

## **Supplementary Information**

As required by this Journal, the data supporting this article have been included as part of the Supplementary Information.

**Figure 1**

Length (um)	Diameter (nm)
1.14027	54.484
1.34483	58.027
1.04598	57.173
1.09201	43.299
1.06208	54.429
1.06897	44.676
1.12442	53.791
1.07832	58.055
1.05066	54.85
1.16186	55.849
1.06007	58.99
1.05986	56.071
1.23726	54.858
1.35886	53.291
1.02759	58.603
1.35506	56.652
1.35107	57.444
1.0069	45.516
1.48736	46.097
1.12874	55.494
1.15632	54.779
1.10346	50.272
1.35161	51.608
1.17471	50.727
1.94737	54.645
1.89474	54.801
1.87368	57.268
1.82632	56.608
1.8	58.671
1.43684	54.572
1.47368	58.343
1.41579	52.675
1.37895	54.944
1.84737	51.919
1.38947	41.803
1.40526	45.849
1.71053	52.235
1.9	49.07
1.34241	51.579
1.47368	59.057
1.55263	53.728
1.80526	47.186
1.40526	46.989
1.38947	54.826
1.43684	58.721
1.51053	49.201
1.77895	47.406
1.42632	50.154

1.61053	50.867
1.27895	51.018
1.49474	58.031
1.58421	46.298
1.34737	59.551
1.47895	50.913
1.72632	52.144
1.58421	53.371
1.39474	48.507
1.43158	47.401
1.53158	55.659
1.47368	54.954
1.41579	48.206
1.46842	57.824
1.44211	50.705
1.65789	53.83
1.53684	54.755
1.43158	53.63
1.46842	53.787
1.51053	50.761
1.48421	56.406
1.16316	54.598
1.4	52.327
1.30526	50.597
1.35789	53.866
1.41053	58.367
1.48421	56.687
1.35895	52.065
1.75789	40.951
1.50526	50.376
1.49474	52.112
1.28947	55.262
1.57143	48.089
1.88	50.879
1.36038	46.039
1.35429	50.109
1.86286	55.986
1.72	43.122
1.35437	49.678
1.65714	48.146
1.71429	59.534
1.70881	53.092
1.66857	53.078
1.83429	50.883
1.66286	54.531
1.64	56.27
1.60571	56.906
1.53143	51.998
1.6	43.519
1.35429	55.782

1.43429	41.022
1.35657	53.652
1.62857	53.935
1.73143	59.169
1.35714	45.799
1.85714	51.119
1.65368	53.561
1.61143	46.873
1.34343	50.633
1.6	48.434
1.72	52.099
1.72571	56.531
1.66286	47.758
1.37429	53.532
1.54857	57.742
1.6	53.674
1.56	54.022
1.64571	52.508
1.31429	50.243
1.4	48.491
1.38974	48.519
1.61538	60.761
1.58974	48.519
1.68718	52.926
1.53846	57.237
1.33846	43.435
1.49744	52.122
1.46154	54.629
1.50769	55.48
1.35385	48.907
1.37436	51.953
1.38462	50.395
1.30256	52.677
1.43077	50.187
1.20513	45.425
1.37436	48.079
1.58462	51.888
1.64103	41.741
1.49744	57.578
1.50769	56.93
1.53333	51.323
1.49231	51.941
1.55385	55.182
1.48718	44.898
1.51795	47.883
1.58462	47.114
1.55385	51.421
1.52821	50.345
1.27606	50.687
1.29296	56.594

1.54648	50.68
1.41549	50.387
1.5	51.018
1.59296	51.406
1.69014	50.617
1.66479	51.484
1.72817	50.026
1.70704	54.113
1.75352	52.441
1.72394	53.324
1.77465	54.302
1.57606	52.6
1.64366	50.033
1.60141	58.869
1.67746	51.89
1.66479	51.258
1.56338	51.207
1.5338	57.361
1.41972	47.923
1.55915	49.62
1.61408	42.279
1.65634	44.907
1.66479	54.177
1.55915	46.92
1.64789	49.575
1.76197	46.64
1.43239	44.251
1.55915	43.911
1.49155	44.395
1.60141	48.249
1.67324	42.292
1.45042	56.842
1.71795	54.135
1.62564	52.83
1.44615	53.701
1.38974	47.641
1.3641	49.121
1.26667	44.438
1.82051	47.306
1.27692	50.292
1.62051	50.393
1.2359	51.895
1.44615	51.393
1.4359	50.363
1.6	52.974
1.54872	43.083
1.72821	51.386
1.43333	47.632
1.54359	44.312
1.54359	48.855

1.17949	51.825
1.79487	52.684
1.53333	47.757
1.54154	53.624
1.53946	52.263
1.52308	49.254
1.33846	52.524
1.24615	48.699
1.40513	47.914
1.45641	46.209
1.54444	46.936
1.31579	49.254
1.41053	47.053
1.47368	52.422
1.36316	52.938
1.21053	47.121
1.61053	45.498
1.5	46.054
1.4	51.126
1.37895	52.404
1.34211	48.957
1.41579	46.624
1.41053	47.678
1.71579	52.215
1.24737	51.67795
1.25474	50.285
0.97421	48.328
1.27895	36.878
1.37368	45.171
1.48421	42.866
1.44211	50.737
1.25789	40.677
1.26316	48.157
1.28158	54.474
1.15211	45.342
1.45789	44.328
1.34737	46.429
1.28421	44.931
1.15263	46.429
1.56316	40.399
1.28421	48.0135
1.53684	40.119
1.24156	42.761
0.98442	37.668
1.16883	48.348
1.15325	48.891
1.43896	51.861
1.32987	52.72
1.37792	48.793
1.35201	50.66

1.23117	47.299
1.29351	45.29
1.31169	48.56
1.18442	38.735
1.21558	45.95
1.37143	53.245
1.45013	50.972
1.25714	48.29
1.24675	37.089
1.08935	42.458
1.43571	35.974
1.22078	48.157
1.15325	50.534
1.19481	48.09
1.15325	42.162
1.13247	48.44
1.44156	48.993
1.14805	45.66
1.44714	47.714
1.19481	45.251
1.24156	44.28
1.22597	50.832
1.63636	40.152
1.53247	46.348
1.47532	55.464
1.26234	44.891
1.2987	48.731
1.27536	40.152
1.22509	41.8
1.25536	46.348
1.15001	63.195
1.25536	63.195
1.42032	45.513
1.16517	40.316
1.26525	54.726
1.38501	50.554
1.24516	44.644
1.55505	43.6
1.5802	45.611
1.22009	42.897
1.48008	38.774
1.05501	51.659
1.30535	41.139
1.3655	45.469
1.55752	44.974
1.61503	49.461
1.43043	43.703
1.43071	44.726
1.36545	47.128
1.58007	42.513

1.18526	48.272
1.35651	50.201
1.32555	45.44
	38.113
	40.36
	44.546
	45.688
	44.615
	44.743
	46.179
	41.864
	45.075
	41.693
	41.645
	37.459
	43.585
	45.739
	42.348
	42.585
	38.144
	40.151
	47.596
	47.117
	48.466
	44.543
	40.632
	42.269
	40.446
	42.626
	50.304
	42.466
41.05308	61.17
	54.908
	47.001
	42.684
	47.191
	56.223
	51.782
	58.963
	50.791
	53.041
	65.713
	61.573
	59.54
	53.98
	54.446
	59.168
	60.885
	58.182



47.451  
53.598  
50.298  
57.188  
48.84  
46.864  
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49.156  
62.193  
56.494

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62.442  
58.40731  
34.185  
50.125  
50.472  
47.257  
48.023  
46.983  
45.762  
51.67795

**Figure 2**

2theta	Int (as-dep)	2theta	Int (annealed)
30	0.04126	35.0117	0.02228
30.02	0.02286	35.0313	-0.01136
30.04	0.04578	35.051	0.00559
30.06	0.0199	35.0707	0.00144
30.08	0.02725	35.0903	0.04122
30.1	0.00376	35.1296	-0.00184
30.12	0.04554	35.1493	-0.02181
30.14	0.00978	35.1689	-0.03918
30.16	0.05994	35.1886	-0.02619
30.18	0.02119	35.2082	0.01535
30.2	0.01776	35.2279	0.03099
30.22	0.03619	35.2475	-0.01803
30.24	0.03006	35.2672	0.01299
30.26	0.0431	35.2868	0.01936
30.28	0.05464	35.3065	-0.00414
30.3	0.03325	35.3262	-0.03071
30.32	0.03611	35.3458	0.02226
30.34	0.04915	35.3655	0.03262
30.36	0.04363	35.3851	0.0069
30.38	0.03331	35.4048	0.04935
30.4	0.04216	35.4244	0.01835
30.42	0.02526	35.4441	0.00101
30.44	0.02064	35.4637	-0.01943
30.46	0.01302	35.4834	5.95E-04
30.48	0.03085	35.503	0.03334
30.5	0.05496	35.5227	0.02963
30.52	0.02369	35.5423	0.06106
30.54	0.00919	35.5817	0.01979
30.56	0.0369	35.6013	0.0433
30.58	0.03257	35.621	-0.00393
30.6	0.04381	35.6406	0.05124
30.62	0.01763	35.6603	0.04401
30.64	0.0139	35.6799	-0.02083
30.66	0.05179	35.7192	-0.03927
30.68	0.04028	35.7389	-0.0065
30.7	0.04554	35.7585	0.11197
30.72	0.02355	35.7978	0.01396
30.74	0.027	35.8765	0.05316
30.76	0.01908	35.8961	0.06261
30.78	0.03931	35.9158	-4.45E-04
30.8	0.03049	35.9354	0.0512
30.82	0.03724	35.9551	0.01584
30.84	0.02693	35.9747	0.03936
30.86	0.02231	35.9944	0.06466
30.88	0.05061	36.014	-0.01953

30.9	0.04269	36.0337	0.04446
30.92	0.04855	36.073	0.02075
30.94	0.0559	36.0926	0.02404
30.96	0.03301	36.1123	-0.0355
30.98	0.05294	36.1516	0.00101
31	0.04921	36.1713	0.04522
31.02	0.04518	36.1909	0.06917
31.04	0.02888	36.2302	-0.0029
31.06	0.03174	36.2499	0.0224
31.08	0.06095	36.2695	0.04592
31.1	0.04644	36.3088	-0.03099
31.12	0.04601	36.3285	0.02904
31.14	0.0342	36.3481	-0.00459
31.16	0.0155	36.3678	0.04049
31.18	0.0465	36.3875	0.02887
31.2	0.03559	36.4071	0.04623
31.22	0.0157	36.4268	0.05966
31.24	0.02574	36.4464	0.01988
31.26	0.04776	36.4661	0.0654
31.28	0.03655	36.4857	-0.01131
31.3	0.05138	36.5054	-0.00359
31.32	0.04257	36.5447	-0.02072
31.34	0.0113	36.5643	0.01994
31.36	0.05667	36.6036	0.01117
31.38	0.03288	36.6233	0.04439
31.4	0.02257	36.643	2.37E-04
31.42	0.04369	36.6626	-0.01713
31.44	0.06092	36.7216	0.04292
31.46	0.06857	36.7412	-0.00258
31.48	0.06335	36.7609	0.02448
31.5	0.03747	36.7805	-0.00344
31.52	0.04871	36.8002	0.0522
31.54	0.07911	36.8198	0.04846
31.56	0.05892	36.8395	-0.01592
31.58	0.09771	36.8591	0.01683
31.6	0.12631	36.8788	0.0118
31.62	0.1175	36.8984	0.03136
31.64	0.11107	36.9181	8.34E-04
31.66	0.08609	36.9378	-0.03629
31.68	0.08476	36.9771	2.23E-04
31.7	0.07714	36.9967	0.01802
31.72	0.05515	37.0164	0.04465
31.74	0.03765	37.036	0.05497
31.76	0.06237	37.0557	0.0539
31.78	0.05115	37.0753	0.01235
31.8	0.04204	37.095	-0.0274
31.82	0.03502	37.1146	0.02249

31.84	0.02889	37.1343	0.05043
31.86	0.03265	37.1539	0.00449
31.88	0.03072	37.1736	0.02012
31.9	0.04646	37.1933	-0.0214
31.92	0.04782	37.2129	0.02981
31.94	0.03451	37.2326	-0.00159
31.96	0.03288	37.2522	0.00741
31.98	0.03424	37.2719	0.00854
32	0.05985	37.3112	-0.00375
32.02	0.04715	37.3308	0.01449
32.04	0.03983	37.3505	0.04068
32.06	0.02442	37.3701	0.00572
32.08	0.05812	37.3898	-0.00282
32.1	0.07505	37.4094	0.03476
32.12	0.03629	37.4291	-0.01159
32.14	0.04664	37.4488	-0.01706
32.16	0.06088	37.4684	0.01305
32.18	0.04218	37.5274	0.07574
32.2	0.03546	37.547	0.00386
32.22	0.01975	37.5667	0.01774
32.24	0.05704	37.606	0.0604
32.26	0.04823	37.6256	-0.01807
32.28	0.04151	37.6453	-0.01783
32.3	0.03868	37.6649	-0.00618
32.32	0.03435	37.6846	-0.00857
32.34	0.00937	37.7043	0.01014
32.36	0.05714	37.7436	0.01236
32.38	0.04772	37.7632	-0.02303
32.4	0.03531	37.8222	0.04581
32.42	0.04955	37.8615	-0.01967
32.44	0.02247	37.8811	-5.47E-04
32.46	0.0406	37.9008	-3.01E-04
32.48	0.01651	37.9204	0.00915
32.5	0.03434	37.9401	-0.00643
32.52	0.04858	37.9597	0.01796
32.54	0.03677	37.9794	-0.03015
32.56	0.0546	37.9991	0.05714
32.58	0.02273	38.0384	0.04178
32.6	0.03816	38.058	0.0521
32.62	0.02515	38.0777	-0.01008
32.64	0.02921	38.0973	0.05652
32.66	0.02608	38.117	0.07787
32.68	0.03433	38.1366	0.06622
32.7	0.0327	38.1563	0.04844
32.72	0.03616	38.1759	-0.00454
32.74	0.04171	38.2152	0.05439
32.76	0.04577	38.2349	0.05684

32.78	0.03935	38.2546	0.01092
32.8	0.01825	38.2939	0.00987
32.82	0.02141	38.3135	-8.80E-04
32.84	0.05571	38.3332	0.00904
32.86	0.03252	38.3725	0.09174
32.88	0.04706	38.3921	-0.00737
32.9	0.03644	38.4118	0.08212
32.92	0.04499	38.4314	0.08588
32.94	0.03528	38.4511	0.02371
32.96	0.04772	38.4707	-0.00374
32.98	0.02393	38.4904	0.03651
33	0.05284	38.5101	-0.00764
33.02	0.04731	38.5887	0.03599
33.04	0.03161	38.6083	0.02656
33.06	0.06261	38.628	-4.45E-04
33.08	0.03823	38.6476	0.00288
33.1	0.04648	38.6673	0.04533
33.12	0.03047	38.6869	0.06975
33.14	0.03932	38.7066	0.00889
33.16	0.02661	38.7262	0.01749
33.18	0.03396	38.7459	-0.00732
33.2	0.03952	38.7656	-0.01147
33.22	0.04537	38.7852	0.07318
33.24	0.04823	38.8245	0.04642
33.26	0.0466	38.8442	0.00667
33.28	0.05874	38.8638	0.04384
33.3	0.02747	38.8835	0.00892
33.32	0.03961	38.9031	0.02806
33.34	0.04576	38.9228	0.04238
33.36	0.02497	38.9424	0.00834
33.38	0.02963	38.9621	0.05211
33.4	0.02051	38.9817	0.06114
33.42	0.05061	39.0014	0.03589
33.44	0.04659	39.021	0.01548
33.46	0.03328	39.0407	0.05837
33.48	0.0565	39.0604	0.03224
33.5	0.04229	39.08	0.01666
33.52	0.03467	39.0997	0.04724
33.54	0.04981	39.1193	0.00484
33.56	0.05177	39.1586	0.0194
33.58	0.03038	39.1783	0.08472
33.6	0.04132	39.1979	0.01242
33.62	0.0367	39.2176	-9.55E-04
33.64	0.04465	39.2372	0.03578
33.66	0.03852	39.2765	-0.03143
33.68	0.0336	39.2962	0.03784
33.7	0.02149	39.3355	0.00888

33.72	0.01237	39.3552	0.00209
33.74	0.02242	39.3748	0.01421
33.76	0.04504	39.3945	0.03775
33.78	0.03472	39.4141	0.05251
33.8	0.05345	39.4338	0.04572
33.82	0.02966	39.4534	0.01563
33.84	0.03522	39.4731	0.01236
33.86	0.0273	39.5124	0.00231
33.88	0.03555	39.532	0.06278
33.9	0.02733	39.6107	0.01321
33.92	0.01013	39.6303	0.01961
33.94	0.04053	39.65	0.00975
33.96	0.03741	39.6696	0.0434
33.98	0.03308	39.7089	-0.02116
34	0.02696	39.7482	0.03472
34.02	0.06125	39.7679	0.07234
34.04	0.03956	39.7875	0.02246
34.06	0.03673	39.8072	0.04953
34.08	0.01115	39.8269	0.03176
34.1	0.03916	39.8465	0.01398
34.12	0.04411	39.9055	0.00373
34.14	0.02482	39.9251	0.01144
34.16	0.02858	39.9448	0.07236
34.18	0.02275	39.9644	0.00798
34.2	0.02082	39.9841	0.09395
34.22	0.03087	40.0037	0.00452
34.24	0.04391	40.0234	0.01004
34.26	0.04467	40.043	0.05249
34.28	0.04903	40.0627	0.01405
34.3	0.0471	40.0823	0.11848
34.32	0.00145	40.102	0.06598
34.34	0.05731	40.1217	0.20339
34.36	0.02663	40.1413	0.12714
34.38	0.03069	40.161	0.14409
34.4	0.02936	40.1806	0.22786
34.42	0.04749	40.2003	0.33098
34.44	0.04825	40.2199	0.31056
34.46	0.02686	40.2396	0.38467
34.48	0.02942	40.2592	0.36029
34.5	0.03707	40.2789	0.35571
34.52	0.03125	40.2985	0.35111
34.54	0.02932	40.3182	0.4195
34.56	0.00613	40.3378	0.41447
34.58	0.03833	40.3575	0.53737
34.6	0.02562	40.3772	0.58686
34.62	0.0189	40.3968	0.62974
34.64	0.04002	40.4165	0.85947

34.66	0.04109	40.4361	0.91554
34.68	0.04005	40.4558	0.95272
34.7	0.02794	40.4754	1
34.72	0.05326	40.4951	0.98267
34.74	0.05163	40.5147	0.97192
34.76	0.03592	40.5344	0.85172
34.78	0.03399	40.554	0.86515
34.8	0.01799	40.5737	0.79022
34.82	0.05259	40.5933	0.77376
34.84	0.02072	40.613	0.61531
34.86	0.03226	40.6327	0.57204
34.88	0.04739	40.6523	0.50195
34.9	0.04636	40.672	0.38174
34.92	0.01748	40.6916	0.34154
34.94	0.05238	40.7113	0.23717
34.96	0.04386	40.7309	0.30819
34.98	0.02247	40.7506	0.19634
35	0.0165	40.7702	0.24494
35.02	0.03014	40.7899	0.16606
35.04	0.02523	40.8095	0.11355
35.06	0.02241	40.8292	0.14017
35.08	0.02797	40.8488	0.1136
35.1	0.0479	40.8685	0.07912
35.12	0.03131	40.8881	0.02881
35.14	0.0246	40.9078	0.02071
35.16	0.03615	40.9275	0.06975
35.18	0.03902	40.9471	0.08187
35.2	0.04698	40.9668	0.14058
35.22	0.01901	40.9864	0.05159
35.24	0.03775	41.0061	0.0303
35.26	0.02684	41.0257	0.09253
35.28	0.0333	41.0454	0.11827
35.3	0.05713	41.065	0.1084
35.32	0.05581	41.0847	0.07129
35.34	0.03143	41.1043	0.05439
35.36	0.04268	41.124	0.02958
35.38	0.05333	41.1436	0.03378
35.4	0.01938	41.1633	0.06832
35.42	0.02135	41.183	0.04922
35.44	0.03949	41.2026	0.08639
35.46	0.05313	41.2223	0.04972
35.48	0.04043	41.2419	0.04425
35.5	0.03791	41.2616	0.11659
35.52	0.01593	41.2812	0.11552
35.54	0.04604	41.3009	0.01993
35.56	0.05221	41.3205	0.13403
35.58	0.04969	41.3402	0.01075



35.6	0.05345	41.3598	0.02902
35.62	0.04644	41.3991	0.10732
35.64	0.04542	41.4385	0.02386
35.66	0.03781	41.4581	0.05268
35.68	0.04367	41.4778	0.07798
35.7	0.03935	41.4974	0.0391
35.72	0.02755	41.5171	0.06353
35.74	0.01455	41.5367	0.06949
35.76	0.03508	41.5564	0.10403
35.78	0.04334	41.576	0.00976
35.8	0.03663	41.6153	0.03838
35.82	0.03022	41.635	0.07732
35.84	0.04207	41.6546	0.1057
35.86	0.04284	41.6743	0.03649
35.88	0.02834	41.694	0.07103
35.9	0.03391	41.7136	0.02116
35.92	0.04755	41.7333	0.05218
35.94	0.03545	41.7529	0.07836
35.96	0.0476	41.7726	0.0452
35.98	0.04838	41.7922	0.09424
36	0.06681	41.8315	0.05648
36.02	0.02956	41.8512	0.01058
36.04	0.03034	41.8708	0.12995
36.06	0.05805	41.8905	0.02074
36.08	0.0705	41.9101	0.09748
36.1	0.04014	41.9298	0.03178
36.12	0.06696	41.9494	0.10193
36.14	0.06743	41.9691	0.09954
36.16	0.03318	41.9888	0.01362
36.18	0.05371	42.0084	0.0398
36.2	0.04999	42.0281	0.09632
36.22	0.07112	42.0477	0.05744
36.24	0.05154	42.0674	0.03307
36.26	0.05321	42.1263	0.04348
36.28	0.07344	42.146	0.09033
36.3	0.05026	42.1656	0.10112
36.32	0.06361	42.1853	0.03279
36.34	0.05001	42.2049	0.02952
36.36	0.04809	42.2246	0.06934
36.38	0.04736	42.2443	0.03442
36.4	0.05592	42.2639	0.07071
36.42	0.0558	42.2836	0.10613
36.44	0.05807	42.3032	0.06197
36.46	0.04626	42.3229	0.07409
36.48	0.04853	42.3425	0.09411
36.5	0.08284	42.3622	0.08074
36.52	0.04978	42.3818	0.06032

36.54	0.05265	42.4015	0.03947
36.56	0.066	42.4211	0.05378
36.58	0.05958	42.4408	0.08128
36.6	0.05826	42.4801	0.07826
36.62	0.04855	42.4998	0.08906
36.64	0.06909	42.5194	0.12359
36.66	0.06297	42.5391	0.07417
36.68	0.04997	42.5587	0.13024
36.7	0.05195	42.5784	0.05488
36.72	0.04643	42.598	0.02742
36.74	0.0496	42.6177	0.13538
36.76	0.04887	42.6373	0.07364
36.78	0.03647	42.657	0.11125
36.8	0.05491	42.6766	0.07985
36.82	0.06257	42.6963	0.08933
36.84	0.03939	42.7159	0.11155
36.86	0.06382	42.7356	0.1118
36.88	0.06429	42.7553	0.14986
36.9	0.06386	42.7749	0.09119
36.92	0.0335	42.7946	0.05803
36.94	0.05643	42.8142	0.04992
36.96	0.06109	42.8339	0.08314
36.98	0.05199	42.8535	0.11328
37	0.05785	42.8732	0.10474
37.02	0.07329	42.8928	0.08784
37.04	0.07167	42.9125	0.08325
37.06	0.07214	42.9321	0.09097
37.08	0.06813	42.9518	0.07319
37.1	0.06321	42.9714	0.05102
37.12	0.0574	42.9911	0.06313
37.14	0.05517	43.0107	0.13987
37.16	0.06463	43.0304	0.07022
37.18	0.05852	43.0501	0.09289
37.2	0.07426	43.0697	0.05313
37.22	0.06904	43.0894	0.05778
37.24	0.06682	43.109	0.08791
37.26	0.0658	43.1483	0.12753
37.28	0.06268	43.168	0.07898
37.3	0.05866	43.1876	0.07703
37.32	0.05718	43.2073	0.12564
37.34	0.05659	43.2269	0.12632
37.36	0.05989	43.2662	0.05384
37.38	0.07188	43.2859	0.09893
37.4	0.0656	43.3056	0.0939
37.42	0.0692	43.3252	0.09986
37.44	0.0749	43.3645	0.10211
37.46	0.08688	43.3842	0.03598

37.48	0.06593	43.4038	0.10041
37.5	0.08929	43.4235	0.07868
37.52	0.08421	43.4431	0.05562
37.54	0.07255	43.4628	0.06598
37.56	0.07854	43.4824	0.05875
37.58	0.07616	43.5217	0.03331
37.6	0.09353	43.5414	0.12104
37.62	0.09384	43.5611	0.087
37.64	0.09235	43.5807	0.12461
37.66	0.08398	43.6004	0.04309
37.68	0.09357	43.62	0.09653
37.7	0.10765	43.6397	0.0515
37.72	0.10406	43.6593	0.13571
37.74	0.09958	43.679	0.09815
37.76	0.08672	43.6986	0.03861
37.78	0.0987	43.7183	0.07007
37.8	0.12116	43.7379	0.09229
37.82	0.11309	43.7576	0.1365
37.84	0.12717	43.7969	0.06798
37.86	0.14844	43.8166	0.11219
37.88	0.14216	43.8559	0.10916
37.9	0.14037	43.8755	0.06017
37.92	0.15325	43.9148	0.14287
37.94	0.16913	43.9345	0.12686
37.96	0.18052	43.9738	0.06844
37.98	0.19969	43.9934	0.0744
38	0.21317	44.0131	0.05882
38.02	0.22036	44.0524	0.04657
38.04	0.22905	44.072	0.04901
38.06	0.25481	44.0917	0.03915
38.08	0.28596	44.1114	0.12776
38.1	0.31351	44.131	0.12273
38.12	0.31472	44.1703	0.04365
38.14	0.30574	44.19	0.0672
38.16	0.35096	44.2096	0.04283
38.18	0.34558	44.2293	0.05495
38.2	0.35098	44.2489	0.07321
38.22	0.3471	44.2686	0.04049
38.24	0.33303	44.2882	0.04249
38.26	0.3525	44.3079	0.12231
38.28	0.33455	44.3275	0.11245
38.3	0.28905	44.3472	0.0573
38.32	0.30822	44.3669	0.14811
38.34	0.30464	44.3865	0.03538
38.36	0.27231	44.4062	0.02464
38.38	0.26424	44.4258	0.08774
38.4	0.25466	44.4455	0.12536

38.42	0.23072	44.4651	0.11286
38.44	0.21696	44.4848	0.06519
38.46	0.20739	44.5044	0.13797
38.48	0.18943	44.5241	0.04282
38.5	0.20561	44.5437	0.02108
38.52	0.19035	44.5634	0.11057
38.54	0.16221	44.583	0.0651
38.56	0.16941	44.6027	0.09612
38.58	0.15325	44.6224	0.07483
38.6	0.12901	44.642	0.06057
38.62	0.14878	44.6617	0.05774
38.64	0.14789	44.6813	0.03732
38.66	0.11975	44.701	0.04592
38.68	0.12904	44.7206	0.06727
38.7	0.1066	44.7403	0.06356
38.72	0.13864	44.7599	0.09677
38.74	0.11799	44.7796	0.04251
38.76	0.11201	44.7992	0.06693
38.78	0.1252	44.8189	0.07422
38.8	0.12281	44.8385	0.10699
38.82	0.10845	44.8582	0.07955
38.84	0.12103	44.8779	0.05122
38.86	0.10338	44.8975	0.09806
38.88	0.12464	44.9172	0.07941
38.9	0.11807	44.9368	0.1179
38.92	0.12346	44.9565	0.12079
38.94	0.10192	44.9958	0.10326
38.96	0.12797	45.0154	0.11801
38.98	0.08696	45.0351	0.10419
39	0.08667	45.0547	0.08993
39.02	0.10794	45.0744	0.1293
39.04	0.09178	45.094	0.0236
39.06	0.11904	45.1137	0.08407
39.08	0.11815	45.1333	0.12476
39.1	0.11396	45.153	0.0494
39.12	0.09661	45.1727	0.08438
39.14	0.11039	45.1923	0.06308
39.16	0.11399	45.212	0.09015
39.18	0.11729	45.2316	0.09391
39.2	0.11581	45.2513	0.08317
39.22	0.10983	45.2709	0.09704
39.24	0.11672	45.2906	0.08454
39.26	0.11463	45.3102	0.07115
39.28	0.11255	45.3299	0.08855
39.3	0.12902	45.3495	0.06593
39.32	0.15209	45.3692	0.06135
39.34	0.12665	45.3888	0.09412

39.36	0.13863	45.4085	0.11415
39.38	0.16199	45.4282	0.0977
39.4	0.1614	45.4478	0.06937
39.42	0.16171	45.4675	0.08808
39.44	0.171	45.4871	0.1169
39.46	0.18358	45.5068	0.07626
39.48	0.17461	45.5264	0.03211
39.5	0.20546	45.5461	0.0706
39.52	0.20337	45.5657	0.04711
39.54	0.21835	45.5854	0.13352
39.56	0.23812	45.605	0.06826
39.58	0.24531	45.6247	0.07554
39.6	0.29053	45.6443	0.01864
39.62	0.30431	45.664	0.11209
39.64	0.3157	45.6837	0.09167
39.66	0.36541	45.7033	0.10554
39.68	0.37919	45.723	0.0592
39.7	0.40225	45.7426	0.05988
39.72	0.45076	45.7623	0.07156
39.74	0.46724	45.7819	0.05378
39.76	0.50407	45.8016	0.06897
39.78	0.57743	45.8212	0.06438
39.8	0.61666	45.8409	0.0598
39.82	0.64182	45.8605	0.0385
39.84	0.67805	45.8802	0.04798
39.86	0.72028	45.9195	0.12892
39.88	0.77148	45.9392	0.03685
39.9	0.84364	45.9785	0.04482
39.92	0.84126	45.9981	0.03803
39.94	0.86821	46.0178	0.10246
39.96	0.89637	46.0374	0.07281
39.98	0.96523	46.0571	0.11702
40	0.97423	46.0767	0.05924
40.02	0.98202	46.0964	0.10301
40.04	0.97604	46.116	0.08347
40.06	1	46.1357	0.11273
40.08	0.98115	46.1553	0.03736
40.1	0.96738	46.175	0.0552
40.12	0.97637	46.1946	0.05237
40.14	0.90004	46.2143	0.05833
40.16	0.8731	46.234	0.05418
40.18	0.81982	46.2536	0.07817
40.2	0.7327	46.2733	0.03006
40.22	0.69739	46.2929	0.01931
40.24	0.6477	46.3126	0.04462
40.26	0.58663	46.3322	0.04618
40.28	0.52855	46.4305	0.08097

40.3	0.53006	46.4501	0.06738
40.32	0.46061	46.4698	0.1149
40.34	0.4208	46.4895	0.11583
40.36	0.37919	46.5091	0.07191
40.38	0.34058	46.5288	0.09393
40.4	0.32143	46.5484	0.11859
40.42	0.32323	46.5681	0.13974
40.44	0.25468	46.5877	0.10769
40.46	0.23613	46.6074	0.16928
40.48	0.18883	46.627	0.1614
40.5	0.22088	46.6467	0.1443
40.52	0.18676	46.6663	0.18787
40.54	0.17688	46.686	0.13076
40.56	0.1712	46.7056	0.2174
40.58	0.16493	46.7253	0.19019
40.6	0.13021	46.745	0.26453
40.62	0.15686	46.7646	0.31337
40.64	0.12903	46.7843	0.27649
40.66	0.13203	46.8039	0.29763
40.68	0.11587	46.8236	0.34383
40.7	0.1045	46.8432	0.27398
40.72	0.08445	46.8629	0.26611
40.74	0.10063	46.8825	0.31011
40.76	0.09196	46.9022	0.44687
40.78	0.09975	46.9218	0.36163
40.8	0.10844	46.9415	0.3797
40.82	0.0818	46.9611	0.38985
40.84	0.07403	46.9808	0.44836
40.86	0.06865	47.0005	0.46028
40.88	0.05728	47.0201	0.47263
40.9	0.07136	47.0398	0.51927
40.92	0.07796	47.0594	0.50348
40.94	0.09204	47.0791	0.48858
40.96	0.09085	47.0987	0.47719
40.98	0.07259	47.1184	0.50581
41	0.08548	47.138	0.50058
41.02	0.07501	47.1577	0.42281
41.04	0.04747	47.1773	0.39296
41.06	0.06754	47.197	0.42641
41.08	0.06096	47.2166	0.34073
41.1	0.07744	47.2363	0.36847
41.12	0.06248	47.2559	0.33554
41.14	0.06099	47.2756	0.36372
41.16	0.05321	47.2953	0.24639
41.18	0.07149	47.3149	0.22401
41.2	0.06162	47.3346	0.24252
41.22	0.0754	47.3542	0.14277

41.24	0.05924	47.3739	0.20216
41.26	0.04907	47.3935	0.2211
41.28	0.05896	47.4132	0.19345
41.3	0.05567	47.4328	0.16404
41.32	0.05359	47.4525	0.14123
41.34	0.05719	47.4721	0.14215
41.36	0.04821	47.4918	0.15934
41.38	0.04104	47.5114	0.17256
41.4	0.05362	47.5311	0.11986
41.42	0.02459	47.5508	0.03813
41.44	0.06382	47.5704	0.12082
41.46	0.0294	47.5901	0.05141
41.48	0.05905	47.6097	0.03035
41.5	0.05007	47.6294	0.08974
41.52	0.06086	47.649	0.16979
41.54	0.04889	47.6687	0.04542
41.56	0.03812	47.6883	0.05865
41.58	0.04412	47.708	0.09782
41.6	0.05191	47.7276	0.06138
41.62	0.04594	47.7473	0.06098
41.64	0.05133	47.7669	0.05091
41.66	0.04955	47.7866	0.0404
41.68	0.04237	47.8063	0.01803
41.7	0.03879	47.8259	0.0695
41.72	0.04119	47.8456	0.0968
41.74	0.02803	47.8652	0.04409
41.76	0.05348	47.8849	0.03447
41.78	0.04242	47.9045	0.06836
41.8	0.02895	47.9242	0.0051
41.82	0.03405	47.9438	-0.01289
41.84	0.03675	47.9635	0.0764
41.86	0.05712	47.9831	0.05534
41.88	0.04066	48.0028	0.06593
41.9	0.07241	48.0224	0.0352
41.92	0.0293	48.0421	0.00623
41.94	0.04967	48.0618	0.0265
41.96	0.04699	48.0814	0.05248
41.98	0.02813	48.1011	0.05516
42	0.03772	48.1207	0.06399
42.02	0.03294	48.1404	0.0891
42.04	0.04253	48.16	0.05616
42.06	0.03865	48.1797	0.07643
42.08	0.04225	48.1993	0.0035
42.1	0.03028	48.219	0.04399
42.12	0.03838	48.2386	0.04754
42.14	0.03599	48.2583	0.13991
42.16	0.02432	48.2779	0.04895

42.18	0.03361	48.2976	0.02833
42.2	0.04709	48.3172	0.00991
42.22	0.02555	48.3369	0.00512
42.24	0.04262	48.3566	-0.00803
42.26	0.03754	48.3762	0.01663
42.28	0.03995	48.3959	0.09669
42.3	0.01451	48.4155	-0.01801
42.32	0.03817	48.4548	0.06604
42.34	0.02919	48.4745	0.01069
42.36	0.04657	48.4941	0.01821
42.38	0.04837	48.5138	0.01254
42.4	0.03042	48.5334	0.03895
42.42	0.04869	48.5531	0.06186
42.44	0.02325	48.5727	0.0641
42.46	0.01368	48.5924	0.05755
42.48	0.04093	48.6121	0.00528
42.5	0.03885	48.6317	0.04357
42.52	0.05382	48.671	0.0841
42.54	0.04455	48.6907	0.02348
42.56	0.0263	48.7103	0.08638
42.58	0.0317	48.73	0.03323
42.6	0.04608	48.7496	0.07108
42.62	0.0368	48.7693	0.01925
42.64	0.0422	48.7889	0.03819
42.66	0.02844	48.8086	0.00219
42.68	0.03773	48.8282	0.02729
42.7	0.03714	48.8479	0.02338
42.72	0.03775	48.8676	0.00452
42.74	0.03836	48.8872	0.0283
42.76	0.02878	48.9069	0.02527
42.78	0.05364	48.9265	0.03014
42.8	0.03209	48.9462	-0.01289
42.82	0.05037	48.9658	0.04342
42.84	0.05247	48.9855	0.04346
42.86	0.03122	49.0051	0.05405
42.88	0.048	49.0248	0.03651
42.9	0.04531	49.0444	0.06337
42.92	0.04592	49.0641	-0.00736
42.94	0.06389	49.0837	0.04675
42.96	0.03007	49.1034	0.07976
42.98	0.04565	49.1231	0.04684
43	0.05434	49.1427	0.0671
43.02	0.04686	49.1624	0.01571
43.04	0.03999	49.182	0.08521
43.06	0.05347	49.2017	0.04393
43.08	0.04629	49.2213	0.01276
43.1	0.0487	49.241	0.03127



