	1.096421	454.0151	61.3956	23.77181	0.197063	0.751736
183.6772	1.8771	1.096431	454.0295	61.39618	23.77204	0.197065	0.751787
183.7385	1.877119	1.096442	454.0439	61.39676	23.77227	0.197067	0.751838
183.7998	1.877137	1.096452	454.0583	61.39735	23.7725	0.197069	0.751889
183.8611	1.877155	1.096463	454.0727	61.39793	23.77274	0.197071	0.75194
183.9224	1.877173	1.096473	454.0871	61.39851	23.77297	0.197073	0.751991
183.9837	1.877192	1.096483	454.1014	61.39909	23.7732	0.197075	0.752043
184.0449	1.87721	1.096494	454.1157	61.39967	23.77343	0.197076	0.752094
184.1062	1.877228	1.096504	454.13	61.40025	23.77366	0.197078	0.752144
184.1675	1.877246	1.096514	454.1443	61.40083	23.77389	0.19708	0.752195
184.2288	1.877264	1.096525	454.1586	61.40141	23.77412	0.197082	0.752246

184.2901	1.877282	1.096535	454.1728	61.40198	23.77435	0.197084	0.752297
184.3514	1.8773	1.096545	454.1871	61.40256	23.77458	0.197086	0.752348
184.4127	1.877318	1.096556	454.2013	61.40314	23.77481	0.197088	0.752398
184.474	1.877336	1.096566	454.2155	61.40371	23.77504	0.197089	0.752449
184.5352	1.877355	1.096576	454.2297	61.40429	23.77527	0.197091	0.7525
184.5965	1.877372	1.096586	454.2438	61.40486	23.7755	0.197093	0.75255
184.6578	1.87739	1.096597	454.258	61.40543	23.77573	0.197095	0.752601
184.7191	1.877408	1.096607	454.2721	61.406	23.77595	0.197097	0.752651
184.7804	1.877426	1.096617	454.2862	61.40658	23.77618	0.197099	0.752702
184.8417	1.877444	1.096627	454.3003	61.40715	23.77641	0.197101	0.752752
184.903	1.877462	1.096637	454.3144	61.40772	23.77664	0.197102	0.752802
184.9642	1.87748	1.096648	454.3284	61.40829	23.77686	0.197104	0.752853
185.0255	1.877498	1.096658	454.3425	61.40885	23.77709	0.197106	0.752903
185.0868	1.877516	1.096668	454.3565	61.40942	23.77732	0.197108	0.752953
185.1481	1.877533	1.096678	454.3705	61.40999	23.77754	0.19711	0.753003
185.2094	1.877551	1.096688	454.3845	61.41056	23.77777	0.197111	0.753053
185.2707	1.877569	1.096698	454.3984	61.41112	23.77799	0.197113	0.753103
185.332	1.877587	1.096708	454.4124	61.41169	23.77822	0.197115	0.753153
185.3933	1.877604	1.096718	454.4263	61.41225	23.77844	0.197117	0.753203
185.4545	1.877622	1.096728	454.4403	61.41282	23.77867	0.197119	0.753253
185.5158	1.87764	1.096738	454.4542	61.41338	23.77889	0.197121	0.753303
185.5771	1.877657	1.096749	454.468	61.41394	23.77912	0.197122	0.753352
185.6384	1.877675	1.096759	454.4819	61.4145	23.77934	0.197124	0.753402
185.6997	1.877693	1.096769	454.4958	61.41506	23.77956	0.197126	0.753452
185.761	1.87771	1.096779	454.5096	61.41562	23.77979	0.197128	0.753501
185.8223	1.877728	1.096789	454.5234	61.41618	23.78001	0.19713	0.753551
185.8836	1.877745	1.096799	454.5372	61.41674	23.78023	0.197131	0.753601
185.9448	1.877763	1.096809	454.551	61.4173	23.78046	0.197133	0.75365
186.0061	1.87778	1.096818	454.5647	61.41786	23.78068	0.197135	0.753699
186.0674	1.877798	1.096828	454.5785	61.41841	23.7809	0.197137	0.753749
186.1287	1.877815	1.096838	454.5922	61.41897	23.78112	0.197138	0.753798
186.19	1.877832	1.096848	454.6059	61.41953	23.78134	0.19714	0.753847
186.2513	1.87785	1.096858	454.6196	61.42008	23.78156	0.197142	0.753897
186.3126	1.877867	1.096868	454.6333	61.42063	23.78178	0.197144	0.753946
186.3739	1.877885	1.096878	454.647	61.42119	23.782	0.197146	0.753995
186.4351	1.877902	1.096888	454.6606	61.42174	23.78223	0.197147	0.754044
186.4964	1.877919	1.096898	454.6742	61.42229	23.78245	0.197149	0.754093
186.5577	1.877937	1.096907	454.6878	61.42284	23.78266	0.197151	0.754142
186.619	1.877954	1.096917	454.7014	61.42339	23.78288	0.197153	0.754191
186.6803	1.877971	1.096927	454.715	61.42394	23.7831	0.197154	0.75424
186.7416	1.877988	1.096937	454.7286	61.42449	23.78332	0.197156	0.754289
186.8029	1.878005	1.096947	454.7421	61.42504	23.78354	0.197158	0.754338
186.8641	1.878023	1.096956	454.7556	61.42559	23.78376	0.19716	0.754386
186.9254	1.87804	1.096966	454.7692	61.42614	23.78398	0.197162	0.754435
186.9867	1.878057	1.096976	454.7826	61.42668	23.7842	0.197163	0.754484
187.048	1.878074	1.096986	454.7961	61.42723	23.78441	0.197165	0.754532
187.1093	1.878091	1.096995	454.8096	61.42777	23.78463	0.197167	0.754581

187.1706	1.878108	1.097005	454.823	61.42832	23.78485	0.197169	0.75463
187.2319	1.878125	1.097015	454.8365	61.42886	23.78506	0.19717	0.754678
187.2932	1.878142	1.097025	454.8499	61.42941	23.78528	0.197172	0.754726
187.3544	1.878159	1.097034	454.8633	61.42995	23.7855	0.197174	0.754775
187.4157	1.878176	1.097044	454.8766	61.43049	23.78571	0.197176	0.754823
187.477	1.878193	1.097054	454.89	61.43103	23.78593	0.197177	0.754871
187.5383	1.87821	1.097063	454.9033	61.43157	23.78614	0.197179	0.75492
187.5996	1.878227	1.097073	454.9167	61.43211	23.78636	0.197181	0.754968
187.6609	1.878244	1.097083	454.93	61.43265	23.78657	0.197182	0.755016
187.7222	1.878261	1.097092	454.9433	61.43319	23.78679	0.197184	0.755064
187.7835	1.878278	1.097102	454.9566	61.43373	23.787	0.197186	0.755112
187.8447	1.878295	1.097111	454.9698	61.43426	23.78722	0.197188	0.75516
187.906	1.878312	1.097121	454.9831	61.4348	23.78743	0.197189	0.755208
187.9673	1.878328	1.09713	454.9963	61.43534	23.78764	0.197191	0.755256
188.0286	1.878345	1.09714	455.0095	61.43587	23.78786	0.197193	0.755304
188.0899	1.878362	1.09715	455.0227	61.43641	23.78807	0.197195	0.755352
188.1512	1.878379	1.097159	455.0359	61.43694	23.78828	0.197196	0.7554
188.2125	1.878395	1.097169	455.0491	61.43747	23.7885	0.197198	0.755447
188.2737	1.878412	1.097178	455.0622	61.43801	23.78871	0.1972	0.755495
188.335	1.878429	1.097188	455.0753	61.43854	23.78892	0.197201	0.755543
188.3963	1.878445	1.097197	455.0884	61.43907	23.78913	0.197203	0.75559
188.4576	1.878462	1.097207	455.1015	61.4396	23.78934	0.197205	0.755638
188.5189	1.878479	1.097216	455.1146	61.44013	23.78955	0.197206	0.755685
188.5802	1.878495	1.097225	455.1277	61.44066	23.78976	0.197208	0.755733
188.6415	1.878512	1.097235	455.1407	61.44119	23.78998	0.19721	0.75578
188.7028	1.878528	1.097244	455.1538	61.44171	23.79019	0.197212	0.755827
188.764	1.878545	1.097254	455.1668	61.44224	23.7904	0.197213	0.755875
188.8253	1.878561	1.097263	455.1798	61.44277	23.79061	0.197215	0.755922
188.8866	1.878578	1.097273	455.1928	61.44329	23.79082	0.197217	0.755969
188.9479	1.878594	1.097282	455.2058	61.44382	23.79102	0.197218	0.756016
189.0092	1.878611	1.097291	455.2187	61.44434	23.79123	0.19722	0.756063
189.0705	1.878627	1.097301	455.2316	61.44487	23.79144	0.197222	0.756111
189.1318	1.878644	1.09731	455.2446	61.44539	23.79165	0.197223	0.756158
189.1931	1.87866	1.097319	455.2575	61.44591	23.79186	0.197225	0.756205
189.2543	1.878676	1.097329	455.2704	61.44644	23.79207	0.197227	0.756252
189.3156	1.878693	1.097338	455.2832	61.44696	23.79228	0.197228	0.756298
189.3769	1.878709	1.097347	455.2961	61.44748	23.79248	0.19723	0.756345
189.4382	1.878725	1.097357	455.3089	61.448	23.79269	0.197232	0.756392
189.4995	1.878742	1.097366	455.3218	61.44852	23.7929	0.197233	0.756439
189.5608	1.878758	1.097375	455.3346	61.44904	23.7931	0.197235	0.756486
189.6221	1.878774	1.097384	455.3474	61.44955	23.79331	0.197237	0.756532
189.6834	1.878791	1.097394	455.3601	61.45007	23.79352	0.197238	0.756579
189.7446	1.878807	1.097403	455.3729	61.45059	23.79372	0.19724	0.756625
189.8059	1.878823	1.097412	455.3856	61.45111	23.79393	0.197242	0.756672
189.8672	1.878839	1.097421	455.3984	61.45162	23.79413	0.197243	0.756718
189.9285	1.878855	1.09743	455.4111	61.45214	23.79434	0.197245	0.756765
189.9898	1.878871	1.09744	455.4238	61.45265	23.79454	0.197247	0.756811