43.12	0.05469	49.2606	0.02867
43.14	0.06967	49.2803	0.05817
43.16	0.05052	49.2999	0.0037
43.18	0.05741	49.3196	0.0754
43.2	0.04245	49.3392	0.02445
43.22	0.05534	49.3589	0.01042
43.24	0.04906	49.3785	0.07157
43.26	0.04817	49.3982	0.05491
43.28	0.04698	49.4179	0.02682
43.3	0.0425	49.4375	0.03609
43.32	0.05987	49.4572	0.02998
43.34	0.03443	49.4768	0.0076
43.36	0.0533	49.4965	0.03798
43.38	0.05032	49.5161	0.02395
43.4	0.05662	49.5358	0.07543
43.42	0.04734	49.5554	0.0425
43.44	0.05394	49.5751	0.05398
43.46	0.04886	49.5947	0.07864
43.48	0.04947	49.6144	-0.0088
43.5	0.05157	49.6537	0.06778
43.52	0.03092	49.6734	0.01815
43.54	0.03213	49.693	0.04412
43.56	0.04292	49.7127	0.00636
43.58	0.03933	49.752	0.03019
43.6	0.04473	49.7716	0.08826
43.62	0.02438	49.7913	0.00565
43.64	0.04654	49.8109	0.01009
43.66	0.05404	49.8306	-0.01404
43.68	0.04417	49.8502	0.01941
43.7	0.05166	49.8699	-0.00121
43.72	0.0358	49.8895	0.0296
43.74	0.03731	49.9092	0.038
43.76	0.03971	49.9289	0.02838
43.78	0.0475	49.9485	0.03721
43.8	0.05111	49.9682	0.01307
43.82	0.03405	49.9878	0.01443
43.84	0.06011	50.0075	0.06855
43.86	0.05562	50.0197	0.0445
43.88	0.05444	50.0393	0.02784
43.9	0.05594	50.059	0.03096
43.92	0.04308	50.0786	0.07804
43.94	0.04249	50.0983	0.04951
43.96	0.04818	50.1179	0.03065
43.98	0.04969	50.1572	-0.0018
44	0.04251	50.1965	0.04137
44.02	0.05689	50.2162	0.00625
44.04	0.06888	50.2358	-0.0113

44.06	0.08476	50.2555	0.04106
44.08	0.0692	50.2752	0.0433
44.1	0.05753	50.2948	0.00202
44.12	0.07191	50.3145	0.05526
44.14	0.0791	50.3341	0.072
44.16	0.06384	50.3538	0.05183
44.18	0.08152	50.3734	0.05275
44.2	0.07913	50.3931	0.00312
44.22	0.08932	50.4127	0.02602
44.24	0.08514	50.4324	0.05991
44.26	0.09053	50.452	-0.00511
44.28	0.08455	50.4717	0.02395
44.3	0.07768	50.4913	0.05124
44.32	0.08397	50.511	0.03722
44.34	0.07829	50.5306	0.0355
44.36	0.08968	50.5503	0.03995
44.38	0.08849	50.57	0.08791
44.4	0.10437	50.5896	0.02157
44.42	0.10318	50.6093	0.06381
44.44	0.09421	50.6289	0.08144
44.46	0.09481	50.6486	0.02434
44.48	0.09393	50.6682	0.04855
44.5	0.08884	50.6879	0.06267
44.52	0.07778	50.7075	0.03941
44.54	0.09126	50.7272	0.03813
44.56	0.07779	50.7468	-0.01238
44.58	0.0781	50.7665	0.02503
44.6	0.07871	50.7861	0.00265
44.62	0.0889	50.8058	0.00753
44.64	0.07364	50.8255	0.03395
44.66	0.06796	50.8451	0.0463
44.68	0.05629	50.8648	0.05206
44.7	0.0554	50.8844	0.02089
44.72	0.05002	50.9041	0.04687
44.74	0.04794	50.9237	0.05834
44.76	0.05812	50.9434	0.05927
44.78	0.05694	50.963	0.03997
44.8	0.05694	50.9827	0.0343
44.82	0.0333	51.0023	0.06335
44.84	0.05996	51.022	0.06735
44.86	0.0447	51.0416	0.09685
44.88	0.02495	51.0613	0.0881
44.9	0.03034	51.081	0.08726
44.92	0.04263	51.1203	0.0579
44.94	0.02168	51.1399	0.00167
44.96	0.0636	51.1596	0.0105
44.98	0.05553	51.1792	0.11033

45	0.03308	51.2185	0.11965
45.02	0.02441	51.2382	0.06211
45.04	0.0355	51.2578	0.00456
45.06	0.03521	51.2775	0.04901
45.08	0.03462	51.2971	0.06223
45.1	0.03852	51.3168	0.05525
45.12	0.02597	51.3365	0.08958
45.14	0.03078	51.3561	0.01049
45.16	0.05356	51.3758	0.03691
45.18	0.02604	51.3954	0.01849
45.2	0.02846	51.4151	-8.09E-04
45.22	0.0204	51.4347	0.03836
45.24	0.01982	51.4544	0.07929
45.26	0.06326	51.474	6.36E-04
45.28	0.04382	51.5133	0.07897
45.3	0.02558	51.533	0.06627
45.32	0.0256	51.5526	0.04784
45.34	0.03162	51.5723	0.08174
45.36	0.05469	51.5919	0.0554
45.38	0.0616	51.6116	0.1016
45.4	0.03797	51.6313	0.06823
45.42	0.04937	51.6509	0.05553
45.44	0.04311	51.6706	0.01996
45.46	0.03595	51.6902	0.09122
45.48	0.05214	51.7099	0.05961
45.5	0.05276	51.7295	0.11328
45.52	0.03213	51.7492	0.08167
45.54	0.03963	51.7688	0.07072
45.56	0.04624	51.7885	0.00921
45.58	0.05106	51.8081	0.0286
45.6	0.04958	51.8278	0.06293
45.62	0.06997	51.8474	0.05286
45.64	0.05771	51.8671	0.0696
45.66	0.05684	51.8868	0.04942
45.68	0.06045	51.9064	0.06001
45.7	0.05988	51.9261	0.04159
45.72	0.08206	51.9457	0.10757
45.74	0.09046	51.9654	0.03772
45.76	0.10186	51.985	0.04787
45.78	0.07105	52.0047	0.08
45.8	0.09143	52.0243	0.10202
45.82	0.09774	52.044	0.00755
45.84	0.10705	52.0636	0.08892
45.86	0.09689	52.0833	0.05906
45.88	0.07955	52.1226	0.07365
45.9	0.09604	52.1423	0.07237
45.92	0.11013	52.1619	0.06978

45.94	0.11345	52.1816	0.0496
45.96	0.11707	52.2012	0.01579
45.98	0.10302	52.2209	0.03869
46	0.11711	52.2405	0.05719
46.02	0.12342	52.2602	0.05987
46.04	0.13512	52.2798	0.10563
46.06	0.13066	52.2995	0.06567
46.08	0.13996	52.3191	0.03581
46.1	0.12591	52.3388	0.06135
46.12	0.15408	52.3584	0.07063
46.14	0.16518	52.3781	0.0311
46.16	0.13826	52.3978	0.06807
46.18	0.16044	52.4174	0.09405
46.2	0.15118	52.4371	0.0809
46.22	0.17306	52.4567	0.04885
46.24	0.17757	52.4764	0.0146
46.26	0.17071	52.496	0.04673
46.28	0.16834	52.5353	0.09209
46.3	0.17225	52.555	0.02707
46.32	0.18425	52.5943	0.00957
46.34	0.18757	52.6139	0.01752
46.36	0.18849	52.6336	0.07603
46.38	0.16786	52.6532	0.08882
46.4	0.17776	52.6729	0.10557
46.42	0.17659	52.6926	0.06165
46.44	0.18799	52.7319	0.05865
46.46	0.20897	52.7515	0.00726
46.48	0.17546	52.7712	0.0051
46.5	0.19045	52.7908	0.02097
46.52	0.20005	52.8105	0.0575
46.54	0.18601	52.8301	0.05886
46.56	0.18783	52.8498	-0.0066
46.58	0.17617	52.8694	0.0097
46.6	0.18159	52.8891	0.0537
46.62	0.1846	52.9087	0.06254
46.64	0.19211	52.9284	0.07665
46.66	0.16968	52.9481	0.04635
46.68	0.13797	52.9677	0.08112
46.7	0.17062	52.9874	0.05523
46.72	0.17244	53.007	0.06538
46.74	0.14672	53.0267	0.01179
46.76	0.12878	53.0463	0.04656
46.78	0.11982	53.066	0.01978
46.8	0.13182	53.0856	0.01455
46.82	0.13723	53.1053	0.01767
46.84	0.13845	53.1249	0.00848
46.86	0.13848	53.1446	0.01423

46.88	0.11365	53.1642	0.00328
46.9	0.11906	53.1839	0.04597
46.92	0.10052	53.2036	-0.00587
46.94	0.09636	53.2232	0.00428
46.96	0.09428	53.2429	0.02543
46.98	0.08922	53.2625	0.01272
47	0.08774	53.2822	0.01232
47.02	0.09495	53.3018	0.02863
47.04	0.0824	53.3215	0.04493
47.06	0.08991	53.3411	0.07223
47.08	0.07856	53.3608	0.02479
47.1	0.07349	53.4001	0.04905
47.12	0.06273	53.4197	0.03415
47.14	0.05168	53.4394	0.04342
47.16	0.04841	53.4591	0.0228
47.18	0.07298	53.4787	0.02768
47.2	0.06373	53.4984	0.09146
47.22	0.06585	53.518	0.02248
47.24	0.0509	53.5377	0.00362
47.26	0.04164	53.5573	0.02784
47.28	0.05125	53.577	0.08942
47.3	0.036	53.6163	0.00554
47.32	0.02974	53.6359	0.01262
47.34	0.01389	53.6556	0.05794
47.36	0.05643	53.6949	0.05362
47.38	0.05076	53.7145	0.04091
47.4	0.03791	53.7342	0.06381
47.42	0.03285	53.7539	0.03528
47.44	0.04125	53.7735	0.02125
47.46	0.04337	53.7932	-0.01255
47.48	0.03202	53.8128	-0.01251
47.5	0.0548	53.8325	0.09259
47.52	0.03296	53.8521	0.09263
47.54	0.03418	53.8718	0.04124
47.56	0.04708	53.8914	0.02282
47.58	0.03363	53.9111	-0.01099
47.6	0.02437	53.9307	0.10027
47.62	0.02649	53.9504	0.07481
47.64	0.03849	53.97	-0.00735
47.66	0.03193	53.9897	0.00852
47.68	0.02147	54.0094	0.10527
47.7	0.03587	54.029	0.08333
47.72	0.02631	54.0487	0.05656
47.74	0.03621	54.088	0.01268
47.76	0.03055	54.1076	0.07514
47.78	0.0165	54.1469	-0.01358
47.8	0.0279	54.1666	0.0401

47.82	0.0408	54.1862	0.03266
47.84	0.03453	54.2059	0.04545
47.86	0.02528	54.2255	0.04813
47.88	0.0274	54.2649	0.07811
47.9	0.01874	54.2845	0.0232
47.92	0.02804	54.3042	0.01049
47.94	0.02387	54.3238	0.03866
47.96	0.03946	54.3435	-0.00657
47.98	0.02871	54.3631	-0.01708
48	0.03382	54.3828	0.04714
48.02	0.03534	54.4024	0.03619
48.04	0.04495	54.4221	-0.01037
48.06	0.03958	54.4417	-0.00769
48.08	0.01565	54.4614	0.04291
48.1	0.02256	54.481	0.01218
48.12	0.02827	54.5007	0.01573
48.14	0.00644	54.5204	0.04083
48.16	0.02203	54.54	0.04615
48.18	0.01457	54.5597	0.07828
48.2	0.03226	54.5793	0.03656
48.22	0.02659	54.599	0.00275
48.24	0.02332	54.6186	0.04983
48.26	0.01916	54.6383	0.08064
48.28	0.03445	54.6579	0.01342
48.3	0.02429	54.6776	0.05259
48.32	0.02462	54.6972	0.04735
48.34	0.03182	54.7169	0.09136
48.36	0.02197	54.7365	0.06634
48.38	0.02858	54.7562	0.01363
48.4	0.01363	54.7758	0.04796
48.42	0.01545	54.7955	0.06207
48.44	0.01158	54.8152	0.01243
48.46	0.01939	54.8348	0.06171
48.48	0.01642	54.8545	-0.00595
48.5	0.01644	54.8741	0.0319
48.52	0.02575	54.8938	-1.55E-04
48.54	0.02577	54.9331	0.02279
48.56	0.04046	54.9527	0.03689
48.58	0.01234	54.9724	0.05716
48.6	0.02255	54.992	0.03434
48.62	0.03544	55.0117	-3.49E-04
48.64	0.03277	55.0313	0.00892
48.66	0.0301	55.051	0.01951
48.68	0.03162	55.0707	0.07934
48.7	0.01757	55.0903	0.05784
48.72	0.02838	55.11	0.05129
48.74	0.0269	55.1296	0.01616

48.76	0.02513	55.1493	0.01532
48.78	0.03563	55.1689	0.01492
48.8	0.02607	55.1886	0.02288
48.82	0.00304	55.2082	0.04578
48.84	0.03091	55.2279	-0.0043
48.86	0.03752	55.2868	0.07496
48.88	0.03725	55.3065	0.00202
48.9	0.03877	55.3262	0.0302
48.92	0.02083	55.3458	0.05266
48.94	0.02744	55.3655	0.02896
48.96	0.03794	55.3851	0.04527
48.98	0.02778	55.4048	0.04179
49	0.04188	55.4244	0.06249
49.02	0.03771	55.4441	0.06122
49.04	0.03893	55.4637	0.01422
49.06	0.02847	55.4834	0.07273
49.08	0.03179	55.503	0.03232
49.1	0.02433	55.5227	0.00203
49.12	0.01567	55.5423	0.04515
49.14	0.02078	55.562	0.07641
49.16	0.04057	55.6013	0.06726
49.18	0.02801	55.621	0.07609
49.2	0.01487	55.6603	0.01507
49.22	0.03255	55.6799	0.00675
49.24	0.03826	55.6996	-0.00727
49.26	0.04637	55.7192	0.06443
49.28	0.01316	55.7389	0.08073
49.3	0.03414	55.7585	0.04692
49.32	0.02908	55.7782	0.03202
49.34	0.027	55.8175	0.01935
49.36	0.02284	55.8371	-0.01446
49.38	0.01867	55.8568	0.02031
49.4	0.01989	55.8765	0.02958
49.42	0.03099	55.8961	0.04941
49.44	0.04029	55.9158	0.00417
49.46	0.03104	55.9354	0.03938
49.48	0.03495	55.9551	-0.01377
49.5	0.0218	55.9747	-0.00406
49.52	0.01913	55.9944	0.0162
49.54	0.04251	56.014	-0.00222
49.56	0.02487	56.0533	0.01852
49.58	0.03477	56.073	0.01549
49.6	0.03898	56.0926	0.04278
49.62	0.05218	56.1123	0.10437
49.64	0.01747	56.132	0.03055
49.66	0.03726	56.1516	0.09302
49.68	0.03429	56.1713	0.00646

49.7	0.02623	56.1909	0.00386
49.72	0.03074	56.2106	0.04127
49.74	0.03555	56.2302	0.06153
49.76	0.02899	56.2499	0.05893
49.78	0.03081	56.2695	0.07744
49.8	0.01317	56.2892	0.03176
49.82	0.03744	56.3088	0.03224
49.84	0.02819	56.3285	0.01778
49.86	0.0351	56.3481	0.04463
49.88	0.02524	56.3678	0.0794
49.9	0.04891	56.3875	0.02977
49.92	0.04475	56.4071	0.01134
49.94	0.03908	56.4268	0.01974
49.96	0.02893	56.4464	0.00483
49.98	0.0514	56.4661	0.06906
50	0.04364	56.4857	0.0625
50.02	0.04217	56.5054	0.05243
50.04	0.0383	56.525	0.07533
50.06	0.03593	56.5447	0.02218
50.08	0.03296	56.5643	0.01123
50.1	0.01502	56.584	-0.00411
50.12	0.01265	56.6036	0.08693
50.14	0.03782	56.6233	0.09224
50.16	0.03425	56.643	0.05931
50.18	0.04774	56.6626	0.01715
50.2	0.02831	56.6823	0.01411
50.22	0.0283	56.7019	-0.01222
50.24	0.00705	56.7216	0.07486
50.26	0.03491	56.7412	0.02259
50.28	0.01096	56.7609	0.08681
50.3	0.01936	56.7805	0.06268
50.32	0.01547	56.8002	0.04249
50.34	0.0086	56.8198	0.0333
50.36	0.03525	56.8395	0.11379
50.38	0.01281	56.8591	0.07647
50.4	0.01222	56.8788	0.04969
50.42	0.03348	56.8984	0.02819
50.44	0.02241	56.9181	0.07571
50.46	0.01643	56.9378	0.03795
50.48	0.02273	56.9574	0.05513
50.5	0.01406	56.9771	0.03803
50.52	0.01436	56.9967	0.04202
50.54	0.02545	57.0164	0.05833
50.56	0.01827	57.036	0.06057
50.58	0.02697	57.0557	0.11073
50.6	0.03326	57.0753	0.10153
50.62	0.02908	57.095	0.08839



50.64	0.0222	57.1146	0.1003
50.66	0.02161	57.1343	0.06121
50.68	0.02761	57.1539	0.00542
50.7	0.04918	57.1736	0.10482
50.72	0.03212	57.1933	0.08068
50.74	0.00788	57.2129	0.00159
50.76	0.03094	57.2326	0.02669
50.78	0.02257	57.2522	0.03904
50.8	0.01988	57.2719	0.06677
50.82	0.01091	57.2915	0.06506
50.84	0.01511	57.3112	0.02465
50.86	-0.00943	57.3308	0.03437
50.88	-0.00374	57.3505	0.0643
50.9	0.02352	57.3701	0.02126
50.92	0.0364	57.3898	0.03317
50.94	0.02473	57.4094	0.07365
50.96	0.02504	57.4291	0.07589
50.98	0.02146	57.4488	0.10803
51	0.01488	57.4684	0.05487
51.02	0.02267	57.4881	0.06415
51.04	0.01969	57.5077	0.0022
51.06	0.02329	57.5274	0.09148
51.08	0.01102	57.547	-0.00958
51.1	0.01582	57.5667	0.052
51.12	0.01314	57.5863	0.04193
51.14	0.01883	57.606	0.07582
51.16	0.01735	57.6256	0.02839
51.18	0.03023	57.6453	0.02139
51.2	-4.25E-17	57.6649	0.03023
51.22	0.01977	57.6846	0.04433
51.24	0.01948	57.7043	0.00921
51.26	0.0153	57.7239	0.04617
51.28	0.00962	57.7436	0.02379
51.3	0.01352	57.7632	0.01724
51.32	0.00754	57.7829	-0.00162
51.34	0.03389	57.8025	0.03667
51.36	0.03091	57.8222	0.07144
51.38	0.01445	57.8418	0.0196
51.4	0.02374	57.8615	0.06229
51.42	0.03303	57.8811	0.02056
51.44	0.02586	57.9008	0.09314
51.46	0.02437	57.9204	0.02592
51.48	0.01899	57.9401	0.01805
51.5	0.0184	57.9597	0.10645
51.52	0.03008	57.9794	0.04627
51.54	0.01812	57.9991	0.06653
51.56	0.00974	58.0187	0.02832

51.58	0.01963	58.0384	0.07452
51.6	0.02563	58.058	0.05742
51.62	0.01216	58.0777	0.05482
51.64	0.02265	58.0973	0.01706
51.66	0.01967	58.1366	0.0611
51.68	0.02626	58.1563	0.05015
51.7	0.03406	58.1759	0.05986
51.72	0.00862	58.1956	-0.00648
51.74	0.01821	58.2152	0.04456
51.76	0.0251	58.2349	0.01119
51.78	0.02212	58.2546	0.0719
51.8	0.00626	58.2742	0.0227
51.82	0.01465	58.2939	0.06978
51.84	0.01705	58.3135	0.03597
51.86	0.01227	58.3332	0.02019
51.88	0.02845	58.3528	0.06595
51.9	-0.00807	58.3725	0.04445
51.92	0.02068	58.3921	0.07965
51.94	0.02129	58.4118	0.00101
51.96	0.01651	58.4314	0.06303
51.98	0.03239	58.4511	0.08066
52	0.01683	58.4707	0.07674
52.02	0.01115	58.4904	0.06711
52.04	0.02163	58.5101	0.02055
52.06	0.02374	58.5297	0.03906
52.08	0.02255	58.5494	0.10152
52.1	0.02555	58.569	0.01408
52.12	0.01179	58.5887	0.07347
52.14	0.01689	58.6083	9.75E-04
52.16	0.02259	58.628	0.01816
52.18	0.03038	58.6476	0.07139
52.2	0.01781	58.6673	0.05033
52.22	-0.00343	58.6869	0.05741
52.24	0.01903	58.7066	-0.00937
52.26	0.01095	58.7262	0.08255
52.28	0.00557	58.7459	0.08567
52.3	0.02055	58.7656	0.08087
52.32	0.01218	58.7852	0.04618
52.34	0.02506	58.8049	0.05721
52.36	0.01759	58.8245	0.06473
52.38	0.01071	58.8442	0.05202
52.4	0.01581	58.8638	0.03404
52.42	0.00803	58.8835	6.68E-04
52.44	0.02002	58.9031	0.03544
52.46	0.02212	58.9228	0.06186
52.48	0.00836	58.9424	0.0298
52.5	0.01795	58.9817	0.05319

52.52	5.93E-04	59.0014	0.06729
52.54	0.02815	59.021	0.05019
52.56	-0.00418	59.0407	0.01111
52.58	0.0093	59.0604	0.04588
52.6	0.00781	59.08	0.09559
52.62	0.0195	59.0997	0.07453
52.64	0.00753	59.1193	0.04995
52.66	0.00634	59.139	0.00208
52.68	0.02851	59.1586	0.0729
52.7	0.00936	59.1783	0.07382
52.72	0.02164	59.1979	0.04089
52.74	0.02075	59.2176	0.10335
52.76	0.01747	59.2372	0.05811
52.78	0.02346	59.2765	0.0771
52.8	0.02407	59.2962	0.07846
52.82	0.00522	59.3159	0.04377
52.84	0.02199	59.3552	0.08649
52.86	0.0211	59.3748	0.02499
52.88	0.02351	59.3945	0.00657
52.9	0.01873	59.4141	0.0853
52.92	0.01514	59.4338	0.05413
52.94	0.02443	59.4534	0.06032
52.96	0.03133	59.4731	0.02783
52.98	0.01188	59.4927	0.05864
53	0.00829	59.5124	0.03539
53.02	0.01249	59.532	0.10005
53.04	0.0152	59.5517	0.0847
53.06	0.01551	59.5714	0.05133
53.08	0.0224	59.591	0.08654
53.1	0.01852	59.6107	0.0523
53.12	0.03529	59.6303	0.01541
53.14	0.01943	59.65	0.00358
53.16	0.01316	59.6696	0.03571
53.18	0.03771	59.6893	0.08323
53.2	0.02245	59.7089	0.06393
53.22	0.0057	59.7286	0.03803
53.24	0.0072	59.7482	0.06665
53.26	0.02577	59.7875	0.04915
53.28	0.00992	59.8072	-0.01631
53.3	0.01442	59.8269	0.01362
53.32	0.01203	59.8465	0.07521
53.34	0.00665	59.8662	0.01326
53.36	0.01534	59.8858	0.08804
53.38	0.00697	59.9055	0.08544
53.4	0.00608	59.9251	0.01031
53.42	0.00549	59.9448	0.01386
53.44	0.03693	59.9644	0.08117

53.46	0.02407	59.9841	0.05571
53.48	0.0106	60.0037	0.05531
53.5	0.0172	60.0234	0.06458
53.52	0.02499	60.043	-0.00176
53.54	0.02111	60.0823	0.06119
53.56	0.01633	60.102	0.05508
53.58	0.01065	60.1217	0.09424
53.6	0.00347	60.1413	0.06703
53.62	0.00857	60.161	0.08597
53.64	0.02684	60.1806	0.0803
53.66	0.02176	60.2003	0.03506
53.68	0.01698	60.2396	0.06635
53.7	0.02028	60.2592	0.02287
53.72	0.0155	60.2789	0.02599
53.74	0.02479	60.2985	0.06252
53.76	0.01193	60.3182	0.05948
53.78	0.02751	60.3378	0.05249
53.8	0.00207	60.3575	0.07715
53.82	0.02094	60.3772	0.08554
53.84	0.01107	60.3968	0.00997
53.86	0.00419	60.4165	0.02672
53.88	0.0018	60.4361	8.19E-04
53.9	0.006	60.4558	0.00877
53.92	0.02907	60.4754	0.03915
53.94	0.01351	60.4951	0.02512
53.96	0.01322	60.5147	0.00714
53.98	0.00275	60.5344	-0.00205
54	0.02042	60.554	0.05689
54.02	0.02941	60.5737	0.02748
54.04	0.00816	60.5933	0.0517
54.06	0.03452	60.613	0.07196
54.08	0.01566	60.6327	0.06277
54.1	0.03094	60.6523	0.02721
54.12	0.01089	60.672	0.00527
54.14	0.04144	60.6916	-0.0136
54.16	0.02199	60.7113	0.04008
54.18	0.00733	60.7309	0.04012
54.2	0.00793	60.7506	0.0806
54.22	0.00255	60.7702	0.08548
54.24	0.00765	60.7899	0.07629
54.26	0.00527	60.8095	0.08688
54.28	0.01785	60.8292	0.02494
54.3	-0.0025	60.8685	0.07645
54.32	0.03284	60.8881	0.08792
54.34	0.01698	60.9078	0.08225
54.36	0.02807	60.9275	0.04668
54.38	0.03167	60.9471	0.08453

54.4	0.00323	60.9668	0.05995
54.42	5.48E-04	60.9864	0.07889
54.44	0.00744	61.0061	0.08157
54.46	0.02781	61.0257	0.00776
54.48	0.01016	61.0454	0.06935
54.5	0.00507	61.065	0.06851
54.52	0.01916	61.0847	0.09141
54.54	0.01318	61.1043	0.03782
54.56	0.0039	61.124	0.04973
54.58	0.01649	61.1436	0.07702
54.6	0.00362	61.1633	0.07838
54.62	0.01261	61.2419	0.06096
54.64	0.00963	61.2616	0.0443
54.66	0.01533	61.2812	0.10237
54.68	0.02402	61.3009	0.04394
54.7	0.00906	61.3205	0.03211
54.72	0.02613	61.3402	0.03083
54.74	0.01057	61.3598	0.02648
54.76	0.02016	61.3795	-2.97E-04
54.78	0.01029	61.3991	0.0059
54.8	0.02976	61.4188	0.00198
54.82	0.0139	61.4385	0.04291
54.84	0.01481	61.4581	0.07504
54.86	0.0214	61.4778	0.06145
54.88	0.01423	61.4974	0.06501
54.9	0.00855	61.5171	0.05274
54.92	0.01694	61.5367	-0.00393
54.94	0.02024	61.5564	0.07173
54.96	0.00468	61.576	0.03308
54.98	0.00888	61.5957	0.02785
55	0.0047	61.6153	1.94E-04
55.02	0.02207	61.635	-0.02526
55.04	0.01669	61.6546	0.07281
55.06	0.0158	61.6743	0.0623
55.08	0.00534	61.694	0.01838
55.1	0.01373	61.7136	0.02326
55.12	-0.00483	61.7333	0.01846
55.14	0.01883	61.7529	0.03213
55.16	0.00357	61.7726	0.06382
55.18	0.01346	61.7922	-0.00471
55.2	0.01347	61.8119	0.01159
55.22	0.01258	61.8315	0.03405
55.24	0.01469	61.8512	0.03541
55.26	-0.00416	61.8708	-0.01818
55.28	3.59E-05	61.8905	0.06187
55.3	0.01621	61.9101	0.05532
55.32	0.01293	61.9298	0.0536

55.34	0.01294	61.9494	-0.01098
55.36	0.01774	61.9691	0.04181
55.38	0.01325	61.9888	-0.0087
55.4	0.00787	62.0084	0.10388
55.42	0.01537	62.0281	0.0582
55.44	0.02705	62.0477	0.01912
55.46	-7.81E-04	62.0674	0.09389
55.48	0.00731	62.1067	0.06628
55.5	-0.00166	62.1263	0.03994
55.52	0.01751	62.146	0.0479
55.54	0.01812	62.1656	0.05145
55.56	0.01423	62.1853	0.01764
55.58	0.01993	62.2049	-0.00957
55.6	0.01245	62.2246	0.02388
55.62	0.03432	62.2443	-0.01476
55.64	0.01068	62.2639	0.05913
55.66	0.01847	62.2836	0.0684
55.68	-0.00278	62.3032	0.01965
55.7	0.0143	62.3229	0.05574
55.72	0.0173	62.3425	0.00346
55.74	0.01761	62.3622	0.0589
55.76	0.01552	62.4015	0.06909
55.78	0.01882	62.4211	0.02209
55.8	0.01344	62.4408	0.01949
55.82	0.03142	62.4604	-6.87E-04
55.84	0.00628	62.4801	0.05738
55.86	0.00569	62.4998	0.01918
55.88	0.02036	62.5194	0.08076
55.9	0.0063	62.5391	0.07729
55.92	0.00272	62.5587	0.08656
55.94	0.04794	62.5784	0.0655
55.96	0.00304	62.598	-0.00963
55.98	0.01472	62.6177	0.03613
56	0.02521	62.6373	0.10123
56.02	0.01803	62.657	0.0683
56.04	0.01445	62.6766	0.0279
56.06	0.01566	62.6963	-0.00108
56.08	0.01327	62.7159	0.09304
56.1	0.0028	62.7356	0.06231
56.12	7.13E-04	62.7553	0.06235
56.14	0.02377	62.7749	0.0725
56.16	0.01869	62.7946	0.06903
56.18	0.0217	62.8142	0.04093
56.2	0.01183	62.8339	0.10252
56.22	0.01064	62.8535	0.06431
56.24	0.0343	62.8732	0.07315
56.26	0.02054	62.8928	0.09253

56.28	0.01156	62.9125	0.0429
56.3	0.02624	62.9321	-0.01204
56.32	0.01038	62.9518	0.04644
56.34	0.03195	62.9714	0.01041
56.36	0.0086	62.9911	0.03943
56.38	0.00951	63.0107	0.0289
56.4	0.0209	63.0304	0.03946
56.42	0.02809	63.0501	0.05926
56.44	0.00654	63.0894	3.74E-04
56.46	8.65E-04	63.109	0.08875
56.48	0.01644	63.1287	0.0914
56.5	0.00927	63.1483	0.00393
56.52	0.01287	63.168	0.06637
56.54	0.01078	63.2073	0.03386
56.56	0.04791	63.2269	0.03959
56.58	0.01798	63.2466	0.05675
56.6	0.02219	63.2662	0.03171
56.62	0.00962	63.2859	0.01018
56.64	0.01023	63.3056	-0.00431
56.66	0.00694	63.3252	5.33E-04
56.68	0.00695	63.3449	-0.00209
56.7	0.02253	63.3645	0.01507
56.72	0.00637	63.3842	0.02783
56.74	0.01057	63.4038	0.0107
56.76	0.01507	63.4235	0.03621
56.78	0.02825	63.4431	0.016
56.8	0.01928	63.4628	0.04679
56.82	0.00492	63.4824	0.01075
56.84	0.01301	63.5021	0.04989
56.86	0.02769	63.5217	0.05078
56.88	0.01602	63.5414	0.10047
56.9	0.00735	63.5611	0.03103
56.92	0.03011	63.5807	0.01741
56.94	0.01036	63.6004	0.04864
56.96	7.90E-04	63.62	0.0359
56.98	0.01457	63.6397	0.06185
57	0.01129	63.6593	0.0179
57.02	0.01998	63.679	0.02715
57.04	0.00562	63.6986	0.02145
57.06	0.02359	63.7183	0.05487
57.08	0.02599	63.7379	0.06104
57.1	0.00834	63.7576	0.09622
57.12	0.01104	63.7772	0.02766
57.14	0.01913	63.7969	0.05668
57.16	0.01106	63.8166	0.02197
57.18	0.02274	63.8362	0.02814
57.2	0.01467	63.8559	0.04486

57.22	0.01558	63.8755	-0.00305
57.24	0.02726	63.8952	0.07917
57.26	0.00751	64	0.07456
57.28	0.01141	64.0197	0.03002
57.3	0.02789	64.0393	0.07862
57.32	0.0288	64.059	0.07213
57.34	0.02282	64.0983	0.09209
57.36	0.02043	64.1376	0.02345
57.38	0.01355	64.1572	-0.01485
57.4	0.00997	64.1769	0.01842
57.42	0.01746	64.1965	0.02385
57.44	-0.00798	64.2162	0.03383
57.46	0.007	64.2358	-0.00219
57.48	0.00192	64.2555	0.01006
57.5	0.00582	64.2752	0.06661
57.52	0.04086	64.2948	-0.01428
57.54	0.01392	64.3145	0.06783
57.56	0.03818	64.3341	0.01874
57.58	0.02203	64.3538	0.06905
57.6	0.02533	64.3734	0.04098
57.62	0.01276	64.3931	0.07822
57.64	0.01996	64.4127	0.00471
57.66	0.02925	64.4324	-0.01087
57.68	0.01279	64.452	0.05647
57.7	0.00232	64.4717	0.02953
57.72	0.02029	64.4913	0.031
57.74	0.01252	64.511	0.02734
57.76	0.02001	64.5306	0.06175
57.78	0.01433	64.5503	0.0314
57.8	0.03081	64.57	0.03854
57.82	0.00866	64.5896	0.02183
57.84	0.01855	64.6093	0.07327
57.86	0.03802	64.6289	0.04917
57.88	0.003	64.6486	0.0069
57.9	0.02037	64.6682	0.06572
57.92	0.01799	64.6879	0.05696
57.94	0.02428	64.7075	0.0908
57.96	0.02429	64.7272	0.02864
57.98	0.01352	64.7468	0.05964
58	0.02431	64.7665	-0.02694
58.02	0.00875	64.7861	0.01542
58.04	0.01864	64.8058	0.05039
58.06	0.01027	64.8255	0.04731
58.08	0.01746	64.8451	0.00276
58.1	0.02076	64.8648	0.00195
58.12	0.01808	64.9041	0.05939
58.14	0.0106	64.9237	0.04666



58.16	0.02229	64.9434	0.08333
58.18	0.00673	64.963	0.0138
58.2	0.01931	64.9827	0.03002
58.22	0.01034	65.0023	0.01445
58.24	0.02083	65.022	0.03976
58.26	0.01934	65.0416	0.05372
58.28	0.03462	65.0613	0.06199
58.3	0.02385	65.081	0.03903
58.32	0.05589	65.1006	0.05469
58.34	0.01848	65.1203	0.04479
58.36	0.02956	65.1399	0.00536
58.38	0.01909	65.1596	0.02215
58.4	0.0179	65.1792	0.05372
58.42	0.03258	65.1989	0.02451
58.44	0.01972	65.2185	0.00779
58.46	0.02721	65.2382	0.03311
58.48	0.01704	65.2578	0.07489
58.5	0.02244	65.2971	0.08179
58.52	0.02963	65.3168	0.01793
58.54	0.01108	65.3365	-0.01071
58.56	0.03324	65.3758	0.05867
58.58	0.02397	65.3954	0.06751
58.6	0.0168	65.4151	0.07181
58.62	0.00812	65.4347	0.07782
58.64	0.03328	65.4544	0.02873
58.66	0.01862	65.474	0.07847
58.68	0.01593	65.4937	0.03619
58.7	0.02792	65.5133	0.04901
58.72	0.02164	65.533	0.04479
58.74	0.02734	65.5526	0.05704
58.76	0.01118	65.5723	0.06021
58.78	0.01059	65.5919	0.07246
58.8	0.02437	65.6116	0.04666
58.82	0.01869	65.6313	0.0555
58.84	0.00523	65.6509	0.0706
58.86	0.01841	65.6706	0.04309
58.88	0.00764	65.6902	0.02581
58.9	0.00885	65.7099	0.10905
58.92	0.01035	65.7295	0.0293
58.94	0.00737	65.7492	0.09266
58.96	0.01636	65.7688	0.07481
58.98	0.03044	65.7885	0.11092
59	0.01009	65.8081	0.11465
59.02	0.01579	65.8278	0.07579
59.04	0.0143	65.8474	0.06078
59.06	0.02718	65.8671	0.10143
59.08	0.01581	65.8868	0.08187

59.1	0.01403	65.9064	0.06743
59.12	0.02362	65.9261	0.08536
59.14	0.0341	65.9457	0.1067
59.16	0.02064	65.9654	0.07068
59.18	0.02993	65.985	0.08975
59.2	0.02695	66.0833	0.08171
59.22	0.02995	66.1029	0.11271
59.24	0.01169	66.1226	0.10337
59.26	0.02188	66.1423	0.0293
59.28	0.02369	66.1619	0.07051
59.3	0.0237	66.1816	0.06402
59.32	0.0243	66.2012	0.11092
59.34	0.01473	66.2209	0.06297
59.36	0.02073	66.2405	0.07693
59.38	0.02194	66.2602	0.12098
59.4	0.01865	66.2798	0.00601
59.42	0.02285	66.2995	0.0938
59.44	0.02436	66.3191	-0.01151
59.46	0.01149	66.3388	-0.00665
59.48	0.03216	66.3584	0.10102
59.5	0.02618	66.3781	0.04853
59.52	0.0193	66.3978	0.08123
59.54	0.01153	66.4174	0.07246
59.56	0.00705	66.4371	0.08812
59.58	0.03011	66.4567	0.08504
59.6	0.03012	66.4764	0.07628
59.62	0.02264	66.496	0.02662
59.64	0.01577	66.5353	0.01421
59.66	0.00919	66.555	0.10427
59.68	0.01309	66.5746	0.07279
59.7	0.02537	66.5943	0.06062
59.72	0.03077	66.6139	0.02062
59.74	0.02928	66.6532	0.0366
59.76	0.01432	66.6729	0.07157
59.78	0.02182	66.6926	0.09802
59.8	0.02332	66.7122	0.108
59.82	0.01675	66.7319	0.03563
59.84	0.02124	66.7515	0.10468
59.86	0.03443	66.7712	0.04593
59.88	0.01977	66.7908	0.04512
59.9	0.02546	66.8105	0.05283
59.92	0.01919	66.8301	0.10598
59.94	0.02848	66.8498	0.07165
59.96	0.03298	66.8694	0.02654
59.98	0.01682	66.8891	0.04333
60	0.01713	66.9087	0.0482
60.02	0.01234	66.9284	0.10476