190.0511	1.878888	1.097449	455.4365	61.45316	23.79475	0.197248	0.756858
190.1124	1.878904	1.097458	455.4491	61.45368	23.79495	0.19725	0.756904
190.1736	1.87892	1.097467	455.4618	61.45419	23.79516	0.197252	0.75695
190.2349	1.878936	1.097476	455.4744	61.4547	23.79536	0.197253	0.756996
190.2962	1.878952	1.097485	455.4871	61.45521	23.79557	0.197255	0.757043
190.3575	1.878968	1.097494	455.4997	61.45572	23.79577	0.197257	0.757089
190.4188	1.878984	1.097504	455.5122	61.45623	23.79597	0.197258	0.757135
190.4801	1.879	1.097513	455.5248	61.45674	23.79618	0.19726	0.757181
190.5414	1.879016	1.097522	455.5374	61.45725	23.79638	0.197261	0.757227
190.6027	1.879032	1.097531	455.5499	61.45776	23.79658	0.197263	0.757273
190.6639	1.879048	1.09754	455.5624	61.45827	23.79678	0.197265	0.757319
190.7252	1.879063	1.097549	455.575	61.45877	23.79698	0.197266	0.757364
190.7865	1.879079	1.097558	455.5875	61.45928	23.79719	0.197268	0.75741
190.8478	1.879095	1.097567	455.5999	61.45978	23.79739	0.19727	0.757456
190.9091	1.879111	1.097576	455.6124	61.46029	23.79759	0.197271	0.757502
190.9704	1.879127	1.097585	455.6248	61.46079	23.79779	0.197273	0.757547
191.0317	1.879143	1.097594	455.6373	61.4613	23.79799	0.197274	0.757593
191.093	1.879158	1.097603	455.6497	61.4618	23.79819	0.197276	0.757639
191.1542	1.879174	1.097612	455.6621	61.4623	23.79839	0.197278	0.757684
191.2155	1.87919	1.097621	455.6745	61.4628	23.79859	0.197279	0.75773
191.2768	1.879206	1.09763	455.6869	61.46331	23.79879	0.197281	0.757775
191.3381	1.879221	1.097639	455.6992	61.46381	23.79899	0.197283	0.757821
191.3994	1.879237	1.097648	455.7116	61.46431	23.79919	0.197284	0.757866
191.4607	1.879253	1.097657	455.7239	61.46481	23.79939	0.197286	0.757911
191.522	1.879268	1.097665	455.7362	61.4653	23.79959	0.197287	0.757956
191.5832	1.879284	1.097674	455.7485	61.4658	23.79979	0.197289	0.758002
191.6445	1.879299	1.097683	455.7608	61.4663	23.79998	0.197291	0.758047
191.7058	1.879315	1.097692	455.773	61.4668	23.80018	0.197292	0.758092
191.7671	1.879331	1.097701	455.7853	61.46729	23.80038	0.197294	0.758137
191.8284	1.879346	1.09771	455.7975	61.46779	23.80058	0.197295	0.758182
191.8897	1.879362	1.097719	455.8097	61.46828	23.80077	0.197297	0.758227
191.951	1.879377	1.097727	455.8219	61.46878	23.80097	0.197299	0.758272
192.0123	1.879393	1.097736	455.8341	61.46927	23.80117	0.1973	0.758317
192.0735	1.879408	1.097745	455.8463	61.46976	23.80136	0.197302	0.758362
192.1348	1.879424	1.097754	455.8585	61.47026	23.80156	0.197303	0.758407
192.1961	1.879439	1.097763	455.8706	61.47075	23.80176	0.197305	0.758452
192.2574	1.879454	1.097771	455.8827	61.47124	23.80195	0.197306	0.758496
192.3187	1.87947	1.09778	455.8949	61.47173	23.80215	0.197308	0.758541
192.38	1.879485	1.097789	455.9069	61.47222	23.80234	0.19731	0.758586
192.4413	1.879501	1.097798	455.919	61.47271	23.80254	0.197311	0.75863
192.5026	1.879516	1.097806	455.9311	61.4732	23.80273	0.197313	0.758675
192.5638	1.879531	1.097815	455.9432	61.47369	23.80293	0.197314	0.758719
192.6251	1.879546	1.097824	455.9552	61.47417	23.80312	0.197316	0.758764
192.6864	1.879562	1.097833	455.9672	61.47466	23.80332	0.197317	0.758808
192.7477	1.879577	1.097841	455.9792	61.47515	23.80351	0.197319	0.758853
192.809	1.879592	1.09785	455.9912	61.47563	23.8037	0.197321	0.758897
192.8703	1.879607	1.097859	456.0032	61.47612	23.8039	0.197322	0.758941

192.9316	1.879623	1.097867	456.0152	61.4766	23.80409	0.197324	0.758986
192.9928	1.879638	1.097876	456.0271	61.47709	23.80428	0.197325	0.75903
193.0541	1.879653	1.097884	456.039	61.47757	23.80448	0.197327	0.759074
193.1154	1.879668	1.097893	456.051	61.47805	23.80467	0.197328	0.759118
193.1767	1.879683	1.097902	456.0629	61.47854	23.80486	0.19733	0.759162
193.238	1.879698	1.09791	456.0748	61.47902	23.80505	0.197331	0.759206
193.2993	1.879713	1.097919	456.0866	61.4795	23.80524	0.197333	0.75925
193.3606	1.879729	1.097927	456.0985	61.47998	23.80544	0.197335	0.759294
193.4219	1.879744	1.097936	456.1103	61.48046	23.80563	0.197336	0.759338
193.4831	1.879759	1.097945	456.1222	61.48094	23.80582	0.197338	0.759382
193.5444	1.879774	1.097953	456.134	61.48142	23.80601	0.197339	0.759426
193.6057	1.879789	1.097962	456.1458	61.48189	23.8062	0.197341	0.75947
193.667	1.879804	1.09797	456.1576	61.48237	23.80639	0.197342	0.759514
193.7283	1.879819	1.097979	456.1694	61.48285	23.80658	0.197344	0.759557
193.7896	1.879833	1.097987	456.1811	61.48333	23.80677	0.197345	0.759601
193.8509	1.879848	1.097996	456.1929	61.4838	23.80696	0.197347	0.759645
193.9122	1.879863	1.098004	456.2046	61.48428	23.80715	0.197348	0.759688
193.9734	1.879878	1.098013	456.2163	61.48475	23.80734	0.19735	0.759732
194.0347	1.879893	1.098021	456.228	61.48522	23.80753	0.197351	0.759775
194.096	1.879908	1.09803	456.2397	61.4857	23.80772	0.197353	0.759819
194.1573	1.879923	1.098038	456.2513	61.48617	23.8079	0.197354	0.759862
194.2186	1.879938	1.098046	456.263	61.48664	23.80809	0.197356	0.759905
194.2799	1.879952	1.098055	456.2746	61.48711	23.80828	0.197357	0.759949
194.3412	1.879967	1.098063	456.2863	61.48758	23.80847	0.197359	0.759992
194.4025	1.879982	1.098072	456.2979	61.48806	23.80865	0.19736	0.760035
194.4637	1.879997	1.09808	456.3095	61.48853	23.80884	0.197362	0.760078
194.525	1.880011	1.098088	456.3211	61.48899	23.80903	0.197363	0.760122
194.5863	1.880026	1.098097	456.3326	61.48946	23.80922	0.197365	0.760165
194.6476	1.880041	1.098105	456.3442	61.48993	23.8094	0.197366	0.760208
194.7089	1.880055	1.098113	456.3557	61.4904	23.80959	0.197368	0.760251
194.7702	1.88007	1.098122	456.3673	61.49087	23.80977	0.197369	0.760294
194.8315	1.880085	1.09813	456.3788	61.49133	23.80996	0.197371	0.760337
194.8927	1.880099	1.098138	456.3903	61.4918	23.81015	0.197372	0.76038
194.954	1.880114	1.098147	456.4018	61.49226	23.81033	0.197374	0.760422
195.0153	1.880128	1.098155	456.4132	61.49273	23.81052	0.197375	0.760465
195.0766	1.880143	1.098163	456.4247	61.49319	23.8107	0.197377	0.760508
195.1379	1.880157	1.098172	456.4361	61.49365	23.81089	0.197378	0.760551
195.1992	1.880172	1.09818	456.4475	61.49412	23.81107	0.19738	0.760593
195.2605	1.880186	1.098188	456.459	61.49458	23.81125	0.197381	0.760636
195.3218	1.880201	1.098196	456.4704	61.49504	23.81144	0.197383	0.760679
195.383	1.880215	1.098205	456.4817	61.4955	23.81162	0.197384	0.760721
195.4443	1.88023	1.098213	456.4931	61.49596	23.81181	0.197386	0.760764
195.5056	1.880244	1.098221	456.5045	61.49642	23.81199	0.197387	0.760806
195.5669	1.880259	1.098229	456.5158	61.49688	23.81217	0.197389	0.760849
195.6282	1.880273	1.098237	456.5271	61.49734	23.81236	0.19739	0.760891
195.6895	1.880287	1.098246	456.5384	61.4978	23.81254	0.197392	0.760934
195.7508	1.880302	1.098254	456.5497	61.49826	23.81272	0.197393	0.760976

195.8121	1.880316	1.098262	456.561	61.49871	23.8129	0.197395	0.761018
195.8733	1.88033	1.09827	456.5723	61.49917	23.81308	0.197396	0.76106
195.9346	1.880345	1.098278	456.5836	61.49963	23.81327	0.197398	0.761103
195.9959	1.880359	1.098286	456.5948	61.50008	23.81345	0.197399	0.761145
196.0572	1.880373	1.098294	456.606	61.50054	23.81363	0.197401	0.761187
196.1185	1.880388	1.098303	456.6172	61.50099	23.81381	0.197402	0.761229
196.1798	1.880402	1.098311	456.6284	61.50145	23.81399	0.197403	0.761271
196.2411	1.880416	1.098319	456.6396	61.5019	23.81417	0.197405	0.761313
196.3023	1.88043	1.098327	456.6508	61.50235	23.81435	0.197406	0.761355
196.3636	1.880444	1.098335	456.662	61.5028	23.81453	0.197408	0.761397
196.4249	1.880459	1.098343	456.6731	61.50325	23.81471	0.197409	0.761439
196.4862	1.880473	1.098351	456.6842	61.50371	23.81489	0.197411	0.76148
196.5475	1.880487	1.098359	456.6954	61.50416	23.81507	0.197412	0.761522
196.6088	1.880501	1.098367	456.7065	61.50461	23.81525	0.197414	0.761564
196.6701	1.880515	1.098375	456.7176	61.50505	23.81543	0.197415	0.761606
196.7314	1.880529	1.098383	456.7286	61.5055	23.81561	0.197417	0.761647
196.7926	1.880543	1.098391	456.7397	61.50595	23.81579	0.197418	0.761689
196.8539	1.880557	1.098399	456.7507	61.5064	23.81597	0.197419	0.76173
196.9152	1.880571	1.098407	456.7618	61.50685	23.81614	0.197421	0.761772
196.9765	1.880585	1.098415	456.7728	61.50729	23.81632	0.197422	0.761814
197.0378	1.880599	1.098423	456.7838	61.50774	23.8165	0.197424	0.761855
197.0991	1.880613	1.098431	456.7948	61.50818	23.81668	0.197425	0.761896
197.1604	1.880627	1.098439	456.8058	61.50863	23.81685	0.197427	0.761938
197.2217	1.880641	1.098447	456.8168	61.50907	23.81703	0.197428	0.761979
197.2829	1.880655	1.098455	456.8277	61.50952	23.81721	0.197429	0.76202
197.3442	1.880669	1.098463	456.8386	61.50996	23.81738	0.197431	0.762062
197.4055	1.880683	1.098471	456.8496	61.5104	23.81756	0.197432	0.762103
197.4668	1.880697	1.098478	456.8605	61.51084	23.81774	0.197434	0.762144
197.5281	1.88071	1.098486	456.8714	61.51129	23.81791	0.197435	0.762185
197.5894	1.880724	1.098494	456.8823	61.51173	23.81809	0.197437	0.762226
197.6507	1.880738	1.098502	456.8931	61.51217	23.81826	0.197438	0.762267
197.712	1.880752	1.09851	456.904	61.51261	23.81844	0.197439	0.762308
197.7732	1.880766	1.098518	456.9148	61.51305	23.81862	0.197441	0.762349
197.8345	1.880779	1.098526	456.9257	61.51349	23.81879	0.197442	0.76239
197.8958	1.880793	1.098533	456.9365	61.51392	23.81896	0.197444	0.762431
197.9571	1.880807	1.098541	456.9473	61.51436	23.81914	0.197445	0.762472
198.0184	1.880821	1.098549	456.9581	61.5148	23.81931	0.197446	0.762513
198.0797	1.880834	1.098557	456.9689	61.51523	23.81949	0.197448	0.762554
198.141	1.880848	1.098565	456.9796	61.51567	23.81966	0.197449	0.762594
198.2022	1.880862	1.098572	456.9904	61.51611	23.81983	0.197451	0.762635
198.2635	1.880875	1.09858	457.0011	61.51654	23.82001	0.197452	0.762676
198.3248	1.880889	1.098588	457.0118	61.51698	23.82018	0.197453	0.762716
198.3861	1.880903	1.098596	457.0226	61.51741	23.82035	0.197455	0.762757
198.4474	1.880916	1.098603	457.0333	61.51784	23.82053	0.197456	0.762797
198.5087	1.88093	1.098611	457.0439	61.51828	23.8207	0.197458	0.762838
198.57	1.880943	1.098619	457.0546	61.51871	23.82087	0.197459	0.762878
198.6313	1.880957	1.098627	457.0653	61.51914	23.82104	0.19746	0.762919