60.04	0.04229	66.9481	0.03806
60.06	0.01476	66.9677	0.07644
60.08	0.02345	66.9874	0.07052
60.1	0.01986	67.007	0.04983
60.12	0.0079	67.0267	0.04902
60.14	0.03485	67.0463	0.07092
60.16	0.0148	67.066	0.02127
60.18	0.0187	67.0856	0.07385
60.2	0.0229	67.1053	0.02816
60.22	0.02201	67.1249	0.0904
60.24	0.02292	67.1446	0.07198
60.26	0.02413	67.1642	0.10695
60.28	0.01845	67.1839	0.02832
60.3	0.01546	67.2036	0.09283
60.32	0.01248	67.2232	0.08236
60.34	0.03105	67.2429	0.04918
60.36	0.02058	67.2625	0.05462
60.38	0.01071	67.3018	0.08821
60.4	0.04694	67.3215	0.05332
60.42	0.00264	67.3411	0.03206
60.44	0.01672	67.3608	0.07044
60.46	0.02961	67.3804	0.03612
60.48	0.03231	67.4001	0.02622
60.5	0.01376	67.4197	0.03506
60.52	0.01257	67.4394	0.06094
60.54	0.02216	67.4591	0.09251
60.56	0.01648	67.4787	0.05648
60.58	0.02427	67.4984	0.09259
60.6	0.02518	67.518	0.04577
60.62	0.02728	67.5377	0.08017
60.64	0.01921	67.5573	0.06233
60.66	0.03509	67.577	0.07742
60.68	0.02102	67.5966	0.06241
60.7	0.02403	67.6163	0.065
60.72	0.01236	67.6359	0.09713
60.74	0.03333	67.6556	0.1179
60.76	0.03124	67.6752	0.05348
60.78	0.02137	67.6949	0.07936
60.8	0.01689	67.7145	0.04845
60.82	0.016	67.7342	0.05388
60.84	0.03337	67.7539	0.04228
60.86	0.00164	67.7735	0.02387
60.88	0.02171	67.7932	0.02419
60.9	0.01454	67.8128	0.07279
60.92	0.00437	67.8325	0.05551
60.94	0.01366	67.8521	0.07799
60.96	0.02744	67.8718	0.06638

60.98	0.01098	67.8914	0.02411
61	0.01039	67.9111	0.10395
61.02	0.01968	67.9307	0.0861
61.04	0.0116	67.9504	0.09665
61.06	0.03107	67.97	0.15774
61.08	0.01312	67.9897	0.03141
61.1	0.02989	68.0094	0.09478
61.12	0.01703	68.029	0.04512
61.14	0.02003	68.0487	0.11985
61.16	0.02064	68.0683	0.04748
61.18	0.01825	68.088	0.04894
61.2	0.02066	68.1076	0.12708
61.22	0.01857	68.1273	0.22623
61.24	0.02756	68.1469	0.11637
61.26	0.01021	68.1666	0.06216
61.28	0.01022	68.1862	0.13121
61.3	0.01921	68.2059	0.15198
61.32	0.03269	68.2255	0.1648
61.34	0.01863	68.2452	0.21852
61.36	0.0345	68.2649	0.15353
61.38	0.01236	68.2845	0.14079
61.4	0.01087	68.3042	0.1803
61.42	0.02315	68.3238	0.16359
61.44	0.02975	68.3435	0.09973
61.46	0.02826	68.3631	0.18809
61.48	0.01779	68.3828	0.1816
61.5	0.03397	68.4024	0.1541
61.52	1.44E-04	68.4221	0.22712
61.54	0.02021	68.4417	0.19905
61.56	0.0295	68.4614	0.24481
61.58	0.01275	68.481	0.24684
61.6	0.03012	68.5007	0.25284
61.62	0.02414	68.5204	0.23613
61.64	0.02774	68.54	0.22736
61.66	0.02805	68.5597	0.35946
61.68	0.01818	68.5793	0.31662
61.7	0.02358	68.599	0.29933
61.72	0.00383	68.6186	0.38883
61.74	0.02	68.6383	0.38518
61.76	0.0251	68.6579	0.35199
61.78	0.01882	68.6776	0.48408
61.8	0.03171	68.6972	0.36911
61.82	0.00956	68.7169	0.39954
61.84	0.02633	68.7365	0.31637
61.86	0.02694	68.7562	0.43427
61.88	0.01857	68.7758	0.37723
61.9	0.00989	68.7955	0.35937

61.92	0.04164	68.8152	0.3614
61.94	0.01321	68.8348	0.30095
61.96	0.04166	68.8545	0.32002
61.98	0.0243	68.8741	0.33569
62	0.03269	68.8938	0.25876
62.02	0.01324	68.9134	0.26818
62.04	0.02613	68.9331	0.25998
62.06	0.01925	68.9527	0.28189
62.08	0.02674	68.9724	0.24302
62.1	0.03034	68.992	0.22688
62.12	0.03784	69.0117	0.17722
62.14	0.01629	69.0313	0.21958
62.16	0.02109	69.051	0.19718
62.18	0.0196	69.0707	0.15491
62.2	0.01692	69.0903	0.13819
62.22	0.03399	69.11	0.12602
62.24	0.01813	69.1296	0.17406
62.26	0.01784	69.1493	0.11645
62.28	0.02174	69.1689	0.15596
62.3	0.02474	69.1886	0.05803
62.32	0.02924	69.2082	0.11629
62.34	0.01818	69.2279	0.15182
62.36	0.01639	69.2475	0.08343
62.38	0.02418	69.2672	0.04058
62.4	0.01581	69.2868	0.0676
62.42	0.02001	69.3065	0.05259
62.44	0.0305	69.3262	0.08756
62.46	0.02092	69.3458	0.04756
62.48	0.04459	69.3655	0.10639
62.5	0.044	69.3851	0.12375
62.52	0.01197	69.4048	0.00253
62.54	0.02395	69.4244	0.07783
62.56	0.03265	69.4441	0.11166
62.58	0.02128	69.4637	0.03304
62.6	0.00332	69.4834	0.08846
62.62	0.02549	69.503	0.07061
62.64	0.0225	69.5227	0.07207
62.66	0.02221	69.5423	-0.00883
62.68	0.0336	69.562	0.06476
62.7	0.01295	69.5817	0.02079
62.72	0.01505	69.6013	0.02509
62.74	0.02255	69.621	0.04302
62.76	0.01597	69.6406	0.03085
62.78	0.01927	69.6603	0.00902
62.8	0.04084	69.6799	0.06955
62.82	0.01779	69.6996	0.00399
62.84	0.0202	69.7192	0.04351

62.86	0.00554	69.7389	-0.00615
62.88	0.00554	69.7585	0.01689
62.9	0.0298	69.7782	0.05414
62.92	0.02772	69.7978	0.04878
62.94	0.03581	69.8175	0.04172
62.96	0.03043	69.8371	-0.00737
62.98	0.03104	69.8568	0.08667
63	0.0062	69.8765	0.03247
63.02	0.00976	69.8961	9.89E-04
63.04	0.02724	69.9158	0.01097
63.06	0.00401	69.9354	0.03458
63.08	0.01192	69.9551	0.06047
63.1	-0.00234	69.9747	0.01024
63.12	0.01635	69.9944	0.11848
63.14	0.00659	70.014	0.08359
63.16	0.0076	70.0337	0.01462
63.18	0.00982	70.0533	0.11264
63.2	0.01802	70.073	0.01925
63.22	0.01725	70.0926	0.00424
63.24	0.00659	70.1123	0.08351
63.26	0.00132	70.132	-0.0184
63.28	0.00653	70.1516	0.06428
63.3	0.00934	70.1713	0.08335
63.32	0.02174	70.1909	0.02915
63.34	0.01018	70.2106	-0.02165
63.36	0.0091	70.2302	0.03893
63.38	0.00593	70.2695	0.08681
63.4	0.01503	70.2892	0.0139
63.42	0.00766	70.3088	-0.01072
63.44	0.02605	70.3285	0.02373
63.46	0.01808	70.3481	0.05477
63.48	0.02689	70.3678	0.1
63.5	0.02521	70.3875	0.07084
63.52	-0.00251	70.4071	0.05927
63.54	0.01078	70.4268	0.07498
63.56	0.01	70.4464	0.03843
63.58	0.02449	70.4661	0.03369
63.6	0.01144	70.4857	0.07892
63.62	0.01934	70.5054	0.06055
63.64	0.01916	70.525	0.03536
63.66	0.01509	70.5447	0.03743
63.68	0.00353	70.5643	0.01735
63.7	0.02401	70.584	0.03873
63.72	0.00737	70.6036	0.07091
63.74	0.01587	70.6233	0.05537
63.76	0.03335	70.643	-0.0039
63.78	0.0206	70.6626	-0.02284

63.8	0.01862	70.6823	0.01104
63.82	0.01844	70.7019	-0.00166
63.84	0.01826	70.7216	0.04187
63.86	0.01659	70.7412	0.04281
63.88	0.01012	70.7609	-0.00624
63.9	0.00964	70.7805	-0.01609
63.92	0.02892	70.8002	0.07913
63.94	0.02575	70.8198	0.0511
63.96	0.02557	70.8395	0.01852
63.98	0.03078	70.8591	-0.02541
64	0.03718	70.8984	0.01565
64.02	0.01605	70.9181	0.0234
64.04	0.04162	70.9378	0.03911
64.06	0.04323	70.9574	-0.02244
64.08	0.02509	70.9771	0.05915
64.1	0.03629	70.9967	0.07429
64.12	0.04778	71.0164	-0.01111
64.14	0.03144	71.036	0.08127
64.16	0.02227	71.0557	0.05494
64.18	0.03108	71.0753	0.04338
64.2	0.03299	71.095	0.07045
64.22	0.0394	71.1146	0.01686
64.24	0.04102	71.1343	0.0354
64.26	0.03156	71.1539	0.04031
64.28	0.04784	71.1736	0.0208
64.3	0.03329	71.1933	0.00867
64.32	0.03401	71.2129	0.04028
64.34	0.06108	71.2522	0.02966
64.36	0.05611	71.2719	0.07376
64.38	0.04575	71.3112	0.03473
64.4	0.05455	71.3308	0.01693
64.42	0.06754	71.3505	0.02922
64.44	0.09341	71.3701	0.0171
64.46	0.07197	71.3898	0.0044
64.48	0.0679	71.4094	0.06781
64.5	0.06862	71.4291	-0.01815
64.52	0.06215	71.4488	0.05492
64.54	0.07605	71.4684	0.00928
64.56	0.07167	71.5077	0.05545
64.58	0.0706	71.5274	0.01493
64.6	0.08569	71.547	-6.08E-04
64.62	0.05587	71.5667	0.05599
64.64	0.07455	71.5863	-0.01918
64.66	0.09383	71.606	0.0482
64.68	0.09335	71.6256	-0.01107
64.7	0.0767	71.6453	0.04155
64.72	0.0864	71.6649	-0.01147

64.74	0.0994	71.6846	0.0599
64.76	0.06778	71.7043	0.04834
64.78	0.05593	71.7239	0.04021
64.8	0.07042	71.7436	0.03189
64.82	0.06485	71.7632	0.04914
64.84	0.06287	71.7829	0.034
64.86	0.06569	71.8025	0.02057
64.88	0.04515	71.8222	0.05144
64.9	0.06623	71.8418	-0.02617
64.92	0.05886	71.8615	0.02685
64.94	0.05539	71.8811	-0.00533
64.96	0.07197	71.9008	-0.0057
64.98	0.05233	71.9204	0.01211
65	0.07311	71.9597	0.0642
65.02	0.06335	71.9794	0.05076
65.04	0.06257	71.9991	0.05437
65.06	0.05311	72.0187	0.02106
65.08	0.03347	72.0384	0.02694
65.1	0.03958	72.058	0.03964
65.12	0.02383	72.0777	0.01144
65.14	0.04671	72.0973	0.02243
65.16	0.04982	72.117	-9.11E-05
65.18	0.05593	72.1366	0.04214
65.2	0.04976	72.1759	-0.02846
65.22	0.04659	72.1956	0.07454
65.24	0.04491	72.2152	0.03499
65.26	0.03844	72.2349	0.05677
65.28	0.03198	72.2546	0.08934
65.3	0.04317	72.2939	0.05226
65.32	0.02443	72.3135	0.0695
65.34	0.02395	72.3332	0.02426
65.36	0.0118	72.3725	0.04908
65.38	0.03078	72.3921	0.06462
65.4	0.01293	72.4118	0.0563
65.42	0.02593	72.4314	0.04627
65.44	0.02874	72.4511	0.04477
65.46	0.02467	72.4707	0.06769
65.48	0.03497	72.4904	0.02188
65.5	0.04736	72.5101	-0.00745
65.52	0.03251	72.5297	0.05749
65.54	0.04401	72.5494	0.04293
65.56	0.03485	72.569	0.03575
65.58	0.03257	72.5887	0.02004
65.6	0.03239	72.6083	0.04807
65.62	0.0373	72.628	0.00908
65.64	0.02126	72.6476	0.01723
65.66	0.03904	72.6673	0.0464



65.68	0.03706	72.6869	0.06989
65.7	0.03569	72.7066	0.00477
65.72	0.02114	72.7262	0.04018
65.74	0.03293	72.7459	-0.01244
65.76	0.01569	72.7656	0.02979
65.78	0.02599	72.7852	0.04192
65.8	0.02461	72.8049	0.05291
65.82	0.04808	72.8245	-8.45E-04
65.84	0.02575	72.8638	-0.01294
65.86	0.01329	72.8835	0.0202
65.88	0.04485	72.9031	0.01756
65.9	0.02431	72.9228	-0.00212
65.92	0.02593	72.9424	-0.01441
65.94	0.02245	72.9621	0.00623
65.96	0.01419	72.9817	-0.01572
65.98	0.03048	73.0014	0.0072
66	0.02192	73.0407	0.02009
66.02	0.03521	73.0604	0.01973
66.04	0.02964	73.08	0.008
66.06	0.02287	73.0997	0.02524
66.08	0.03467	73.1193	0.04077
66.1	0.04377	73.139	0.00689
66.12	0.01784	73.1586	0.00426
66.14	0.03862	73.1783	0.03853
66.16	0.0121	73.1979	0.03078
66.18	0.03018	73.2176	0.0094
66.2	0.03389	73.2372	0.01017
66.22	0.03461	73.2569	0.03081
66.24	0.02186	73.2765	0.03612
66.26	0.02407	73.2962	0.05166
66.28	0.0179	73.3159	0.05981
66.3	0.02401	73.3355	0.00605
66.32	0.01605	73.3552	0.02897
66.34	0.02844	73.3748	0.03315
66.36	0.02168	73.4141	0.02844
66.38	0.03347	73.4338	0.03943
66.4	0.02072	73.4534	0.01634
66.42	0.02263	73.4731	0.0438
66.44	0.02844	73.4927	0.07808
66.46	0.02707	73.5124	-0.0126
66.48	0.03168	73.532	0.0268
66.5	0.0315	73.5517	0.07129
66.52	0.01695	73.5714	0.02322
66.54	0.03982	73.591	0.00638
66.56	0.04144	73.6107	0.01623
66.58	0.02748	73.6303	-0.0131
66.6	0.02072	73.65	0.04276

66.62	0.03042	73.6696	0.0458
66.64	0.01557	73.6893	0.06133
66.66	0.01748	73.7089	0.02462
66.68	0.0221	73.7286	0.02425
66.7	0.03539	73.7482	0.0324
66.72	0.01335	73.7679	0.03601
66.74	0.02635	73.7875	0.04246
66.76	0.03425	73.8072	0.0648
66.78	0.02569	73.8268	0.02979
66.8	0.0318	73.8465	0.04419
66.82	0.02263	73.8662	8.92E-05
66.84	0.02096	73.8858	-0.02129
66.86	0.02886	73.9055	0.01355
66.88	0.03198	73.9251	0.00751
66.9	0.03659	73.9448	0.02985
66.92	0.0406	73.9644	0.0221
66.94	0.02695	73.9841	0.0507
66.96	0.03635	74.0037	0.03216
66.98	0.04605	74.0234	0.01986
67	0.0294	74.0627	0.02481
67.02	0.03521	74.0823	0.02614
67.04	0.05808	74.102	0.02918
67.06	0.03335	74.1217	0.0538
67.08	0.04964	74.1413	-0.02211
67.1	0.03838	74.161	0.04739
67.12	0.03401	74.1806	-0.01659
67.14	0.04461	74.2003	0.03643
67.16	0.03305	74.2199	0.04742
67.18	0.0173	74.2396	0.01468
67.2	0.01383	74.2592	0.02113
67.22	0.04	74.2789	0.00315
67.24	0.02695	74.2985	0.03232
67.26	0.04413	74.3182	0.01661
67.28	0.05233	74.3378	0.01908
67.3	0.04916	74.3575	0.04144
67.32	0.02323	74.3772	0.0547
67.34	0.05209	74.3968	0.03161
67.36	0.04144	74.4165	-0.00227
67.38	0.02748	74.4361	0.04962
67.4	0.04766	74.4558	0.01631
67.4	0.05275	74.4754	0.03752
67.42	0.05257	74.5147	0.05155
67.44	0.05269	74.5344	-0.00107
67.46	0.04952	74.554	0.00197
67.48	0.05413	74.5737	0.03341
67.5	0.05275	74.613	0.00541
67.52	0.06754	74.6327	0.01186

67.54	0.07126	74.6523	0.00979
67.56	0.04712	74.672	-0.00308
67.58	0.05533	74.6916	0.0596
67.6	0.06802	74.7113	-0.00665
67.62	0.05407	74.7309	0.03387
67.64	0.05539	74.7506	0.04032
67.66	0.07018	74.7702	-0.0123
67.68	0.04305	74.7899	-0.00813
67.7	0.06233	74.8095	0.05626
67.72	0.05976	74.8292	0.02351
67.74	0.07245	74.8488	-0.01605
67.76	0.06928	74.8685	-0.00164
67.78	0.06281	74.8881	-0.02701
67.8	0.07311	74.9078	0.04874
67.82	0.05886	74.9275	0.02735
67.84	0.06527	74.9471	0.00427
67.86	0.07317	74.9668	0.04025
67.88	0.05503	74.9864	0.03477
67.9	0.08718	75.0061	0.03156
67.92	0.08042	75.0257	0.04255
67.94	0.06497	75.0454	0.01435
67.96	0.07736	75.065	-0.00306
67.98	0.08167	75.0847	0.01702
68	0.07072	75.1043	-0.01004
68.02	0.09419	75.124	0.0214
68.04	0.09072	75.1436	0.03182
68.06	0.08964	75.1633	-0.01966
68.08	0.08736	75.2026	-0.01699
68.1	0.07102	75.2419	-0.01318
68.12	0.0882	75.2812	0.03777
68.14	0.07036	75.3009	0.0266
68.16	0.07856	75.3205	-0.01693
68.18	0.08317	75.3402	0.00826
68.2	0.07491	75.3598	0.05049
68.22	0.06784	75.3795	0.04614
68.24	0.06257	75.3991	0.06452
68.26	0.08365	75.4188	0.06075
68.28	0.06311	75.4581	0.01457
68.3	0.07161	75.4778	0.02102
68.32	0.05257	75.4974	2.06E-04
68.34	0.08024	75.5171	-0.01209
68.36	0.06239	75.5367	0.02844
68.38	0.05982	75.5564	0.01727
68.4	0.05066	75.576	0.026
68.42	0.05617	75.5957	0.02562
68.44	0.06706	75.635	0.06067
68.46	0.04233	75.6546	0.0126

68.48	0.04904	75.6743	0.01904
68.5	0.05245	75.694	0.01015
68.52	0.04778	75.7136	0.02115
68.54	0.05659	75.7333	-0.00592
68.56	0.04114	75.7529	-0.02332
68.58	0.03497	75.7726	-0.01688
68.6	0.03689	75.7922	-0.02349
68.62	0.02922	75.8119	0.00908
68.64	0.03862	75.8315	0.06438
68.66	0.02976	75.8512	0.03447
68.68	0.03587	75.8708	0.02843
68.7	0.01293	75.8905	0.0184
68.72	0.02922	75.9101	0.02485
68.74	0.02425	75.9298	0.00404
68.76	0.04413	75.9494	0.02582
68.78	0.05443	75.9691	-0.02737
68.8	0.0276	75.9888	0.03757
68.82	0.0418	76.0084	0.02131
68.84	0.04251	76.0281	0.06012
68.86	0.03724	76.0477	0.05805
68.88	0.02599	76.0674	0.006
68.9	0.02341	76.087	0.06413
68.92	0.02293	76.1067	0.02401
68.94	0.0476	76.146	0.04485
68.96	0.02227	76.1656	0.0638
68.98	0.02479	76.1853	0.01061
69	0.02401	76.2246	0.03316
69.02	0.02593	76.2443	-0.0064
69.04	0.03084	76.2639	0.00346
69.06	0.02557	76.2836	0.03092
69.08	0.01042	76.3032	0.06349
69.1	0.02461	76.3229	0.06426
69.12	0.01904	76.3425	0.04742
69.14	0.02365	76.3622	0.03512
69.16	0.01838	76.3818	0.02283
69.18 --		76.4015	0.02416
69.2	0.0279	76.4211	0.01187
69.22	0.02473	76.4408	0.04785
69.24	0.02635	76.4604	0.00375
69.26	0.0094	76.4998	0.04504
69.28	0.02689	76.5194	0.00378
69.3	0.0309	76.5391	0.01932
69.32	0.03162	76.5587	0.04848
69.34	0.00599	76.5784	0.0413
69.36	0.02826	76.598	0.00401
69.38	0.0173	76.6177	0.04056
69.4	0.00425	76.6373	0.03679

69.42	0.01964	76.657	0.01881
69.44	0.02605	76.6766	-0.01279
69.46	0.02976	76.6963	0.03
69.48	0.02329	76.7159	-0.01467
69.5	0.01563	76.7356	0.04006
69.52	0.02263	76.7553	-0.00632
69.54	0.01796	76.7749	0.06602
69.56	0.02108	76.7946	0.05997
69.58	0.00623	76.8142	-0.00912
69.6	0.00695	76.8339	0.00414
69.62	0.02383	76.8535	-0.01611
69.64	0.01407	76.8732	-0.00455
69.66	0.01269	76.9125	-7.43E-04
69.68	0.02988	76.9321	0.01593
69.7	0.00395	76.9518	0.0644
69.72	0.02174	76.9714	0.00156
69.74	0.03293	76.9911	0.03243
69.76	0.01509	77.0107	-0.00429
69.78	0.00892	77.0304	0.01466
69.8	0.00754	77.0501	0.01031
69.82	0.01126	77.0697	0.01392
69.84	0.00629	77.0894	0.06069
69.86	0.01898	77.109	0.04556
69.88	0.01371	77.1287	0.05144
69.9	0.00784	77.1483	0.05277
69.92	0.02802	77.168	0.03082
69.94	0.01527	77.1876	0.05431
69.96	0.01239	77.2073	0.02611
69.98	0.01371	77.2269	-0.01004
70	0.02102	77.2466	0.02253
70.02	0.01575	77.2662	0.04375
70.04	0.01228	77.2859	0.02464
70.06	0.00731	77.3056	0.05948
70.08	0.00234	77.3252	0.01709
70.1	0.01982	77.3842	0.01485
70.12	0.00796	77.4038	0.02925
70.14 --		77.4235	0.03285
70.16	0.02227	77.4431	0.02169
70.18	0.01132	77.4628	-0.00764
70.2	-2.40E-04	77.4824	0.02777
70.22	0.01365	77.5021	0.03024
70.24	0.03802	77.5217	-0.00647
70.26	0.0106	77.5414	0.05904
70.28	0.02659	77.5611	-0.00437
70.3	0.00964	77.5807	0.05547
70.32	-0.00102	77.6004	-0.02555
70.34	0.00898	77.62	-0.0174

70.36	0.01958	77.6397	0.03959
70.38	0.01371	77.6593	0.03923
70.4	0.00605	77.679	0.00705
70.42	0.01156	77.6986	-0.01092
70.44	0.01677	77.7183	-0.0022
70.46	0.00192	77.7379	0.00141
70.48	0.01162	77.7576	0.00728
70.5	0.00784	77.7772	0.01884
70.52	0.01784	77.7969	-0.00481
70.54	0.00539	77.8166	0.01356
70.56	0.00222	77.8362	0.02115
70.58	0.02299	77.8559	0.04293
70.6	0.01503	77.8755	0.01303
70.62	0.02114	77.8952	-0.00754
70.64	0.00719	77.9148	0.0682
70.66	0.03305	77.9345	0.0241
70.68	0.00413	77.9541	0.00157
70.7	0.01263	77.9738	0.05289
70.72	-0.00491	77.9934	-0.002
70.74	0.01407	78.0131	0.04989
70.76	0.01269	78.0327	0.0569
70.78	0.02299	78.0524	0.0145
70.8	3.59E-04	78.072	-0.00461
70.82	0.02233	78.0917	0.05352
70.84	0.00808	78.1114	-0.00194
70.86	0.01599	78.131	0.01019
70.88	0.01641	78.1507	0.0598
70.9	-0.00443	78.1703	0.01059
70.92	0.00108	78.19	0.06872
70.94	0.01347	78.2096	0.02292
70.96	0.01269	78.2293	0.04413
70.98	0.00503	78.2489	0.03354
71	0.00784	78.2686	0.03317
71.02	0.01605	78.2882	0.05268
71.04	0.01078	78.3079	0.0171
71.06	0.01479	78.3275	0.06614
71.08	0.00563	78.3472	0.05726
71.1	0.01383	78.3669	0.02508
71.12	0.00766	78.3865	0.05595
71.14	0.00778	78.4062	-0.01882
71.16	0.01509	78.4258	0.05465
71.18	-0.00365	78.4455	0.06905
71.2	0.01802	78.4651	0.04312
71.22	0.00587	78.4848	0.03878
71.24	0.0018	78.5044	-0.00532
71.26	0.0106	78.5241	0.01816
71.28	0.00473	78.5437	0.01609

71.3	0.01772	78.6027	-0.01796
71.32	0.00108	78.6224	0.02825
71.34	0.01527	78.642	0.0063
71.36	0.01778	78.6617	0.03489
71.38	0.0203	78.6813	0.05611
71.4	-2.40E-04	78.701	0.05291
71.42	0.01605	78.7206	0.05594
71.44	0.00479	78.7403	-0.00236
71.46	0.00581	78.7599	0.01545
71.48	0.01431	78.7796	0.00429
71.5	-0.01012	78.7992	0.03857
71.52	0.02772	78.8189	0.03877
71.54	0.00689	78.8385	0.07418
71.56	0.0109	78.8582	0.05393
71.58	0.0188	78.8779	0.06038
71.6	9.58E-04	78.8975	0.0532
71.62	0.02503	78.9172	0.02329
71.64	0.01317	78.9368	0.01043
71.66	0.0094	78.9565	0.04982
71.68	-3.59E-04	78.9761	0.05854
71.7	0.00874	78.9958	0.08089
71.72	0.00737	79.0154	0.09245
71.74	0.01527	79.0351	0.06369
71.76	0.00461	79.0547	0.09853
71.78	0.01162	79.0744	0.00445
71.8	0.01353	79.094	0.11029
71.82	0.00677	79.1137	0.073
71.84	0.01018	79.1333	0.09422
71.86	0.02826	79.153	0.05523
71.88	0.0194	79.1727	0.07019
71.9	0.01473	79.1923	0.06244
71.92	0.00467	79.212	0.04901
71.94	0.00868	79.2316	0.11566
71.96	0.0079	79.2513	0.04885
71.98	0.01222	79.2709	0.06324
72	0.00814	79.2906	-0.00301
72.02	0.01994	79.3102	0.01309
72.04	0.00509	79.3299	0.08543
72.06	0.00671	79.3495	0.06972
72.08	0.00503	79.3692	0.04209
72.1	0.02491	79.3888	0.05024
72.12	0.01844	79.4085	0.07714
72.14	0.01856	79.4282	0.03247
72.16	0.00162	79.4478	0.04005
72.18	0.0188	79.4675	0.12204
72.2	0.00246	79.4871	0.07339
72.22	0.01245	79.5068	0.11051

72.24	-0.00269	79.5264	0.0488
72.26	0.0109	79.5461	0.08138
72.28	0.01222	79.5657	0.00717
72.3	0.01653	79.5854	0.03293
72.32	0.01186	79.605	0.05471
72.34	0.00269	79.6247	0.05264
72.36	0.00132	79.6443	0.05965
72.38	0.00293	79.664	0.08144
72.4	0.00216	79.6837	0.02938
72.42	0.01186	79.7033	0.02504
72.44	0.00719	79.723	0.0241
72.46	0.03066	79.7426	0.06009
72.48	0.00862	79.7623	0.06767
72.5	0.01475	79.7819	0.06844
72.52	0.01155	79.8016	0.02661
72.54	0.01644	79.8212	0.05123
72.56	0.01654	79.8409	0.06336
72.58	0.01934	79.8605	0.0255
72.6	0.00537	79.8802	0.01151
72.62	0.01774	79.8998	0.02079
72.64	4.75E-04	79.9195	0.02326
72.66	0.00866	79.9392	0.07344
72.68	0.01475	79.9588	0.03786
72.7	0.01575	79.9785	0.02841
72.72	0.01555	79.9981	-0.00604
72.74	0.01145	80.0178	0.0254
72.76	0.01575	80.0374	6.08E-04
72.78	0.02423	80.0571	0.03205
72.8	0.01265	80.0767	0.05724
72.82	0.01036	80.0964	0.03074
72.84	0.02273	80.116	0.03776
72.86	0.00397	80.1357	0.00161
72.88	0.02832	80.1553	0.02055
72.9	0.01585	80.175	0.11163
72.92	0.00936	80.1946	0.09195
72.94	0.01754	80.2143	0.05125
72.96	0.02902	80.234	0.04236
72.98	0.01265	80.2536	-0.00628
73	0.00766	80.2733	0.1166
73.02	0.02962	80.2929	0.08897
73.04	0.01625	80.3126	0.02272
73.06	0.00707	80.3322	0.07119
73.08	0.01555	80.3519	0.09355
73.1	0.01685	80.3715	0.01025
73.12	0.01395	80.3912	-0.00829
73.14	2.81E-04	80.4108	-0.00128
73.16	0.02074	80.4305	0.08128



73.18	0.02204	80.4501	0.04456
73.2	0.01914	80.4698	0.06975
73.22	0.00936	80.4895	0.05462
73.24	0.01216	80.5091	0.13774
73.26	-3.17E-04	80.5288	0.0499
73.28	0.00697	80.5484	0.02
73.3	0.02354	80.5681	0.0753
73.32	0.02184	80.5877	0.01984
73.34	0.01505	80.6074	0.05809
73.36	0.01246	80.627	0.09009
73.38	-6.15E-04	80.6467	0.03804
73.4	0.02194	80.6663	0.0181
73.42	0.00887	80.686	0.02905
73.44	0.00448	80.7056	0.05306
73.46	0.00517	80.7843	0.01279
73.48	0.02144	80.8039	0.00954
73.5	0.00478	80.8236	0.05741
73.52	3.84E-04	80.8432	0.02235
73.54	0.00977	80.8629	0.01399
73.56	0.00987	80.8825	0.0255
73.58	0.01056	80.9022	0.01373
73.6	0.01246	80.9218	0.00764
73.62	0.00238	80.9415	0.05608
73.64	0.00458	80.9611	0.05737
73.66	0.01186	81	0.07927
73.68	0.00777	81.0197	0.06014
73.7	0.03033	81.059	0.12399
73.72	0.01486	81.0786	0.07025
73.74	0.00448	81.0983	0.03637
73.76	0.00967	81.1179	0.0683
73.78	0.01576	81.1376	0.04123
73.8	0.00987	81.1572	0.02777
73.82	0.01206	81.1769	0.07501
73.84	0.01995	81.1965	0.0122
73.86	0.00987	81.2162	0.03675
73.88	0.02943	81.2358	0.0352
73.9	0.00917	81.2555	0.06656
73.92	0.01376	81.2752	0.06842
73.94	0.00787	81.2948	0.03057
73.96	0.01216	81.3145	0.06817
73.98	0.00957	81.3341	0.04507
74	0.01925	81.3538	0.08948
74.02	0.00947	81.3734	0.07318
74.04	0.00298	81.3931	0.00469
74.06	0.00608	81.4127	0.06669
74.08	0.01157	81.4324	0.03451
74.1	0.00269	81.452	0.05622

74.12	0.02584	81.4717	0.08475
74.14	0.00827	81.4913	0.05824
74.16	0.00508	81.511	0.07769
74.18	0.01416	81.5306	0.05288
74.2	0.01396	81.5503	0.0451
74.22	0.00568	81.57	0.01008
74.24	0.00698	81.5896	0.0664
74.26	0.01037	81.6093	0.06769
74.28	0.00508	81.6289	0.06898
74.3	0.0438	81.6486	0.01922
74.32	0.02025	81.6682	0.09256
74.34	0.01796	81.7075	0.12351
74.36	0.02075	81.7272	0.03176
74.38	0.00379	81.7468	0.14198
74.4	0.01167	81.7665	0.07519
74.42	-0.00619	81.7861	0.03167
74.44	0.00199	81.8058	0.11579
74.46	0.02724	81.8255	0.09041
74.48	0.01237	81.8451	0.13596
74.5	-0.0016	81.8648	0.05272
74.52	0.01197	81.8844	0.03983
74.54	0.00848	81.9041	0.06552
74.56	0.00888	81.9237	0.07248
74.58	0.01706	81.9434	0.00796
74.6	-2.04E-04	81.963	0.14711
74.62	0.01247	81.9827	0.15011
74.64	0.01317	82.0023	0.10998
74.66	0.01956	82.022	0.10957
74.68	0.0502	82.0416	0.13866
74.7	0.01048	82.0613	0.22278
74.72	0.01596	82.081	0.1055
74.74	0.01068	82.1006	0.18395
74.76	0.00658	82.1203	0.20454
74.78	0.00818	82.1399	0.17122
74.8	0.01816	82.1596	0.17819
74.82	0.00898	82.1792	0.20954
74.84	0.00549	82.1989	0.17793
74.86	0.00349	82.2185	0.20418
74.88	0.01138	82.2382	0.21966
74.9	0.01028	82.2578	0.16365
74.92	0.00229	82.2775	0.24891
74.94	0.0012	82.2971	0.19403
74.96	0.01866	82.3168	0.23107
74.98	0.01577	82.3365	0.22725
75	0.01138	82.3561	0.24273
75.02	0.01776	82.3758	0.19297
75.04	0.01906	82.3954	0.24418

75.06	0.01497	82.4151	0.34645
75.08	0.00848	82.4347	0.26548
75.1	0.01248	82.4544	0.26224
75.12	0.01138	82.474	0.2709
75.14	0.00549	82.4937	0.29432
75.16	0.01128	82.5133	0.26895
75.18	0.01347	82.533	0.31109
75.2	0.01417	82.5526	0.35493
75.22	0.01098	82.5723	0.3131
75.24	0.01138	82.5919	0.36829
75.26	0.01058	82.6116	0.38433
75.28	0.01098	82.6313	0.393
75.3	0.0015	82.6509	0.36876
75.32	0.01627	82.6706	0.45969
75.34	0.01697	82.6902	0.51601
75.36	0.00869	82.7099	0.47305
75.38	0.00549	82.7295	0.50611
75.4	-0.00369	82.7492	0.50854
75.42	0.00988	82.7688	0.47182
75.44	0.02076	82.7885	0.58658
75.46	0.00739	82.8081	0.56064
75.48	0.01438	82.8278	0.49782
75.5	0.0025	82.8474	0.52861
75.52	0.01098	82.8671	0.51743
75.54	0.00899	82.8868	0.56921
75.56	0.01028	82.9064	0.52852
75.58	0.01637	82.9261	0.45606
75.6	-2.93E-04	82.9457	0.54188
75.62	0.0031	82.9654	0.49042
75.64	0.02146	82.985	0.48433
75.66	0.02276	83.0047	0.47768
75.68	0.00969	83.0243	0.45571
75.7	0.01907	83.044	0.43318
75.72	0.003	83.0636	0.44128
75.74	0.02166	83.0833	0.39321
75.76	0.00919	83.1029	0.33267
75.78	0.01498	83.1226	0.36346
75.8	0.02645	83.1423	0.36645
75.82	0.01997	83.1619	0.30761
75.84	0.00689	83.1816	0.34294
75.86	0.01448	83.2012	0.30906
75.88	0.02476	83.2209	0.26781
75.9	0.003	83.2405	0.24867
75.92	0.01538	83.2602	0.27436
75.94	0.01099	83.2798	0.23197
75.96	0.01228	83.2995	0.3002
75.98	0.02167	83.3191	0.26348