198.6925	1.88097	1.098634	457.0759	61.51957	23.82122	0.197462	0.762959
198.7538	1.880984	1.098642	457.0865	61.52	23.82139	0.197463	0.762999
198.8151	1.880997	1.09865	457.0972	61.52043	23.82156	0.197464	0.76304
198.8764	1.881011	1.098657	457.1078	61.52086	23.82173	0.197466	0.76308
198.9377	1.881024	1.098665	457.1184	61.52129	23.8219	0.197467	0.76312
198.999	1.881038	1.098673	457.1289	61.52172	23.82207	0.197469	0.76316
199.0603	1.881051	1.09868	457.1395	61.52215	23.82224	0.19747	0.7632
199.1216	1.881065	1.098688	457.1501	61.52257	23.82241	0.197471	0.76324
199.1828	1.881078	1.098695	457.1606	61.523	23.82258	0.197473	0.763281
199.2441	1.881091	1.098703	457.1711	61.52343	23.82275	0.197474	0.763321
199.3054	1.881105	1.098711	457.1816	61.52385	23.82292	0.197475	0.763361
199.3667	1.881118	1.098718	457.1921	61.52428	23.82309	0.197477	0.7634
199.428	1.881131	1.098726	457.2026	61.5247	23.82326	0.197478	0.76344
199.4893	1.881145	1.098733	457.2131	61.52513	23.82343	0.19748	0.76348
199.5506	1.881158	1.098741	457.2236	61.52555	23.8236	0.197481	0.76352
199.6118	1.881171	1.098749	457.234	61.52598	23.82377	0.197482	0.76356
199.6731	1.881184	1.098756	457.2444	61.5264	23.82394	0.197484	0.7636
199.7344	1.881198	1.098764	457.2549	61.52682	23.8241	0.197485	0.763639
199.7957	1.881211	1.098771	457.2653	61.52724	23.82427	0.197486	0.763679
199.857	1.881224	1.098779	457.2757	61.52766	23.82444	0.197488	0.763719
199.9183	1.881237	1.098786	457.286	61.52808	23.82461	0.197489	0.763758
199.9796	1.881251	1.098794	457.2964	61.5285	23.82478	0.19749	0.763798
200.0409	1.881264	1.098801	457.3068	61.52892	23.82494	0.197492	0.763837
200.1021	1.881277	1.098809	457.3171	61.52934	23.82511	0.197493	0.763877
200.1634	1.88129	1.098816	457.3274	61.52976	23.82528	0.197494	0.763916
200.2247	1.881303	1.098824	457.3378	61.53018	23.82544	0.197496	0.763955
200.286	1.881316	1.098831	457.3481	61.5306	23.82561	0.197497	0.763995
200.3473	1.881329	1.098838	457.3584	61.53101	23.82578	0.197498	0.764034
200.4086	1.881342	1.098846	457.3686	61.53143	23.82594	0.1975	0.764073
200.4699	1.881355	1.098853	457.3789	61.53185	23.82611	0.197501	0.764113
200.5312	1.881368	1.098861	457.3892	61.53226	23.82627	0.197502	0.764152
200.5924	1.881381	1.098868	457.3994	61.53268	23.82644	0.197504	0.764191
200.6537	1.881394	1.098876	457.4096	61.53309	23.8266	0.197505	0.76423
200.715	1.881407	1.098883	457.4198	61.5335	23.82677	0.197506	0.764269
200.7763	1.88142	1.09889	457.4301	61.53392	23.82693	0.197508	0.764308
200.8376	1.881433	1.098898	457.4402	61.53433	23.8271	0.197509	0.764347
200.8989	1.881446	1.098905	457.4504	61.53474	23.82726	0.19751	0.764386
200.9602	1.881459	1.098912	457.4606	61.53515	23.82743	0.197512	0.764425
201.0215	1.881472	1.09892	457.4707	61.53557	23.82759	0.197513	0.764464
201.0827	1.881485	1.098927	457.4809	61.53598	23.82775	0.197514	0.764503
201.144	1.881498	1.098934	457.491	61.53639	23.82792	0.197516	0.764542
201.2053	1.881511	1.098942	457.5011	61.5368	23.82808	0.197517	0.76458
201.2666	1.881523	1.098949	457.5112	61.53721	23.82824	0.197518	0.764619
201.3279	1.881536	1.098956	457.5213	61.53761	23.82841	0.19752	0.764658
201.3892	1.881549	1.098964	457.5314	61.53802	23.82857	0.197521	0.764697
201.4505	1.881562	1.098971	457.5415	61.53843	23.82873	0.197522	0.764735
201.5117	1.881575	1.098978	457.5515	61.53884	23.82889	0.197524	0.764774

201.573	1.881587	1.098985	457.5615	61.53924	23.82906	0.197525	0.764812
201.6343	1.8816	1.098993	457.5716	61.53965	23.82922	0.197526	0.764851
201.6956	1.881613	1.099	457.5816	61.54006	23.82938	0.197528	0.764889
201.7569	1.881626	1.099007	457.5916	61.54046	23.82954	0.197529	0.764928
201.8182	1.881638	1.099014	457.6016	61.54087	23.8297	0.19753	0.764966
201.8795	1.881651	1.099022	457.6116	61.54127	23.82986	0.197531	0.765004
201.9408	1.881664	1.099029	457.6215	61.54167	23.83003	0.197533	0.765043
202.002	1.881676	1.099036	457.6315	61.54208	23.83019	0.197534	0.765081
202.0633	1.881689	1.099043	457.6414	61.54248	23.83035	0.197535	0.765119
202.1246	1.881702	1.09905	457.6513	61.54288	23.83051	0.197537	0.765158
202.1859	1.881714	1.099058	457.6613	61.54328	23.83067	0.197538	0.765196
202.2472	1.881727	1.099065	457.6712	61.54368	23.83083	0.197539	0.765234
202.3085	1.881739	1.099072	457.6811	61.54409	23.83099	0.19754	0.765272
202.3698	1.881752	1.099079	457.6909	61.54449	23.83115	0.197542	0.76531
202.4311	1.881764	1.099086	457.7008	61.54488	23.83131	0.197543	0.765348
202.4923	1.881777	1.099093	457.7107	61.54528	23.83146	0.197544	0.765386
202.5536	1.881789	1.0991	457.7205	61.54568	23.83162	0.197546	0.765424
202.6149	1.881802	1.099107	457.7303	61.54608	23.83178	0.197547	0.765462
202.6762	1.881814	1.099115	457.7401	61.54648	23.83194	0.197548	0.7655
202.7375	1.881827	1.099122	457.7499	61.54688	23.8321	0.197549	0.765538
202.7988	1.881839	1.099129	457.7597	61.54727	23.83226	0.197551	0.765575
202.8601	1.881852	1.099136	457.7695	61.54767	23.83241	0.197552	0.765613
202.9213	1.881864	1.099143	457.7793	61.54806	23.83257	0.197553	0.765651
202.9826	1.881876	1.09915	457.789	61.54846	23.83273	0.197555	0.765688
203.0439	1.881889	1.099157	457.7988	61.54885	23.83289	0.197556	0.765726
203.1052	1.881901	1.099164	457.8085	61.54925	23.83304	0.197557	0.765764
203.1665	1.881914	1.099171	457.8182	61.54964	23.8332	0.197558	0.765801
203.2278	1.881926	1.099178	457.8279	61.55004	23.83336	0.19756	0.765839
203.2891	1.881938	1.099185	457.8376	61.55043	23.83351	0.197561	0.765876
203.3504	1.881951	1.099192	457.8473	61.55082	23.83367	0.197562	0.765914
203.4116	1.881963	1.099199	457.857	61.55121	23.83383	0.197563	0.765951
203.4729	1.881975	1.099206	457.8667	61.5516	23.83398	0.197565	0.765989
203.5342	1.881987	1.099213	457.8763	61.552	23.83414	0.197566	0.766026
203.5955	1.882	1.09922	457.8859	61.55239	23.83429	0.197567	0.766063
203.6568	1.882012	1.099227	457.8956	61.55278	23.83445	0.197568	0.766101
203.7181	1.882024	1.099234	457.9052	61.55316	23.83461	0.19757	0.766138
203.7794	1.882036	1.099241	457.9148	61.55355	23.83476	0.197571	0.766175
203.8407	1.882048	1.099248	457.9244	61.55394	23.83492	0.197572	0.766212
203.9019	1.882061	1.099255	457.9339	61.55433	23.83507	0.197573	0.766249
203.9632	1.882073	1.099262	457.9435	61.55472	23.83522	0.197575	0.766286
204.0245	1.882085	1.099269	457.9531	61.5551	23.83538	0.197576	0.766323
204.0858	1.882097	1.099275	457.9626	61.55549	23.83553	0.197577	0.76636
204.1471	1.882109	1.099282	457.9721	61.55588	23.83569	0.197578	0.766397
204.2084	1.882121	1.099289	457.9816	61.55626	23.83584	0.19758	0.766434
204.2697	1.882133	1.099296	457.9912	61.55665	23.83599	0.197581	0.766471
204.3309	1.882145	1.099303	458.0006	61.55703	23.83615	0.197582	0.766508
204.3922	1.882157	1.09931	458.0101	61.55742	23.8363	0.197583	0.766545

204.4535	1.882169	1.099317	458.0196	61.5578	23.83645	0.197585	0.766582
204.5148	1.882181	1.099323	458.0291	61.55818	23.83661	0.197586	0.766619
204.5761	1.882193	1.09933	458.0385	61.55857	23.83676	0.197587	0.766655
204.6374	1.882205	1.099337	458.0479	61.55895	23.83691	0.197588	0.766692
204.6987	1.882217	1.099344	458.0574	61.55933	23.83706	0.197589	0.766729
204.76	1.882229	1.099351	458.0668	61.55971	23.83721	0.197591	0.766765
204.8212	1.882241	1.099358	458.0762	61.56009	23.83737	0.197592	0.766802
204.8825	1.882253	1.099364	458.0856	61.56047	23.83752	0.197593	0.766838
204.9438	1.882265	1.099371	458.0949	61.56085	23.83767	0.197594	0.766875
205.0051	1.882277	1.099378	458.1043	61.56123	23.83782	0.197596	0.766911
205.0664	1.882289	1.099385	458.1136	61.56161	23.83797	0.197597	0.766948
205.1277	1.882301	1.099391	458.123	61.56199	23.83812	0.197598	0.766984
205.189	1.882313	1.099398	458.1323	61.56237	23.83827	0.197599	0.767021
205.2503	1.882325	1.099405	458.1416	61.56274	23.83842	0.1976	0.767057
205.3115	1.882336	1.099412	458.1509	61.56312	23.83857	0.197602	0.767093
205.3728	1.882348	1.099418	458.1602	61.5635	23.83872	0.197603	0.767129
205.4341	1.88236	1.099425	458.1695	61.56387	23.83887	0.197604	0.767166
205.4954	1.882372	1.099432	458.1788	61.56425	23.83902	0.197605	0.767202
205.5567	1.882384	1.099438	458.1881	61.56462	23.83917	0.197606	0.767238
205.618	1.882395	1.099445	458.1973	61.565	23.83932	0.197608	0.767274
205.6793	1.882407	1.099452	458.2065	61.56537	23.83947	0.197609	0.76731
205.7406	1.882419	1.099459	458.2158	61.56575	23.83962	0.19761	0.767346
205.8018	1.88243	1.099465	458.225	61.56612	23.83977	0.197611	0.767382
205.8631	1.882442	1.099472	458.2342	61.56649	23.83992	0.197612	0.767418
205.9244	1.882454	1.099478	458.2434	61.56687	23.84007	0.197614	0.767454
205.9857	1.882465	1.099485	458.2526	61.56724	23.84021	0.197615	0.76749
206.047	1.882477	1.099492	458.2617	61.56761	23.84036	0.197616	0.767526
206.1083	1.882489	1.099498	458.2709	61.56798	23.84051	0.197617	0.767562
206.1696	1.8825	1.099505	458.28	61.56835	23.84066	0.197618	0.767598
206.2308	1.882512	1.099512	458.2892	61.56872	23.84081	0.19762	0.767633
206.2921	1.882524	1.099518	458.2983	61.56909	23.84095	0.197621	0.767669
206.3534	1.882535	1.099525	458.3074	61.56946	23.8411	0.197622	0.767705
206.4147	1.882547	1.099531	458.3165	61.56983	23.84125	0.197623	0.76774
206.476	1.882558	1.099538	458.3256	61.5702	23.84139	0.197624	0.767776
206.5373	1.88257	1.099545	458.3347	61.57056	23.84154	0.197626	0.767812
206.5986	1.882581	1.099551	458.3437	61.57093	23.84169	0.197627	0.767847
206.6599	1.882593	1.099558	458.3528	61.5713	23.84183	0.197628	0.767883
206.7211	1.882604	1.099564	458.3618	61.57166	23.84198	0.197629	0.767918
206.7824	1.882616	1.099571	458.3709	61.57203	23.84212	0.19763	0.767954
206.8437	1.882627	1.099577	458.3799	61.5724	23.84227	0.197631	0.767989
206.905	1.882639	1.099584	458.3889	61.57276	23.84242	0.197633	0.768024
206.9663	1.88265	1.09959	458.3979	61.57313	23.84256	0.197634	0.76806
207.0276	1.882662	1.099597	458.4069	61.57349	23.84271	0.197635	0.768095
207.0889	1.882673	1.099603	458.4159	61.57385	23.84285	0.197636	0.76813
207.1502	1.882684	1.09961	458.4248	61.57422	23.843	0.197637	0.768166
207.2114	1.882696	1.099616	458.4338	61.57458	23.84314	0.197638	0.768201
207.2727	1.882707	1.099623	458.4427	61.57494	23.84329	0.19764	0.768236

207.334	1.882719	1.099629	458.4517	61.5753	23.84343	0.197641	0.768271
207.3953	1.88273	1.099636	458.4606	61.57567	23.84357	0.197642	0.768306
207.4566	1.882741	1.099642	458.4695	61.57603	23.84372	0.197643	0.768341
207.5179	1.882752	1.099648	458.4784	61.57639	23.84386	0.197644	0.768376
207.5792	1.882764	1.099655	458.4873	61.57675	23.844	0.197645	0.768411
207.6404	1.882775	1.099661	458.4962	61.57711	23.84415	0.197647	0.768446
207.7017	1.882786	1.099668	458.505	61.57747	23.84429	0.197648	0.768481
207.763	1.882798	1.099674	458.5139	61.57782	23.84443	0.197649	0.768516
207.8243	1.882809	1.099681	458.5227	61.57818	23.84458	0.19765	0.768551
207.8856	1.88282	1.099687	458.5316	61.57854	23.84472	0.197651	0.768586
207.9469	1.882831	1.099693	458.5404	61.5789	23.84486	0.197652	0.768621
208.0082	1.882842	1.0997	458.5492	61.57926	23.845	0.197653	0.768655
208.0695	1.882854	1.099706	458.558	61.57961	23.84515	0.197655	0.76869
208.1307	1.882865	1.099712	458.5668	61.57997	23.84529	0.197656	0.768725
208.192	1.882876	1.099719	458.5756	61.58032	23.84543	0.197657	0.768759
208.2533	1.882887	1.099725	458.5843	61.58068	23.84557	0.197658	0.768794
208.3146	1.882898	1.099731	458.5931	61.58103	23.84571	0.197659	0.768829
208.3759	1.882909	1.099738	458.6018	61.58139	23.84585	0.19766	0.768863
208.4372	1.88292	1.099744	458.6106	61.58174	23.846	0.197661	0.768898
208.4985	1.882932	1.09975	458.6193	61.5821	23.84614	0.197663	0.768932
208.5598	1.882943	1.099757	458.628	61.58245	23.84628	0.197664	0.768967
208.621	1.882954	1.099763	458.6367	61.5828	23.84642	0.197665	0.769001
208.6823	1.882965	1.099769	458.6454	61.58315	23.84656	0.197666	0.769035
208.7436	1.882976	1.099776	458.6541	61.58351	23.8467	0.197667	0.76907
208.8049	1.882987	1.099782	458.6628	61.58386	23.84684	0.197668	0.769104
208.8662	1.882998	1.099788	458.6714	61.58421	23.84698	0.197669	0.769138
208.9275	1.883009	1.099794	458.6801	61.58456	23.84712	0.197671	0.769173
208.9888	1.88302	1.099801	458.6887	61.58491	23.84726	0.197672	0.769207
209.0501	1.883031	1.099807	458.6973	61.58526	23.8474	0.197673	0.769241
209.1113	1.883042	1.099813	458.706	61.58561	23.84754	0.197674	0.769275
209.1726	1.883053	1.099819	458.7146	61.58596	23.84768	0.197675	0.769309
209.2339	1.883064	1.099825	458.7232	61.5863	23.84781	0.197676	0.769343
209.2952	1.883074	1.099832	458.7318	61.58665	23.84795	0.197677	0.769377
209.3565	1.883085	1.099838	458.7403	61.587	23.84809	0.197678	0.769411
209.4178	1.883096	1.099844	458.7489	61.58735	23.84823	0.197679	0.769445
209.4791	1.883107	1.09985	458.7574	61.58769	23.84837	0.197681	0.769479
209.5403	1.883118	1.099856	458.766	61.58804	23.84851	0.197682	0.769513
209.6016	1.883129	1.099863	458.7745	61.58838	23.84864	0.197683	0.769547
209.6629	1.88314	1.099869	458.783	61.58873	23.84878	0.197684	0.769581
209.7242	1.88315	1.099875	458.7916	61.58907	23.84892	0.197685	0.769615
209.7855	1.883161	1.099881	458.8001	61.58942	23.84906	0.197686	0.769648
209.8468	1.883172	1.099887	458.8085	61.58976	23.84919	0.197687	0.769682
209.9081	1.883183	1.099893	458.817	61.59011	23.84933	0.197688	0.769716
209.9694	1.883194	1.0999	458.8255	61.59045	23.84947	0.197689	0.769749
210.0306	1.883204	1.099906	458.834	61.59079	23.8496	0.197691	0.769783
210.0919	1.883215	1.099912	458.8424	61.59113	23.84974	0.197692	0.769817
210.1532	1.883226	1.099918	458.8508	61.59148	23.84988	0.197693	0.76985

210.2145	1.883237	1.099924	458.8593	61.59182	23.85001	0.197694	0.769884
210.2758	1.883247	1.09993	458.8677	61.59216	23.85015	0.197695	0.769917
210.3371	1.883258	1.099936	458.8761	61.5925	23.85028	0.197696	0.769951
210.3984	1.883269	1.099942	458.8845	61.59284	23.85042	0.197697	0.769984
210.4597	1.883279	1.099948	458.8929	61.59318	23.85055	0.197698	0.770018
210.5209	1.88329	1.099954	458.9013	61.59352	23.85069	0.197699	0.770051
210.5822	1.8833	1.09996	458.9096	61.59386	23.85082	0.1977	0.770084
210.6435	1.883311	1.099966	458.918	61.5942	23.85096	0.197701	0.770118
210.7048	1.883322	1.099972	458.9263	61.59453	23.85109	0.197703	0.770151
210.7661	1.883332	1.099978	458.9347	61.59487	23.85123	0.197704	0.770184
210.8274	1.883343	1.099984	458.943	61.59521	23.85136	0.197705	0.770217
210.8887	1.883353	1.09999	458.9513	61.59555	23.8515	0.197706	0.770251
210.9499	1.883364	1.099996	458.9596	61.59588	23.85163	0.197707	0.770284
211.0112	1.883375	1.100002	458.9679	61.59622	23.85177	0.197708	0.770317
211.0725	1.883385	1.100008	458.9762	61.59655	23.8519	0.197709	0.77035
211.1338	1.883396	1.100014	458.9845	61.59689	23.85203	0.19771	0.770383
211.1951	1.883406	1.10002	458.9927	61.59722	23.85217	0.197711	0.770416
211.2564	1.883417	1.100026	459.001	61.59756	23.8523	0.197712	0.770449
211.3177	1.883427	1.100032	459.0092	61.59789	23.85243	0.197713	0.770482
211.379	1.883437	1.100038	459.0174	61.59823	23.85257	0.197714	0.770515
211.4402	1.883448	1.100044	459.0256	61.59856	23.8527	0.197716	0.770548
211.5015	1.883458	1.10005	459.0338	61.59889	23.85283	0.197717	0.77058
211.5628	1.883469	1.100056	459.042	61.59922	23.85296	0.197718	0.770613
211.6241	1.883479	1.100062	459.0502	61.59955	23.8531	0.197719	0.770646
211.6854	1.88349	1.100068	459.0584	61.59988	23.85323	0.19772	0.770679
211.7467	1.8835	1.100074	459.0665	61.60021	23.85336	0.197721	0.770712
211.808	1.88351	1.10008	459.0747	61.60054	23.85349	0.197722	0.770744
211.8693	1.883521	1.100086	459.0828	61.60087	23.85362	0.197723	0.770777
211.9305	1.883531	1.100091	459.0909	61.6012	23.85375	0.197724	0.77081
211.9918	1.883541	1.100097	459.0991	61.60153	23.85388	0.197725	0.770842
212.0531	1.883552	1.100103	459.1072	61.60186	23.85401	0.197726	0.770875
212.1144	1.883562	1.100109	459.1153	61.60219	23.85415	0.197727	0.770907
212.1757	1.883572	1.100115	459.1233	61.60252	23.85428	0.197728	0.77094
212.237	1.883582	1.100121	459.1314	61.60284	23.85441	0.197729	0.770972
212.2983	1.883593	1.100127	459.1395	61.60317	23.85454	0.19773	0.771005
212.3596	1.883603	1.100132	459.1475	61.6035	23.85467	0.197731	0.771037
212.4208	1.883613	1.100138	459.1556	61.60382	23.8548	0.197732	0.771069
212.4821	1.883623	1.100144	459.1636	61.60415	23.85493	0.197733	0.771102
212.5434	1.883633	1.10015	459.1716	61.60447	23.85506	0.197735	0.771134
212.6047	1.883644	1.100156	459.1796	61.6048	23.85519	0.197736	0.771166
212.666	1.883654	1.100161	459.1877	61.60512	23.85531	0.197737	0.771198
212.7273	1.883664	1.100167	459.1956	61.60545	23.85544	0.197738	0.771231
212.7886	1.883674	1.100173	459.2036	61.60577	23.85557	0.197739	0.771263
212.8498	1.883684	1.100179	459.2116	61.60609	23.8557	0.19774	0.771295
212.9111	1.883694	1.100185	459.2196	61.60642	23.85583	0.197741	0.771327
212.9724	1.883705	1.10019	459.2275	61.60674	23.85596	0.197742	0.771359
213.0337	1.883715	1.100196	459.2355	61.60706	23.85609	0.197743	0.771391