76	0.00859	83.3388	0.254
76.02	0.01378	83.3584	0.25189
76.04	0.01867	83.3781	0.19304
76.06	0.01099	83.3978	0.16654
76.08	0.01648	83.4174	0.19449
76.1	0.01688	83.4371	0.17536
76.12	0.0056	83.4567	0.16701
76.14	0.03833	83.4764	0.12689
76.16	0.02167	83.496	0.1798
76.18	-9.86E-04	83.5157	0.155
76.2	0.01109	83.5353	0.12622
76.22	0.01987	83.555	0.1417
76.24	0.00949	83.5746	0.13278
76.26	0.0042	83.5943	0.1023
76.28	0.02287	83.6139	0.14557
76.3	0.02087	83.6336	0.20473
76.32	0.01798	83.6532	0.15043
76.34	0.01838	83.6729	0.12506
76.36	0.01937	83.6926	0.08777
76.38	0.01169	83.7122	0.09701
76.4	0.02526	83.7319	0.14879
76.42	0.01518	83.7515	0.05477
76.44	0.01289	83.7712	0.05153
76.46	0.02227	83.7908	0.10444
76.48	0.02596	83.8105	0.07794
76.5	0.01708	83.8301	0.0815
76.52	0.00999	83.8498	0.05102
76.54	0.02267	83.8694	0.09486
76.56	0.02816	83.8891	0.06609
76.58	0.01538	83.9087	0.07815
76.6	0.0056	83.9284	0.0959
76.62	0.02636	83.9481	0.06315
76.64	0.01149	83.9677	0.07863
76.66	0.01459	83.9874	0.08219
76.68	0.01618	84.007	0.10163
76.7	0.02167	84.0267	0.04847
76.72	0.01968	84.0463	0.05883
76.74	0.02247	84.066	0.05616
76.76	0.01449	84.0856	0.11134
76.78	0.02147	84.1053	0.07065
76.8	0.03984	84.1249	0.05095
76.82	0.02287	84.1446	0.0982
76.84	0.03135	84.1642	0.09325
76.86	0.01469	84.1839	0.09397
76.88	0.04533	84.2036	0.08846
76.9	0.02387	84.2232	0.06309
76.92	0.02786	84.2429	0.09048

76.94	0.03395	84.2625	0.09063
76.96	0.03345	84.2822	0.07831
76.98	0.03355	84.3018	0.08811
77	0.03245	84.3215	0.05763
77.02	0.03645	84.3411	0.06176
77.04	0.03206	84.3608	0.02958
77.06	0.02257	84.3804	0.03541
77.08	0.01639	84.4001	0.07812
77.1	0.02607	84.4197	0.03913
77.12	0.02407	84.4394	0.05517
77.14	0.02357	84.4591	0.07291
77.16	0.05002	84.4787	0.06456
77.18	0.02797	84.4984	0.03352
77.2	0.04902	84.518	0.0802
77.22	0.03325	84.5377	0.08092
77.24	0.02737	84.5573	0.07881
77.26	0.05651	84.5966	0.03374
77.28	0.07667	84.6163	0.08722
77.3	0.04204	84.6359	0.05958
77.32	0.04843	84.6556	0.04329
77.34	0.05092	84.6752	0.06046
77.36	0.04713	84.6949	0.10487
77.38	0.06549	84.7145	0.05227
77.4	0.04523	84.7342	0.03938
77.42	0.05491	84.7539	0.07641
77.44	0.04843	84.7735	0.11458
77.46	0.03895	84.8128	0.08256
77.48	0.0597	84.8325	0.08555
77.5	0.05561	84.8521	0.0494
77.52	0.05661	84.8718	0.10175
77.54	0.05491	84.8914	0.05028
77.56	0.0595	84.9111	0.06689
77.58	0.05302	84.9307	0.06534
77.6	0.0639	84.9504	0.08252
77.62	0.05621	84.97	0.0702
77.64	0.05002	84.9897	0.11007
77.66	0.0609	85.0094	0.121
77.68	0.05502	85.029	0.05195
77.7	0.07996	85.0487	0.06232
77.72	0.04144	85.088	0.07738
77.74	0.05561	85.1076	0.09002
77.76	0.0635	85.1273	0.05557
77.78	0.0612	85.1469	0.09771
77.8	0.05412	85.1666	0.06326
77.82	0.06829	85.1862	0.09575
77.84	0.06659	85.2059	0.07038
77.86	0.04214	85.2255	0.0609

77.88	0.05063	85.2452	0.0429
77.9	0.05911	85.2649	0.10206
77.92	0.05592	85.2845	0.06591
77.94	0.06051	85.3042	0.08592
77.96	0.05073	85.3238	0.07984
77.98	0.04933	85.3435	0.11857
78	0.04464	85.4024	0.07423
78.02	0.03306	85.4221	0.1192
78.04	0.04694	85.4417	0.09383
78.06	0.02728	85.4614	0.07583
78.08	0.04953	85.481	0.01132
78.1	0.04993	85.5007	0.04211
78.12	0.05602	85.5204	0.05645
78.14	0.04055	85.5597	0.06414
78.16	0.04095	85.5793	0.09096
78.18	0.03416	85.599	0.0741
78.2	0.04175	85.6186	0.09184
78.22	0.03047	85.6383	0.09087
78.24	0.05602	85.6579	0.04564
78.26	0.03606	85.6776	0.07359
78.28	0.02927	85.6972	0.12197
78.3	0.04434	85.7169	0.05859
78.32	0.01959	85.7365	0.08144
78.34	0.03107	85.7562	0.0867
78.36	0.04225	85.7758	0.04034
78.38	0.02947	85.7955	0.10801
78.4	0.05382	85.8152	0.04292
78.42	0.02369	85.8348	0.12704
78.44	0.02947	85.8545	0.05742
78.46	0.02957	85.8741	0.12452
78.48	0.02039	85.8938	0.04242
78.5	0.00942	85.9134	0.07094
78.52	0.04185	85.9331	0.08188
78.54	0.0177	85.9527	0.04402
78.56	0.0181	85.992	0.06079
78.58	0.03347	86.0117	0.05641
78.6	0.0174	86.0313	0.07472
78.62	0.03157	86.051	0.05899
78.64	0.03107	86.0707	0.10397
78.66	0.03417	86.0903	0.0837
78.68	0.02079	86.11	0.07762
78.7	0.02778	86.1296	0.0392
78.72	0.02279	86.1493	0.09155
78.74	0.03247	86.1689	0.09341
78.76	0.03317	86.1886	0.06293
78.78	0.03058	86.2082	0.08068
78.8	0.02499	86.2279	0.02297

78.82	0.02539	86.2475	0.07929
78.84	0.04076	86.2672	0.03179
78.86	0.01331	86.2868	0.06996
78.88	0.03018	86.3065	0.05991
78.9	0.02938	86.3262	0.08162
78.92	0.04026	86.3458	0.06986
78.94	0.017	86.3655	0.12508
78.96	0.02399	86.3851	0.06741
78.98	0.03008	86.4048	0.1056
79	0.02239	86.4244	0.10749
79.02	0.02669	86.4441	0.10655
79.04	0.02529	86.4637	0.11979
79.06	0.03587	86.4834	0.10352
79.08	0.01741	86.503	0.09917
79.1	0.04744	86.5227	0.10674
79.12	0.0188	86.5423	0.07856
79.14	0.03297	86.562	0.07024
79.16	0.0223	86.5817	0.09142
79.18	0.03198	86.6013	0.11317
79.2	0.01531	86.621	0.10144
79.22	0.01661	86.6406	0.09823
79.24	0.04515	86.6603	0.08253
79.26	0.03058	86.6799	0.14569
79.28	0.02649	86.6996	0.1005
79.3	0.02809	86.7192	0.1177
79.32	0.0195	86.7389	0.05833
79.34	0.019	86.7585	0.14418
79.36	0.02719	86.7782	0.16025
79.38	0.01741	86.7978	0.10541
79.4	0.03278	86.8175	0.11865
79.42	0.03198	86.8371	0.09785
79.44	0.04256	86.8568	0.13264
79.46	0.03098	86.8765	0.12772
79.48	0.03048	86.8961	0.10125
79.5	0.02519	86.9158	0.08896
79.52	0.02739	86.9354	0.12375
79.54	0.03707	86.9551	0.14493
79.56	0.01771	86.9747	0.123
79.58	0.0223	86.9944	0.15212
79.6	0.01522	87.014	0.12167
79.62	0.01981	87.0337	0.09804
79.64	0.01542	87.0533	0.12659
79.66	0.023	87.073	0.15628
79.68	0.03478	87.0926	0.12016
79.7	0.01841	87.1123	0.12545
79.72	0.02809	87.132	0.15457
79.74	0.03298	87.1516	0.15647

79.76	0.0232	87.1713	0.1368
79.78	0.03288	87.1909	0.19088
79.8	0.03118	87.2106	0.1298
79.82	0.03128	87.2302	0.20828
79.84	0.0254	87.2499	0.18521
79.86	0.02969	87.2695	0.20923
79.88	0.01751	87.2892	0.15155
79.9	0.023	87.3088	0.25045
79.92	0.0219	87.3285	0.21603
79.94	0.02739	87.3481	0.23267
79.96	0.01791	87.3678	0.21868
79.98	0.02819	87.3875	0.20695
80	0.03069	87.4071	0.14531
80.02	0.02181	87.4268	0.18237
80.04	0.01742	87.4464	0.17292
80.06	0.0253	87.4661	0.22303
80.08	0.01911	87.4857	0.18691
80.1	0.01951	87.5054	0.20355
80.12	0.0268	87.525	0.20714
80.14	0.03558	87.5447	0.16592
80.16	0.02041	87.5643	0.19107
80.18	0.02261	87.584	0.19977
80.2	0.03528	87.6036	0.16308
80.22	0.01233	87.6233	0.15363
80.24	0.0283	87.643	0.16459
80.26	0.03109	87.6626	0.23229
80.28	0.03059	87.6823	0.19107
80.3	0.0283	87.7019	0.15835
80.32	0.01822	87.7216	0.14549
80.34	0.0258	87.7412	0.24099
80.36	0.01333	87.7609	0.17821
80.38	0.03019	87.7805	0.13245
80.4	0.03179	87.8002	0.20185
80.42	0.0247	87.8198	0.14133
80.44	0.03109	87.8395	0.13698
80.46	0.03059	87.8591	0.15079
80.48	0.02381	87.8788	0.13906
80.5	0.03738	87.8984	0.14606
80.52	0.03119	87.9181	0.1366
80.54	0.05015	87.9378	0.09765
80.56	0.03049	87.9574	0.04054
80.58	0.0264	87.9771	0.08952
80.6	0.03159	87.9967	0.07949
80.62	0.04127	88.0164	0.10351
80.64	0.03389	88.036	0.10767
80.66	0.03429	88.0557	0.06531
80.68	0.0272	88.0753	0.07912



80.7	0.05065	88.095	0.11788
80.72	0.0265	88.1146	0.15324
80.74	0.02331	88.1343	0.06437
80.76	0.03928	88.1539	0.05151
80.78	0.03429	88.1736	0.09254
80.8	0.04577	88.1933	0.07174
80.82	0.03718	88.2129	0.10086
80.84	0.03219	88.2326	0.07098
80.86	0.03888	88.2522	0.0689
80.88	0.04078	88.2719	0.03562
80.9	0.04597	88.2915	0.05907
80.92	0.0296	88.3112	0.07401
80.94	0.0309	88.3308	0.08554
80.96	0.0313	88.3505	0.04545
80.98	0.03409	88.3701	0.036
81	0.03988	88.3898	0.07476
81.02	0.02621	88.4094	0.05396
81.04	0.0299	88.4291	0.05245
81.06	0.04018	88.4488	0.07022
81.08	0.05495	88.4684	0.00234
81.1	0.0308	88.4881	0.04337
81.12	0.04707	88.5077	0.06682
81.14	0.03579	88.5274	0.05283
81.16	0.04786	88.547	0.11258
81.18	0.04946	88.5667	0.04186
81.2	0.03489	88.5863	0.03581
81.22	0.0323	88.606	0.0655
81.24	0.05216	88.6256	0.0481
81.26	0.05525	88.6453	0.02673
81.28	0.05266	88.6649	0.04677
81.3	0.05695	88.6846	0.09065
81.32	0.04777	88.7043	0.02616
81.34	0.05625	88.7239	0.02805
81.36	0.04737	88.7436	0.00725
81.38	0.05735	88.7632	0.06304
81.4	0.06134	88.7829	0.05869
81.42	0.04497	88.8025	0.01916
81.44	0.05795	88.8222	0.00687
81.46	0.04996	88.8418	0.05869
81.48	0.06054	88.8615	0.07136
81.5	0.04358	88.8811	0.07268
81.52	0.06374	88.9008	0.06039
81.54	0.06264	88.9204	0.0254
81.56	0.07322	88.9401	0.07438
81.58	0.06404	88.9597	0.01557
81.6	0.07761	88.9794	0.02881
81.62	0.06454	88.9991	0.02275

81.64	0.0817	89.0187	0.06719
81.66	0.07581	89.0384	0.08043
81.68	0.07561	89.058	0.02502
81.7	0.07482	89.0777	0.09669
81.72	0.07222	89.0973	0.03845
81.74	0.07981	89.117	0.00744
81.76	0.07212	89.1366	0.02067
81.78	0.07402	89.1563	0.06455
81.8	0.07951	89.1759	0.07211
81.82	0.08829	89.1956	0.02918
81.84	0.06893	89.2152	0.00214
81.86	0.08011	89.2349	0.05452
81.88	0.07961	89.2546	0.04393
81.9	0.0851	89.2742	0.07249
81.92	0.0834	89.2939	0.04374
81.94	0.07003	89.3135	0.07173
81.96	0.07582	89.3332	0.04299
81.98	0.07292	89.3528	0.01311
82	0.07242	89.3725	0.04847
82.02	0.09947	89.3921	0.05887
82.04	0.07083	89.4118	0.06133
82.06	0.0832	89.4314	0.02351
82.08	0.07133	89.4511	0.0827
82.1	0.07083	89.4707	0.05622
82.12	0.06284	89.4904	0.05755
82.14	0.07731	89.5101	0.06454
82.16	0.06454	89.5297	0.10785
82.18	0.0865	89.5494	0.04847
82.2	0.06923	89.569	0.07759
82.22	0.07652	89.5887	0.02842
82.24	0.07632	89.6083	0.06322
82.26	0.06504	89.628	0.05376
82.28	0.08251	89.6476	0.04544
82.3	0.05356	89.6673	0.07967
82.32	0.06115	89.6869	0.06057
82.34	0.05885	89.7066	0.09366
82.36	0.06285	89.7262	0.04109
82.38	0.05606	89.7459	0.05887
82.4	0.05017	89.7656	0.08118
82.42	0.06015	89.7852	0.08137
82.44	0.06265	89.8049	0.05433
82.46	0.04419	89.8245	0.01537
82.48	0.07812	89.8442	0.0218
82.5	0.05606	89.8638	0.07816
82.52	0.05466	89.8835	0.03523
82.54	0.04967	89.9031	0.08818
82.56	0.04558	89.9228	0.03334

82.58	0.05197		89.9424	0.06983
82.6	0.05387		89.9621	0.08534
82.62	0.04469		89.9817	0.01008
82.64	0.04		90.0014	0.01027
82.66	0.04279	--	--	
82.68	0.04229	--	--	
82.7	0.0373	--	--	
82.72	0.03171	--	--	
82.74	0.02972	--	--	
82.76	0.0391	--	--	
82.78	0.04129	--	--	
82.8	0.03511	--	--	
82.82	0.03281	--	--	
82.84	0.02782	--	--	
82.86	0.0372	--	--	
82.88	0.0391	--	--	
82.9	0.0404	--	--	
82.92	0.04379	--	--	
82.94	0.02623	--	--	
82.96	0.03291	--	--	
82.98	0.02643	--	--	
83	0.03641	--	--	
83.02	0.0377	--	--	
83.04	0.02613	--	--	
83.06	0.02443	--	--	
83.08	0.03112	--	--	
83.1	0.02104	--	--	
83.12	0.02862	--	--	
83.14	0.03681	--	--	
83.16	0.01685	--	--	
83.18	0.01934	--	--	
83.2	0.01465	--	--	
83.22	0.02882	--	--	
83.24	0.03521	--	--	
83.26	0.03501	--	--	
83.28	0.03032	--	--	
83.3	0.0385	--	--	
83.32	0.03142	--	--	
83.34	0.02823	--	--	
83.36	0.02623	--	--	
83.38	0.02244	--	--	
83.4	0.02134	--	--	
83.42	0.02773	--	--	
83.44	0.00418	--	--	
83.46	0.01715	--	--	
83.48	0.01725	--	--	
83.5	0.02903	--	--	

83.52	0.02374	--	--
83.54	0.02084	--	--
83.56	0.01016	--	--
83.58	0.00907	--	--
83.6	0.02533	--	--
83.62	0.02963	--	--
83.64	0.01296	--	--
83.66	0.01426	--	--
83.68	0.02454	--	--
83.7	0.02194	--	--
83.72	0.02983	--	--
83.74	0.02873	--	--
83.76	0.02703	--	--
83.78	0.02174	--	--
83.8	0.02633	--	--
83.82	0.02224	--	--
83.84	0.02713	--	--
83.86	0.01975	--	--
83.88	0.01895	--	--
83.9	0.01725	--	--
83.92	0.02065	--	--
83.94	0.03362	--	--
83.96	0.03252	--	--
83.98	0.02185	--	--
84	0.02404	--	--
84.02	0.01127	--	--
84.04	0.01945	--	--
84.06	0.02404	--	--
84.08	0.02025	--	--
84.1	0.01556	--	--
84.12	0.02284	--	--
84.14	0.01366	--	--
84.16	0.01406	--	--
84.18	0.00907	--	--
84.2	0.02384	--	--
84.22	0.02245	--	--
84.24	0.01746	--	--
84.26	0.01247	--	--
84.28	0.02035	--	--
84.3	0.01985	--	--
84.32	0.01786	--	--
84.34	0.02574	--	--
84.36	0.01117	--	--
84.38	0.01846	--	--
84.4	0.02065	--	--
84.42	0.02075	--	--
84.44	0.02265	--	--

84.46	0.01347	--	--
84.48	0.01836	--	--
84.5	0.03612	--	--
84.52	0.01856	--	--
84.54	0.01596	--	--
84.56	0.02265	--	--
84.58	0.02514	--	--
84.6	0.03333	--	--
84.62	0.02534	--	--
84.64	0.01856	--	--
84.66	0.01147	--	--
84.68	0.02265	--	--
84.7	0.02754	--	--
84.72	0.02764	--	--
84.74	0.01247	--	--
84.76	0.01407	--	--
84.78	0.01926	--	--
84.8	0.01577	--	--
84.82	0.01646	--	--
84.84	0.02345	--	--
84.86	0.02026	--	--
84.88	0.02605	--	--
84.9	0.01237	--	--
84.92	0.02445	--	--
84.94	0.02365	--	--
84.96	0.01267	--	--
84.98	0.01936	--	--
85	-0.0021	--	--
85.02	0.00998	--	--
85.04	0.00828	--	--
85.06	0.01407	--	--
85.08	0.02375	--	--
85.1	0.02715	--	--
85.12	0.02305	--	--
85.14	0.01477	--	--
85.16	0.02745	--	--
85.18	0.01108	--	--
85.2	0.02076	--	--
85.22	0.01757	--	--
85.24	0.01797	--	--
85.26	0.01298	--	--
85.28	0.01936	--	--
85.3	0.03054	--	--
85.32	0.02555	--	--
85.34	0.02835	--	--
85.36	0.02096	--	--
85.38	0.02525	--	--

85.4	0.02595	--	--
85.42	0.02815	--	--
85.44	0.03364	--	--
85.46	0.03284	--	--
85.48	0.03294	--	--
85.5	0.02974	--	--
85.52	0.03463	--	--
85.54	0.03503	--	--
85.56	0.03424	--	--
85.58	0.03793	--	--
85.6	0.02935	--	--
85.62	0.04142	--	--
85.64	0.02805	--	--
85.66	0.02965	--	--
85.68	0.03484	--	--
85.7	0.04661	--	--
85.72	0.03264	--	--
85.74	0.02346	--	--
85.76	0.03823	--	--
85.78	0.03204	--	--
85.8	0.03753	--	--
85.82	0.04661	--	--
85.84	0.03713	--	--
85.86	0.04113	--	--
85.88	0.04602	--	--
85.9	0.04731	--	--
85.92	0.03424	--	--
85.94	0.04691	--	--
85.96	0.03264	--	--
85.98	0.05879	--	--
86	0.0562	--	--
86.02	0.05091	--	--
86.04	0.05729	--	--
86.06	0.06308	--	--
86.08	0.07037	--	--
86.1	0.0525	--	--
86.12	0.0529	--	--
86.14	0.04911	--	--
86.16	0.054	--	--
86.18	0.06099	--	--
86.2	0.056	--	--
86.22	0.04981	--	--
86.24	0.06787	--	--
86.26	0.0569	--	--
86.28	0.06897	--	--
86.3	0.06279	--	--
86.32	0.06259	--	--

86.34	0.06568	--	--
86.36	0.07806	--	--
86.38	0.06887	--	--
86.4	0.08095	--	--
86.44	0.07157	--	--
86.46	0.08814	--	--
86.48	0.07925	--	--
86.5	0.07367	--	--
86.52	0.08395	--	--
86.54	0.07417	--	--
86.56	0.08534	--	--
86.58	0.07287	--	--
86.6	0.06997	--	--
86.62	0.07367	--	--
86.64	0.08185	--	--
86.66	0.07177	--	--
86.68	0.06618	--	--
86.7	0.07347	--	--
86.72	0.0586	--	--
86.74	0.07636	--	--
86.76	0.07736	--	--
86.78	0.06578	--	--
86.8	0.059	--	--
86.82	0.06389	--	--
86.84	0.06399	--	--
86.86	0.06169	--	--
86.88	0.07137	--	--
86.9	0.0595	--	--
86.92	0.0581	--	--
86.94	0.05251	--	--
86.96	0.05411	--	--
86.98	0.05601	--	--
87	0.04084	--	--
87.02	0.04483	--	--
87.04	0.03235	--	--
87.06	0.04084	--	--
87.08	0.04333	--	--
87.1	0.03685	--	--
87.12	0.04503	--	--
87.14	0.04483	--	--
87.16	0.03625	--	--
87.18	0.02587	--	--
87.2	0.04004	--	--
87.22	0.04403	--	--
87.24	0.03186	--	--
87.26	0.03974	--	--
87.28	0.03894	--	--

87.3	0.02557	--	--
87.32	0.01938	--	--
87.34	0.02607	--	--
87.36	0.01869	--	--
87.38	0.03735	--	--
87.4	0.02457	--	--
87.42	0.02887	--	--
87.44	0.01759	--	--
87.46	0.02038	--	--
87.48	0.02078	--	--
87.5	0.04064	--	--
87.52	0.02607	--	--
87.54	0.02438	--	--
87.56	0.03346	--	--
87.58	0.02368	--	--
87.6	0.01749	--	--
87.62	0.03286	--	--
87.64	0.02817	--	--
87.66	0.02737	--	--
87.68	0.02298	--	--
87.7	0.02967	--	--
87.72	0.01989	--	--
87.74	0.02717	--	--
87.76	0.01739	--	--
87.78	0.02677	--	--
87.8	0.01909	--	--
87.82	0.02757	--	--
87.84	0.02318	--	--
87.86	0.02807	--	--
87.88 --		--	--
87.9	0.02378	--	--
87.92	0.02927	--	--
87.94	0.02907	--	--
87.96	0.02228	--	--
87.98	0.02418	--	--
88	0.03027	--	--
88.02	0.01929	--	--
88.04	0.02059	--	--
88.06	0.0165	--	--
88.08	0.0136	--	--
88.1	0.02269	--	--
88.12	0.0177	--	--
88.14	0.02648	--	--
88.16	0.02957	--	--
88.18	0.02129	--	--
88.2	0.0172	--	--
88.22	0.02299	--	--



88.24	0.03835	--	--
88.26	0.02917	--	--
88.28	--	--	--
88.3	0.0153	--	--
88.32	0.02289	--	--
88.34	0.02239	--	--
88.36	0.03117	--	--
88.38	0.03067	--	--
88.4	0.02538	--	--
88.42	0.02279	--	--
88.44	0.02528	--	--
88.46	0.02957	--	--
88.48	0.02399	--	--
88.5	0.02079	--	--
88.52	0.0152	--	--
88.54	0.00842	--	--
88.56	0.03337	--	--
88.58	0.02359	--	--
88.6	0.02369	--	--
88.62	0.02648	--	--
88.64	0.01461	--	--
88.66	0.0189	--	--
88.68	0.02439	--	--
88.7	0.0167	--	--
88.72	0.01501	--	--
88.74	0.0175	--	--
88.76	0.02179	--	--
88.78	0.02878	--	--
88.8	0.01002	--	--
88.82	0.0179	--	--
88.84	0.0213	--	--
88.86	0.02918	--	--
88.88	0.02569	--	--
88.9	0.0207	--	--
88.92	0.0172	--	--
88.94	0.02569	--	--
88.96	0.02818	--	--
88.98	0.03637	--	--
89	0.01611	--	--
89.02	0.02399	--	--
89.04	0.03038	--	--
89.06	0.0209	--	--
89.08	0.02429	--	--
89.1	0.02469	--	--
89.12	0.02778	--	--
89.14	0.0219	--	--
89.16	0.0208	--	--

89.18	0.0212	--	--
89.2	--	--	--
89.22	0.02799	--	--
89.24	0.03288	--	--
89.26	0.0231	--	--
89.28	0.0196	--	--
89.3	0.03288	--	--
89.32	0.02878	--	--
89.34	0.02589	--	--
89.36	0.02419	--	--
89.38	0.03298	--	--
89.4	0.0214	--	--
89.42	0.03018	--	--
89.44	0.00992	--	--
89.46	0.0223	--	--
89.48	0.01312	--	--
89.5	0.00963	--	--
89.52	0.0235	--	--
89.54	0.0224	--	--
89.56	0.02579	--	--
89.58	0.03278	--	--
89.6	0.02989	--	--
89.62	0.01202	--	--
89.64	0.03428	--	--
89.66	0.02899	--	--
89.68	0.03118	--	--
89.7	0.0229	--	--
89.72	0.0215	--	--
89.74	0.0219	--	--
89.76	0.02949	--	--
89.78	0.02659	--	--
89.8	0.0258	--	--
89.82	0.01482	--	--
89.84	0.02869	--	--
89.86	0.0252	--	--
89.88	0.0232	--	--
89.9	0.01522	--	--
89.92	0.0228	--	--
89.94	0.03218	--	--
89.96	0.02001	--	--
89.98	0.01831	--	--
90	0.02141	--	--
90.02	0.02869	--	--

**Figure 4**

T_heating	M	T_cooling	M
349.84503	229.00949	986.30396	47.05235
350.74423	229.22806	980.47949	46.60285
351.50922	228.85321	982.1543	46.4632
352.17053	228.84484	820.16644	59.5712
352.90082	229.36367	819.5744	59.55414
353.53351	229.03628	819.28912	59.85165
354.24551	229.22996	818.8291	59.96317
354.90668	228.85013	818.60669	59.97853
355.60989	229.23161	818.20288	59.97772
356.31046	229.47633	817.8974	59.99873
356.97754	229.49496	817.50299	60.08632
357.62982	229.36809	817.20905	60.30019
358.3414	229.10669	816.8725	60.13672
359.08636	229.4207	816.49878	60.34993
359.72589	229.35852	816.14899	60.43751
360.46399	229.5572	815.89764	60.61147
361.11578	229.64896	815.47784	60.58489
361.81512	229.56781	815.17761	60.55869
362.43103	229.72667	814.78741	60.64442
363.12827	229.76718	814.53204	60.84841
363.86887	229.80616	814.17554	60.77442
364.5488	229.87007	813.95068	60.82855
365.30539	229.68016	813.50568	61.04975
365.93332	229.97007	813.08929	60.9582
366.59628	230.01024	812.7655	61.06598
367.32748	229.77043	812.50824	61.08773
368.05649	230.11585	812.34021	61.16573
368.68542	230.05268	811.92407	61.1913
369.39978	229.79502	811.7912	61.26067
370.05688	230.03624	811.14923	61.44343
370.76471	230.14837	810.74976	61.514
371.43405	230.56998	810.4444	61.59377
372.16479	230.35877	810.05334	61.66974
372.7926	230.27336	810.00336	61.58876
373.53928	230.40973	809.5885	61.46004
374.25452	230.49903	809.28052	61.74754
374.92175	230.43218	808.76184	61.76354
375.57513	229.62303	808.54822	61.92069
376.52899	230.50928	808.09564	61.94634
377.2543	230.66789	807.66541	61.9843
377.92389	230.6175	807.45361	61.99004
378.59982	230.7238	807.20282	61.84864
379.27472	231.02495	806.87073	62.16552
379.98468	230.86793	806.51001	62.23747
380.65747	230.85244	806.12091	62.40879

381.30344	230.79979	805.82416	62.25624
381.99747	230.97763	805.43903	62.29689
382.64484	230.8801	804.94208	62.41314
383.40506	231.45084	804.39923	62.45087
384.05484	231.23657	804.41229	62.41008
384.80698	231.19042	804.11517	62.69359
385.47961	231.20435	803.8313	62.67735
386.16013	231.08595	803.35077	62.62505
386.81677	231.34328	803.09235	62.5175
387.54321	231.21468	802.71527	62.79118
388.21967	231.26471	802.28796	62.84746
388.96634	231.31155	802.03699	62.97673
389.67572	232.34149	801.64984	62.89106
390.31036	231.72218	801.41071	63.00372
390.98965	231.45827	801.00946	63.15875
391.67734	231.5474	800.75043	62.94665
392.35657	231.52551	800.28333	63.1919
393.01434	231.63673	799.98389	63.27232
393.75836	231.66772	799.68127	63.29045
394.42032	231.88679	799.31635	63.30134
395.14719	231.7741	799.00842	63.39412
395.85291	231.94714	798.71417	63.37454
396.51672	231.84112	798.31378	63.57398
397.16183	231.75451	797.95569	63.52899
397.8989	231.90475	797.73346	63.63633
398.58905	231.89562	797.35327	63.62177
399.27332	231.91538	796.95105	63.68543
399.90604	232.04945	796.84747	63.84587
400.64014	232.04259	796.33063	64.00518
401.36844	232.0517	796.00165	63.96498
402.04459	232.23812	795.57434	64.02907
402.69986	232.22195	795.28314	64.08771
403.36642	232.27309	794.97821	63.99826
404.09912	232.13948	794.56494	64.28031
404.78983	232.33016	794.27844	64.18242
405.47086	232.38235	793.9682	64.41446
406.164	232.33495	793.6535	64.4372
406.85345	232.35309	793.23004	64.54033
407.91333	232.61432	792.91132	64.36404
408.59341	232.40874	792.59912	64.4693
409.26352	232.14067	792.28015	64.56041
410.03925	232.764	791.89844	64.5477
410.70508	232.53374	791.48706	64.73698
411.39798	232.77937	791.04773	64.81452
412.10446	232.75702	790.82178	64.79006
412.76611	232.93251	790.49329	64.84464
413.42969	232.83697	790.0661	64.90027

414.14853	232.78126	789.68561	65.16511
414.80499	233.00944	789.45428	65.21229
415.53696	232.80829	789.11334	65.09618
416.25351	232.9001	788.80493	65.31453
416.87167	232.9863	788.41693	65.16017
417.6286	233.138	788.05536	65.24399
418.28641	232.99943	787.76282	65.47098
419.00314	233.28969	787.43829	65.50281
419.66599	233.03726	787.00537	65.56452
420.37924	233.21985	786.76373	65.54967
421.06317	233.23462	786.3891	65.80905
421.76953	233.27027	786.02875	65.83756
422.45682	233.35501	785.70972	65.93709
423.10672	233.33236	785.35822	65.99013
423.84683	233.50078	784.97107	65.90801
424.51303	233.44683	784.62482	66.0828
425.28018	233.67804	784.31891	66.17159
425.90695	233.46077	784.01263	66.14135
426.62079	233.64174	783.65283	66.33986
427.28006	233.56305	783.37067	66.30282
427.94635	233.65015	783.01935	66.38569
428.66949	233.62533	782.6308	66.33958
429.35837	233.59209	782.34277	66.34276
430.04062	233.72255	781.99945	66.55165
430.76013	233.86286	781.60455	66.70083
431.38165	233.65448	781.32635	66.62294
432.14758	233.7237	780.94769	66.71107
432.82272	233.88676	780.64929	66.7484
433.49988	233.78591	780.32605	66.98037
434.18112	233.90605	779.94641	67.05754
434.93512	233.87442	779.59967	67.10626
435.5853	233.94657	779.27466	67.03957
436.24786	234.14191	778.9549	67.26852
437.03305	234.00297	778.59326	67.19535
437.66391	234.39541	778.25806	67.17793
438.38623	234.07794	777.93494	67.43394
439.03732	234.31465	777.59375	67.4397
439.80045	234.25272	777.22516	67.5459
440.40198	234.12443	776.9563	67.72821
441.11505	234.12392	776.59888	67.6065
441.79425	234.3035	776.23492	67.7617
442.47617	234.3574	775.9256	67.76506
443.17554	234.30588	775.5799	67.88132
443.91431	234.58856	775.20825	67.92724
444.60257	234.29039	774.8703	68.0711
445.245	234.35267	774.55933	68.10384
445.98441	234.3328	774.21979	68.1211

446.59686	234.36142	773.88824	68.23247
447.3649	234.45403	773.55078	68.25655
448.0575	234.49144	773.21552	68.411
448.69635	234.6615	772.83453	68.55642
449.42044	234.71456	772.50189	68.42511
450.10376	234.60423	772.1778	68.70984
450.77747	234.43351	771.867	68.66886
451.45667	234.60802	771.47083	68.70498
452.11026	234.88244	771.17316	68.8068
452.85858	234.7756	770.8913	68.95671
453.55402	234.67041	770.52209	68.98928
454.17935	234.65048	770.19287	69.0004
454.87805	234.67949	769.87366	69.19103
455.63315	234.69294	769.50348	69.18212
456.29681	234.70635	769.1792	69.26305
456.99554	234.75556	768.7962	69.34277
457.62955	234.70887	768.51691	69.59012
458.35101	234.71952	768.15216	69.52329
459.06778	234.80675	767.79022	69.68622
459.74292	234.72068	767.53894	69.75221
460.47507	234.79893	767.11902	69.78276
461.1199	234.86909	766.82471	69.8297
461.82523	234.78025	766.4267	69.90656
462.48047	234.94557	766.08344	70.10207
463.20447	235.22908	765.74432	70.06103
463.87146	234.71828	765.38306	70.12238
464.6069	235.09924	765.104	70.34654
465.29556	234.95618	764.69342	70.39829
465.9884	234.77522	764.42847	70.48298
466.72369	235.08502	764.09875	70.50439
467.35742	235.25898	763.68457	70.76581
468.04086	234.90502	763.42413	70.7854
468.78583	235.00437	763.06616	70.83018
469.44635	234.91313	762.72852	70.9927
470.11221	235.20166	762.34503	70.9648
470.80994	234.94468	762.09052	71.19442
471.49619	235.05348	761.72687	71.23745
472.17596	234.97903	761.34711	71.29
472.82245	235.09545	761.02075	71.31627
473.56512	235.14011	760.72559	71.41734
474.24295	235.63608	760.38678	71.55349
474.93497	235.18764	760.01166	71.70516
475.61862	235.1079	759.65381	71.85356
476.33014	235.08988	759.31598	71.89549
476.99982	235.2211	758.98425	72.13502
477.6503	235.3223	758.68658	72.02366
478.34982	235.32782	758.28259	72.23242

479.05161	236.22264	757.84711	72.25977
479.75513	235.23722	757.44904	72.44721
480.70682	235.19899	757.28705	72.53202
481.35107	235.36173	756.95471	72.71106
482.05957	235.40182	756.64252	72.77195
482.76602	238.01636	756.29376	72.91804
483.45737	235.44973	755.94055	72.93127
484.08783	235.45195	755.60748	73.16034
484.83362	235.44714	755.31793	73.32046
485.53784	235.43094	754.95587	73.34752
486.16116	235.32043	754.6524	73.61594
486.89273	235.46995	754.28595	73.70649
487.59213	235.49922	753.9259	73.92598
488.31073	235.63031	753.62787	73.99672
488.96442	235.43388	753.29779	74.29362
489.60104	235.66563	752.90033	74.06439
490.32523	235.57455	752.58868	74.49867
490.98743	235.64426	752.25269	74.61689
491.67038	235.64384	751.92285	74.74385
492.42017	235.81026	751.53632	74.78898
493.06104	235.66391	751.24371	75.19238
493.75626	235.64419	750.9259	75.37947
494.42371	235.75319	750.52856	75.47637
495.1875	235.81282	750.24817	75.69223
495.81882	235.79685	749.87073	75.68871
496.50275	235.81257	749.55743	76.03082
497.24756	235.95351	749.25378	76.36673
497.88065	236.01813	748.93365	76.33809
498.59076	235.79645	748.5578	76.68295
499.211	235.85923	748.2215	76.80015
499.98572	235.88272	747.86755	77.08381
500.67178	236.10631	747.57806	77.33138
501.33447	236.06118	747.18219	77.36733
502.00314	236.04948	746.82825	77.7157
502.74802	236.24737	746.48669	77.95733
503.44077	236.15137	746.16846	78.29455
504.1123	236.1816	745.86853	78.61685
504.78687	236.09238	745.47601	78.75819
505.4646	236.29765	745.17493	79.1006
506.211	236.14316	744.8006	79.45919
506.90167	236.37587	744.45605	79.80051
507.57828	236.18499	744.14264	80.07845
508.23456	236.29823	743.90063	80.35165
508.94635	236.23157	743.50256	80.81567
509.59695	236.23381	743.11945	80.81585
510.38007	236.38011	742.79163	81.35995
510.96823	236.38267	742.46771	81.62548