213.095	1.883725	1.100202	459.2434	61.60738	23.85622	0.197744	0.771423
213.1563	1.883735	1.100207	459.2513	61.6077	23.85634	0.197745	0.771455
213.2176	1.883745	1.100213	459.2592	61.60802	23.85647	0.197746	0.771487
213.2789	1.883755	1.100219	459.2671	61.60834	23.8566	0.197747	0.771519
213.3401	1.883765	1.100225	459.275	61.60866	23.85673	0.197748	0.771551
213.4014	1.883775	1.10023	459.2829	61.60898	23.85685	0.197749	0.771583
213.4627	1.883785	1.100236	459.2908	61.6093	23.85698	0.19775	0.771615
213.524	1.883795	1.100242	459.2986	61.60962	23.85711	0.197751	0.771646
213.5853	1.883805	1.100247	459.3065	61.60994	23.85723	0.197752	0.771678
213.6466	1.883815	1.100253	459.3143	61.61026	23.85736	0.197753	0.77171
213.7079	1.883825	1.100259	459.3222	61.61057	23.85749	0.197754	0.771742
213.7692	1.883835	1.100264	459.33	61.61089	23.85761	0.197755	0.771773
213.8304	1.883845	1.10027	459.3378	61.61121	23.85774	0.197756	0.771805
213.8917	1.883855	1.100276	459.3456	61.61152	23.85787	0.197757	0.771836
213.953	1.883865	1.100281	459.3534	61.61184	23.85799	0.197758	0.771868
214.0143	1.883874	1.100287	459.3612	61.61215	23.85812	0.197759	0.7719
214.0756	1.883884	1.100293	459.369	61.61247	23.85824	0.19776	0.771931
214.1369	1.883894	1.100298	459.3767	61.61278	23.85837	0.197761	0.771963
214.1982	1.883904	1.100304	459.3845	61.6131	23.85849	0.197762	0.771994
214.2594	1.883914	1.100309	459.3922	61.61341	23.85862	0.197763	0.772025
214.3207	1.883924	1.100315	459.4	61.61372	23.85874	0.197764	0.772057
214.382	1.883934	1.100321	459.4077	61.61404	23.85887	0.197765	0.772088
214.4433	1.883943	1.100326	459.4154	61.61435	23.85899	0.197766	0.772119
214.5046	1.883953	1.100332	459.4231	61.61466	23.85912	0.197767	0.772151
214.5659	1.883963	1.100337	459.4308	61.61497	23.85924	0.197768	0.772182
214.6272	1.883973	1.100343	459.4385	61.61529	23.85937	0.197769	0.772213
214.6885	1.883982	1.100348	459.4462	61.6156	23.85949	0.19777	0.772244
214.7497	1.883992	1.100354	459.4538	61.61591	23.85961	0.197771	0.772276
214.811	1.884002	1.10036	459.4615	61.61622	23.85974	0.197772	0.772307
214.8723	1.884012	1.100365	459.4691	61.61653	23.85986	0.197773	0.772338
214.9336	1.884021	1.100371	459.4768	61.61684	23.85998	0.197774	0.772369
214.9949	1.884031	1.100376	459.4844	61.61715	23.86011	0.197775	0.7724
215.0562	1.884041	1.100382	459.492	61.61745	23.86023	0.197776	0.772431
215.1175	1.88405	1.100387	459.4996	61.61776	23.86035	0.197777	0.772462
215.1788	1.88406	1.100393	459.5072	61.61807	23.86048	0.197778	0.772493
215.24	1.88407	1.100398	459.5148	61.61838	23.8606	0.197779	0.772524
215.3013	1.884079	1.100404	459.5224	61.61869	23.86072	0.19778	0.772555
215.3626	1.884089	1.100409	459.53	61.61899	23.86084	0.197781	0.772585
215.4239	1.884099	1.100415	459.5375	61.6193	23.86097	0.197782	0.772616
215.4852	1.884108	1.10042	459.5451	61.6196	23.86109	0.197783	0.772647
215.5465	1.884118	1.100425	459.5526	61.61991	23.86121	0.197784	0.772678
215.6078	1.884127	1.100431	459.5601	61.62022	23.86133	0.197785	0.772709
215.6691	1.884137	1.100436	459.5677	61.62052	23.86145	0.197786	0.772739
215.7303	1.884146	1.100442	459.5752	61.62082	23.86157	0.197787	0.77277
215.7916	1.884156	1.100447	459.5827	61.62113	23.8617	0.197788	0.772801
215.8529	1.884165	1.100453	459.5902	61.62143	23.86182	0.197789	0.772831
215.9142	1.884175	1.100458	459.5977	61.62174	23.86194	0.19779	0.772862

215.9755	1.884184	1.100463	459.6051	61.62204	23.86206	0.197791	0.772892
216.0368	1.884194	1.100469	459.6126	61.62234	23.86218	0.197792	0.772923
216.0981	1.884203	1.100474	459.6201	61.62264	23.8623	0.197793	0.772953
216.1593	1.884213	1.10048	459.6275	61.62294	23.86242	0.197794	0.772984
216.2206	1.884222	1.100485	459.6349	61.62325	23.86254	0.197795	0.773014
216.2819	1.884232	1.10049	459.6424	61.62355	23.86266	0.197796	0.773045
216.3432	1.884241	1.100496	459.6498	61.62385	23.86278	0.197797	0.773075
216.4045	1.884251	1.100501	459.6572	61.62415	23.8629	0.197798	0.773105
216.4658	1.88426	1.100506	459.6646	61.62445	23.86302	0.197799	0.773136
216.5271	1.884269	1.100512	459.672	61.62475	23.86314	0.1978	0.773166
216.5884	1.884279	1.100517	459.6794	61.62505	23.86326	0.197801	0.773196
216.6496	1.884288	1.100522	459.6867	61.62534	23.86338	0.197802	0.773226
216.7109	1.884298	1.100528	459.6941	61.62564	23.8635	0.197803	0.773257
216.7722	1.884307	1.100533	459.7014	61.62594	23.86361	0.197803	0.773287
216.8335	1.884316	1.100538	459.7088	61.62624	23.86373	0.197804	0.773317
216.8948	1.884326	1.100544	459.7161	61.62654	23.86385	0.197805	0.773347
216.9561	1.884335	1.100549	459.7234	61.62683	23.86397	0.197806	0.773377
217.0174	1.884344	1.100554	459.7308	61.62713	23.86409	0.197807	0.773407
217.0787	1.884353	1.10056	459.7381	61.62742	23.86421	0.197808	0.773437
217.1399	1.884363	1.100565	459.7454	61.62772	23.86432	0.197809	0.773467
217.2012	1.884372	1.10057	459.7526	61.62802	23.86444	0.19781	0.773497
217.2625	1.884381	1.100575	459.7599	61.62831	23.86456	0.197811	0.773527
217.3238	1.88439	1.100581	459.7672	61.62861	23.86468	0.197812	0.773557
217.3851	1.8844	1.100586	459.7744	61.6289	23.86479	0.197813	0.773587
217.4464	1.884409	1.100591	459.7817	61.62919	23.86491	0.197814	0.773617
217.5077	1.884418	1.100596	459.7889	61.62949	23.86503	0.197815	0.773646
217.5689	1.884427	1.100602	459.7962	61.62978	23.86514	0.197816	0.773676
217.6302	1.884437	1.100607	459.8034	61.63007	23.86526	0.197817	0.773706
217.6915	1.884446	1.100612	459.8106	61.63036	23.86538	0.197818	0.773736
217.7528	1.884455	1.100617	459.8178	61.63066	23.86549	0.197819	0.773765
217.8141	1.884464	1.100622	459.825	61.63095	23.86561	0.19782	0.773795
217.8754	1.884473	1.100628	459.8322	61.63124	23.86573	0.197821	0.773825
217.9367	1.884482	1.100633	459.8394	61.63153	23.86584	0.197821	0.773854
217.998	1.884491	1.100638	459.8465	61.63182	23.86596	0.197822	0.773884
218.0592	1.8845	1.100643	459.8537	61.63211	23.86607	0.197823	0.773913
218.1205	1.88451	1.100648	459.8608	61.6324	23.86619	0.197824	0.773943
218.1818	1.884519	1.100654	459.868	61.63269	23.8663	0.197825	0.773972
218.2431	1.884528	1.100659	459.8751	61.63298	23.86642	0.197826	0.774002
218.3044	1.884537	1.100664	459.8822	61.63327	23.86653	0.197827	0.774031
218.3657	1.884546	1.100669	459.8894	61.63356	23.86665	0.197828	0.77406
218.427	1.884555	1.100674	459.8965	61.63384	23.86676	0.197829	0.77409
218.4883	1.884564	1.100679	459.9036	61.63413	23.86688	0.19783	0.774119
218.5495	1.884573	1.100684	459.9106	61.63442	23.86699	0.197831	0.774148
218.6108	1.884582	1.10069	459.9177	61.6347	23.86711	0.197832	0.774178
218.6721	1.884591	1.100695	459.9248	61.63499	23.86722	0.197833	0.774207
218.7334	1.8846	1.1007	459.9318	61.63528	23.86734	0.197833	0.774236
218.7947	1.884609	1.100705	459.9389	61.63556	23.86745	0.197834	0.774265

218.856	1.884618	1.10071	459.9459	61.63585	23.86756	0.197835	0.774295
218.9173	1.884627	1.100715	459.953	61.63613	23.86768	0.197836	0.774324
218.9785	1.884636	1.10072	459.96	61.63642	23.86779	0.197837	0.774353
219.0398	1.884645	1.100725	459.967	61.6367	23.8679	0.197838	0.774382
219.1011	1.884653	1.10073	459.974	61.63699	23.86802	0.197839	0.774411
219.1624	1.884662	1.100735	459.981	61.63727	23.86813	0.19784	0.77444
219.2237	1.884671	1.10074	459.988	61.63755	23.86824	0.197841	0.774469
219.285	1.88468	1.100745	459.995	61.63784	23.86836	0.197842	0.774498
219.3463	1.884689	1.10075	460.002	61.63812	23.86847	0.197843	0.774527
219.4076	1.884698	1.100756	460.0089	61.6384	23.86858	0.197844	0.774556
219.4688	1.884707	1.100761	460.0159	61.63868	23.86869	0.197844	0.774584
219.5301	1.884715	1.100766	460.0228	61.63896	23.86881	0.197845	0.774613
219.5914	1.884724	1.100771	460.0297	61.63924	23.86892	0.197846	0.774642
219.6527	1.884733	1.100776	460.0367	61.63953	23.86903	0.197847	0.774671
219.714	1.884742	1.100781	460.0436	61.63981	23.86914	0.197848	0.7747
219.7753	1.884751	1.100786	460.0505	61.64009	23.86925	0.197849	0.774728
219.8366	1.884759	1.100791	460.0574	61.64037	23.86936	0.19785	0.774757
219.8979	1.884768	1.100796	460.0643	61.64064	23.86948	0.197851	0.774786
219.9591	1.884777	1.100801	460.0712	61.64092	23.86959	0.197852	0.774814
220.0204	1.884786	1.100806	460.0781	61.6412	23.8697	0.197853	0.774843
220.0817	1.884794	1.10081	460.0849	61.64148	23.86981	0.197853	0.774872
220.143	1.884803	1.100815	460.0918	61.64176	23.86992	0.197854	0.7749
220.2043	1.884812	1.10082	460.0986	61.64204	23.87003	0.197855	0.774929
220.2656	1.884821	1.100825	460.1055	61.64231	23.87014	0.197856	0.774957
220.3269	1.884829	1.10083	460.1123	61.64259	23.87025	0.197857	0.774986
220.3882	1.884838	1.100835	460.1191	61.64287	23.87036	0.197858	0.775014
220.4494	1.884847	1.10084	460.1259	61.64314	23.87047	0.197859	0.775042
220.5107	1.884855	1.100845	460.1327	61.64342	23.87058	0.19786	0.775071
220.572	1.884864	1.10085	460.1395	61.64369	23.87069	0.197861	0.775099
220.6333	1.884872	1.100855	460.1463	61.64397	23.8708	0.197861	0.775127
220.6946	1.884881	1.10086	460.1531	61.64424	23.87091	0.197862	0.775156
220.7559	1.88489	1.100865	460.1599	61.64452	23.87102	0.197863	0.775184
220.8172	1.884898	1.10087	460.1666	61.64479	23.87113	0.197864	0.775212
220.8784	1.884907	1.100874	460.1734	61.64507	23.87124	0.197865	0.775241
220.9397	1.884915	1.100879	460.1801	61.64534	23.87135	0.197866	0.775269
221.001	1.884924	1.100884	460.1869	61.64561	23.87146	0.197867	0.775297
221.0623	1.884933	1.100889	460.1936	61.64588	23.87156	0.197868	0.775325
221.1236	1.884941	1.100894	460.2003	61.64616	23.87167	0.197868	0.775353
221.1849	1.88495	1.100899	460.207	61.64643	23.87178	0.197869	0.775381
221.2462	1.884958	1.100904	460.2137	61.6467	23.87189	0.19787	0.775409
221.3075	1.884967	1.100909	460.2204	61.64697	23.872	0.197871	0.775437
221.3687	1.884975	1.100913	460.2271	61.64724	23.87211	0.197872	0.775465
221.43	1.884984	1.100918	460.2338	61.64751	23.87221	0.197873	0.775493
221.4913	1.884992	1.100923	460.2405	61.64778	23.87232	0.197874	0.775521
221.5526	1.885001	1.100928	460.2471	61.64805	23.87243	0.197875	0.775549
221.6139	1.885009	1.100933	460.2538	61.64832	23.87254	0.197875	0.775577
221.6752	1.885018	1.100937	460.2604	61.64859	23.87264	0.197876	0.775605

221.7365	1.885026	1.100942	460.267	61.64886	23.87275	0.197877	0.775633
221.7978	1.885034	1.100947	460.2737	61.64913	23.87286	0.197878	0.77566
221.859	1.885043	1.100952	460.2803	61.6494	23.87296	0.197879	0.775688
221.9203	1.885051	1.100957	460.2869	61.64967	23.87307	0.19788	0.775716
221.9816	1.88506	1.100961	460.2935	61.64993	23.87318	0.197881	0.775744
222.0429	1.885068	1.100966	460.3001	61.6502	23.87328	0.197881	0.775771
222.1042	1.885076	1.100971	460.3067	61.65047	23.87339	0.197882	0.775799
222.1655	1.885085	1.100976	460.3133	61.65073	23.8735	0.197883	0.775827
222.2268	1.885093	1.10098	460.3198	61.651	23.8736	0.197884	0.775854
222.288	1.885101	1.100985	460.3264	61.65127	23.87371	0.197885	0.775882
222.3493	1.88511	1.10099	460.3329	61.65153	23.87382	0.197886	0.775909
222.4106	1.885118	1.100995	460.3395	61.6518	23.87392	0.197887	0.775937
222.4719	1.885126	1.100999	460.346	61.65206	23.87403	0.197887	0.775964
222.5332	1.885135	1.101004	460.3525	61.65233	23.87413	0.197888	0.775992
222.5945	1.885143	1.101009	460.3591	61.65259	23.87424	0.197889	0.776019
222.6558	1.885151	1.101014	460.3656	61.65285	23.87434	0.19789	0.776047
222.7171	1.885159	1.101018	460.3721	61.65312	23.87445	0.197891	0.776074
222.7783	1.885168	1.101023	460.3786	61.65338	23.87455	0.197892	0.776101
222.8396	1.885176	1.101028	460.3851	61.65364	23.87466	0.197892	0.776129
222.9009	1.885184	1.101032	460.3915	61.65391	23.87476	0.197893	0.776156
222.9622	1.885192	1.101037	460.398	61.65417	23.87487	0.197894	0.776183
223.0235	1.885201	1.101042	460.4045	61.65443	23.87497	0.197895	0.77621
223.0848	1.885209	1.101046	460.4109	61.65469	23.87508	0.197896	0.776238
223.1461	1.885217	1.101051	460.4174	61.65495	23.87518	0.197897	0.776265
223.2074	1.885225	1.101056	460.4238	61.65521	23.87528	0.197898	0.776292
223.2686	1.885233	1.10106	460.4302	61.65547	23.87539	0.197898	0.776319
223.3299	1.885242	1.101065	460.4367	61.65573	23.87549	0.197899	0.776346
223.3912	1.88525	1.10107	460.4431	61.65599	23.87559	0.1979	0.776373
223.4525	1.885258	1.101074	460.4495	61.65625	23.8757	0.197901	0.7764
223.5138	1.885266	1.101079	460.4559	61.65651	23.8758	0.197902	0.776427
223.5751	1.885274	1.101083	460.4623	61.65677	23.8759	0.197903	0.776454
223.6364	1.885282	1.101088	460.4686	61.65703	23.87601	0.197903	0.776481
223.6977	1.88529	1.101093	460.475	61.65729	23.87611	0.197904	0.776508
223.7589	1.885298	1.101097	460.4814	61.65755	23.87621	0.197905	0.776535
223.8202	1.885307	1.101102	460.4877	61.6578	23.87632	0.197906	0.776562
223.8815	1.885315	1.101106	460.4941	61.65806	23.87642	0.197907	0.776589
223.9428	1.885323	1.101111	460.5004	61.65832	23.87652	0.197908	0.776616
224.0041	1.885331	1.101116	460.5068	61.65857	23.87662	0.197908	0.776643
224.0654	1.885339	1.10112	460.5131	61.65883	23.87673	0.197909	0.776669
224.1267	1.885347	1.101125	460.5194	61.65909	23.87683	0.19791	0.776696
224.1879	1.885355	1.101129	460.5257	61.65934	23.87693	0.197911	0.776723
224.2492	1.885363	1.101134	460.532	61.6596	23.87703	0.197912	0.77675
224.3105	1.885371	1.101138	460.5383	61.65985	23.87713	0.197912	0.776776
224.3718	1.885379	1.101143	460.5446	61.66011	23.87723	0.197913	0.776803
224.4331	1.885387	1.101148	460.5509	61.66036	23.87734	0.197914	0.77683
224.4944	1.885395	1.101152	460.5571	61.66062	23.87744	0.197915	0.776856
224.5557	1.885403	1.101157	460.5634	61.66087	23.87754	0.197916	0.776883