511.6843	236.5299	742.18457	82.00587
512.38586	236.39124	741.83636	82.3378
513.06281	236.35612	741.44501	82.96874
513.74652	236.51787	741.11224	83.3331
514.52362	236.59895	740.79016	83.679
515.11835	236.47686	740.46649	84.16132
515.8338	236.49174	740.125	84.65125
516.52234	236.60584	739.75903	84.98035
517.18817	236.63037	739.42761	85.42521
517.87769	236.65813	739.07208	85.93007
518.57318	236.59622	738.7865	86.58991
519.28925	236.25531	738.3877	86.97679
519.99634	236.65326	738.0611	87.49821
520.66913	236.47573	737.68848	87.97435
521.28247	236.66666	737.38757	88.4121
522.03583	236.82975	737.03125	89.14571
522.69806	236.6844	736.68994	89.65562
523.40302	236.75521	736.36444	90.23142
524.10742	236.8361	736.06616	90.92701
524.77423	236.99238	735.70978	91.4235
525.45435	236.70612	735.3844	92.01261
526.2066	236.8574	735.01068	92.71759
526.84631	236.7971	734.65747	93.10017
527.5509	236.86498	734.34271	93.88843
528.22327	236.97984	734.02277	94.62278
528.8974	236.75851	733.6842	95.19079
529.62518	236.87913	733.31006	95.76825
530.2829	236.82056	732.99121	96.41595
530.99689	237.10586	732.63892	97.13674
531.70728	237.04605	732.32141	97.82003
532.34155	237.1013	731.97534	98.43297
533.04181	237.06089	731.63074	99.26675
533.78473	237.08487	731.27838	99.95163
534.4599	237.10538	730.99756	100.79808
535.14551	237.10068	730.67261	101.34703
535.79382	237.15254	730.26678	101.97679
536.53473	237.13751	729.97821	102.81279
537.21021	237.21985	729.67273	103.44731
537.98773	237.32253	729.30206	104.13997
538.62891	237.1466	728.86627	104.91843
539.31934	237.36881	728.60571	105.58923
539.9906	237.44266	728.29407	106.34547
540.61603	237.37567	727.89789	107.02843
541.34265	237.41379	727.62018	107.7884
542.005	237.50967	727.25037	108.37799
542.71362	237.5506	726.87701	109.02945
543.41461	237.46881	726.60193	109.90302



544.13019	237.47121	726.26392	110.87083
544.81403	237.55736	725.9353	111.48217
545.53699	237.48569	725.58325	112.22318
546.20221	237.6604	725.22888	113.0609
546.84656	237.49662	724.92114	113.67381
547.54242	237.68209	724.54901	114.48222
548.17297	237.51085	724.24524	115.1993
548.80859	237.4325	723.96655	116.18658
549.56256	237.68997	723.58038	116.65787
550.2597	237.80577	723.20227	117.58111
550.927	237.57687	722.84015	118.2389
551.61517	237.68684	722.54279	119.04017
552.39569	237.72124	722.19397	119.85146
553.0014	237.82977	721.83807	120.52599
553.69141	237.83391	721.53351	121.34413
554.35052	237.89883	721.15216	122.10092
555.06714	237.86212	720.81641	122.79936
555.73938	237.91271	720.47424	123.50608
556.48138	238.64243	720.15576	124.32791
557.16638	237.78694	719.82574	125.06189
557.87769	237.7228	719.45032	125.56675
558.58472	237.821	719.11261	126.37993
559.20111	237.83455	718.76892	127.12628
559.86371	237.85619	718.42761	127.74195
560.6192	238.03254	718.13074	128.29065
561.34558	237.87575	717.76349	129.11095
561.94879	238.01317	717.44971	129.91465
562.63409	238.02892	717.08453	130.60822
563.3512	238.09757	716.72992	131.20835
564.03784	237.9566	716.40344	131.9914
564.74097	238.11307	716.12207	132.66069
565.44342	238.14994	715.66602	133.37543
566.11707	237.98448	715.38257	134.06879
566.77124	237.94359	715.06549	134.78475
567.47089	237.97288	714.7276	135.41815
568.1944	238.02628	714.39844	136.11326
568.8692	238.03575	714.03864	136.83792
569.49554	238.09264	713.72131	137.33389
570.24463	238.1171	713.38367	138.07115
570.91949	238.01932	712.99609	138.76889
571.578	237.97001	712.46869	139.31088
572.22748	238.05384	712.03564	139.9211
572.94275	238.10205	712.07373	140.44711
573.64337	237.91081	711.55841	141.25718
574.35638	238.05131	711.31982	141.81379
575.04309	237.92831	710.89783	142.40418
575.70135	237.93137	710.6106	142.93329

576.37561	238.02056	710.22437	143.76273
577.07568	237.86459	709.96289	144.37522
577.76831	238.03827	709.64734	145.11596
578.46338	237.98017	709.35034	145.74583
579.1405	237.88145	708.90454	146.19129
579.78094	237.88157	708.64014	146.63408
580.52832	237.88328	708.27844	147.25355
581.24646	238.24371	707.9704	147.98725
581.98785	238.15458	707.61285	148.53404
582.61707	237.88682	707.29999	149.12297
583.32507	237.83917	706.92078	149.75036
584.0141	237.89043	706.62128	150.18207
584.65094	237.88776	706.25482	150.77046
585.28455	238.04459	705.91675	151.43755
586.0517	237.97532	705.3548	152.01645
586.75604	238.04028	705.224	152.58378
587.45697	238.01379	704.92859	153.14856
588.04706	237.89213	704.51941	153.72151
588.75037	238.02867	704.23804	154.22764
589.51361	237.96058	703.88727	154.68338
590.1416	237.94797	703.55438	155.31572
590.87219	237.79545	703.16772	155.78866
591.54785	237.86023	702.87378	156.3091
592.25262	237.79654	702.51007	156.91097
592.91205	238.0721	702.33264	157.26993
593.62482	237.91684	701.88379	157.89449
594.30219	237.82309	701.55646	158.35976
595.01221	238.10089	701.14508	158.82141
595.71368	238.00353	701.0531	159.2341
596.38556	237.96496	700.74994	159.75156
597.02722	237.83307	700.36072	160.28496
597.71503	237.93523	699.81586	160.85016
598.4129	237.7503	699.66846	161.35201
599.12689	237.86096	699.40796	161.82744
599.83545	237.7839	698.72455	162.26731
600.48505	237.74539	698.69928	162.79125
601.15466	237.70333	698.41241	163.26018
601.89532	237.77237	697.72772	163.9507
602.53564	237.70461	697.87854	164.32037
603.26495	237.79225	697.37604	164.87788
603.92267	237.58885	696.89825	165.32085
604.61487	237.63728	696.73572	166.03936
605.3125	237.73559	696.06305	166.39976
605.99445	237.60999	695.91656	166.98771
606.65912	237.70211	694.93793	167.61385
607.41467	237.72589	694.40271	167.96929
608.04163	237.82925	694.79926	168.56309

608.70795	237.43868	694.15851	168.89048
609.43842	237.64811	693.62988	169.2501
610.09521	237.7293	692.92834	169.75553
610.8316	237.79031	693.10944	170.34613
611.48328	237.68709	693.40619	170.95604
612.15045	237.67378	693.1662	171.36127
612.83667	237.60234	691.43195	171.94344
613.55426	237.58226	692.237	172.46202
614.2774	237.39129	691.94537	173.09333
614.95703	237.32773	691.22876	173.37677
615.56763	237.31678	691.16772	174.00055
616.3338	237.31838	689.76611	174.47567
616.99652	237.44745	690.05737	174.72686
617.72955	237.59303	690.05603	175.23386
618.37622	237.27104	689.66815	175.98174
618.9986	237.30398	689.50397	176.3722
619.73993	237.29058	689.16675	176.86424
620.3642	237.18484	688.54321	177.44638
621.08289	237.19313	688.39471	177.89788
621.71021	237.20654	687.7923	178.45356
622.46765	237.38895	687.69781	178.93193
623.12347	237.1152	686.59753	179.39171
623.82422	237.27038	686.58179	179.78405
624.5661	237.04707	686.07471	180.20808
625.22217	237.25576	685.64197	180.63435
625.91797	236.81002	685.79224	181.28903
626.62323	237.08686	685.29047	181.68097
627.29089	237.20977	684.93188	181.93207
628.02844	236.83862	683.13831	182.44752
628.59247	237.0232	684.07581	182.82564
629.37128	236.99335	683.82672	182.98133
630.08203	236.97973	683.50854	183.66159
630.76453	237.05997	683.06775	184.22051
631.4682	236.76018	683.23334	184.87277
632.14642	236.94636	682.2157	185.19455
632.75885	236.8522	682.88654	185.70927
633.41217	236.68524	681.68127	186.09458
634.15253	236.8464	682.10651	186.52514
634.86346	236.77544	681.53864	187.25371
635.57086	236.65299	680.10706	187.52278
636.28528	236.66732	680.23407	187.84494
636.99377	236.52197	679.58551	188.16881
637.58539	236.61028	679.24506	188.67195
638.19965	236.58998	679.64441	189.02663
639.03235	236.37256	679.73816	189.65025
639.6748	236.50345	679.34216	190.13844
640.39618	236.32426	678.258	190.6687

641.06628	236.31815	678.6416	191.1869
641.76581	236.62929	678.58002	191.52488
642.43774	236.26041	676.05823	191.92439
643.10809	236.26971	676.70618	192.15833
643.73187	236.28278	675.78424	192.59457
644.51752	236.22978	675.44904	192.99333
645.19684	236.0083	675.48163	193.42784
645.91736	236.08298	673.53601	193.93693
646.57184	236.34737	673.96582	194.26915
647.28522	236.1906	673.21149	194.69444
647.96942	236.13248	672.87445	195.19104
648.63684	236.19084	674.05225	195.57145
649.37738	236.04276	673.90735	196.09292
650.01978	236.17684	673.82178	196.55291
650.76154	236.02665	673.38074	197.05062
651.45551	236.01369	673.10278	197.58432
652.16437	236.1624	672.51154	198.14132
652.79083	236.14034	670.09119	198.29583
653.4787	235.97445	671.02332	198.68232
654.20886	236.08307	669.06476	199.02501
654.94678	235.81518	670.8479	199.34377
655.56415	235.89307	670.43378	200.00611
656.3266	235.82351	670.54016	200.39519
657.00616	235.84144	670.05139	200.88285
657.65417	235.77212	670.28827	201.39896
658.35254	235.73133	670.35699	201.80209
659.02777	235.50521	669.93335	202.10707
659.75415	235.64662	669.67029	202.60853
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661.08215	235.43213	668.72192	203.35058
661.80914	235.58865	668.43567	203.76872
662.46765	235.35847	668.29645	204.17892
663.15002	235.48279	667.77277	204.63286
663.84393	235.37281	666.29822	205.13376
664.53461	235.35878	666.9986	205.40536
665.15936	235.14156	666.77832	205.82784
665.84882	235.04564	666.53906	206.16679
666.66974	235.18266	666.09009	206.55666
667.30719	235.13859	665.52502	207.03142
668.00299	235.09826	665.44556	207.45919
668.66693	235.00345	664.94177	207.88049
669.24152	234.95822	664.91125	208.12025
670.0509	235.03334	664.03729	208.53319
670.64252	234.88726	663.88214	208.91459
671.36151	234.9714	663.23999	209.17345
671.98071	235.00089	663.36761	209.57073
672.7475	234.95625	662.94324	209.73189

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674.0661	235.15381	662.38147	210.57759
674.86359	234.82544	661.36981	210.99786
675.55707	234.79582	661.53461	211.41599
676.25232	234.84999	661.07593	211.82101
676.95667	234.7292	661.01135	212.12683
677.65411	234.44853	659.94409	212.56498
678.3786	234.72991	659.25616	212.77688
679.08038	234.75473	658.7879	213.33185
679.76855	234.62502	659.8028	213.53532
680.47809	234.5674	659.12628	213.76014
681.18347	234.53652	659.25952	214.25162
681.85583	234.50368	658.5885	214.61367
682.52338	234.44263	657.42169	214.88714
683.2099	234.40997	657.5155	215.20237
683.96735	234.64042	657.37134	215.49136
684.62122	234.39913	657.66431	216.00652
685.29974	234.57062	656.84943	216.39589
685.98547	234.3455	656.4873	216.60242
686.69788	234.37296	656.15869	216.89523
687.33795	234.3105	655.94666	217.35092
688.09131	234.3038	655.56689	217.681
688.73425	234.23244	655.39178	217.95117
689.45874	234.45373	654.90326	218.44823
690.12402	234.18024	654.86139	218.67767
690.8269	234.25666	653.92615	218.93571
691.53503	234.1313	653.95105	219.28944
692.20428	234.05642	653.89545	219.60573
692.91431	234.00431	653.01837	220.05723
693.59479	234.09023	652.34601	220.36478
694.30463	234.02503	652.92212	220.4797
694.98224	234.19712	652.20923	221.04072
695.60992	234.07688	651.82813	221.26046
696.34589	233.98858	651.33325	221.65816
696.99872	234.17904	650.74408	221.94481
697.72638	233.87941	650.60614	222.24993
698.38593	233.9211	650.31903	222.72429
699.06604	233.83102	649.85107	222.89055
699.78882	234.02263	649.65057	223.41371
700.47601	233.91685	649.57306	223.74229
701.18518	233.74562	648.97675	224.08286
701.81366	233.81812	648.76428	224.53687
702.53558	233.78216	648.50275	224.64875
703.2478	233.7556	647.9967	224.98855
703.86737	233.55264	647.65698	225.26383
704.59259	233.45607	647.27655	225.55735
705.28937	233.52351	646.9931	225.83482

705.97961	233.75542	646.39661	226.10518
706.67566	233.41466	645.69446	226.51241
707.38361	233.49825	645.66046	226.58619
708.02313	233.46678	644.82611	227.05564
708.69885	233.31592	644.68774	227.2155
709.38257	233.188	644.93939	227.72961
710.07581	233.17692	644.54462	227.78585
710.81226	233.24656	643.84613	228.28631
711.49017	232.88442	643.86609	228.55441
712.17596	232.91001	643.51855	228.94511
712.90344	232.80366	643.02875	229.13583
713.58533	233.15297	642.86121	229.35302
714.26105	232.49496	642.62421	229.69668
714.9151	232.54883	642.37604	230.01145
715.63763	232.48143	641.89215	230.30197
716.30798	232.27613	641.67303	230.50967
716.98041	232.41797	641.29663	230.73002
717.65503	232.05219	640.70215	231.05794
718.38617	232.06282	639.48071	231.39574
719.05945	231.9672	639.896	231.62432
719.75592	231.9706	639.92285	231.7966
720.4054	231.72612	639.461	232.1922
721.12769	231.64373	638.96661	232.42553
721.81177	231.58106	638.55444	232.75852
722.48462	231.42738	638.10596	232.98375
723.22498	231.38477	637.94678	233.18318
723.86938	231.37578	637.02075	233.48864
724.54553	231.01027	636.88733	233.79299
725.23676	230.81284	636.69897	234.17485
725.91284	230.76464	636.2702	234.38665
726.8736	230.61862	636.26782	234.60962
727.52997	230.2516	635.78424	234.91552
728.29553	229.90959	635.83466	235.15666
728.97125	229.77819	635.1264	235.49475
729.65552	229.3329	634.77863	235.72279
730.26898	229.50022	634.84595	235.93502
731.02264	229.20863	633.94348	236.18827
731.71277	229.36634	634.26874	236.59145
732.41473	228.91637	633.70233	236.82443
733.02747	228.73469	633.63025	237.11506
733.6925	228.53622	633.18378	237.44229
734.46722	228.27918	632.59406	237.5955
735.14813	227.95409	632.466	237.93055
735.82928	227.83798	632.20105	238.08521
736.48328	227.65083	631.60992	238.25776
737.27301	227.33286	631.15485	238.56655
737.8537	227.21782	631.0918	238.84974

738.64587	226.77107	630.57971	239.10212
739.30658	226.84942	630.39325	239.40236
739.97437	226.0411	629.47858	239.64184
740.68048	225.42836	629.80713	239.82942
741.33173	225.32594	629.17249	240.09028
742.09509	224.97309	629.23743	240.29179
742.7674	224.48167	628.98743	240.57245
743.41766	224.35454	628.46436	240.77692
744.1618	223.99636	627.76978	241.01652
744.82275	223.67194	627.25873	241.31578
745.51959	223.46419	627.10608	241.55658
746.24054	223.38141	626.9057	241.59854
746.85199	222.91927	626.89423	241.84274
747.5752	223.1719	625.87274	242.16429
748.29535	222.86185	625.59943	242.28249
748.95355	223.07081	625.82654	242.54624
749.64233	222.26164	624.16016	242.88234
750.32343	221.89523	624.60059	243.0556
751.04126	221.67344	623.08472	243.24409
751.94977	221.51208	623.94977	243.46128
752.67816	220.90316	623.46326	243.81212
753.3595	220.03912	622.86078	243.81664
754.00739	220.41792	621.65485	244.14232
754.73706	220.16122	621.43054	244.2281
755.42871	219.33944	621.56458	244.60677
756.1051	219.36644	621.85858	244.7286
756.82867	218.90317	621.57275	244.98572
757.51318	218.61019	621.09692	245.1215
758.20447	218.41812	620.68506	245.40084
758.91986	218.19021	620.49304	245.62019
759.58307	217.63643	619.69672	245.83147
760.26752	217.49583	619.46759	245.97202
760.98212	216.53141	619.1347	246.31984
761.66211	216.36869	618.55872	246.56116
762.36621	216.37225	618.06348	246.72821
763.02002	216.04106	618.27057	246.97627
763.74719	215.79695	617.94946	247.34638
764.45282	214.89061	617.4671	247.40372
765.13184	214.69438	617.49194	247.75275
765.83923	213.89739	617.08569	247.92567
766.51373	213.77565	616.73022	248.20354
767.17859	213.34254	616.54999	248.34636
767.90875	212.85756	616.37311	248.53282
768.56738	212.32668	616.36938	248.91204
769.2746	211.88872	616.00397	249.15346
770.00098	211.81397	615.78296	249.36483
770.61658	211.4413	615.6087	249.65045

771.39832	210.98783	615.01648	249.71237
772.00122	210.85204	614.49249	250.12536
772.77777	210.08813	614.35266	250.17397
773.4165	209.41602	614.06055	250.47354
774.12714	209.35983	613.80261	250.63465
774.85309	208.78632	613.33588	250.79345
775.42883	208.48403	613.16125	251.02795
776.19269	208.06598	612.68555	251.27826
776.86285	207.54844	612.20227	251.58484
777.58466	207.11899	611.94073	251.75691
778.29022	206.53474	611.41266	252.01249
778.96326	205.98695	611.38904	252.1877
779.61011	205.25277	610.88654	252.44263
780.32452	204.97449	609.72766	252.59592
781.03864	204.29279	610.45117	252.90597
781.68201	203.83322	610.04718	252.87705
782.42407	203.54997	609.73083	253.23998
783.05725	203.03289	608.2901	253.39396
783.79218	202.47083	608.75983	253.64266
784.45135	201.87486	607.23657	253.91593
785.14935	201.20098	607.76111	254.07641
785.8031	200.68648	607.61865	254.21269
786.51355	200.02456	607.30139	254.56415
787.13788	199.66444	605.86017	254.67468
787.84692	199.4645	606.34393	254.87458
788.54083	198.75966	605.79205	254.99658
789.25555	198.1352	605.55377	255.27189
789.88385	197.87838	606.01013	255.58945
790.64563	197.63718	605.10608	255.73375
791.30505	196.93411	605.08337	255.78928
792.00677	197.13553	604.25049	256.16027
792.67554	196.23146	604.34619	256.35967
793.33667	195.58462	604.3161	256.54117
794.06805	195.05416	603.9054	256.71696
794.76666	194.43402	603.33649	256.94622
795.43945	194.18923	603.38617	257.22734
796.10883	193.88621	602.93774	257.39108
796.78741	193.43246	602.73242	257.52976
797.50085	192.65716	602.36627	257.69314
798.1778	192.5044	601.68152	257.84748
798.89178	191.91136	601.13379	258.15214
799.54431	191.3663	601.17456	258.15825
800.24048	190.68296	600.42566	258.42511
800.91278	190.46401	600.17395	258.53941
801.61584	189.64707	599.90924	258.80275
802.30273	189.18885	599.8891	258.9595
803.00201	188.70865	599.18463	259.10549



803.63202	188.43579	598.80194	259.28899
804.36975	188.05313	598.73987	259.53458
805.0824	187.48932	598.39856	259.5797
805.72473	187.19979	598.36163	259.90254
806.47083	186.87777	597.82257	260.2003
807.17816	186.05884	597.39941	260.29984
807.81104	185.80567	597.32733	260.46235
808.50629	185.52093	597.00421	260.64673
809.20667	185.40621	596.61945	260.7581
809.9021	185.19901	596.27527	260.8936
810.59387	184.80423	595.94482	261.24315
811.22095	184.19912	595.63654	261.249
811.84943	183.87852	595.09601	261.35327
812.68121	183.47835	594.76581	261.54095
813.36316	183.05256	594.62415	261.78627
814.10809	182.33406	594.23993	261.92277
814.78851	181.44437	593.52344	262.24157
815.36993	180.21731	593.48871	262.43605
816.00842	180.25604	593.18622	262.55914
816.74957	179.94696	592.52814	262.73678
817.42261	179.82502	591.93848	262.75404
818.12439	178.80934	591.86914	263.0004
818.79449	179.16013	591.59143	263.10921
819.48077	178.84623	591.53595	263.2641
820.15118	178.78849	591.29626	263.42298
820.75574	178.33334	590.89307	263.60614
821.53735	178.26822	590.53571	263.90802
822.24377	177.85045	590.26782	263.91157
822.92914	177.5898	589.87103	264.05076
823.64264	177.52606	589.57269	264.35342
824.31079	177.47194	589.16461	264.25043
825.00513	176.81541	588.93787	264.51589
825.66345	176.72011	588.54938	264.68474
826.4422	176.7266	588.1463	264.85192
827.06927	176.55077	587.742	264.75214
827.73792	176.25388	587.42615	265.14377
828.4563	175.99932	587.23676	265.18157
829.1499	175.32346	586.78967	265.23503
829.8562	175.23636	586.50153	265.36557
830.61121	174.66331	586.24548	265.65285
831.25	173.7957	585.82507	265.85625
831.89935	173.08011	585.42163	265.95588
832.54071	172.21915	585.1272	266.27158
833.26801	172.43022	584.81268	266.34986
833.94983	172.37163	584.46588	266.3011
834.62146	171.70678	584.09058	266.48915
835.28748	171.89636	583.72485	266.57689

835.97845	171.53453	582.96515	266.74405
836.68896	171.11023	583.05365	266.96273
837.37134	170.72307	582.73212	267.05857
838.05438	170.15245	582.42322	267.18733
838.77124	171.4245	582.04877	267.51347
839.38983	170.88654	581.73004	267.56756
840.04321	170.67673	581.36786	267.68125
840.85669	170.62324	581.07452	267.82802
841.52972	170.76069	580.70703	268.18734
842.20654	170.20165	580.42151	268.24111
842.87488	169.81978	580.01611	268.33932
843.60657	169.49313	579.66223	268.60189
844.28986	169.2337	579.35419	268.59417
844.98749	169.40108	579.03577	268.8783
845.74463	168.9388	578.70197	268.98161
846.39026	167.66062	578.29871	269.20013
847.03839	167.50416	577.99695	269.29173
847.71814	167.68088	577.67609	269.53747
848.36273	167.43639	577.31079	269.76656
849.04803	167.85224	576.9516	269.7522
849.80157	167.7445	576.61554	270.03981
850.51807	167.60477	576.33136	270.12091
851.23755	167.08112	575.99835	270.31948
851.88873	166.44684	575.65167	270.45798
852.53003	166.55521	575.27472	270.55095
853.24133	166.22502	574.97968	270.66321
853.93652	165.7929	574.58582	271.04009
854.73309	165.51612	574.26849	271.04483
855.44757	164.83641	573.96161	271.25408
856.02838	164.55859	573.61334	271.47959
856.69635	164.83044	573.28241	271.48373
857.38202	164.61188	572.8772	271.65703
858.06232	164.01547	572.6806	271.81739
858.76019	163.7213	572.26617	271.97883
859.46112	164.54768	571.9231	271.99616
860.13159	164.33531	571.65631	272.07037
860.85596	164.2892	571.24811	272.2387
861.66882	164.0764	570.95148	272.39195
862.88226	162.66412	570.55719	272.53916
863.26154	161.61089	570.21271	272.64
863.91205	161.167	569.92834	272.69045
864.54388	161.15474	569.6062	272.85714
865.23975	161.05069	569.18317	272.95217
865.77692	161.12762	568.84985	273.00045
866.53345	160.80135	568.57019	272.96896
867.09216	160.74177	568.23425	273.06778
867.83112	160.74742	567.91284	273.16093

868.69733	160.76659	567.50146	273.07357
869.26483	160.46306	567.24011	273.10509
869.84326	160.63978	566.8858	273.30605
870.51349	160.62782	566.49164	273.38703
871.16595	160.65234	566.18579	273.39653
871.88458	160.75665	565.85925	273.32966
872.57745	161.01156	565.50726	273.60244
873.289	161.22234	565.15204	273.68617
873.94604	161.04475	564.79602	273.82034
874.62897	161.13536	564.48004	273.84521
875.32635	161.19801	564.14606	274.07196
876.00696	161.24404	563.85254	274.11475
876.71423	161.40793	563.42444	274.33235
877.37592	161.46742	563.11572	274.46081
878.04932	161.73783	562.37323	274.57225
878.72699	161.56055	562.47345	274.71789
879.44342	161.9267	561.7644	274.90217
880.13098	161.87868	561.57556	274.93737
880.8194	161.85659	561.34674	275.11547
881.52509	161.90135	561.08081	275.32611
882.21307	161.89223	560.7514	275.34766
882.90161	162.01541	560.39612	275.69019
883.638	161.92871	560.09747	275.64153
884.25629	161.94006	559.64185	275.76415
884.98065	161.97106	559.42371	275.90857
885.64551	161.88698	559.03357	276.17324
886.39862	161.85372	558.68152	276.2584
887.01843	161.9019	558.29004	276.33236
887.73151	161.69836	557.90552	276.47365
888.4173	161.60837	557.53247	276.565
889.086	161.39941	557.27118	276.77504
889.75	161.29939	556.85828	276.90799
890.55566	161.26635	556.65302	277.06232
891.12122	160.87825	556.22162	277.19798
891.84064	160.80605	555.93372	277.17828
892.50269	160.61892	555.48029	277.37509
893.21826	160.42978	555.24805	277.54994
893.89948	160.11072	554.91119	277.76484
894.5672	159.90521	554.5788	277.82449
895.28821	159.92953	554.26965	277.89822
896.01318	159.39364	553.88953	278.0519
896.68408	159.13763	553.68359	278.25411
897.30017	159.00255	553.32281	278.31413
898.00739	158.37413	552.95538	278.61989
898.74493	158.22579	552.62738	278.61892
899.40558	158.01206	552.15411	278.8166
900.09875	157.34846	551.68634	278.93467

900.85089	157.206	551.51721	278.96098
901.49823	156.6983	551.1228	279.08104
902.13177	156.58583	550.6944	279.19145
902.87567	155.99802	550.35187	279.40205
903.53241	155.60059	550.31891	279.56771
904.22766	155.11052	549.91486	279.55119
904.9342	154.80697	549.63135	279.79702
905.57971	154.28667	549.21448	279.88199
906.29358	153.77807	548.85077	280.18599
907.03961	153.29601	548.58472	280.02862
907.64441	152.69147	548.25598	280.1956
908.35736	152.67183	547.92078	280.44394
909.09253	151.83283	547.55402	280.54932
909.74792	151.50931	547.16516	280.63038
910.47064	150.72541	546.88251	280.82903
911.16827	150.30409	546.56213	280.85639
911.86365	149.84379	546.23615	280.88663
912.56372	149.37825	545.88568	281.0137
915.22308	148.40998	545.51196	281.28589
913.99036	148.02084	545.22351	281.3954
914.63379	147.58322	544.80432	281.54516
915.33057	147.1165	544.44507	281.68266
915.96704	146.39621	544.10773	281.65924
916.7066	145.83465	543.86865	281.94419
917.383	145.14477	543.50024	282.04159
916.17621	144.60473	543.15088	282.16826
917.92487	143.78784	542.8313	282.13797
919.47955	143.19274	542.41449	282.42084
920.05566	142.59793	542.15778	282.57089
920.86493	141.99585	541.84839	282.62502
921.98151	141.04614	541.52222	282.83289
921.58868	140.36707	541.13806	282.98834
922.62347	139.86238	540.80463	282.95446
923.09564	139.16638	540.48962	283.1274
924.55884	138.29087	540.13544	283.33725
925.48114	137.36748	539.78101	283.31745
924.3797	136.97126	539.4837	283.40663
926.55188	136.13915	539.13989	283.69071
927.58264	135.53706	538.77832	283.75056
927.21136	134.61393	538.4353	283.85592
927.14215	133.7275	537.95868	284.04732
927.96576	132.95935	537.74646	284.09092
928.62152	132.0615	537.26776	284.24989
930.47589	131.41774	537.06592	284.47445
931.18927	130.74857	536.65997	284.49684
931.85876	129.73083	536.36731	284.56174
932.62592	128.85935	535.99799	284.73635

933.30377	128.18048	535.66913	284.76239
934.01794	127.53115	535.39331	284.9891
934.49933	126.41933	534.85291	285.09732
935.44342	125.96308	534.59302	285.14654
934.64966	124.80044	534.38593	285.34343
935.7345	124.01558	534.08826	285.50774
937.56335	123.16696	533.71667	285.51254
938.00116	122.41523	533.28729	285.73736
937.73914	121.46143	533.01563	285.7828
939.08929	120.53431	532.67987	285.9287
938.01154	119.79095	532.27222	286.02057
940.10248	118.87822	532.01746	286.12932
940.20862	118.07307	531.66492	286.26866
941.74774	117.17255	531.36096	286.47236
942.93396	116.3367	531.00269	286.51319
943.50946	115.16958	530.67719	286.77364
944.18622	114.5326	530.31702	286.77029
944.70813	113.64169	530.00018	286.84578
945.16498	112.82477	529.65991	286.91545
946.58051	111.99845	529.3822	287.06091
946.11761	110.81313	529.01544	287.25334
947.44141	109.94499	528.62128	287.5349
949.27081	108.72985	528.27905	287.59878
950.237	108.07332	527.85645	287.68052
949.31891	107.09801	527.57672	287.8179
951.34149	106.22894	527.28571	287.87683
951.33197	105.16017	526.91919	287.91187
951.98676	104.27982	526.50568	288.15794
952.25641	103.52427	526.21759	288.22417
953.39819	102.46796	525.94812	288.54227
953.72302	101.47782	525.54993	288.37345
953.11859	100.41698	525.31708	288.576
955.40784	99.42821	524.84393	288.81623
955.39148	98.6403	524.42841	288.84719
957.8139	96.84049	524.24194	288.95966
958.87201	95.62203	523.94037	289.12511
957.90918	93.49415	523.58411	289.25279
959.83472	90.66299	523.28009	289.41616
961.3078	89.77166	522.96954	289.39941
959.96307	88.63509	522.60748	289.52688
962.56104	85.6634	522.2713	289.66426
963.76483	83.53077	521.88879	289.89731
964.75616	82.71331	521.52545	289.95382
967.09955	80.64532	521.25232	290.12028
965.74005	79.72123	520.89227	290.15768
967.17328	78.69555	520.53809	290.36333
969.3974	77.74714	520.1889	290.47975

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973.57501	71.91663	519.50964	290.63814
971.76898	71.00131	519.17786	290.94576
974.4892	66.22391	518.85834	290.88947
975.05737	65.76474	518.50507	291.09651
977.90454	64.39645	518.1803	291.13202
977.06671	63.39723	517.84967	291.32511
979.30621	59.46957	517.50647	291.3356
979.91052	59.11957	517.16107	291.57391
980.24164	58.0387	516.82623	291.62934
982.35559	56.53996	516.49567	291.8467
983.39661	55.5471	516.19965	291.95244
983.45026	54.67305	515.81494	292.1394
984.30188	54.20694	515.45111	292.09212
983.5976	53.34778	515.14764	292.04136
984.58148	52.88523	514.8266	292.45179
985.46399	50.12503	514.48804	292.50312
983.57001	49.9829	514.11383	292.56355
983.27185	49.9136	513.83429	292.77203
984.30206	49.69212	513.49054	292.85492
		513.14398	292.95963
		512.80096	293.0372
		512.46643	293.24128
		512.09705	293.48994
		511.77817	293.55476
		511.46561	293.54012
		511.09979	293.79116
		510.76041	293.87177
		510.44482	294.07002
		510.08838	294.18959
		509.75134	294.12097
		509.40179	294.46793
		509.10617	294.63194
		508.72397	294.69645
		508.38931	294.79657
		508.08554	294.8513
		507.75864	295.06913
		507.35751	295.12784
		507.03415	295.20663
		506.70892	295.3238
		506.38568	295.4787
		506.04794	295.57884
		505.69894	295.82053
		505.3718	295.93564
		505.01169	295.88324
		504.6701	296.11935
		504.21375	296.32536

503.86923	296.43046
503.56522	296.52733
503.23761	296.63712
502.83469	296.92514
502.52554	296.86989
502.14801	297.09103
501.79581	297.12969
501.52618	297.3109
501.19046	297.31568
500.85522	297.39804
500.4451	297.55455
500.16165	297.68367
499.7941	297.80659
499.47662	297.96228
499.20627	298.01657
498.77155	298.2338
498.42947	298.39248
498.09033	298.5799
497.81866	298.67239
497.4487	298.70361
497.18246	298.81195
496.76727	298.912
496.45667	299.10976
496.1077	299.23029
495.76981	299.26095
495.3754	299.38032
495.04453	299.56151
494.75079	299.72352
494.33548	299.68401
494.10165	299.86886
493.73532	300.06037
493.35501	300.23374
493.06168	300.30394
492.71558	300.42464
492.32718	300.52722
492.03693	300.60617
491.63654	300.80175
491.31299	300.9336
491.005	301.10082
490.65448	301.15217
490.3447	301.20641
489.9606	301.38243
489.61563	301.46714
489.30676	301.57916
488.99338	301.88779
488.64719	302.00751
488.27271	302.02339

487.95016	302.13907
487.59714	302.17152
487.30942	302.36631
486.93323	302.51629
486.59225	302.57376
486.2482	302.83034
485.93155	302.93409
485.59097	302.84016
485.24933	303.0513
484.93185	303.20869
484.53314	303.44012
484.24139	303.4286
483.88791	303.5766
483.58224	303.72225
483.24579	303.86478
482.87805	303.91449
482.53876	304.20549
482.19928	304.17577
481.84665	304.3281
481.55536	304.38295
481.19763	304.60502
480.85367	304.64774
480.52914	304.8848
480.18179	305.04031
479.83234	305.14513
479.53122	305.17652
479.18704	305.25762
478.80978	305.52254
478.51849	305.51823
478.17599	305.6868
477.80222	305.89873
477.45917	305.86343
477.19992	305.95881
476.78683	306.17987
476.51337	306.22164
476.13187	306.32709
475.75873	306.56835
475.4263	306.61367
475.07568	306.80021
474.75476	306.87111
474.43524	307.08694
474.12857	307.08656
473.77795	307.21948
473.37903	307.2795
473.06204	307.52534
472.71432	307.6141
472.37299	307.7349



472.09729	307.81337
471.71179	307.79331
471.40417	308.04937
471.07642	308.22367
470.66235	308.30463
470.35919	308.42609
470.06528	308.72329
469.70081	308.64669
469.36862	308.90667
469.02722	308.94554
468.62509	308.98383
468.36398	309.05359
467.98721	309.31164
467.66602	309.43475
467.29361	309.5461
466.95825	309.70757
466.62216	309.78976
466.31232	309.99295
465.97644	310.09521
465.67859	309.99892
465.33478	310.25709
465.04462	310.41662
464.6037	310.39311
464.2446	310.51424
463.90662	310.78981
463.62103	310.89444
463.28897	310.9272
462.88211	311.03285
462.62439	311.4321
462.26007	311.37065
461.91946	311.63903
461.61609	311.64417
461.2489	311.74235
460.87418	311.96852
460.59799	311.93916
460.22739	312.09331
459.94046	312.2845
459.54395	312.40476
459.23352	312.54224
458.88644	312.55074
458.5842	312.69081
458.24582	312.8362
457.87659	313.04865
457.56192	313.15861
457.19504	313.14903
456.88156	313.37363
456.5105	313.38399

456.15656	313.65021
455.87921	313.55324
455.46503	313.85718
455.21082	314.11168
454.85074	314.09526
454.49127	314.21793
454.12714	314.30147
453.83597	314.44438
453.48279	314.63527
453.12375	314.7101
452.77121	314.72142
452.52591	315.00059
452.09122	314.97672
451.78445	315.12889
451.48648	315.27545
451.10165	315.37106
450.73743	315.5579
450.47946	315.75054
450.12338	315.76695
449.79144	315.89863
449.40543	315.97279
449.09268	316.1514
448.74362	316.25441
448.40289	316.28369
448.04001	316.5409
447.73413	316.54924
447.41528	316.75673
447.08243	316.78419
446.77176	316.90712
446.45639	317.06645
446.06134	317.2104
445.70425	317.27656
445.36121	317.41677
445.05322	317.5254
444.7088	317.57908
444.38705	317.74604
444.06619	317.7795
443.71796	317.995
443.35287	318.18486
443.03958	318.21817
442.69879	318.22515
442.31052	318.49244
441.95239	318.3705
441.6684	318.63558
441.35345	318.62127
440.99347	318.78388
440.6463	318.93955

440.3244	319.14734
439.97049	319.21569
439.64838	319.23322
439.32513	319.34211
438.94843	319.39376
438.59473	319.71815
438.2645	319.73605
437.96924	319.82179
437.62546	319.94799
437.30157	320.12467
436.91714	320.14011
436.6059	320.26421
436.26453	320.3353
435.86847	320.38522
435.57498	320.53188
435.28452	320.72364
434.89148	320.71453
434.57938	320.85134
434.23032	320.98775
433.89774	321.01501
433.53522	321.2341
433.22366	321.24383
432.89432	321.27229
432.54868	321.48415
432.20233	321.52463
431.85748	321.69602
431.52081	321.80084
431.17548	321.81508
430.82617	322.04566
430.56628	322.19652
430.20413	322.19883
429.80545	322.17302
429.48877	322.38691
429.15036	322.40788
428.81482	322.6099
428.51535	322.63262
428.20935	322.70315
427.76862	322.96001
427.46335	322.96869
427.11237	322.99228
426.80829	323.05332
426.47122	323.18626
426.1153	323.28309
425.79871	323.3987
425.43286	323.49495
425.08163	323.68529
424.7735	323.67237

424.38419	323.85729
424.08011	323.86491
423.71158	324.0137
423.41476	324.11795
423.03781	324.28358
422.74017	324.33137
422.39517	324.27648
422.08673	324.52308
421.70474	324.5245
421.38953	324.61057
421.06152	324.83466
420.70203	324.79916
420.35791	324.94917
420.05829	324.8661
419.6647	325.14548
419.32504	325.22046
419.02002	325.1454
418.70389	325.40376
418.32327	325.5425
418.03186	325.53362
417.6423	325.65279
417.34702	325.78855
416.9794	325.72466
416.68338	325.90647
416.28452	326.0085
415.9136	326.09202
415.60611	326.21134
415.31888	326.19069
414.92535	326.44223
414.5451	326.46365
414.30161	326.50112
413.92529	326.55036
413.55124	326.65615
413.25815	326.69468
412.95801	326.84054
412.5946	327.01952
412.23743	327.01669
411.85364	327.09812
411.5946	327.26298
411.26682	327.28365
410.85147	327.43498
410.534	327.47435
410.18332	327.45461
409.7955	327.71645
409.51245	327.62996
409.18442	327.80464
408.88416	327.96285

408.52322	327.96041
408.18796	328.0765
407.8562	328.10234
407.46194	328.14059
407.16287	328.24421
406.7919	328.44004
406.49008	328.42738
406.13132	328.45693
405.81171	328.61221
405.44308	328.81391
405.0957	328.68933
404.82187	328.87508
404.44244	328.96807
404.11801	329.04034
403.77936	329.15165
403.50275	329.12747
403.12717	329.15425
402.70905	329.36912
402.47665	329.56928
402.13788	329.52059
401.75211	329.61448
401.3945	329.69956
401.0769	329.76153
400.77005	329.72968
400.4371	329.96696
400.06717	329.86082
399.72388	330.02636
399.38181	330.0742
399.02679	330.31091
398.71667	330.26862
398.4024	330.36332
398.03479	330.43597
397.66949	330.48752
397.37717	330.59141
397.02701	330.72293
396.6893	330.87212
396.33563	330.77065
395.95596	330.88035
395.617	331.06247
395.2991	331.09844
394.98322	331.24344
394.68579	331.17113
394.30942	331.26486
393.99057	331.38975
393.62955	331.30571
393.29288	331.47713
392.94928	331.64489

392.60544	331.6978
392.2868	331.75027
391.97165	331.85387
391.60873	331.83986
391.27579	332.07546
390.95557	332.01669
390.61862	332.11525
390.31238	332.07249
389.86288	332.39419
389.58463	332.29828
389.21317	332.46866
388.93475	332.4669
388.52103	332.54774
388.22012	332.78342
387.8421	332.66755
387.53918	332.81239
387.22409	333.01657
386.85486	333.05947
386.59094	333.06721
386.17728	333.16955
385.84152	333.17647
385.50443	333.28944
385.15723	333.30888
384.85968	333.47205
384.50046	333.55203
384.17969	333.51534
383.77502	333.4922
383.53134	333.77608
383.15866	333.94632
382.77945	333.67964
382.55447	334.03141
382.16098	333.98544
381.79248	334.08485
381.42551	334.16027
381.11508	334.16011
380.71899	334.20596
380.44162	334.42009
380.13901	334.39139
379.7652	334.51732
379.42346	334.50505
379.06836	334.66392
378.78259	334.6565
378.40479	334.81113
378.05264	334.79412
377.74622	334.8206
377.39523	334.94703
377.07224	335.12717

376.69852	335.15703
376.35846	335.21688
376.03284	335.25381
375.69302	335.27802
375.35547	335.51335
375.04251	335.4573
374.71213	335.48077
374.38922	335.69508
373.96524	335.6628
373.63037	335.73835
373.31256	335.83093
373.00995	335.94192
372.63263	336.014
372.2883	336.05509
371.9917	336.20778
371.62085	336.20888
371.26724	336.28169
370.95239	336.30764
370.63583	336.38173
370.31931	336.40371
369.95212	336.4897
369.61859	336.54969
369.24115	336.73448
368.96011	336.81779
368.5928	336.71601
368.2565	336.90125
367.93219	336.97738
367.58759	337.07415
367.2739	337.00085
366.90305	337.14422
366.59265	337.21678
366.23822	337.26591
365.89465	337.52115
365.60147	337.3851
365.24051	337.37293
364.82666	337.54963
364.52423	337.63236
364.20297	337.77591
363.8877	337.74908
363.53757	337.77563
363.15649	337.88879
362.88519	337.87358
362.50345	338.09267
362.1629	338.06021
361.83957	338.25478
361.47748	338.19823
361.17123	338.28459

360.82095	338.40945
360.4729	338.37518
360.1333	338.45504
359.81561	338.55794
359.51825	338.641
359.10626	338.80955
358.7807	338.75771
358.46606	338.70949
358.12262	338.95835
357.7355	338.92537
357.50156	339.09517
357.06226	339.04667
356.767	339.23762
356.40955	339.4017
356.1033	339.36257
355.74582	339.41137
355.44833	339.53941
355.11139	339.62012
354.72815	339.65527
354.34811	339.70587
354.09442	339.74891
353.7731	339.86057
353.33716	339.9297
353.05756	340.03362
352.69333	340.08157
352.31885	340.12827
351.96698	340.23903
351.73657	340.3147
351.32822	340.39946
351.02127	340.42317
350.71579	340.47936
350.33231	340.56983
350.05273	340.62155
350.00513	340.73565
350.00906	340.64183
350.01147	340.78104



**Figure 5**

Tzfc	Mzfc	Tfc	Mfc
5.45258	1.60E-04	4.58565	1.87E-04
6.13603	1.60E-04	5.27315	1.87E-04
6.81948	1.60E-04	5.96064	1.87E-04
7.50294	1.60E-04	6.64814	1.86E-04
8.18639	1.60E-04	7.33564	1.86E-04
8.86984	1.60E-04	8.02314	1.86E-04
9.55329	1.60E-04	8.71063	1.85E-04
10.23675	1.61E-04	9.39813	1.85E-04
10.9202	1.61E-04	10.08563	1.85E-04
11.60365	1.61E-04	10.77313	1.85E-04
12.2871	1.61E-04	11.46062	1.84E-04
12.97055	1.61E-04	12.14812	1.84E-04
13.65401	1.61E-04	12.83562	1.84E-04
14.33746	1.61E-04	13.52312	1.84E-04
15.02091	1.61E-04	14.21061	1.84E-04
15.70436	1.61E-04	14.89811	1.84E-04
16.38782	1.62E-04	15.58561	1.83E-04
17.07127	1.62E-04	16.27311	1.83E-04
17.75472	1.62E-04	16.9606	1.83E-04
18.43817	1.62E-04	17.6481	1.83E-04
19.12162	1.62E-04	18.3356	1.83E-04
19.80508	1.62E-04	19.0231	1.83E-04
20.48853	1.62E-04	19.71059	1.83E-04
21.17198	1.62E-04	20.39809	1.83E-04
21.85543	1.62E-04	21.08559	1.83E-04
22.53889	1.63E-04	21.77309	1.83E-04
23.22234	1.63E-04	22.46058	1.83E-04
23.90579	1.63E-04	23.14808	1.82E-04
24.58924	1.63E-04	23.83558	1.82E-04
25.27269	1.63E-04	24.52308	1.82E-04
25.95615	1.63E-04	25.21057	1.82E-04
26.6396	1.63E-04	25.89807	1.82E-04
27.32305	1.63E-04	26.58557	1.82E-04
28.0065	1.63E-04	27.27306	1.82E-04
28.68995	1.64E-04	27.96056	1.82E-04
29.37341	1.64E-04	28.64806	1.81E-04
30.05686	1.64E-04	29.33556	1.81E-04
30.74031	1.64E-04	30.02305	1.81E-04
31.42376	1.64E-04	30.71055	1.81E-04
32.10722	1.64E-04	31.39805	1.81E-04
32.79067	1.64E-04	32.08555	1.81E-04
33.47412	1.64E-04	32.77304	1.81E-04
34.15757	1.64E-04	33.46054	1.80E-04
34.84102	1.65E-04	34.14804	1.80E-04
35.52448	1.65E-04	34.83554	1.80E-04

36.20793	1.65E-04	35.52303	1.80E-04
36.89138	1.65E-04	36.21053	1.80E-04
37.57483	1.65E-04	36.89803	1.79E-04
38.25829	1.65E-04	37.58553	1.79E-04
38.94174	1.65E-04	38.27302	1.79E-04
39.62519	1.65E-04	38.96052	1.79E-04
40.30864	1.65E-04	39.64802	1.79E-04
40.99209	1.65E-04	40.33552	1.79E-04
41.67555	1.65E-04	41.02301	1.79E-04
42.359	1.65E-04	41.71051	1.78E-04
43.04245	1.65E-04	42.39801	1.78E-04
43.7259	1.65E-04	43.08551	1.78E-04
44.40936	1.65E-04	43.773	1.78E-04
45.09281	1.65E-04	44.4605	1.78E-04
45.77626	1.65E-04	45.148	1.78E-04
46.45971	1.65E-04	45.83549	1.77E-04
47.14316	1.65E-04	46.52299	1.77E-04
47.82662	1.65E-04	47.21049	1.77E-04
48.51007	1.65E-04	47.89799	1.77E-04
49.19352	1.65E-04	48.58548	1.77E-04
49.87697	1.64E-04	49.27298	1.76E-04
50.56043	1.64E-04	49.96048	1.76E-04
51.24388	1.64E-04	50.64798	1.76E-04
51.92733	1.64E-04	51.33547	1.76E-04
52.61078	1.64E-04	52.02297	1.75E-04
53.29423	1.64E-04	52.71047	1.75E-04
53.97769	1.64E-04	53.39797	1.75E-04
54.66114	1.64E-04	54.08546	1.75E-04
55.34459	1.63E-04	54.77296	1.74E-04
56.02804	1.63E-04	55.46046	1.74E-04
56.7115	1.63E-04	56.14796	1.74E-04
57.39495	1.63E-04	56.83545	1.74E-04
58.0784	1.63E-04	57.52295	1.74E-04
58.76185	1.63E-04	58.21045	1.73E-04
59.4453	1.62E-04	58.89795	1.73E-04
60.12876	1.62E-04	59.58544	1.73E-04
60.81221	1.62E-04	60.27294	1.72E-04
61.49566	1.62E-04	60.96044	1.72E-04
62.17911	1.61E-04	61.64794	1.72E-04
62.86257	1.61E-04	62.33543	1.71E-04
63.54602	1.61E-04	63.02293	1.71E-04
64.22947	1.61E-04	63.71043	1.71E-04
64.91292	1.60E-04	64.39793	1.71E-04
65.59637	1.60E-04	65.08542	1.70E-04
66.27983	1.60E-04	65.77292	1.70E-04
66.96328	1.60E-04	66.46042	1.70E-04
67.64673	1.60E-04	67.14791	1.69E-04

68.33018	1.59E-04	67.83541	1.69E-04
69.01364	1.59E-04	68.52291	1.69E-04
69.69709	1.59E-04	69.21041	1.68E-04
70.38054	1.59E-04	69.8979	1.68E-04
71.06399	1.58E-04	70.5854	1.67E-04
71.74744	1.58E-04	71.2729	1.67E-04
72.4309	1.58E-04	71.9604	1.67E-04
73.11435	1.58E-04	72.64789	1.66E-04
73.7978	1.57E-04	73.33539	1.66E-04
74.48125	1.57E-04	74.02289	1.66E-04
75.1647	1.57E-04	74.71039	1.66E-04
75.84816	1.57E-04	75.39788	1.65E-04
76.53161	1.56E-04	76.08538	1.65E-04
77.21506	1.56E-04	76.77288	1.65E-04
77.89851	1.56E-04	77.46038	1.64E-04
78.58197	1.56E-04	78.14787	1.64E-04
79.26542	1.55E-04	78.83537	1.64E-04
79.94887	1.55E-04	79.52287	1.64E-04
80.63232	1.55E-04	80.21037	1.63E-04
81.31577	1.54E-04	80.89786	1.63E-04
81.99923	1.54E-04	81.58536	1.63E-04
82.68268	1.54E-04	82.27286	1.63E-04
83.36613	1.54E-04	82.96036	1.62E-04
84.04958	1.54E-04	83.64785	1.62E-04
84.73304	1.53E-04	84.33535	1.62E-04
85.41649	1.53E-04	85.02285	1.62E-04
86.09994	1.53E-04	85.71034	1.61E-04
86.78339	1.53E-04	86.39784	1.61E-04
87.46684	1.53E-04	87.08534	1.61E-04
88.1503	1.52E-04	87.77284	1.60E-04
88.83375	1.52E-04	88.46033	1.60E-04
89.5172	1.52E-04	89.14783	1.60E-04
90.20065	1.51E-04	89.83533	1.59E-04
90.88411	1.51E-04	90.52283	1.59E-04
91.56756	1.51E-04	91.21032	1.59E-04
92.25101	1.51E-04	91.89782	1.58E-04
92.93446	1.50E-04	92.58532	1.58E-04
93.61791	1.50E-04	93.27282	1.58E-04
94.30137	1.50E-04	93.96031	1.57E-04
94.98482	1.50E-04	94.64781	1.57E-04
95.66827	1.49E-04	95.33531	1.57E-04
96.35172	1.49E-04	96.02281	1.56E-04
97.03518	1.49E-04	96.7103	1.56E-04
97.71863	1.49E-04	97.3978	1.56E-04
98.40208	1.48E-04	98.0853	1.56E-04
99.08553	1.48E-04	98.7728	1.55E-04
99.76898	1.48E-04	99.46029	1.55E-04

100.45244	1.48E-04	100.14779	1.55E-04
101.13589	1.47E-04	100.83529	1.55E-04
101.81934	1.47E-04	101.52279	1.54E-04
102.50279	1.47E-04	102.21028	1.54E-04
103.18625	1.47E-04	102.89778	1.54E-04
103.8697	1.46E-04	103.58528	1.54E-04
104.55315	1.46E-04	104.27278	1.53E-04
105.2366	1.46E-04	104.96027	1.53E-04
105.92005	1.46E-04	105.64777	1.53E-04
106.60351	1.45E-04	106.33527	1.53E-04
107.28696	1.45E-04	107.02276	1.52E-04
107.97041	1.45E-04	107.71026	1.52E-04
108.65386	1.45E-04	108.39776	1.52E-04
109.33732	1.45E-04	109.08526	1.52E-04
110.02077	1.44E-04	109.77275	1.52E-04
110.70422	1.44E-04	110.46025	1.51E-04
111.38767	1.44E-04	111.14775	1.51E-04
112.07112	1.44E-04	111.83525	1.51E-04
112.75458	1.44E-04	112.52274	1.51E-04
113.43803	1.43E-04	113.21024	1.50E-04
114.12148	1.43E-04	113.89774	1.50E-04
114.80493	1.43E-04	114.58524	1.50E-04
115.48838	1.43E-04	115.27273	1.50E-04
116.17184	1.43E-04	115.96023	1.49E-04
116.85529	1.42E-04	116.64773	1.49E-04
117.53874	1.42E-04	117.33523	1.49E-04
118.22219	1.42E-04	118.02272	1.48E-04
118.90565	1.42E-04	118.71022	1.48E-04
119.5891	1.42E-04	119.39772	1.48E-04
120.27255	1.41E-04	120.08522	1.48E-04
120.956	1.41E-04	120.77271	1.47E-04
121.63945	1.41E-04	121.46021	1.47E-04
122.32291	1.41E-04	122.14771	1.47E-04
123.00636	1.40E-04	122.83521	1.47E-04
123.68981	1.40E-04	123.5227	1.47E-04
124.37326	1.40E-04	124.2102	1.46E-04
125.05672	1.40E-04	124.8977	1.46E-04
125.74017	1.40E-04	125.5852	1.46E-04
126.42362	1.39E-04	126.27269	1.46E-04
127.10707	1.39E-04	126.96019	1.46E-04
127.79052	1.39E-04	127.64769	1.45E-04
128.47398	1.39E-04	128.33518	1.45E-04
129.15743	1.39E-04	129.02268	1.45E-04
129.84088	1.38E-04	129.71018	1.45E-04
130.52433	1.38E-04	130.39768	1.45E-04
131.20779	1.38E-04	131.08517	1.44E-04
131.89124	1.38E-04	131.77267	1.44E-04

132.57469	1.38E-04	132.46017	1.44E-04
133.25814	1.37E-04	133.14767	1.44E-04
133.94159	1.37E-04	133.83516	1.43E-04
134.62505	1.37E-04	134.52266	1.43E-04
135.3085	1.37E-04	135.21016	1.43E-04
135.99195	1.37E-04	135.89766	1.43E-04
136.6754	1.37E-04	136.58515	1.42E-04
137.35886	1.36E-04	137.27265	1.42E-04
138.04231	1.36E-04	137.96015	1.42E-04
138.72576	1.36E-04	138.64765	1.42E-04
139.40921	1.36E-04	139.33514	1.41E-04
140.09266	1.36E-04	140.02264	1.41E-04
140.77612	1.36E-04	140.71014	1.41E-04
141.45957	1.35E-04	141.39764	1.41E-04
142.14302	1.35E-04	142.08513	1.40E-04
142.82647	1.35E-04	142.77263	1.40E-04
143.50993	1.35E-04	143.46013	1.40E-04
144.19338	1.35E-04	144.14763	1.40E-04
144.87683	1.35E-04	144.83512	1.40E-04
145.56028	1.34E-04	145.52262	1.39E-04
146.24373	1.34E-04	146.21012	1.39E-04
146.92719	1.34E-04	146.89761	1.39E-04
147.61064	1.34E-04	147.58511	1.39E-04
148.29409	1.34E-04	148.27261	1.39E-04
148.97754	1.34E-04	148.96011	1.38E-04
149.661	1.33E-04	149.6476	1.38E-04
150.34445	1.33E-04	150.3351	1.38E-04
151.0279	1.33E-04	151.0226	1.38E-04
151.71135	1.33E-04	151.7101	1.37E-04
152.3948	1.33E-04	152.39759	1.37E-04
153.07826	1.33E-04	153.08509	1.37E-04
153.76171	1.32E-04	153.77259	1.37E-04
154.44516	1.32E-04	154.46009	1.37E-04
155.12861	1.32E-04	155.14758	1.36E-04
155.81206	1.32E-04	155.83508	1.36E-04
156.49552	1.32E-04	156.52258	1.36E-04
157.17897	1.32E-04	157.21008	1.36E-04
157.86242	1.31E-04	157.89757	1.36E-04
158.54587	1.31E-04	158.58507	1.35E-04
159.22933	1.31E-04	159.27257	1.35E-04
159.91278	1.31E-04	159.96007	1.35E-04
160.59623	1.31E-04	160.64756	1.35E-04
161.27968	1.31E-04	161.33506	1.35E-04
161.96313	1.30E-04	162.02256	1.34E-04
162.64659	1.30E-04	162.71006	1.34E-04
163.33004	1.30E-04	163.39755	1.34E-04
164.01349	1.30E-04	164.08505	1.34E-04

164.69694	1.30E-04	164.77255	1.34E-04
165.3804	1.30E-04	165.46005	1.34E-04
166.06385	1.29E-04	166.14754	1.34E-04
166.7473	1.29E-04	166.83504	1.33E-04
167.43075	1.29E-04	167.52254	1.33E-04
168.1142	1.29E-04	168.21003	1.33E-04
168.79766	1.29E-04	168.89753	1.33E-04
169.48111	1.29E-04	169.58503	1.33E-04
170.16456	1.28E-04	170.27253	1.33E-04
170.84801	1.28E-04	170.96002	1.32E-04
171.53147	1.28E-04	171.64752	1.32E-04
172.21492	1.28E-04	172.33502	1.32E-04
172.89837	1.28E-04	173.02252	1.32E-04
173.58182	1.28E-04	173.71001	1.32E-04
174.26527	1.28E-04	174.39751	1.32E-04
174.94873	1.27E-04	175.08501	1.31E-04
175.63218	1.27E-04	175.77251	1.31E-04
176.31563	1.27E-04	176.46	1.31E-04
176.99908	1.27E-04	177.1475	1.31E-04
177.68254	1.27E-04	177.835	1.31E-04
178.36599	1.27E-04	178.5225	1.31E-04
179.04944	1.27E-04	179.20999	1.30E-04
179.73289	1.26E-04	179.89749	1.30E-04
180.41634	1.26E-04	180.58499	1.30E-04
181.0998	1.26E-04	181.27249	1.30E-04
181.78325	1.26E-04	181.95998	1.30E-04
182.4667	1.26E-04	182.64748	1.30E-04
183.15015	1.26E-04	183.33498	1.30E-04
183.83361	1.26E-04	184.02248	1.29E-04
184.51706	1.25E-04	184.70997	1.29E-04
185.20051	1.25E-04	185.39747	1.29E-04
185.88396	1.25E-04	186.08497	1.29E-04
186.56741	1.25E-04	186.77246	1.29E-04
187.25087	1.25E-04	187.45996	1.29E-04
187.93432	1.25E-04	188.14746	1.28E-04
188.61777	1.25E-04	188.83496	1.28E-04
189.30122	1.24E-04	189.52245	1.28E-04
189.98468	1.24E-04	190.20995	1.28E-04
190.66813	1.24E-04	190.89745	1.28E-04
191.35158	1.24E-04	191.58495	1.28E-04
192.03503	1.24E-04	192.27244	1.27E-04
192.71848	1.24E-04	192.95994	1.27E-04
193.40194	1.24E-04	193.64744	1.27E-04
194.08539	1.23E-04	194.33494	1.27E-04
194.76884	1.23E-04	195.02243	1.27E-04
195.45229	1.23E-04	195.70993	1.27E-04
196.13575	1.23E-04	196.39743	1.27E-04

196.8192	1.23E-04	197.08493	1.26E-04
197.50265	1.23E-04	197.77242	1.26E-04
198.1861	1.23E-04	198.45992	1.26E-04
198.86955	1.22E-04	199.14742	1.26E-04
199.55301	1.22E-04	199.83492	1.26E-04
200.23646	1.22E-04	200.52241	1.26E-04
200.91991	1.22E-04	201.20991	1.26E-04
201.60336	1.22E-04	201.89741	1.26E-04
202.28681	1.22E-04	202.58491	1.25E-04
202.97027	1.22E-04	203.2724	1.25E-04
203.65372	1.21E-04	203.9599	1.25E-04
204.33717	1.21E-04	204.6474	1.25E-04
205.02062	1.21E-04	205.3349	1.25E-04
205.70408	1.21E-04	206.02239	1.25E-04
206.38753	1.21E-04	206.70989	1.25E-04
207.07098	1.21E-04	207.39739	1.24E-04
207.75443	1.21E-04	208.08488	1.24E-04
208.43788	1.20E-04	208.77238	1.24E-04
209.12134	1.20E-04	209.45988	1.24E-04
209.80479	1.20E-04	210.14738	1.24E-04
210.48824	1.20E-04	210.83487	1.24E-04
211.17169	1.20E-04	211.52237	1.23E-04
211.85515	1.20E-04	212.20987	1.23E-04
212.5386	1.20E-04	212.89737	1.23E-04
213.22205	1.20E-04	213.58486	1.23E-04
213.9055	1.20E-04	214.27236	1.23E-04
214.58895	1.19E-04	214.95986	1.23E-04
215.27241	1.19E-04	215.64736	1.23E-04
215.95586	1.19E-04	216.33485	1.22E-04
216.63931	1.19E-04	217.02235	1.22E-04
217.32276	1.19E-04	217.70985	1.22E-04
218.00622	1.19E-04	218.39735	1.22E-04
218.68967	1.19E-04	219.08484	1.22E-04
219.37312	1.19E-04	219.77234	1.22E-04
220.05657	1.19E-04	220.45984	1.22E-04
220.74002	1.18E-04	221.14734	1.21E-04
221.42348	1.18E-04	221.83483	1.21E-04
222.10693	1.18E-04	222.52233	1.21E-04
222.79038	1.18E-04	223.20983	1.21E-04
223.47383	1.18E-04	223.89733	1.21E-04
224.15729	1.18E-04	224.58482	1.21E-04
224.84074	1.18E-04	225.27232	1.21E-04
225.52419	1.18E-04	225.95982	1.20E-04
226.20764	1.18E-04	226.64731	1.20E-04
226.89109	1.18E-04	227.33481	1.20E-04
227.57455	1.17E-04	228.02231	1.20E-04
228.258	1.17E-04	228.70981	1.20E-04

228.94145	1.17E-04	229.3973	1.20E-04
229.6249	1.17E-04	230.0848	1.20E-04
230.30836	1.17E-04	230.7723	1.20E-04
230.99181	1.17E-04	231.4598	1.19E-04
231.67526	1.17E-04	232.14729	1.19E-04
232.35871	1.17E-04	232.83479	1.19E-04
233.04216	1.17E-04	233.52229	1.19E-04
233.72562	1.17E-04	234.20979	1.19E-04
234.40907	1.16E-04	234.89728	1.19E-04
235.09252	1.16E-04	235.58478	1.19E-04
235.77597	1.16E-04	236.27228	1.19E-04
236.45943	1.16E-04	236.95978	1.18E-04
237.14288	1.16E-04	237.64727	1.18E-04
237.82633	1.16E-04	238.33477	1.18E-04
238.50978	1.16E-04	239.02227	1.18E-04
239.19323	1.16E-04	239.70977	1.18E-04
239.87669	1.16E-04	240.39726	1.18E-04
240.56014	1.16E-04	241.08476	1.18E-04
241.24359	1.15E-04	241.77226	1.17E-04
241.92704	1.15E-04	242.45976	1.17E-04
242.61049	1.15E-04	243.14725	1.17E-04
243.29395	1.15E-04	243.83475	1.17E-04
243.9774	1.15E-04	244.52225	1.17E-04
244.66085	1.15E-04	245.20975	1.17E-04
245.3443	1.15E-04	245.89724	1.17E-04
246.02776	1.15E-04	246.58474	1.16E-04
246.71121	1.15E-04	247.27224	1.16E-04
247.39466	1.15E-04	247.95973	1.16E-04
248.07811	1.14E-04	248.64723	1.16E-04
248.76156	1.14E-04	249.33473	1.16E-04
249.44502	1.14E-04	250.02223	1.16E-04
250.12847	1.14E-04	250.70972	1.16E-04
250.81192	1.14E-04	251.39722	1.16E-04
251.49537	1.14E-04	252.08472	1.16E-04
252.17883	1.14E-04	252.77222	1.15E-04
252.86228	1.14E-04	253.45971	1.15E-04
253.54573	1.14E-04	254.14721	1.15E-04
254.22918	1.14E-04	254.83471	1.15E-04
254.91263	1.13E-04	255.52221	1.15E-04
255.59609	1.13E-04	256.2097	1.15E-04
256.27954	1.13E-04	256.8972	1.15E-04
256.96299	1.13E-04	257.5847	1.15E-04
257.64644	1.13E-04	258.2722	1.15E-04
258.3299	1.13E-04	258.95969	1.14E-04
259.01335	1.13E-04	259.64719	1.14E-04
259.6968	1.13E-04	260.33469	1.14E-04
260.38025	1.13E-04	261.02219	1.14E-04



261.0637	1.13E-04	261.70968	1.14E-04
261.74716	1.12E-04	262.39718	1.14E-04
262.43061	1.12E-04	263.08468	1.14E-04
263.11406	1.12E-04	263.77218	1.14E-04
263.79751	1.12E-04	264.45967	1.14E-04
264.48097	1.12E-04	265.14717	1.14E-04
265.16442	1.12E-04	265.83467	1.13E-04
265.84787	1.12E-04	266.52217	1.13E-04
266.53132	1.12E-04	267.20966	1.13E-04
267.21477	1.12E-04	267.89716	1.13E-04
267.89823	1.12E-04	268.58466	1.13E-04
268.58168	1.12E-04	269.27215	1.13E-04
269.26513	1.11E-04	269.95965	1.13E-04
269.94858	1.11E-04	270.64715	1.13E-04
270.63204	1.11E-04	271.33465	1.12E-04
271.31549	1.11E-04	272.02214	1.12E-04
271.99894	1.11E-04	272.70964	1.12E-04
272.68239	1.11E-04	273.39714	1.12E-04
273.36584	1.11E-04	274.08464	1.12E-04
274.0493	1.11E-04	274.77213	1.12E-04
274.73275	1.11E-04	275.45963	1.12E-04
275.4162	1.11E-04	276.14713	1.12E-04
276.09965	1.11E-04	276.83463	1.11E-04
276.78311	1.10E-04	277.52212	1.11E-04
277.46656	1.10E-04	278.20962	1.11E-04
278.15001	1.10E-04	278.89712	1.11E-04
278.83346	1.10E-04	279.58462	1.11E-04
279.51691	1.10E-04	280.27211	1.11E-04
280.20037	1.10E-04	280.95961	1.11E-04
280.88382	1.10E-04	281.64711	1.11E-04
281.56727	1.10E-04	282.33461	1.11E-04
282.25072	1.10E-04	283.0221	1.11E-04
282.93417	1.10E-04	283.7096	1.11E-04
283.61763	1.10E-04	284.3971	1.10E-04
284.30108	1.09E-04	285.0846	1.10E-04
284.98453	1.09E-04	285.77209	1.10E-04
285.66798	1.09E-04	286.45959	1.10E-04
286.35144	1.09E-04	287.14709	1.10E-04
287.03489	1.09E-04	287.83458	1.10E-04
287.71834	1.09E-04	288.52208	1.10E-04
288.40179	1.09E-04	289.20958	1.10E-04
289.08524	1.09E-04	289.89708	1.10E-04
289.7687	1.09E-04	290.58457	1.10E-04
290.45215	1.09E-04	291.27207	1.10E-04
291.1356	1.09E-04	291.95957	1.10E-04
291.81905	1.09E-04	292.64707	1.09E-04
292.50251	1.08E-04	293.33456	1.09E-04

293.18596	1.08E-04	294.02206	1.09E-04
293.86941	1.08E-04	294.70956	1.09E-04
294.55286	1.08E-04	295.39706	1.09E-04
295.23631	1.08E-04	296.08455	1.09E-04
295.91977	1.08E-04	296.77205	1.09E-04
296.60322	1.08E-04	297.45955	1.09E-04
297.28667	1.08E-04	298.14705	1.09E-04
297.97012	1.08E-04	298.83454	1.09E-04
298.65358	1.08E-04	299.52204	1.09E-04
299.33703	1.08E-04	300.20954	1.09E-04
300.02048	1.08E-04	300.89704	1.08E-04
300.70393	1.07E-04	301.58453	1.08E-04
301.38738	1.07E-04	302.27203	1.08E-04
302.07084	1.07E-04	302.95953	1.08E-04
302.75429	1.07E-04	303.64703	1.08E-04
303.43774	1.07E-04	304.33452	1.08E-04
304.12119	1.07E-04	305.02202	1.08E-04
304.80465	1.07E-04	305.70952	1.08E-04
305.4881	1.07E-04	306.39702	1.08E-04
306.17155	1.07E-04	307.08451	1.08E-04
306.855	1.07E-04	307.77201	1.08E-04
307.53845	1.07E-04	308.45951	1.07E-04
308.22191	1.07E-04	309.147	1.07E-04
308.90536	1.06E-04	309.8345	1.07E-04
309.58881	1.06E-04	310.522	1.07E-04
310.27226	1.06E-04	311.2095	1.07E-04
310.95572	1.06E-04	311.89699	1.07E-04
311.63917	1.06E-04	312.58449	1.07E-04
312.32262	1.06E-04	313.27199	1.07E-04
313.00607	1.06E-04	313.95949	1.07E-04
313.68952	1.06E-04	314.64698	1.07E-04
314.37298	1.06E-04	315.33448	1.06E-04
315.05643	1.06E-04	316.02198	1.06E-04
315.73988	1.06E-04	316.70948	1.06E-04
316.42333	1.06E-04	317.39697	1.06E-04
317.10679	1.06E-04	318.08447	1.06E-04
317.79024	1.05E-04	318.77197	1.06E-04
318.47369	1.05E-04	319.45947	1.06E-04
319.15714	1.05E-04	320.14696	1.06E-04
319.84059	1.05E-04	320.83446	1.06E-04
320.52405	1.05E-04	321.52196	1.06E-04
321.2075	1.05E-04	322.20946	1.05E-04
321.89095	1.05E-04	322.89695	1.05E-04
322.5744	1.05E-04	323.58445	1.05E-04
323.25786	1.05E-04	324.27195	1.05E-04
323.94131	1.05E-04	324.95945	1.05E-04
324.62476	1.05E-04	325.64694	1.05E-04

325.30821	1.05E-04	326.33444	1.05E-04
325.99166	1.04E-04	327.02194	1.05E-04
326.67512	1.04E-04	327.70943	1.05E-04
327.35857	1.04E-04	328.39693	1.05E-04
328.04202	1.04E-04	329.08443	1.04E-04
328.72547	1.04E-04	329.77193	1.04E-04
329.40892	1.04E-04	330.45942	1.04E-04
330.09238	1.04E-04	331.14692	1.04E-04
330.77583	1.04E-04	331.83442	1.04E-04
331.45928	1.04E-04	332.52192	1.04E-04
332.14273	1.04E-04	333.20941	1.04E-04
332.82619	1.04E-04	333.89691	1.04E-04
333.50964	1.04E-04	334.58441	1.04E-04
334.19309	1.03E-04	335.27191	1.04E-04
334.87654	1.03E-04	335.9594	1.04E-04
335.55999	1.03E-04	336.6469	1.04E-04
336.24345	1.03E-04	337.3344	1.04E-04
336.9269	1.03E-04	338.0219	1.03E-04
337.61035	1.03E-04	338.70939	1.03E-04
338.2938	1.03E-04	339.39689	1.03E-04
338.97726	1.03E-04	340.08439	1.03E-04
339.66071	1.03E-04	340.77189	1.03E-04
340.34416	1.03E-04	341.45938	1.03E-04
341.02761	1.03E-04	342.14688	1.03E-04
341.71106	1.03E-04	342.83438	1.03E-04
342.39452	1.03E-04	343.52188	1.03E-04
343.07797	1.03E-04	344.20937	1.03E-04
343.76142	1.03E-04	344.89687	1.03E-04
344.44487	1.02E-04	345.58437	1.03E-04
345.12833	1.02E-04	346.27187	1.03E-04
345.81178	1.02E-04	346.95936	1.03E-04
346.49523	1.02E-04	347.64686	1.02E-04

moH	T5K-PA	moH	T5K-PE	moH	T5K-PA	moH
2.01233	1	2.01586	0.9913	2.01233	1	2.01124
2.01232	0.9868	2.0096	0.99286	2.01232	0.9868	2.01118
2.01227	0.98516	1.99544	0.99306	2.01227	0.98516	2.0112
2.01227	0.99094	1.97879	0.99303	2.01227	0.99094	2.00982
2.0073	0.988	1.96189	0.99144	2.0073	0.988	2.00157
1.99465	0.98594	1.94439	0.99371	1.99465	0.98594	1.98631
1.97819	0.9757	1.92689	0.9949	1.97819	0.9757	1.9696
1.96108	0.97508	1.91182	0.99428	1.96108	0.97508	1.95208
1.9438	0.9731	1.89578	0.9957	1.9438	0.9731	1.93477
1.92633	0.96876	1.87793	0.99456	1.92633	0.96876	1.918
1.91087	0.98695	1.86033	0.99396	1.91087	0.98695	1.90255
1.8948	1.00062	1.84311	0.99557	1.8948	1.00062	1.88623
1.87733	0.99455	1.82446	0.99771	1.87733	0.99455	1.86846
1.85975	0.99376	1.80576	0.99747	1.85975	0.99376	1.85097
1.84223	0.98477	1.78828	0.996	1.84223	0.98477	1.8336
1.82474	0.97954	1.77154	0.99673	1.82474	0.97954	1.81446
1.80558	0.98817	1.75537	0.99765	1.80558	0.98817	1.7959
1.78742	0.98399	1.73852	0.99777	1.78742	0.98399	1.77893
1.77083	0.98534	1.72338	0.99638	1.77083	0.98534	1.76254
1.75444	0.9904	1.70787	0.99614	1.75444	0.9904	1.74571
1.73763	0.98405	1.6899	0.99774	1.73763	0.98405	1.72903
1.72298	0.98964	1.67187	0.9976	1.72298	0.98964	1.71406
1.70708	0.99048	1.6543	0.99774	1.70708	0.99048	1.69833
1.6891	0.9885	1.63617	0.99848	1.6891	0.9885	1.68021
1.6711	0.99996	1.62211	0.99808	1.6711	0.99996	1.66224
1.65348	0.99688	1.60742	0.99701	1.65348	0.99688	1.6442
1.63598	0.99623	1.58931	0.99742	1.63598	0.99623	1.62642
1.62021	1.00085	1.57085	0.99894	1.62021	1.00085	1.61278
1.6057	0.99808	1.5522	0.99993	1.6057	0.99808	1.5979
1.58899	0.99568	1.53388	1	1.58899	0.99568	1.57973
1.5703	0.99669	1.51595	0.99979	1.5703	0.99669	1.56129
1.55174	0.99947	1.49869	0.99926	1.55174	0.99947	1.54244
1.53362	1.00816	1.48176	0.99887	1.53362	1.00816	1.52396
1.51544	1.00589	1.46439	0.9994	1.51544	1.00589	1.50626
1.49815	1.00194	1.44694	1	1.49815	1.00194	1.489
1.48084	0.99051	1.42965	0.99958	1.48084	0.99051	1.47214
1.46343	0.98471	1.40992	0.99974	1.46343	0.98471	1.45499
1.44652	0.98956	1.3919	0.99899	1.44652	0.98956	1.43774
1.42892	0.98452	1.37547	0.99892	1.42892	0.98452	1.41881
1.40931	0.9802	1.35914	0.99981	1.40931	0.9802	1.39965
1.39089	0.98255	1.34258	0.99915	1.39089	0.98255	1.38266
1.3745	0.97914	1.32656	0.99721	1.3745	0.97914	1.36638
1.35839	0.9803	1.31082	0.99657	1.35839	0.9803	1.34966
1.34171	0.9935	1.29346	0.99718	1.34171	0.9935	1.3331
1.32532	0.99516	1.27591	0.99826	1.32532	0.99516	1.31764
1.30986	0.98859	1.25815	1.00015	1.30986	0.98859	1.3011