224.617	1.885411	1.101161	460.5697	61.66112	23.87764	0.197917	0.776909
224.6782	1.885419	1.101166	460.5759	61.66138	23.87774	0.197917	0.776936
224.7395	1.885427	1.10117	460.5821	61.66163	23.87784	0.197918	0.776962
224.8008	1.885434	1.101175	460.5884	61.66188	23.87794	0.197919	0.776989
224.8621	1.885442	1.101179	460.5946	61.66213	23.87804	0.19792	0.777015
224.9234	1.88545	1.101184	460.6008	61.66239	23.87814	0.197921	0.777042
224.9847	1.885458	1.101188	460.607	61.66264	23.87824	0.197921	0.777068
225.046	1.885466	1.101193	460.6132	61.66289	23.87834	0.197922	0.777094
225.1073	1.885474	1.101197	460.6194	61.66314	23.87844	0.197923	0.777121
225.1685	1.885482	1.101202	460.6256	61.66339	23.87854	0.197924	0.777147
225.2298	1.88549	1.101206	460.6318	61.66364	23.87864	0.197925	0.777173
225.2911	1.885498	1.101211	460.6379	61.66389	23.87874	0.197925	0.7772
225.3524	1.885505	1.101215	460.6441	61.66414	23.87884	0.197926	0.777226
225.4137	1.885513	1.101219	460.6503	61.66439	23.87894	0.197927	0.777252
225.475	1.885521	1.101224	460.6564	61.66464	23.87904	0.197928	0.777278
225.5363	1.885529	1.101228	460.6625	61.66489	23.87914	0.197929	0.777304
225.5975	1.885537	1.101233	460.6687	61.66514	23.87924	0.197929	0.77733
225.6588	1.885544	1.101237	460.6748	61.66538	23.87934	0.19793	0.777357
225.7201	1.885552	1.101242	460.6809	61.66563	23.87944	0.197931	0.777383
225.7814	1.88556	1.101246	460.687	61.66588	23.87954	0.197932	0.777409
225.8427	1.885568	1.10125	460.6931	61.66613	23.87963	0.197933	0.777435
225.904	1.885575	1.101255	460.6992	61.66637	23.87973	0.197933	0.777461
225.9653	1.885583	1.101259	460.7053	61.66662	23.87983	0.197934	0.777487
226.0266	1.885591	1.101264	460.7114	61.66687	23.87993	0.197935	0.777513
226.0878	1.885599	1.101268	460.7175	61.66711	23.88003	0.197936	0.777538
226.1491	1.885606	1.101272	460.7235	61.66736	23.88013	0.197937	0.777564
226.2104	1.885614	1.101277	460.7296	61.6676	23.88022	0.197937	0.77759
226.2717	1.885622	1.101281	460.7356	61.66785	23.88032	0.197938	0.777616
226.333	1.885629	1.101286	460.7417	61.66809	23.88042	0.197939	0.777642
226.3943	1.885637	1.10129	460.7477	61.66834	23.88052	0.19794	0.777668
226.4556	1.885645	1.101294	460.7537	61.66858	23.88061	0.19794	0.777693
226.5169	1.885652	1.101299	460.7597	61.66883	23.88071	0.197941	0.777719
226.5781	1.88566	1.101303	460.7657	61.66907	23.88081	0.197942	0.777745
226.6394	1.885668	1.101307	460.7717	61.66931	23.8809	0.197943	0.777771
226.7007	1.885675	1.101312	460.7777	61.66956	23.881	0.197944	0.777796
226.762	1.885683	1.101316	460.7837	61.6698	23.8811	0.197944	0.777822
226.8233	1.88569	1.10132	460.7897	61.67004	23.88119	0.197945	0.777847
226.8846	1.885698	1.101325	460.7957	61.67028	23.88129	0.197946	0.777873
226.9459	1.885706	1.101329	460.8017	61.67053	23.88139	0.197947	0.777899
227.0072	1.885713	1.101333	460.8076	61.67077	23.88148	0.197948	0.777924
227.0684	1.885721	1.101338	460.8136	61.67101	23.88158	0.197948	0.77795
227.1297	1.885728	1.101342	460.8195	61.67125	23.88168	0.197949	0.777975
227.191	1.885736	1.101346	460.8254	61.67149	23.88177	0.19795	0.778001
227.2523	1.885743	1.101351	460.8314	61.67173	23.88187	0.197951	0.778026
227.3136	1.885751	1.101355	460.8373	61.67197	23.88196	0.197951	0.778051
227.3749	1.885758	1.101359	460.8432	61.67221	23.88206	0.197952	0.778077
227.4362	1.885766	1.101363	460.8491	61.67245	23.88215	0.197953	0.778102

227.4974	1.885773	1.101368	460.855	61.67269	23.88225	0.197954	0.778127
227.5587	1.885781	1.101372	460.8609	61.67293	23.88235	0.197954	0.778153
227.62	1.885788	1.101376	460.8668	61.67317	23.88244	0.197955	0.778178
227.6813	1.885796	1.10138	460.8727	61.6734	23.88254	0.197956	0.778203
227.7426	1.885803	1.101385	460.8786	61.67364	23.88263	0.197957	0.778229
227.8039	1.885811	1.101389	460.8844	61.67388	23.88272	0.197958	0.778254
227.8652	1.885818	1.101393	460.8903	61.67412	23.88282	0.197958	0.778279
227.9265	1.885826	1.101397	460.8961	61.67435	23.88291	0.197959	0.778304
227.9877	1.885833	1.101402	460.902	61.67459	23.88301	0.19796	0.778329
228.049	1.885841	1.101406	460.9078	61.67483	23.8831	0.197961	0.778354
228.1103	1.885848	1.10141	460.9136	61.67506	23.8832	0.197961	0.778379
228.1716	1.885855	1.101414	460.9195	61.6753	23.88329	0.197962	0.778404
228.2329	1.885863	1.101418	460.9253	61.67554	23.88338	0.197963	0.778429
228.2942	1.88587	1.101423	460.9311	61.67577	23.88348	0.197964	0.778454
228.3555	1.885878	1.101427	460.9369	61.67601	23.88357	0.197964	0.778479
228.4168	1.885885	1.101431	460.9427	61.67624	23.88367	0.197965	0.778504
228.478	1.885892	1.101435	460.9485	61.67647	23.88376	0.197966	0.778529
228.5393	1.8859	1.101439	460.9542	61.67671	23.88385	0.197967	0.778554
228.6006	1.885907	1.101444	460.96	61.67694	23.88395	0.197967	0.778579
228.6619	1.885914	1.101448	460.9658	61.67718	23.88404	0.197968	0.778604
228.7232	1.885922	1.101452	460.9715	61.67741	23.88413	0.197969	0.778629
228.7845	1.885929	1.101456	460.9773	61.67764	23.88422	0.19797	0.778654
228.8458	1.885936	1.10146	460.983	61.67788	23.88432	0.19797	0.778678
228.907	1.885944	1.101464	460.9888	61.67811	23.88441	0.197971	0.778703
228.9683	1.885951	1.101469	460.9945	61.67834	23.8845	0.197972	0.778728
229.0296	1.885958	1.101473	461.0002	61.67857	23.8846	0.197973	0.778752
229.0909	1.885965	1.101477	461.0059	61.6788	23.88469	0.197973	0.778777
229.1522	1.885973	1.101481	461.0116	61.67904	23.88478	0.197974	0.778802
229.2135	1.88598	1.101485	461.0173	61.67927	23.88487	0.197975	0.778826
229.2748	1.885987	1.101489	461.023	61.6795	23.88496	0.197976	0.778851
229.3361	1.885994	1.101493	461.0287	61.67973	23.88506	0.197976	0.778876
229.3973	1.886002	1.101497	461.0344	61.67996	23.88515	0.197977	0.7789
229.4586	1.886009	1.101501	461.0401	61.68019	23.88524	0.197978	0.778925
229.5199	1.886016	1.101506	461.0458	61.68042	23.88533	0.197979	0.778949
229.5812	1.886023	1.10151	461.0514	61.68065	23.88542	0.197979	0.778974
229.6425	1.88603	1.101514	461.0571	61.68088	23.88551	0.19798	0.778998
229.7038	1.886038	1.101518	461.0627	61.68111	23.8856	0.197981	0.779023
229.7651	1.886045	1.101522	461.0684	61.68133	23.8857	0.197981	0.779047
229.8264	1.886052	1.101526	461.074	61.68156	23.88579	0.197982	0.779071
229.8876	1.886059	1.10153	461.0796	61.68179	23.88588	0.197983	0.779096
229.9489	1.886066	1.101534	461.0852	61.68202	23.88597	0.197984	0.77912
230.0102	1.886073	1.101538	461.0909	61.68225	23.88606	0.197984	0.779144
230.0715	1.88608	1.101542	461.0965	61.68247	23.88615	0.197985	0.779169
230.1328	1.886088	1.101546	461.1021	61.6827	23.88624	0.197986	0.779193
230.1941	1.886095	1.10155	461.1077	61.68293	23.88633	0.197987	0.779217
230.2554	1.886102	1.101554	461.1132	61.68315	23.88642	0.197987	0.779241
230.3166	1.886109	1.101558	461.1188	61.68338	23.88651	0.197988	0.779266

230.3779	1.886116	1.101562	461.1244	61.6836	23.8866	0.197989	0.77929
230.4392	1.886123	1.101567	461.13	61.68383	23.88669	0.197989	0.779314
230.5005	1.88613	1.101571	461.1355	61.68406	23.88678	0.19799	0.779338
230.5618	1.886137	1.101575	461.1411	61.68428	23.88687	0.197991	0.779362
230.6231	1.886144	1.101579	461.1466	61.68451	23.88696	0.197992	0.779386
230.6844	1.886151	1.101583	461.1522	61.68473	23.88705	0.197992	0.77941
230.7457	1.886158	1.101587	461.1577	61.68495	23.88714	0.197993	0.779434
230.8069	1.886165	1.101591	461.1632	61.68518	23.88723	0.197994	0.779458
230.8682	1.886172	1.101595	461.1688	61.6854	23.88732	0.197995	0.779482
230.9295	1.886179	1.101599	461.1743	61.68563	23.88741	0.197995	0.779506
230.9908	1.886186	1.101603	461.1798	61.68585	23.8875	0.197996	0.77953
231.0521	1.886193	1.101607	461.1853	61.68607	23.88758	0.197997	0.779554
231.1134	1.8862	1.10161	461.1908	61.68629	23.88767	0.197997	0.779578
231.1747	1.886207	1.101614	461.1963	61.68652	23.88776	0.197998	0.779602
231.236	1.886214	1.101618	461.2017	61.68674	23.88785	0.197999	0.779625
231.2972	1.886221	1.101622	461.2072	61.68696	23.88794	0.198	0.779649
231.3585	1.886228	1.101626	461.2127	61.68718	23.88803	0.198	0.779673
231.4198	1.886235	1.10163	461.2181	61.6874	23.88812	0.198001	0.779697
231.4811	1.886242	1.101634	461.2236	61.68762	23.8882	0.198002	0.77972
231.5424	1.886249	1.101638	461.2291	61.68785	23.88829	0.198002	0.779744
231.6037	1.886256	1.101642	461.2345	61.68807	23.88838	0.198003	0.779768
231.665	1.886263	1.101646	461.2399	61.68829	23.88847	0.198004	0.779792
231.7263	1.88627	1.10165	461.2454	61.68851	23.88855	0.198005	0.779815
231.7875	1.886277	1.101654	461.2508	61.68873	23.88864	0.198005	0.779839
231.8488	1.886283	1.101658	461.2562	61.68895	23.88873	0.198006	0.779862
231.9101	1.88629	1.101662	461.2616	61.68917	23.88882	0.198007	0.779886
231.9714	1.886297	1.101666	461.267	61.68938	23.8889	0.198007	0.779909
232.0327	1.886304	1.10167	461.2724	61.6896	23.88899	0.198008	0.779933
232.094	1.886311	1.101673	461.2778	61.68982	23.88908	0.198009	0.779956
232.1553	1.886318	1.101677	461.2832	61.69004	23.88917	0.198009	0.77998
232.2165	1.886325	1.101681	461.2886	61.69026	23.88925	0.19801	0.780003
232.2778	1.886331	1.101685	461.294	61.69048	23.88934	0.198011	0.780027
232.3391	1.886338	1.101689	461.2993	61.69069	23.88943	0.198012	0.78005
232.4004	1.886345	1.101693	461.3047	61.69091	23.88951	0.198012	0.780074
232.4617	1.886352	1.101697	461.31	61.69113	23.8896	0.198013	0.780097
232.523	1.886359	1.101701	461.3154	61.69134	23.88969	0.198014	0.78012
232.5843	1.886365	1.101705	461.3207	61.69156	23.88977	0.198014	0.780144
232.6456	1.886372	1.101708	461.3261	61.69178	23.88986	0.198015	0.780167
232.7068	1.886379	1.101712	461.3314	61.69199	23.88994	0.198016	0.78019
232.7681	1.886386	1.101716	461.3367	61.69221	23.89003	0.198016	0.780213
232.8294	1.886393	1.10172	461.342	61.69242	23.89012	0.198017	0.780237
232.8907	1.886399	1.101724	461.3474	61.69264	23.8902	0.198018	0.78026
232.952	1.886406	1.101728	461.3527	61.69285	23.89029	0.198018	0.780283
233.0133	1.886413	1.101731	461.358	61.69307	23.89037	0.198019	0.780306
233.0746	1.886419	1.101735	461.3633	61.69328	23.89046	0.19802	0.780329
233.1359	1.886426	1.101739	461.3685	61.6935	23.89054	0.198021	0.780352
233.1971	1.886433	1.101743	461.3738	61.69371	23.89063	0.198021	0.780375