1.29276	0.9913	1.24068	0.9989	1.29276	0.9913	1.28376
1.27533	1.00318	1.22435	0.99699	1.27533	1.00318	1.26609
1.25766	0.99561	1.20759	0.9962	1.25766	0.99561	1.24863
1.24026	0.98475	1.19034	0.9954	1.24026	0.98475	1.23143
1.22365	0.98493	1.17293	0.996	1.22365	0.98493	1.21505
1.20697	0.9883	1.15486	0.99584	1.20697	0.9883	1.19822
1.18969	0.98431	1.13731	0.99366	1.18969	0.98431	1.18064
1.17209	0.97994	1.12002	0.99413	1.17209	0.97994	1.16311
1.15449	0.98221	1.10271	0.99547	1.15449	0.98221	1.14521
1.13658	0.98508	1.08569	0.99512	1.13658	0.98508	1.12773
1.11899	0.98385	1.06821	0.99338	1.11899	0.98385	1.11009
1.10155	0.97081	1.0507	0.99195	1.10155	0.97081	1.09288
1.08443	0.96864	1.0338	0.99117	1.08443	0.96864	1.07569
1.06762	0.96971	1.01656	0.98934	1.06762	0.96971	1.05833
1.0502	0.96461	0.99893	0.98867	1.0502	0.96461	1.04143
1.03297	0.9784	0.98201	0.98884	1.03297	0.9784	1.02401
1.0154	0.98551	0.96557	0.98859	1.0154	0.98551	1.00637
0.998	0.9811	0.9482	0.98725	0.998	0.9811	0.98956
0.98129	0.98906	0.93074	0.98499	0.98129	0.98906	0.97252
0.9647	0.99493	0.91344	0.98262	0.9647	0.99493	0.95552
0.94746	0.986	0.89612	0.98081	0.94746	0.986	0.9387
0.93015	0.97468	0.87897	0.98164	0.93015	0.97468	0.92132
0.91235	0.96863	0.86185	0.97962	0.91235	0.96863	0.90374
0.89517	0.97452	0.8451	0.97502	0.89517	0.97452	0.88686
0.87878	0.98729	0.8281	0.97421	0.87878	0.98729	0.86951
0.86149	0.98196	0.81043	0.97307	0.86149	0.98196	0.85228
0.84443	0.98618	0.79338	0.97035	0.84443	0.98618	0.83561
0.82711	0.97505	0.77568	0.96727	0.82711	0.97505	0.81826
0.80954	0.96046	0.75792	0.96394	0.80954	0.96046	0.80053
0.79227	0.97241	0.74152	0.96282	0.79227	0.97241	0.78367
0.77483	0.96723	0.72493	0.9595	0.77483	0.96723	0.76619
0.75739	0.96546	0.70793	0.95617	0.75739	0.96546	0.74858
0.74074	0.95707	0.69058	0.95344	0.74074	0.95707	0.73202
0.72399	0.96072	0.67263	0.94892	0.72399	0.96072	0.7157
0.707	0.96469	0.65537	0.94515	0.707	0.96469	0.69894
0.68981	0.9527	0.63836	0.94143	0.68981	0.9527	0.68135
0.67189	0.95926	0.62188	0.93654	0.67189	0.95926	0.66315
0.65447	0.96039	0.60526	0.93075	0.65447	0.96039	0.6455
0.63738	0.96031	0.58808	0.92443	0.63738	0.96031	0.62869
0.62107	0.9553	0.57108	0.91699	0.62107	0.9553	0.61242
0.60439	0.9508	0.55394	0.90962	0.60439	0.9508	0.59579
0.58717	0.94594	0.53614	0.90203	0.58717	0.94594	0.57849
0.57053	0.94579	0.51945	0.89313	0.57053	0.94579	0.56154
0.55305	0.95117	0.50242	0.88488	0.55305	0.95117	0.54438
0.53522	0.93847	0.48444	0.87691	0.53522	0.93847	0.52685
0.51866	0.94445	0.466	0.8653	0.51866	0.94445	0.50987
0.50199	0.94361	0.44875	0.85286	0.50199	0.94361	0.49284

0.48414	0.92277	0.43198	0.8416	0.48414	0.92277	0.475
0.46547	0.91924	0.41504	0.82857	0.46547	0.91924	0.45656
0.44758	0.92367	0.39797	0.81443	0.44758	0.92367	0.43915
0.43077	0.93392	0.38117	0.7996	0.43077	0.93392	0.42213
0.41374	0.93313	0.36436	0.78442	0.41374	0.93313	0.40508
0.39713	0.90081	0.34758	0.76757	0.39713	0.90081	0.38857
0.38036	0.88375	0.33004	0.74946	0.38036	0.88375	0.3718
0.36379	0.89054	0.31243	0.72976	0.36379	0.89054	0.3548
0.34714	0.88404	0.2953	0.70862	0.34714	0.88404	0.33791
0.32951	0.88431	0.2779	0.6874	0.32951	0.88431	0.32027
0.3115	0.88963	0.26111	0.66541	0.3115	0.88963	0.30269
0.29435	0.86917	0.24389	0.64212	0.29435	0.86917	0.2852
0.27688	0.85708	0.2256	0.61583	0.27688	0.85708	0.26815
0.26034	0.85736	0.20775	0.58835	0.26034	0.85736	0.25118
0.24297	0.83127	0.1903	0.56202	0.24297	0.83127	0.23376
0.22512	0.80352	0.173	0.5326	0.22512	0.80352	0.216
0.20704	0.80009	0.1562	0.50082	0.20704	0.80009	0.19798
0.18958	0.79186	0.13859	0.4681	0.18958	0.79186	0.18063
0.17249	0.76972	0.12074	0.43212	0.17249	0.76972	0.16375
0.15524	0.74337	0.10331	0.39585	0.15524	0.74337	0.14628
0.13799	0.73378	0.08517	0.35795	0.13799	0.73378	0.12861
0.12013	0.72476	0.06713	0.3168	0.12013	0.72476	0.11117
0.10237	0.68662	0.05033	0.27448	0.10237	0.68662	0.09317
0.08431	0.64461	0.03364	0.23038	0.08431	0.64461	0.07533
0.06639	0.60831	0.01396	0.18653	0.06639	0.60831	0.0577
0.04951	0.55913	-0.0057	0.13679	0.04951	0.55913	0.04061
0.03269	0.49459	-0.02447	0.08011	0.03269	0.49459	0.02463
0.0127	0.43993	-0.04386	0.02424	0.0127	0.43993	0.00474
-0.00671	0.36168	-0.06169	-0.03015	-0.00671	0.36168	-0.01547
-0.02514	0.2638	-0.07648	-0.08744	-0.02514	0.2638	-0.03401
-0.0443	0.17618	-0.09138	-0.14426	-0.0443	0.17618	-0.0538
-0.06388	0.08815	-0.10831	-0.19564	-0.06388	0.08815	-0.06949
-0.078	-0.00502	-0.12569	-0.24487	-0.078	-0.00502	-0.08413
-0.09273	-0.08819	-0.14307	-0.29308	-0.09273	-0.08819	-0.10092
-0.10927	-0.16144	-0.15732	-0.34101	-0.10927	-0.16144	-0.1176
-0.12664	-0.23994	-0.17258	-0.38748	-0.12664	-0.23994	-0.1347
-0.14413	-0.31356	-0.18956	-0.43031	-0.14413	-0.31356	-0.15272
-0.15869	-0.38621	-0.20681	-0.4725	-0.15869	-0.38621	-0.16703
-0.17391	-0.44788	-0.22423	-0.51338	-0.17391	-0.44788	-0.18219
-0.19095	-0.50867	-0.242	-0.55219	-0.19095	-0.50867	-0.19936
-0.20813	-0.5777	-0.2595	-0.58775	-0.20813	-0.5777	-0.21657
-0.22534	-0.65187	-0.27711	-0.62129	-0.22534	-0.65187	-0.23414
-0.24261	-0.70838	-0.29427	-0.6536	-0.24261	-0.70838	-0.25174
-0.26052	-0.75962	-0.31092	-0.68348	-0.26052	-0.75962	-0.26917
-0.2782	-0.80186	-0.32811	-0.7119	-0.2782	-0.80186	-0.28629
-0.29522	-0.81912	-0.34523	-0.73693	-0.29522	-0.81912	-0.30339
-0.31229	-0.84528	-0.36228	-0.76036	-0.31229	-0.84528	-0.32065

-0.32913	-0.86456	-0.3798	-0.78122	-0.32913	-0.86456	-0.33772
-0.3463	-0.88241	-0.39711	-0.80025	-0.3463	-0.88241	-0.35454
-0.36346	-0.90723	-0.4146	-0.81968	-0.36346	-0.90723	-0.37189
-0.38085	-0.91543	-0.43173	-0.83566	-0.38085	-0.91543	-0.38894
-0.39803	-0.91607	-0.4485	-0.85034	-0.39803	-0.91607	-0.40645
-0.41525	-0.91467	-0.46473	-0.86471	-0.41525	-0.91467	-0.42403
-0.43235	-0.92805	-0.48104	-0.87692	-0.43235	-0.92805	-0.44067
-0.44971	-0.94454	-0.49828	-0.88776	-0.44971	-0.94454	-0.45813
-0.46568	-0.94318	-0.51573	-0.89681	-0.46568	-0.94318	-0.47409
-0.48195	-0.94186	-0.53285	-0.90622	-0.48195	-0.94186	-0.49016
-0.49925	-0.94455	-0.55011	-0.91412	-0.49925	-0.94455	-0.50798
-0.51691	-0.9515	-0.56799	-0.92126	-0.51691	-0.9515	-0.52555
-0.53423	-0.95925	-0.58549	-0.92765	-0.53423	-0.95925	-0.5427
-0.55107	-0.96469	-0.60171	-0.93155	-0.55107	-0.96469	-0.56
-0.56882	-0.96736	-0.61779	-0.93791	-0.56882	-0.96736	-0.57771
-0.58667	-0.96395	-0.63467	-0.94384	-0.58667	-0.96395	-0.59531
-0.60269	-0.95364	-0.65208	-0.9479	-0.60269	-0.95364	-0.6113
-0.61903	-0.95459	-0.66905	-0.95188	-0.61903	-0.95459	-0.62705
-0.63593	-0.95943	-0.68617	-0.95562	-0.63593	-0.95943	-0.64413
-0.65321	-0.95798	-0.70403	-0.95947	-0.65321	-0.95798	-0.66147
-0.67037	-0.96519	-0.72184	-0.96195	-0.67037	-0.96519	-0.67876
-0.68711	-0.97116	-0.73894	-0.96444	-0.68711	-0.97116	-0.69579
-0.70501	-0.97482	-0.75541	-0.96589	-0.70501	-0.97482	-0.71333
-0.72274	-0.97577	-0.77265	-0.96936	-0.72274	-0.97577	-0.73091
-0.73986	-0.98037	-0.78984	-0.97314	-0.73986	-0.98037	-0.74771
-0.75661	-0.98309	-0.80641	-0.97317	-0.75661	-0.98309	-0.76489
-0.77378	-0.97859	-0.82374	-0.97444	-0.77378	-0.97859	-0.78208
-0.79099	-0.98578	-0.84114	-0.97641	-0.79099	-0.98578	-0.79913
-0.80752	-0.99147	-0.85808	-0.97767	-0.80752	-0.99147	-0.816
-0.82487	-0.99544	-0.8754	-0.97929	-0.82487	-0.99544	-0.83338
-0.84219	-0.98367	-0.89261	-0.98058	-0.84219	-0.98367	-0.85086
-0.85947	-0.9833	-0.90908	-0.98189	-0.85947	-0.9833	-0.86786
-0.8767	-0.99571	-0.92553	-0.98427	-0.8767	-0.99571	-0.8853
-0.89355	-0.98743	-0.9432	-0.98432	-0.89355	-0.98743	-0.90194
-0.9104	-0.97687	-0.96184	-0.9834	-0.9104	-0.97687	-0.91811
-0.9271	-0.99037	-0.97972	-0.98553	-0.9271	-0.99037	-0.93514
-0.94432	-1.00343	-0.99554	-0.98518	-0.94432	-1.00343	-0.95313
-0.96266	-0.99777	-1.01183	-0.98548	-0.96266	-0.99777	-0.97142
-0.98061	-0.99387	-1.02883	-0.98584	-0.98061	-0.99387	-0.98904
-0.99692	-0.98178	-1.04595	-0.98612	-0.99692	-0.98178	-1.00517
-1.01343	-0.98669	-1.06283	-0.98785	-1.01343	-0.98669	-1.02133
-1.03025	-0.98855	-1.07952	-0.98797	-1.03025	-0.98855	-1.03843
-1.04694	-0.99439	-1.09752	-0.98798	-1.04694	-0.99439	-1.05533
-1.06391	-0.99974	-1.1154	-0.98744	-1.06391	-0.99974	-1.07227
-1.08097	-0.9905	-1.13255	-0.9881	-1.08097	-0.9905	-1.08918
-1.09856	-0.99464	-1.15018	-0.98764	-1.09856	-0.99464	-1.10705
-1.1164	-0.99005	-1.16754	-0.9864	-1.1164	-0.99005	-1.12498

-1.13406	-0.99031	-1.18463	-0.98761	-1.13406	-0.99031	-1.14242
-1.15148	-0.99294	-1.20088	-0.98806	-1.15148	-0.99294	-1.15969
-1.16855	-1.00182	-1.21766	-0.98843	-1.16855	-1.00182	-1.17706
-1.18562	-1.00462	-1.23477	-0.98836	-1.18562	-1.00462	-1.19366
-1.20222	-1.00579	-1.25166	-0.98961	-1.20222	-1.00579	-1.21003
-1.21868	-1.00587	-1.26893	-0.99011	-1.21868	-1.00587	-1.22683
-1.23557	-0.99175	-1.28666	-0.98911	-1.23557	-0.99175	-1.24422
-1.25281	-1.00698	-1.30437	-0.99019	-1.25281	-1.00698	-1.26149
-1.26994	-1.01068	-1.32229	-0.99106	-1.26994	-1.01068	-1.27867
-1.28714	-0.99597	-1.34002	-0.99118	-1.28714	-0.99597	-1.29642
-1.30487	-0.99077	-1.3575	-0.98953	-1.30487	-0.99077	-1.31418
-1.32286	-0.9984	-1.37542	-0.98749	-1.32286	-0.9984	-1.33157
-1.34085	-1.0074	-1.3917	-0.98786	-1.34085	-1.0074	-1.34945
-1.35844	-1.0052	-1.40721	-0.98928	-1.35844	-1.0052	-1.36763
-1.37633	-1.01724	-1.42371	-0.9898	-1.37633	-1.01724	-1.38527
-1.39352	-1.01624	-1.44107	-0.99013	-1.39352	-1.01624	-1.40049
-1.40915	-1.00799	-1.45847	-0.99062	-1.40915	-1.00799	-1.4162
-1.42528	-1.01062	-1.47598	-0.98903	-1.42528	-1.01062	-1.43351
-1.4421	-1.00082	-1.49305	-0.98902	-1.4421	-1.00082	-1.45088
-1.4596	-1.00401	-1.51031	-0.98967	-1.4596	-1.00401	-1.46812
-1.47698	-1.01447	-1.52766	-0.98862	-1.47698	-1.01447	-1.48509
-1.49369	-1.00269	-1.54534	-0.98762	-1.49369	-1.00269	-1.5023
-1.51107	-1.00228	-1.56304	-0.98761	-1.51107	-1.00228	-1.51966
-1.5286	-1.01506	-1.58027	-0.98856	-1.5286	-1.01506	-1.53739
-1.54636	-1.00952	-1.59613	-0.98905	-1.54636	-1.00952	-1.55505
-1.56408	-1.0036	-1.61214	-0.98928	-1.56408	-1.0036	-1.57276
-1.58135	-1.01632	-1.62867	-0.98986	-1.58135	-1.01632	-1.59007
-1.59712	-1.01932	-1.64513	-0.99029	-1.59712	-1.01932	-1.60563
-1.61333	-1.00858	-1.66187	-0.98927	-1.61333	-1.00858	-1.62164
-1.63	-1.00089	-1.67872	-0.98691	-1.63	-1.00089	-1.63819
-1.64633	-1.00892	-1.69723	-0.98797	-1.64633	-1.00892	-1.65485
-1.66307	-1.01253	-1.7154	-0.98836	-1.66307	-1.01253	-1.67164
-1.67972	-1.00327	-1.73192	-0.9877	-1.67972	-1.00327	-1.68877
-1.69821	-1.0158	-1.74821	-0.98856	-1.69821	-1.0158	-1.7068
-1.71646	-1.01787	-1.76501	-0.98871	-1.71646	-1.01787	-1.72456
-1.73297	-1.01234	-1.7822	-0.98693	-1.73297	-1.01234	-1.74157
-1.7497	-1.01578	-1.80084	-0.98528	-1.7497	-1.01578	-1.75813
-1.7667	-1.00572	-1.81916	-0.98739	-1.7667	-1.00572	-1.77457
-1.78344	-0.99897	-1.83655	-0.98642	-1.78344	-0.99897	-1.79247
-1.80159	-1.00661	-1.85381	-0.98401	-1.80159	-1.00661	-1.81091
-1.82013	-1.01089	-1.87126	-0.9835	-1.82013	-1.01089	-1.82845
-1.83762	-1.01062	-1.8882	-0.98369	-1.83762	-1.01062	-1.84602
-1.85469	-1.00477	-1.9047	-0.98545	-1.85469	-1.00477	-1.86343
-1.87181	-1.00464	-1.92183	-0.98272	-1.87181	-1.00464	-1.8805
-1.88927	-1.01383	-1.93922	-0.98219	-1.88927	-1.01383	-1.89712
-1.90612	-1.00695	-1.95684	-0.98489	-1.90612	-1.00695	-1.91399
-1.92319	-1.00074	-1.9743	-0.98328	-1.92319	-1.00074	-1.93165



-1.94033	-1.00555	-1.98742	-0.98446	-1.94033	-1.00555	-1.94903
-1.95779	-1.00754	-1.99276	-0.98522	-1.95779	-1.00754	-1.96654
-1.97571	-1.01289	-1.99432	-0.98379	-1.97571	-1.01289	-1.98352
-1.98973	-1	-1.99465	-0.98269	-1.98973	-1	-1.99483
-1.99645	-0.9839	-1.99472	-0.98316	-1.99645	-0.9839	-1.99869
-1.99844	-0.98903	-1.99474	-0.98496	-1.99844	-0.98903	-1.99989
-1.99906	-1.00025	-1.99473	-0.98465	-1.99906	-1.00025	-2.00027
-1.99923	-1.01197	-1.99474	-0.98558	-1.99923	-1.01197	-2.00035
-1.99925	-1.00925	-1.99476	-0.98459	-1.99925	-1.00925	-2.00037
-1.99925	-0.99027	-1.99477	-0.9838	-1.99925	-0.99027	-2.00039
-1.99927	-0.99008	-1.99272	-0.98343	-1.99927	-0.99008	-2.0004
-1.99928	-1.00692	-1.98235	-0.98487	-1.99928	-1.00692	-2.00037
-1.99812	-1.00063	-1.96672	-0.98744	-1.99812	-1.00063	-1.99713
-1.99086	-0.99044	-1.94991	-0.98671	-1.99086	-0.99044	-1.98648
-1.97594	-0.98326	-1.93316	-0.98869	-1.97594	-0.98326	-1.97072
-1.95916	-0.98324	-1.91596	-0.98939	-1.95916	-0.98324	-1.95385
-1.9424	-0.99827	-1.89926	-0.98931	-1.9424	-0.99827	-1.93685
-1.92561	-0.998	-1.88291	-0.99015	-1.92561	-0.998	-1.91976
-1.90857	-0.99405	-1.86594	-0.98913	-1.90857	-0.99405	-1.9032
-1.89181	-0.99991	-1.84836	-0.99098	-1.89181	-0.99991	-1.88684
-1.8752	-0.99649	-1.83088	-0.99112	-1.8752	-0.99649	-1.86954
-1.85781	-0.98454	-1.81396	-0.99037	-1.85781	-0.98454	-1.85212
-1.84065	-0.99818	-1.79517	-0.99264	-1.84065	-0.99818	-1.83507
-1.82324	-1.00195	-1.77716	-0.99237	-1.82324	-1.00195	-1.81745
-1.80542	-0.98297	-1.76026	-0.99338	-1.80542	-0.98297	-1.79856
-1.78708	-0.98602	-1.74333	-0.99415	-1.78708	-0.98602	-1.78107
-1.76956	-1.00067	-1.72684	-0.99259	-1.76956	-1.00067	-1.76414
-1.75267	-1.00472	-1.71027	-0.99296	-1.75267	-1.00472	-1.74744
-1.73592	-0.99579	-1.6919	-0.99397	-1.73592	-0.99579	-1.73074
-1.71957	-0.98925	-1.67359	-0.996	-1.71957	-0.98925	-1.71413
-1.70176	-0.98843	-1.65698	-0.99564	-1.70176	-0.98843	-1.69596
-1.68362	-0.99287	-1.64061	-0.99469	-1.68362	-0.99287	-1.67781
-1.66624	-0.99066	-1.62377	-0.99475	-1.66624	-0.99066	-1.66081
-1.64949	-0.99253	-1.60708	-0.99551	-1.64949	-0.99253	-1.64412
-1.63285	-0.99818	-1.59122	-0.99661	-1.63285	-0.99818	-1.62777
-1.61613	-0.99579	-1.57477	-0.99589	-1.61613	-0.99579	-1.61088
-1.6008	-0.99883	-1.55748	-0.99559	-1.6008	-0.99883	-1.59507
-1.58447	-0.99305	-1.54014	-0.99694	-1.58447	-0.99305	-1.57901
-1.56688	-0.98715	-1.52232	-0.99568	-1.56688	-0.98715	-1.56123
-1.54954	-0.99945	-1.50454	-0.99563	-1.54954	-0.99945	-1.54354
-1.53196	-1.01419	-1.48776	-0.99769	-1.53196	-1.01419	-1.52626
-1.51441	-1.01076	-1.47079	-0.9975	-1.51441	-1.01076	-1.50859
-1.49702	-0.99822	-1.45357	-0.99693	-1.49702	-0.99822	-1.49141
-1.48005	-0.98882	-1.43616	-0.99722	-1.48005	-0.98882	-1.47422
-1.46277	-0.98188	-1.4186	-0.99782	-1.46277	-0.98188	-1.45688
-1.44532	-0.98797	-1.40247	-0.99687	-1.44532	-0.98797	-1.43956
-1.42838	-0.9964	-1.38726	-0.99558	-1.42838	-0.9964	-1.42224

-1.41102	-0.99535	-1.37029	-0.99728	-1.41102	-0.99535	-1.40671
-1.39598	-1.01434	-1.35255	-0.99698	-1.39598	-1.01434	-1.39114
-1.38	-1.00918	-1.33449	-0.99644	-1.38	-1.00918	-1.37417
-1.3623	-0.99697	-1.31663	-0.99785	-1.3623	-0.99697	-1.35662
-1.34433	-1.01176	-1.29866	-0.99713	-1.34433	-1.01176	-1.33858
-1.32657	-1.00488	-1.28108	-0.99597	-1.32657	-1.00488	-1.32072
-1.30858	-0.99547	-1.26377	-0.99649	-1.30858	-0.99547	-1.30294
-1.29091	-1.00182	-1.24655	-0.99684	-1.29091	-1.00182	-1.28506
-1.27352	-0.99653	-1.22931	-0.99662	-1.27352	-0.99653	-1.26781
-1.25638	-0.99641	-1.21208	-0.99688	-1.25638	-0.99641	-1.25093
-1.23905	-1.00086	-1.19572	-0.99771	-1.23905	-1.00086	-1.23328
-1.22154	-1.00107	-1.17938	-0.99731	-1.22154	-1.00107	-1.21594
-1.20485	-0.9994	-1.16194	-0.99569	-1.20485	-0.9994	-1.20003
-1.18834	-0.99491	-1.14449	-0.99641	-1.18834	-0.99491	-1.18323
-1.1714	-1.00203	-1.12711	-0.99535	-1.1714	-1.00203	-1.16587
-1.15432	-1.01581	-1.10982	-0.99458	-1.15432	-1.01581	-1.14867
-1.13653	-0.99901	-1.09173	-0.99387	-1.13653	-0.99901	-1.13093
-1.11907	-0.97835	-1.07393	-0.99181	-1.11907	-0.97835	-1.1134
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-1.08374	-0.98678	-1.04037	-0.99167	-1.08374	-0.98678	-1.07794
-1.06662	-0.98328	-1.02329	-0.99203	-1.06662	-0.98328	-1.06097
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-1.03272	-0.96586	-0.99049	-0.99024	-1.03272	-0.96586	-1.02711
-1.01562	-0.97397	-0.97377	-0.98925	-1.01562	-0.97397	-1.01069
-0.99994	-0.98956	-0.95548	-0.98851	-0.99994	-0.98956	-0.99446
-0.98323	-0.98902	-0.93714	-0.98764	-0.98323	-0.98902	-0.9773
-0.96536	-0.99349	-0.92026	-0.98599	-0.96536	-0.99349	-0.95954
-0.94707	-0.99925	-0.90375	-0.98436	-0.94707	-0.99925	-0.94132
-0.9295	-0.99831	-0.88672	-0.98281	-0.9295	-0.99831	-0.92377
-0.91258	-0.99045	-0.86956	-0.9829	-0.91258	-0.99045	-0.90755
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-0.86203	-0.96865	-0.81784	-0.97805	-0.86203	-0.96865	-0.85652
-0.84471	-0.96612	-0.80103	-0.97605	-0.84471	-0.96612	-0.83911
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-0.63788	-0.96486	-0.59594	-0.93892	-0.63788	-0.96486	-0.63259
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-0.55362	-0.96472	-0.5094	-0.90794	-0.55362	-0.96472	-0.548
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-0.51926	-0.95732	-0.47464	-0.89196	-0.51926	-0.95732	-0.51334
-0.50167	-0.93388	-0.45735	-0.88148	-0.50167	-0.93388	-0.49572
-0.48407	-0.93081	-0.44032	-0.87262	-0.48407	-0.93081	-0.47852
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-0.40024	-0.92713	-0.35581	-0.80753	-0.40024	-0.92713	-0.39429
-0.38279	-0.91483	-0.33862	-0.7915	-0.38279	-0.91483	-0.37685
-0.36548	-0.92598	-0.32183	-0.7741	-0.36548	-0.92598	-0.35968
-0.34825	-0.91444	-0.30483	-0.75642	-0.34825	-0.91444	-0.34241
-0.33101	-0.9002	-0.28777	-0.73692	-0.33101	-0.9002	-0.32541
-0.31395	-0.89543	-0.27061	-0.71631	-0.31395	-0.89543	-0.30884
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-0.26231	-0.8618	-0.21751	-0.64663	-0.26231	-0.8618	-0.2564
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-0.15749	-0.78661	-0.11777	-0.46466	-0.15749	-0.78661	-0.15223
-0.14334	-0.7635	-0.10043	-0.42821	-0.14334	-0.7635	-0.13763
-0.12743	-0.73681	-0.08357	-0.38871	-0.12743	-0.73681	-0.12183
-0.10955	-0.71389	-0.06957	-0.34682	-0.10955	-0.71389	-0.10433
-0.09306	-0.69928	-0.05321	-0.30134	-0.09306	-0.69928	-0.08724
-0.07615	-0.66112	-0.0333	-0.25484	-0.07615	-0.66112	-0.07352
-0.06086	-0.60936	-0.01449	-0.20515	-0.06086	-0.60936	-0.05659
-0.04361	-0.57968	0.00428	-0.14972	-0.04361	-0.57968	-0.0369
-0.02421	-0.52505	0.02539	-0.0894	-0.02421	-0.52505	-0.01818
-0.00674	-0.44065	0.0447	-0.02654	-0.00674	-0.44065	5.60E-04
0.01215	-0.35026	0.06153	0.03517	0.01215	-0.35026	0.02173
0.03208	-0.25299	0.07846	0.09557	0.03208	-0.25299	0.04084
0.04964	-0.15218	0.0956	0.15352	0.04964	-0.15218	0.05732
0.06673	-0.05203	0.11321	0.20987	0.06673	-0.05203	0.07432
0.08418	0.03438	0.1309	0.26317	0.08418	0.03438	0.09195
0.10142	0.11555	0.14833	0.31322	0.10142	0.11555	0.10936
0.11905	0.19701	0.16482	0.36228	0.11905	0.19701	0.12651
0.13633	0.27812	0.18192	0.40668	0.13633	0.27812	0.14423
0.153	0.35643	0.19939	0.45022	0.153	0.35643	0.16126
0.17007	0.43364	0.21688	0.4927	0.17007	0.43364	0.17792
0.18738	0.5029	0.23484	0.53155	0.18738	0.5029	0.19492

0.20447	0.57038	0.25258	0.56969	0.20447	0.57038	0.21276
0.22256	0.63803	0.26952	0.6059	0.22256	0.63803	0.2307
0.24071	0.6876	0.28627	0.63958	0.24071	0.6876	0.24864
0.25778	0.74417	0.30374	0.67049	0.25778	0.74417	0.26551
0.27479	0.79092	0.32151	0.69967	0.27479	0.79092	0.28255
0.29189	0.82554	0.33919	0.72627	0.29189	0.82554	0.29976
0.30952	0.85429	0.35647	0.75103	0.30952	0.85429	0.3175
0.3272	0.86638	0.3733	0.77531	0.3272	0.86638	0.33506
0.34417	0.88845	0.3903	0.79632	0.34417	0.88845	0.35205
0.36154	0.90443	0.40701	0.81474	0.36154	0.90443	0.36949
0.3787	0.89826	0.42339	0.8323	0.3787	0.89826	0.38631
0.39567	0.9068	0.44015	0.84782	0.39567	0.9068	0.40317
0.41207	0.9202	0.45691	0.86317	0.41207	0.9202	0.41941
0.42816	0.92144	0.4752	0.87649	0.42816	0.92144	0.43602
0.44501	0.94106	0.49361	0.88888	0.44501	0.94106	0.45283
0.46278	0.94755	0.51071	0.90058	0.46278	0.94755	0.47089
0.48131	0.92596	0.52761	0.90989	0.48131	0.92596	0.48965
0.49902	0.91998	0.54466	0.91851	0.49902	0.91998	0.50698
0.51582	0.9345	0.56221	0.92807	0.51582	0.9345	0.52346
0.53289	0.93912	0.57938	0.93663	0.53289	0.93912	0.54086
0.55028	0.9388	0.59633	0.94267	0.55028	0.9388	0.55832
0.56738	0.94184	0.61343	0.9495	0.56738	0.94184	0.57503
0.5846	0.93813	0.62976	0.95548	0.5846	0.93813	0.59253
0.60184	0.94661	0.64644	0.95969	0.60184	0.94661	0.60949
0.61835	0.96266	0.66368	0.9649	0.61835	0.96266	0.62557
0.63476	0.96514	0.68122	0.96978	0.63476	0.96514	0.64235
0.6515	0.95449	0.69913	0.97332	0.6515	0.95449	0.65998
0.66917	0.95498	0.71617	0.97688	0.66917	0.95498	0.67753
0.68715	0.96964	0.73286	0.98077	0.68715	0.96964	0.69524
0.70427	0.9651	0.7494	0.98355	0.70427	0.9651	0.71229
0.72109	0.95741	0.76669	0.98557	0.72109	0.95741	0.72853
0.73756	0.97146	0.78398	0.9889	0.73756	0.97146	0.74524
0.75428	0.97287	0.80112	0.99169	0.75428	0.97287	0.76261
0.772	0.97139	0.81849	0.99292	0.772	0.97139	0.77982
0.78952	0.97478	0.83606	0.99404	0.78952	0.97478	0.79689
0.80648	0.96768	0.85317	0.99535	0.80648	0.96768	0.81437
0.8241	0.97196	0.87009	0.99751	0.8241	0.97196	0.83163
0.84134	0.98554	0.88684	1.00141	0.84134	0.98554	0.84889
0.85826	0.97573	0.90391	1.00369	0.85826	0.97573	0.86613
0.87518	0.95973	0.92129	1.00409	0.87518	0.95973	0.88322
0.89222	0.9705	0.93887	1.00387	0.89222	0.9705	0.89985
0.9095	0.98685	0.95596	1.00452	0.9095	0.98685	0.91713
0.92707	0.99017	0.97291	1.00558	0.92707	0.99017	0.93486
0.94456	0.98484	0.98977	1.00588	0.94456	0.98484	0.952
0.96114	0.97499	1.17165	1.00649	0.96114	0.97499	0.96902
0.97798	0.98304	1.18927	1.01234	0.97798	0.98304	0.98589
0.99521	1.00814	1.20677	1.01251	0.99521	1.00814	1.00262

1.01235	1.00353	1.22321	1.01134	1.01235	1.00353	1.02023
1.02976	0.98883	1.23991	1.01288	1.02976	0.98883	1.03757
1.04699	0.98845	1.25703	1.01334	1.04699	0.98845	1.05452
1.06431	0.99608	1.27464	1.014	1.06431	0.99608	1.07206
1.08147	1.00002	1.29207	1.016	1.08147	1.00002	1.08921
1.09854	0.99505	1.30932	1.01506	1.09854	0.99505	1.10609
1.11563	0.98577	1.32521	1.01474	1.11563	0.98577	1.12339
1.13317	0.98864	1.34155	1.01436	1.13317	0.98864	1.14113
1.15086	0.99758	1.35819	1.01412	1.15086	0.99758	1.15875
1.16804	0.99651	1.37427	1.01594	1.16804	0.99651	1.17659
1.18578	1.00227	1.39072	1.01628	1.18578	1.00227	1.19415
1.20364	1.00926	1.4086	1.01529	1.20364	1.00926	1.21088
1.21976	1.00998	1.42767	1.01633	1.21976	1.00998	1.22755
1.23641	0.99121	1.44563	1.01539	1.23641	0.99121	1.24445
1.25365	0.98488	1.4633	1.01423	1.25365	0.98488	1.26153
1.27124	0.99297	1.48062	1.01433	1.27124	0.99297	1.27921
1.28861	0.991	1.49751	1.01388	1.28861	0.991	1.29677
1.30597	0.99068	1.51476	1.01364	1.30597	0.99068	1.31306
1.32195	0.99096	1.53296	1.01214	1.32195	0.99096	1.32916
1.33808	1.00108	1.55161	1.01206	1.33808	1.00108	1.34566
1.35461	0.99833	1.56996	1.01359	1.35461	0.99833	1.36199
1.37108	0.99821	1.58846	1.01293	1.37108	0.99821	1.37858
1.38757	0.99476	1.60658	1.01237	1.38757	0.99476	1.39488
1.4058	0.98124	1.6198	1.01284	1.4058	0.98124	1.41372
1.42488	0.99365	1.63509	1.01192	1.42488	0.99365	1.43321
1.44244	0.99324	1.65281	1.01144	1.44244	0.99324	1.45063
1.45985	0.99239	1.67077	1.01053	1.45985	0.99239	1.46762
1.47729	0.99304	1.68896	1.00985	1.47729	0.99304	1.48502
1.49425	0.99031	1.70639	1.01023	1.49425	0.99031	1.50204
1.51125	0.99961	1.72149	1.0124	1.51125	0.99961	1.5198
1.52931	0.99758	1.73738	1.01459	1.52931	0.99758	1.53797
1.54764	0.99778	1.75394	1.01318	1.54764	0.99778	1.55614
1.56632	1.0066	1.77041	1.01225	1.56632	1.0066	1.57494
1.58494	1.01061	1.78727	1.01174	1.58494	1.01061	1.5935
1.60291	1.00796	1.80417	1.01101	1.60291	1.00796	1.6085
1.61682	1.01063	1.82306	1.01093	1.61682	1.01063	1.62319
1.63155	1.0036	1.842	1.01067	1.63155	1.0036	1.63994
1.64947	1.00562	1.85947	1.01204	1.64947	1.00562	1.65745
1.66729	0.99634	1.87704	1.01054	1.66729	0.99634	1.67536
1.6849	0.98787	1.89457	1.00857	1.6849	0.98787	1.69363
1.70292	1.00068	1.91014	1.00788	1.70292	1.00068	1.71085
1.71838	1.00441	1.92678	1.00734	1.71838	1.00441	1.72616
1.73378	1.00995	1.9447	1.00727	1.73378	1.00995	1.74164
1.7507	1.00649	1.96198	1.00647	1.7507	1.00649	1.75792
1.76721	1.00947	1.97979	1.00655	1.76721	1.00947	1.77473
1.7839	1.00655	1.99739	1.00718	1.7839	1.00655	1.79151
1.80153	1.00006	2.01028	1.00736	1.80153	1.00006	1.80985

1.82028	1.00107	2.0151	1.00731	1.82028	1.00107	1.82902
1.83873	1.00212	2.01643	1.00623	1.83873	1.00212	1.84699
1.85621	1.00902	2.0168	1.00677	1.85621	1.00902	1.86444
1.87345	1.00358	2.01692	1.00685	1.87345	1.00358	1.88209
1.89133	0.99868	2.01697	1.00656	1.89133	0.99868	1.89942
1.90731	0.99782	2.017	1.00655	1.90731	0.99782	1.91486
1.9232	0.98739	2.01698	1.00486	1.9232	0.98739	1.93155
1.94103	0.99191	2.017	1.00389	1.94103	0.99191	1.94922
1.95865	1.01208	2.01436	1.00272	1.95865	1.01208	1.96657
1.97645	1.01157 --	--	--	1.97645	1.01157	1.98445
1.99427	1.0001 --	--	--	1.99427	1.0001	2.00029
2.00589	0.99063 --	--	--	2.00589	0.99063	2.00801
2.0105	0.98138 --	--	--	2.0105	0.98138	2.01023
2.01167	0.99184 --	--	--	2.01167	0.99184	2.01083
2.01201	0.99572 --	--	--	2.01201	0.99572	2.01104
2.01211	0.99313 --	--	--	2.01211	0.99313	2.01108
2.01215	0.99628 --	--	--	2.01215	0.99628	2.01113
2.01217	1.00762 --	--	--	2.01217	1.00762	2.01118
2.01216	1.01229 --	--	--	2.01216	1.01229	2.01118
2.01167	0.99184 --	--	--	2.01167	0.99184	
2.01201	0.99572 --	--	--	2.01201	0.99572	
2.01211	0.99313 --	--	--	2.01211	0.99313	
2.01215	0.99628 --	--	--	2.01215	0.99628	
2.01217	1.00762 --	--	--	2.01217	1.00762	
2.01216	1.01229 --	--	--	2.01216	1.01229	
2.01215	0.99332 --	--	--	2.01215	0.99332	