233.2584	1.88644	1.101747	461.3791	61.69393	23.89071	0.198022	0.780398
233.3197	1.886446	1.101751	461.3844	61.69414	23.8908	0.198023	0.780421
233.381	1.886453	1.101754	461.3896	61.69435	23.89088	0.198023	0.780444
233.4423	1.88646	1.101758	461.3949	61.69457	23.89097	0.198024	0.780467
233.5036	1.886466	1.101762	461.4001	61.69478	23.89105	0.198025	0.78049
233.5649	1.886473	1.101766	461.4054	61.69499	23.89114	0.198025	0.780513
233.6261	1.88648	1.10177	461.4106	61.6952	23.89122	0.198026	0.780536
233.6874	1.886486	1.101773	461.4159	61.69542	23.89131	0.198027	0.780559
233.7487	1.886493	1.101777	461.4211	61.69563	23.89139	0.198027	0.780582
233.81	1.8865	1.101781	461.4263	61.69584	23.89148	0.198028	0.780605
233.8713	1.886506	1.101785	461.4315	61.69605	23.89156	0.198029	0.780628
233.9326	1.886513	1.101788	461.4367	61.69626	23.89165	0.198029	0.78065
233.9939	1.886519	1.101792	461.4419	61.69647	23.89173	0.19803	0.780673
234.0552	1.886526	1.101796	461.4471	61.69668	23.89181	0.198031	0.780696
234.1164	1.886533	1.1018	461.4523	61.69689	23.8919	0.198031	0.780719
234.1777	1.886539	1.101803	461.4575	61.6971	23.89198	0.198032	0.780741
234.239	1.886546	1.101807	461.4627	61.69731	23.89206	0.198033	0.780764
234.3003	1.886552	1.101811	461.4679	61.69752	23.89215	0.198033	0.780787
234.3616	1.886559	1.101815	461.473	61.69773	23.89223	0.198034	0.780809
234.4229	1.886566	1.101818	461.4782	61.69794	23.89231	0.198035	0.780832
234.4842	1.886572	1.101822	461.4834	61.69815	23.8924	0.198035	0.780855
234.5455	1.886579	1.101826	461.4885	61.69836	23.89248	0.198036	0.780877
234.6067	1.886585	1.10183	461.4937	61.69857	23.89256	0.198037	0.7809
234.668	1.886592	1.101833	461.4988	61.69878	23.89265	0.198037	0.780922
234.7293	1.886598	1.101837	461.5039	61.69898	23.89273	0.198038	0.780945
234.7906	1.886605	1.101841	461.5091	61.69919	23.89281	0.198039	0.780967
234.8519	1.886611	1.101844	461.5142	61.6994	23.8929	0.198039	0.78099
234.9132	1.886618	1.101848	461.5193	61.69961	23.89298	0.19804	0.781012
234.9745	1.886624	1.101852	461.5244	61.69981	23.89306	0.198041	0.781035
235.0358	1.886631	1.101856	461.5295	61.70002	23.89314	0.198041	0.781057
235.097	1.886637	1.101859	461.5346	61.70023	23.89323	0.198042	0.781079
235.1583	1.886644	1.101863	461.5397	61.70043	23.89331	0.198043	0.781102
235.2196	1.88665	1.101867	461.5448	61.70064	23.89339	0.198043	0.781124
235.2809	1.886657	1.10187	461.5499	61.70085	23.89347	0.198044	0.781146
235.3422	1.886663	1.101874	461.555	61.70105	23.89355	0.198045	0.781169
235.4035	1.88667	1.101878	461.5601	61.70126	23.89364	0.198045	0.781191
235.4648	1.886676	1.101881	461.5651	61.70146	23.89372	0.198046	0.781213
235.526	1.886682	1.101885	461.5702	61.70167	23.8938	0.198047	0.781235
235.5873	1.886689	1.101889	461.5752	61.70187	23.89388	0.198047	0.781257
235.6486	1.886695	1.101892	461.5803	61.70208	23.89396	0.198048	0.78128
235.7099	1.886702	1.101896	461.5853	61.70228	23.89404	0.198049	0.781302
235.7712	1.886708	1.101899	461.5903	61.70248	23.89412	0.198049	0.781324
235.8325	1.886714	1.101903	461.5952	61.70268	23.8942	0.19805	0.781346
235.8938	1.886721	1.101907	461.6002	61.70288	23.89428	0.198051	0.781368
235.9551	1.886727	1.10191	461.6052	61.70309	23.89436	0.198051	0.78139
236.0163	1.886733	1.101914	461.6101	61.70329	23.89444	0.198052	0.781412
236.0776	1.886739	1.101917	461.6151	61.70349	23.89452	0.198053	0.781434

236.1389	1.886746	1.101921	461.62	61.70369	23.8946	0.198053	0.781456
236.2002	1.886752	1.101925	461.625	61.70389	23.89468	0.198054	0.781478
236.2615	1.886758	1.101928	461.6299	61.70409	23.89476	0.198055	0.7815
236.3228	1.886765	1.101932	461.6348	61.70429	23.89484	0.198055	0.781522
236.3841	1.886771	1.101935	461.6398	61.70449	23.89492	0.198056	0.781544
236.4454	1.886777	1.101939	461.6447	61.70469	23.895	0.198056	0.781566
236.5066	1.886783	1.101942	461.6496	61.70489	23.89508	0.198057	0.781588
236.5679	1.88679	1.101946	461.6545	61.70508	23.89516	0.198058	0.781609
236.6292	1.886796	1.101949	461.6594	61.70528	23.89524	0.198058	0.781631
236.6905	1.886802	1.101953	461.6643	61.70548	23.89532	0.198059	0.781653
236.7518	1.886808	1.101957	461.6692	61.70568	23.8954	0.19806	0.781675
236.8131	1.886814	1.10196	461.6741	61.70588	23.89548	0.19806	0.781697
236.8744	1.886821	1.101964	461.6789	61.70607	23.89556	0.198061	0.781718
236.9356	1.886827	1.101967	461.6838	61.70627	23.89563	0.198062	0.78174
236.9969	1.886833	1.101971	461.6887	61.70647	23.89571	0.198062	0.781762
237.0582	1.886839	1.101974	461.6935	61.70667	23.89579	0.198063	0.781783
237.1195	1.886845	1.101978	461.6984	61.70686	23.89587	0.198063	0.781805
237.1808	1.886851	1.101981	461.7032	61.70706	23.89595	0.198064	0.781827
237.2421	1.886858	1.101985	461.7081	61.70726	23.89603	0.198065	0.781848
237.3034	1.886864	1.101988	461.7129	61.70745	23.8961	0.198065	0.78187
237.3647	1.88687	1.101992	461.7177	61.70765	23.89618	0.198066	0.781891
237.4259	1.886876	1.101995	461.7226	61.70784	23.89626	0.198067	0.781913
237.4872	1.886882	1.101999	461.7274	61.70804	23.89634	0.198067	0.781934
237.5485	1.886888	1.102002	461.7322	61.70823	23.89642	0.198068	0.781956
237.6098	1.886894	1.102006	461.737	61.70843	23.89649	0.198069	0.781977
237.6711	1.886901	1.102009	461.7418	61.70862	23.89657	0.198069	0.781999
237.7324	1.886907	1.102013	461.7466	61.70882	23.89665	0.19807	0.78202
237.7937	1.886913	1.102016	461.7514	61.70901	23.89673	0.19807	0.782041
237.855	1.886919	1.102019	461.7561	61.7092	23.8968	0.198071	0.782063
237.9162	1.886925	1.102023	461.7609	61.7094	23.89688	0.198072	0.782084
237.9775	1.886931	1.102026	461.7657	61.70959	23.89696	0.198072	0.782106
238.0388	1.886937	1.10203	461.7704	61.70978	23.89703	0.198073	0.782127
238.1001	1.886943	1.102033	461.7752	61.70998	23.89711	0.198073	0.782148
238.1614	1.886949	1.102037	461.7799	61.71017	23.89719	0.198074	0.782169
238.2227	1.886955	1.10204	461.7847	61.71036	23.89726	0.198075	0.782191
238.284	1.886961	1.102044	461.7894	61.71055	23.89734	0.198075	0.782212
238.3453	1.886967	1.102047	461.7942	61.71074	23.89742	0.198076	0.782233
238.4065	1.886973	1.10205	461.7989	61.71094	23.89749	0.198077	0.782254
238.4678	1.886979	1.102054	461.8036	61.71113	23.89757	0.198077	0.782275
238.5291	1.886985	1.102057	461.8083	61.71132	23.89765	0.198078	0.782297
238.5904	1.886991	1.102061	461.813	61.71151	23.89772	0.198078	0.782318
238.6517	1.886997	1.102064	461.8177	61.7117	23.8978	0.198079	0.782339
238.713	1.887003	1.102067	461.8224	61.71189	23.89787	0.19808	0.78236
238.7743	1.887009	1.102071	461.8271	61.71208	23.89795	0.19808	0.782381
238.8355	1.887015	1.102074	461.8318	61.71227	23.89803	0.198081	0.782402
238.8968	1.887021	1.102078	461.8365	61.71246	23.8981	0.198081	0.782423
238.9581	1.887027	1.102081	461.8412	61.71265	23.89818	0.198082	0.782444

239.0194	1.887033	1.102084	461.8458	61.71284	23.89825	0.198083	0.782465
239.0807	1.887039	1.102088	461.8505	61.71303	23.89833	0.198083	0.782486
239.142	1.887045	1.102091	461.8552	61.71322	23.8984	0.198084	0.782507
239.2033	1.887051	1.102094	461.8598	61.7134	23.89848	0.198084	0.782528
239.2646	1.887056	1.102098	461.8645	61.71359	23.89855	0.198085	0.782549
239.3258	1.887062	1.102101	461.8691	61.71378	23.89863	0.198086	0.782569
239.3871	1.887068	1.102105	461.8737	61.71397	23.8987	0.198086	0.78259
239.4484	1.887074	1.102108	461.8784	61.71416	23.89878	0.198087	0.782611
239.5097	1.88708	1.102111	461.883	61.71434	23.89885	0.198088	0.782632
239.571	1.887086	1.102115	461.8876	61.71453	23.89893	0.198088	0.782653
239.6323	1.887092	1.102118	461.8922	61.71472	23.899	0.198089	0.782673
239.6936	1.887098	1.102121	461.8968	61.7149	23.89908	0.198089	0.782694
239.7549	1.887103	1.102125	461.9014	61.71509	23.89915	0.19809	0.782715
239.8161	1.887109	1.102128	461.906	61.71528	23.89922	0.198091	0.782736
239.8774	1.887115	1.102131	461.9106	61.71546	23.8993	0.198091	0.782756
239.9387	1.887121	1.102135	461.9152	61.71565	23.89937	0.198092	0.782777