T10K-PA	moH	T20K-PA	moH	T40K-PA	moH	T50K-PA
0.9965	2.01201	1.00464	2.01237	0.9949	2.00999	0.99819
1.00221	2.01202	1.01351	2.01235	1.00304	2.00997	0.993
1.00894	2.01206	1.0084	2.01232	1.01311	2.00997	1.0046
1.00864	2.01079	1.01525	2.01236	1.00525	2.00918	1.00502
1.00302	2.00212	1.00482	2.0123	0.9966	2.00163	1.00527
0.99216	1.98723	1.00234	2.00826	0.98858	1.98693	1.00797
0.99362	1.96995	0.99955	1.99593	0.99409	1.97003	1.00105
0.99123	1.95292	0.98938	1.9794	1.00312	1.95297	0.99027
0.98798	1.93558	0.99587	1.9623	0.99829	1.93577	0.99476
0.99504	1.9185	0.99438	1.94491	0.9956	1.91843	1.00542
1.00037	1.9028	0.99656	1.92743	0.99988	1.90293	1.00968
1.00802	1.88665	0.99911	1.91232	1.00909	1.88667	1.00288
1.00933	1.869	0.99068	1.8964	0.99848	1.8692	0.98961
1.00294	1.85167	0.98553	1.87855	0.99995	1.85171	0.99228
0.99313	1.83408	0.99739	1.86134	1.01556	1.83431	1.00921
0.99383	1.81496	0.99744	1.84373	1.00087	1.81523	0.99677
0.98595	1.79643	0.97974	1.82606	0.97663	1.79652	0.97206
0.98253	1.77948	0.98711	1.80725	0.97015	1.7796	0.98172
0.98379	1.76309	0.99672	1.7891	0.97961	1.76289	0.99311
0.98714	1.74654	0.99865	1.77205	0.97613	1.74631	0.996
0.99223	1.72978	1.00462	1.75552	0.97683	1.72963	0.98604
0.99955	1.71477	1.00681	1.73897	0.98854	1.71474	0.99067
1.00282	1.6988	0.99739	1.724	1.00309	1.69894	0.99934
0.99211	1.68083	1.00042	1.70816	1.00908	1.68087	0.99027
0.99543	1.66289	0.98918	1.69081	0.99924	1.66293	0.98379
1.0034	1.64502	0.98614	1.67264	0.98911	1.64494	0.98154
0.99854	1.62733	0.99932	1.65458	0.98893	1.62692	0.99429
0.99377	1.61381	0.99258	1.63697	0.99843	1.6135	1.00458
0.99943	1.59858	0.9892	1.62073	0.9944	1.59883	1.00125
1.00822	1.58029	1.00522	1.60647	0.99451	1.58031	0.99711
1.01059	1.5617	1.00371	1.59052	1.0066	1.5619	0.99171
1.00278	1.54311	0.9994	1.57189	1.01467	1.54334	0.98466
0.99877	1.52448	0.99996	1.55347	1.00226	1.5246	0.99153
0.99704	1.50681	1.00443	1.53485	0.98312	1.50694	0.9996
0.989	1.48992	1.00717	1.51671	0.99244	1.49006	0.99554
0.984	1.47264	1.00915	1.49934	0.9969	1.47275	0.99574
0.98693	1.45558	1.00523	1.48219	0.98853	1.45555	0.99835
0.98886	1.43826	1.00457	1.46495	0.99337	1.43846	1.01011
0.98793	1.4196	1.00371	1.44777	1.00784	1.41987	1.00813
0.99894	1.4004	0.99752	1.4303	1.00129	1.40059	0.98614
0.99862	1.38317	1.00548	1.41041	0.98891	1.38304	0.98847
0.99436	1.36674	1.00708	1.39202	0.99447	1.36674	0.99033
0.98678	1.35037	1.01477	1.37575	0.99034	1.35028	0.97592
0.98162	1.33381	1.01534	1.3594	0.98867	1.33393	0.97552
0.99656	1.31824	1.01234	1.34305	0.99614	1.31813	0.99412
1.0049	1.30185	1.00859	1.32662	0.99794	1.30169	1.01312

1.00364	1.28447	1.00287	1.31091	1.00442	1.28435	1
0.99367	1.26695	0.99315	1.29409	1.0114	1.26708	0.99526
0.98626	1.24954	0.99017	1.27653	1.00714	1.24937	0.99906
0.99349	1.23205	0.98701	1.25895	0.98227	1.23184	0.99516
1.0012	1.21583	0.98486	1.24157	0.97926	1.21583	1.00007
1.0043	1.19909	0.99242	1.22521	0.99963	1.19921	1.00207
1.01374	1.18167	1.00283	1.20885	1.0011	1.18171	1.00742
1.0105	1.16361	1	1.19126	0.9991	1.16381	1.00204
1.00647	1.14583	0.98668	1.1734	1.00177	1.14598	0.99598
1.00197	1.12825	0.98544	1.15554	1.00975	1.12838	0.99792
0.99051	1.11086	1.00362	1.13814	0.99706	1.11095	1.00863
0.99176	1.09364	1.00774	1.12067	0.98988	1.0936	0.99604
0.99208	1.07662	0.98903	1.10336	1.00173	1.07662	0.98882
0.99387	1.05924	0.98851	1.08604	0.99744	1.05938	0.99937
0.99567	1.04173	0.99297	1.06892	0.9917	1.04187	0.99925
0.99468	1.02464	1.00558	1.05155	0.98422	1.02474	1.00542
1.00412	1.00759	1.00263	1.03439	0.98305	1.00727	1.00351
0.99555	0.99028	0.99111	1.01696	0.98882	0.99015	1.00008
0.97482	0.97343	0.99178	0.99966	0.9987	0.97311	0.99966
0.97776	0.95658	0.99299	0.98256	0.98968	0.95622	0.99831
0.99539	0.9392	0.9977	0.96591	0.98355	0.93946	0.99633
1.001	0.92167	0.9925	0.94911	0.99415	0.92187	0.99517
0.98648	0.90448	0.99062	0.93197	0.99561	0.90433	0.9951
0.98023	0.88738	0.99257	0.9138	0.99178	0.88723	0.99635
0.97798	0.87036	0.9926	0.89656	0.98032	0.87034	0.99275
0.991	0.85312	0.99301	0.88008	0.98005	0.85324	0.99591
1.00181	0.83614	0.98364	0.86274	0.99112	0.83638	1.0046
0.99745	0.81859	0.98619	0.84571	0.98782	0.81888	0.99966
1.00073	0.80133	0.9846	0.82862	0.99022	0.80144	0.98797
1.0054	0.78444	0.98097	0.81111	0.97984	0.78447	0.98557
0.99202	0.76673	0.98766	0.79398	0.97481	0.76683	0.99673
0.98146	0.74918	0.99662	0.77692	0.98963	0.74927	1.00986
0.97186	0.73268	0.99596	0.75928	0.99711	0.73269	1.00665
0.96978	0.71622	0.98097	0.74212	0.9952	0.71614	0.9974
0.97224	0.69935	0.98942	0.72556	0.98303	0.69914	0.99
0.95589	0.68192	0.99294	0.70892	0.97939	0.68205	0.98967
0.969	0.66383	0.98654	0.69175	0.9844	0.66375	0.98628
0.98726	0.64623	0.9868	0.67354	0.99109	0.64623	0.97058
0.98032	0.62945	0.98602	0.65549	0.98708	0.62964	0.96202
0.97969	0.6132	0.99805	0.63848	0.97602	0.61326	0.96087
0.97619	0.5964	0.99393	0.62239	0.97861	0.59665	0.97866
0.96981	0.57872	0.9851	0.6058	0.97633	0.57894	0.97471
0.96429	0.5618	0.99526	0.5887	0.96035	0.56205	0.95996
0.95716	0.54465	0.99242	0.57169	0.95427	0.54494	0.95698
0.96422	0.52732	0.9677	0.55456	0.95478	0.52738	0.95462
0.96536	0.51051	0.96463	0.53677	0.95548	0.51057	0.97443
0.96581	0.49337	0.96635	0.51988	0.95571	0.49366	0.97914



0.96568	0.47532	0.96083	0.50294	0.96368	0.47558	0.96266
0.96185	0.45717	0.95421	0.48544	0.95546	0.45716	0.95569
0.95441	0.43959	0.94715	0.4667	0.95009	0.43953	0.95146
0.95168	0.42264	0.94591	0.44886	0.95588	0.42284	0.94125
0.94938	0.40575	0.94766	0.43204	0.94773	0.4058	0.9468
0.93938	0.38933	0.94057	0.41514	0.9689	0.38898	0.94915
0.94012	0.37237	0.93955	0.39861	0.95994	0.37207	0.93887
0.93397	0.35565	0.95467	0.38182	0.92963	0.35504	0.92928
0.91694	0.33844	0.93689	0.36473	0.94099	0.33791	0.91209
0.90881	0.32075	0.91861	0.34784	0.94342	0.32043	0.91343
0.90869	0.3034	0.9112	0.33047	0.93371	0.30284	0.91445
0.89133	0.28589	0.9004	0.31274	0.92242	0.28552	0.89267
0.87954	0.26905	0.87822	0.2951	0.90171	0.26834	0.8912
0.87345	0.25199	0.86324	0.27786	0.88113	0.25151	0.89312
0.8688	0.23431	0.86613	0.26111	0.87228	0.23413	0.87731
0.85926	0.21632	0.8641	0.24402	0.88164	0.21637	0.86551
0.84342	0.19881	0.86714	0.226	0.87366	0.19855	0.84728
0.82952	0.18136	0.84854	0.20813	0.85599	0.18097	0.81915
0.8108	0.16413	0.80744	0.19069	0.84229	0.1637	0.79943
0.78682	0.14689	0.78909	0.17332	0.82361	0.1467	0.77716
0.77048	0.12928	0.77418	0.15626	0.80296	0.12909	0.74306
0.73686	0.11139	0.74088	0.13892	0.77095	0.11113	0.72129
0.69969	0.09362	0.69398	0.12124	0.74467	0.09347	0.69479
0.65714	0.07579	0.65275	0.10322	0.71709	0.07575	0.64079
0.60685	0.05826	0.61949	0.08552	0.6793	0.05798	0.58803
0.55833	0.04129	0.57257	0.06767	0.62483	0.0412	0.5362
0.49198	0.02508	0.50056	0.0504	0.56593	0.02468	0.47077
0.4169	0.005	0.4192	0.03367	0.50938	0.00475	0.3763
0.32907	-0.01511	0.32878	0.01436	0.43083	-0.01559	0.27087
0.22722	-0.0337	0.20264	-0.0052	0.35185	-0.03408	0.16646
0.13412	-0.0533	0.11124	-0.02337	0.25336	-0.05361	0.05912
0.04488	-0.06839	0.02712	-0.04265	0.13679	-0.06949	-0.04738
-0.04981	-0.08335	-0.08194	-0.06208	0.02436	-0.08471	-0.14576
-0.12536	-0.10012	-0.17737	-0.07704	-0.07895	-0.10067	-0.24276
-0.19178	-0.11694	-0.259	-0.09124	-0.16398	-0.11741	-0.32883
-0.28077	-0.13419	-0.34497	-0.10778	-0.25321	-0.13468	-0.39562
-0.36226	-0.15199	-0.43048	-0.12463	-0.33143	-0.15258	-0.48326
-0.42247	-0.1657	-0.48958	-0.14211	-0.41733	-0.16737	-0.56943
-0.49693	-0.18141	-0.54207	-0.15664	-0.48931	-0.18251	-0.62463
-0.56169	-0.19864	-0.61363	-0.17211	-0.55587	-0.1996	-0.6815
-0.62749	-0.21584	-0.68244	-0.18937	-0.62802	-0.21673	-0.74907
-0.70503	-0.23334	-0.72498	-0.20645	-0.67285	-0.23405	-0.81485
-0.75613	-0.25089	-0.7815	-0.22362	-0.73042	-0.25174	-0.86085
-0.7972	-0.26816	-0.84301	-0.2413	-0.79362	-0.26933	-0.88949
-0.83568	-0.28572	-0.86687	-0.25883	-0.8347	-0.28684	-0.91937
-0.86853	-0.30285	-0.8863	-0.27643	-0.87023	-0.30381	-0.93567
-0.8981	-0.31987	-0.91018	-0.29384	-0.8935	-0.32037	-0.94829

-0.9182	-0.33704	-0.92712	-0.31077	-0.9021	-0.33764	-0.9501
-0.92707	-0.35415	-0.95791	-0.3276	-0.92046	-0.35473	-0.95926
-0.93253	-0.37145	-0.95583	-0.34463	-0.92244	-0.37196	-0.97491
-0.93782	-0.38854	-0.93883	-0.36185	-0.92833	-0.38944	-0.96958
-0.95604	-0.40572	-0.95139	-0.37927	-0.95384	-0.40646	-0.96436
-0.96673	-0.42317	-0.96664	-0.3963	-0.95617	-0.42396	-0.97546
-0.96304	-0.4403	-0.96801	-0.4137	-0.9506	-0.44085	-0.99597
-0.94935	-0.45759	-0.97485	-0.43094	-0.9505	-0.4582	-1.01194
-0.95772	-0.47357	-0.97335	-0.44801	-0.95717	-0.47474	-0.99803
-0.99143	-0.48984	-0.96461	-0.46413	-0.96435	-0.49112	-0.98921
-0.99875	-0.50753	-0.96904	-0.48072	-0.96915	-0.50857	-0.99522
-0.98723	-0.52496	-0.96802	-0.49772	-0.97207	-0.52616	-0.99926
-0.98395	-0.54186	-0.96914	-0.51556	-0.97711	-0.54317	-1.01841
-1.00368	-0.55927	-0.97584	-0.53305	-0.97578	-0.56052	-1.01623
-1.0099	-0.57694	-0.9871	-0.55019	-0.97446	-0.57831	-1.01651
-0.99665	-0.59446	-0.99905	-0.56756	-0.98131	-0.59552	-1.02974
-1.00764	-0.6103	-0.99332	-0.5854	-0.98881	-0.61154	-1.02048
-1.02126	-0.62642	-0.98955	-0.60211	-0.97741	-0.62787	-1.01585
-1.00746	-0.64321	-0.99252	-0.61791	-0.95818	-0.64451	-1.01895
-0.9895	-0.66078	-0.99803	-0.63469	-0.97218	-0.66191	-1.01111
-0.99058	-0.67822	-0.99835	-0.65206	-0.97571	-0.67928	-1.02239
-1.00131	-0.69529	-0.9949	-0.6691	-0.97272	-0.69636	-1.04028
-0.99964	-0.7131	-0.98369	-0.68613	-0.97859	-0.71404	-1.02791
-0.99682	-0.7306	-0.97733	-0.70395	-0.97653	-0.73176	-1.02788
-1.01247	-0.74729	-0.98446	-0.72151	-0.97393	-0.74849	-1.0383
-1.0133	-0.76434	-0.98992	-0.7389	-0.97895	-0.76557	-1.0377
-1.00489	-0.78172	-0.99435	-0.75542	-0.98862	-0.78267	-1.02606
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-1.01343	-0.84981	-1.00963	-0.82356	-0.98583	-0.85116	-1.02244
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-1.00342	-0.88458	-1.00404	-0.85821	-1.00359	-0.88567	-1.02427
-1.01001	-0.9009	-0.99507	-0.87541	-1.00046	-0.90255	-1.02177
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-1.00081	-0.93467	-1.00393	-0.90923	-1.00138	-0.93586	-1.02184
-0.99518	-0.95245	-0.99447	-0.92576	-0.9981	-0.95372	-1.03208
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-1.01015	-0.98836	-1.00795	-0.96132	-1.0017	-0.98983	-1.01799
-1.01192	-1.00406	-1.00485	-0.9795	-0.99145	-1.00595	-1.02723
-1.00672	-1.02064	-0.99852	-0.99629	-0.99517	-1.02199	-1.02329
-1.01465	-1.03791	-0.98205	-1.0125	-0.9986	-1.03917	-1.02302
-1.00608	-1.05449	-0.98486	-1.02905	-0.99496	-1.0559	-1.03786
-1.01007	-1.07155	-1.00793	-1.04598	-0.99503	-1.07291	-1.03037
-1.00844	-1.08857	-1.01078	-1.06287	-1.00575	-1.08962	-1.01851
-0.99755	-1.10615	-1.0027	-1.07992	-1.01732	-1.10758	-1.02653
-1.02044	-1.12425	-1.00437	-1.09755	-0.99361	-1.12539	-1.02552

-1.02815	-1.14176	-1.01373	-1.11527	-0.98612	-1.14266	-1.02346
-1.02636	-1.15917	-1.00364	-1.13273	-0.99245	-1.15995	-1.01954
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-1.02602	-1.53661	-1.0001	-1.50993	-1.00557	-1.53804	-1.02222
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-1.02578	-1.63733	-0.99103	-1.6125	-0.98545	-1.63876	-0.999
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-1.02162	-1.79185	-0.99788	-1.76524	-0.99843	-1.79238	-1.00994
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-1.01264	-1.82759	-1.00255	-1.80073	-0.99249	-1.82905	-1.01564
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-1.0016	-1.8796	-0.99828	-1.85397	-0.99588	-1.88112	-1.01148
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-0.99933	-1.52444	-0.97893	-1.53822	-0.96476	-1.51018	-0.9675
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-0.98945	-1.49025	-0.96603	-1.50285	-0.96041	-1.47598	-0.97696
-0.97539	-1.47321	-0.97941	-1.48626	-0.96668	-1.45856	-0.96367
-0.97355	-1.45586	-0.99116	-1.46913	-0.95588	-1.44128	-0.95727
-0.9764	-1.43857	-0.98622	-1.45181	-0.95877	-1.42402	-0.96718

-0.97787	-1.42092	-0.97465	-1.43444	-0.97686	-1.40852	-0.97648
-0.97795	-1.40537	-0.98403	-1.41717	-0.96567	-1.3929	-0.98754
-0.98363	-1.38973	-0.9898	-1.40204	-0.95891	-1.37565	-0.98467
-0.98421	-1.37252	-0.97783	-1.38638	-0.96328	-1.35774	-0.97873
-0.99706	-1.35505	-0.98143	-1.36861	-0.97003	-1.33993	-0.98779
-0.99707	-1.33716	-0.98306	-1.35052	-0.97511	-1.32198	-0.98441
-0.97654	-1.31901	-0.98062	-1.33279	-0.97209	-1.3041	-0.97779
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-0.99257	-1.24931	-0.97133	-1.26223	-0.95494	-1.23506	-0.9749
-0.98431	-1.23203	-0.96821	-1.24545	-0.96086	-1.21754	-0.97527
-0.99338	-1.2144	-0.96495	-1.22794	-0.95838	-1.20123	-0.97673
-0.9915	-1.19824	-0.97091	-1.21097	-0.96496	-1.18466	-0.98048
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-1.00625	-1.16453	-0.97478	-1.17775	-0.95539	-1.14973	-0.99105
-0.99194	-1.14715	-0.97121	-1.16034	-0.95581	-1.13241	-0.99045
-0.98711	-1.12975	-0.97186	-1.14296	-0.9631	-1.11494	-0.9775
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-0.99152	-0.88942	-0.98261	-0.90212	-0.97104	-0.87499	-0.97351
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-0.8482	-0.22008	-0.86544	-0.23296	-0.87355	-0.20551	-0.8479
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-0.80475	-0.16831	-0.81969	-0.18141	-0.8198	-0.153	-0.81159
-0.77949	-0.15035	-0.80936	-0.16356	-0.79228	-0.13794	-0.78471
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-0.66976	-0.08581	-0.71965	-0.09878	-0.67509	-0.07424	-0.6463
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0.08554	0.07473	0.01542	0.06087	-0.02892	0.08842	0.15115
0.17461	0.09211	0.12272	0.07797	0.07539	0.10595	0.24881
0.24987	0.10961	0.21326	0.09539	0.19149	0.12346	0.30959
0.33332	0.12696	0.2943	0.11277	0.26895	0.14069	0.39358
0.41237	0.14412	0.37386	0.13027	0.32704	0.15748	0.50458
0.49332	0.1611	0.45385	0.14759	0.40997	0.1746	0.58278
0.56861	0.17794	0.5393	0.16448	0.5033	0.19179	0.641

0.63342	0.19508	0.60381	0.18162	0.58295	0.20947	0.71078
0.69139	0.21293	0.65984	0.19859	0.6433	0.22741	0.76019
0.75622	0.23084	0.72347	0.21659	0.71252	0.24545	0.80903
0.80784	0.24891	0.79649	0.23439	0.77882	0.26227	0.86976
0.84814	0.26577	0.84825	0.25207	0.82149	0.27917	0.91299
0.87995	0.28243	0.86695	0.26894	0.85182	0.29642	0.92632
0.90556	0.29964	0.88513	0.286	0.88296	0.31405	0.93645
0.92516	0.31755	0.91135	0.30334	0.90674	0.3316	0.95137
0.93691	0.335	0.93572	0.32101	0.92892	0.34882	0.96691
0.95009	0.35251	0.9384	0.33859	0.93783	0.3659	0.95907
0.95097	0.36963	0.94747	0.35594	0.93469	0.38266	0.95236
0.94613	0.38653	0.97714	0.37291	0.9516	0.39974	0.95697
0.95196	0.40325	0.97818	0.38976	0.96518	0.41653	0.9643
0.95289	0.41961	0.9756	0.40609	0.96663	0.43299	0.97904
0.95228	0.43599	0.97244	0.42246	0.96893	0.44966	0.97996
0.97485	0.45302	0.97538	0.4394	0.97466	0.46792	0.99536
0.99342	0.47127	0.99951	0.45649	0.97486	0.48643	0.9938
0.99368	0.48969	1.00022	0.47486	0.97638	0.50399	0.98427
0.9818	0.50704	0.98594	0.49315	0.98605	0.5206	0.98337
0.99216	0.52351	0.98713	0.51017	0.99167	0.53773	0.98045
0.99532	0.54077	1.00417	0.52735	0.99714	0.55519	0.98723
0.98363	0.5582	1.01457	0.5447	1.00046	0.57212	0.99382
0.98928	0.57538	1.01003	0.56155	0.99552	0.58918	1.00548
0.98498	0.59254	1.00498	0.57883	0.99369	0.60631	1.01639
0.97982	0.60946	1.00977	0.59618	0.9988	0.6227	1.011
0.99008	0.62606	1.02006	0.61266	0.99774	0.63923	1.00711
0.99785	0.64243	1.02031	0.62934	1.00525	0.6564	1.007
0.99347	0.65984	1.01871	0.64597	1.02007	0.6745	0.99577
0.99471	0.67767	1.00837	0.66329	1.02153	0.69213	1.00596
1.00062	0.69535	1.00383	0.68122	1.01583	0.70909	1.01978
1.00481	0.71231	1.01482	0.69908	1.00949	0.72566	1.00327
1.01803	0.72896	1.00928	0.71581	1.0151	0.7424	0.99299
1.02767	0.74532	1.0154	0.7321	1.028	0.7596	0.99812
1.019	0.7627	1.0297	0.74861	1.03147	0.77709	1.00738
1.00438	0.78021	1.0109	0.76641	1.02519	0.79417	1.01027
1.00701	0.79697	1.00007	0.78387	1.02598	0.81145	1.01061
1.00977	0.81462	1.01297	0.8008	1.02689	0.82866	1.01076
0.99325	0.83203	1.011	0.81826	1.02086	0.84586	1.01667
0.99103	0.84908	1.01604	0.83547	1.01465	0.8631	1.01737
1.00644	0.8662	1.01747	0.85276	1.01078	0.88016	1.00795
1.00979	0.88314	1.01454	0.86981	1.0125	0.89701	1.01988
0.9998	0.89973	1.01928	0.88683	1.00814	0.91433	1.01724
1.0039	0.91741	1.01314	0.90354	1.01514	0.93176	1.00631
1.01866	0.93534	1.0197	0.92124	1.03147	0.94906	1.00954
1.00976	0.95227	1.01785	0.93881	1.01448	0.96584	1.0216
0.99955	0.96916	1.01537	0.95602	1.00292	0.9828	1.0244
1.00069	0.98614	1.02548	0.97293	1.01578	0.99997	1.01141

1.0051	1.00287	1.04005	0.98965	1.02298	1.01705	1.00887
1.014	1.02023	1.03876	1.00692	1.02229	1.03437	1.01108
1.01901	1.03753	1.03177	1.02424	1.0196	1.05185	1.01192
1.01656	1.05485	1.03082	1.0412	1.02667	1.06915	1.01698
1.01496	1.07208	1.02827	1.05861	1.0292	1.08633	1.00701
1.01555	1.08897	1.04724	1.07593	1.02031	1.10325	1.00161
1.02207	1.10617	1.03862	1.09266	1.01338	1.12049	1.00539
1.02298	1.12363	1.02817	1.10977	1.00484	1.13822	1.01509
1.0325	1.14134	1.03888	1.12717	1.02014	1.15596	1.02452
1.04071	1.15895	1.03577	1.14502	1.02447	1.17338	1.0194
1.03076	1.17659	1.03822	1.16258	1.01461	1.191	1.02259
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1.0346	1.21101	1.02292	1.19782	1.01806	1.22461	1.02403
1.02089	1.22748	1.0315	1.21457	1.02519	1.24117	1.01203
1.01503	1.24444	1.02856	1.23101	1.0233	1.25867	0.99949
1.01819	1.26181	1.02079	1.24816	1.02048	1.27644	0.99944
1.03538	1.27936	1.03967	1.26546	1.02254	1.29385	1.0018
1.038	1.29697	1.03161	1.28316	1.01817	1.31021	0.99858
1.02617	1.31293	1.02198	1.30096	1.02312	1.32654	0.99662
1.02163	1.32925	1.02867	1.31661	1.03576	1.34285	0.99852
1.02125	1.34591	1.03083	1.33288	1.02577	1.35921	1.00023
1.01496	1.36241	1.03031	1.34938	1.021	1.37566	1.00325
1.00356	1.37874	1.02331	1.36579	1.03197	1.39176	0.98949
1.01131	1.3951	1.01869	1.38208	1.01298	1.4109	0.98664
1.02	1.41405	1.02676	1.39898	1.00905	1.43022	1.00081
1.02777	1.43315	1.03119	1.41851	1.03759	1.4476	1.00213
1.0296	1.45079	1.02797	1.43707	1.05246	1.46477	1.00613
1.01807	1.46803	1.03356	1.45425	1.03656	1.48205	1.00999
1.01369	1.48502	1.03468	1.47176	1.03355	1.49917	1.00829
1.02226	1.50232	1.01979	1.48879	1.04136	1.51674	1.00107
1.03631	1.51977	1.02058	1.50585	1.03506	1.53514	0.99761
1.04836	1.53798	1.03962	1.52357	1.03046	1.55356	1.00085
1.04438	1.55638	1.04881	1.5421	1.02989	1.57172	1.00645
1.03101	1.5748	1.04237	1.56053	1.03579	1.59032	1.00156
1.02684	1.59361	1.03914	1.57902	1.03105	1.60597	0.9997
1.03062	1.60917	1.04826	1.59748	1.02844	1.62041	1.00633
1.02532	1.62319	1.03897	1.61142	1.01814	1.63672	1.01557
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1.03471	1.67574	1.02387	1.66155	1.02234	1.69053	1.00494
1.04021	1.6935	1.03499	1.67933	1.03259	1.7081	1.00167
1.0344	1.71099	1.03153	1.69722	1.03867	1.7235	0.99807
1.02534	1.72615	1.02537	1.71378	1.04079	1.7388	0.99138
1.01696	1.7417	1.01849	1.72903	1.04295	1.75504	1.0008
1.01176	1.75856	1.0044	1.74509	1.02958	1.77176	0.99487
1.01304	1.77512	1.00626	1.76166	1.02118	1.78832	0.98809
1.01043	1.79188	1.01116	1.77834	1.02	1.80688	0.99411



1.01424	1.81013	1.03212	1.79507	1.02222	1.82558	0.99935
1.02437	1.82861	1.03681	1.814	1.02668	1.84349	1.00896
1.01508	1.84662	1.03198	1.83289	1.03361	1.86097	1.00641
1.01037	1.86415	1.03628	1.85064	1.04003	1.8787	0.99918
1.01827	1.8818	1.02248	1.86807	1.03701	1.89645	0.99361
1.01939	1.89929	1.02289	1.88572	1.02528	1.91219	0.99691
1.01235	1.91514	1.03797	1.90259	1.01587	1.9283	1.00618
1.01171	1.93161	1.031	1.91864	1.03182	1.94611	1.01356
1.02577	1.94933	1.02338	1.93535	1.02143	1.96367	0.99753
1.02549	1.96704	1.02773	1.95308	1.00091	1.98141	0.9784
1.0097	1.98474	1.03713	1.97071	1.02082	1.99746	0.99907
1.00254	2.00045	1.02903	1.98846	1.03177	2.00652	0.99672
1.00369	2.00883	1.01246	2.00306	1.01921	2.00885	0.97616
1.0047	2.01098	1.01976	2.00973	1.01381	2.00957	0.9725
0.99903	2.01167	1.00407	2.01146	1.01708	2.00984	0.97249
0.99495	2.01189	0.99414	2.01201	1.00414	2.0099	0.97787
0.99711	2.01192	1.00517	2.01215	0.99228	2.00991	0.96486
0.99993	2.01192	1.01759	2.01218	0.99956	2.00996	0.96433
1.00425	2.01196	1.01089	2.01225	1.00067	2.00994	0.97053

moH	T60K-PA	moH	T80K-PA	moH	T100K-PA	moH
2.00938	1.02271	2.01244	1.00524	2.01108	1.01097	2.01103
2.00935	1.0072	2.01242	1.01629	2.0111	1.00906	2.01102
2.00937	1.01318	2.01242	1.01362	2.01109	1.02109	2.01102
2.00933	1.01842	2.01218	1.01657	2.00964	1.0243	2.01087
2.00514	1.00125	2.00581	1.01401	2.00159	1.0097	2.00554
1.99258	0.97908	1.99246	0.99193	1.98605	0.9959	1.99217
1.97608	0.99924	1.97567	0.99159	1.96918	0.98147	1.9758
1.95905	1.00278	1.95857	0.99232	1.9523	0.98731	1.95842
1.94169	0.99005	1.94123	0.98457	1.93481	0.99182	1.94111
1.92425	0.98745	1.92393	0.98716	1.91774	0.98198	1.92355
1.90887	0.9859	1.90835	0.99731	1.90224	0.99899	1.90815
1.89311	0.98745	1.8924	1.00802	1.88615	1.00377	1.8922
1.87558	0.99629	1.87483	0.9931	1.86852	0.99429	1.87459
1.85795	1.00901	1.85742	0.9883	1.85114	0.98936	1.85718
1.84045	0.99806	1.83985	0.98593	1.83354	0.98839	1.84
1.82255	0.9909	1.82154	0.97686	1.8145	0.99076	1.82185
1.80345	1.00533	1.80265	0.99508	1.79589	0.98175	1.80255
1.78555	1.00897	1.78523	1.01263	1.77903	0.98606	1.78481
1.76917	0.99329	1.76837	1.00902	1.76235	0.9941	1.76854
1.75244	0.99695	1.75186	0.98779	1.74583	1.00104	1.75184
1.73595	0.99731	1.73535	0.97909	1.72932	0.99624	1.73528
1.72098	0.99561	1.72098	0.99854	1.71433	0.99736	1.72057
1.7052	0.99452	1.70466	0.98684	1.69808	1.00722	1.70484
1.68745	0.99716	1.68674	0.97026	1.68033	0.99771	1.68679
1.66965	1.01181	1.66854	0.97232	1.66229	0.98128	1.66886
1.65162	1.00629	1.65046	0.97474	1.6445	0.97881	1.65083
1.63342	0.97848	1.63273	0.98115	1.62676	0.98224	1.63298
1.61756	0.98605	1.61875	1.00519	1.61298	0.97723	1.6177
1.60354	0.99005	1.6042	1.0186	1.59789	0.98372	1.60345
1.58719	1.00056	1.5863	1.00965	1.57964	1.00055	1.58661
1.56855	1.01227	1.56792	1.00936	1.56098	0.99786	1.56821
1.54992	1.00253	1.54927	1.00452	1.54263	1.00506	1.54938
1.53178	1.00777	1.53054	0.99182	1.52443	1.02104	1.53057
1.51359	0.99722	1.51287	0.99087	1.50645	1.00954	1.51257
1.49639	0.99903	1.49562	0.9863	1.48924	1.001	1.49544
1.47912	1.00619	1.47845	0.97803	1.47232	1.00681	1.47817
1.4616	1.00298	1.46107	0.99145	1.45487	0.99623	1.46107
1.44428	1.00993	1.44389	0.9807	1.43769	0.99248	1.44387
1.42693	1.01866	1.42619	0.98166	1.41924	1.00941	1.4259
1.40711	0.99561	1.40644	1.00006	1.40003	1.0085	1.40629
1.38876	0.99183	1.38831	0.99317	1.38241	0.99914	1.38839
1.3724	0.99924	1.37208	0.98534	1.36606	0.99752	1.3719
1.35603	0.98714	1.35566	0.99228	1.34992	1.00869	1.35562
1.33995	0.98517	1.33938	0.99108	1.33353	1.00985	1.33932
1.32336	0.99798	1.32323	0.99878	1.31761	1.01037	1.32329
1.30772	1.01317	1.30715	1.02319	1.30132	1.01227	1.30717

1.29091	1.01187	1.29052	1.01942	1.28389	1.00176	1.29025
1.27338	1.00005	1.27292	1.01248	1.26653	1.00183	1.27262
1.25584	0.99156	1.25516	0.98616	1.24896	0.99241	1.25511
1.23864	0.99348	1.23786	0.98776	1.23125	0.98562	1.23778
1.22196	1.0068	1.22149	0.99953	1.21503	0.99483	1.22157
1.2054	1.00528	1.20498	0.99927	1.19876	0.99496	1.20477
1.18832	1.0112	1.18725	0.99107	1.18112	0.99253	1.18707
1.17052	1.01106	1.16935	0.98965	1.1629	0.99095	1.16956
1.15238	0.98582	1.15154	1.00079	1.14487	0.98479	1.15204
1.13477	0.99907	1.13415	0.99237	1.12746	0.98491	1.13409
1.11754	1.0083	1.11642	1.00888	1.10997	0.99697	1.11637
1.09982	0.98205	1.09922	1.01062	1.0929	1.00781	1.09933
1.08253	0.98449	1.08202	0.99394	1.07579	1.00198	1.08212
1.06572	1.00172	1.0649	1.00387	1.05853	1.00967	1.06496
1.04837	1.00226	1.04752	0.99824	1.0413	1.01597	1.04762
1.0312	1.00352	1.03014	0.99358	1.02416	1.01301	1.03054
1.01372	1.00528	1.01302	0.99296	1.00688	1.00319	1.01307
0.99653	1.00243	0.99575	0.9965	0.98946	0.99381	0.99572
0.97949	0.99574	0.9789	0.99613	0.97262	1.01009	0.9787
0.96275	0.99891	0.96219	0.98744	0.95572	1.01902	0.96199
0.94568	1.01061	0.94518	1.00125	0.9387	1.0109	0.94492
0.92849	1.01683	0.92774	1.00635	0.9213	0.99295	0.92781
0.91069	1.00122	0.9102	0.99968	0.90376	0.97829	0.90998
0.89342	0.99189	0.89279	1.00883	0.88692	0.98463	0.89254
0.8767	0.99154	0.87577	1.02239	0.86991	0.98943	0.8761
0.8596	0.98671	0.85902	1.00955	0.85252	0.99091	0.85922
0.8424	0.99633	0.84191	0.99879	0.83568	0.99454	0.84211
0.82548	0.99906	0.82458	0.99522	0.81804	0.98017	0.82493
0.80782	1.00385	0.80686	0.97262	0.80057	0.98423	0.80748
0.7906	0.99752	0.7896	0.98011	0.78395	1.00123	0.79
0.77325	0.96805	0.77247	1.00053	0.7659	0.98884	0.77221
0.75581	0.97232	0.75485	1.00136	0.74843	0.99047	0.75499
0.73873	0.98291	0.73786	1.00078	0.73217	0.99772	0.73813
0.72227	0.98655	0.72164	1.00518	0.71557	0.99317	0.72178
0.70546	0.99299	0.70465	0.99968	0.69866	0.98895	0.70493
0.6881	1.00398	0.68767	0.99542	0.68118	0.98439	0.68765
0.67021	1.00707	0.66958	0.99398	0.6631	0.98172	0.6695
0.65262	0.99894	0.65179	0.98798	0.64549	0.98377	0.65179
0.63586	0.97564	0.6348	0.98264	0.62877	0.9885	0.63516
0.61925	0.97379	0.61867	0.99299	0.61282	0.98591	0.61875
0.60286	0.98294	0.60234	1.01084	0.59612	0.98255	0.60224
0.5854	0.98314	0.58458	1.00495	0.5782	0.98118	0.58462
0.56836	0.9985	0.56764	0.98983	0.56127	0.98832	0.56781
0.55116	0.98622	0.55032	0.98365	0.54415	0.98285	0.55054
0.53369	0.96777	0.53253	0.97777	0.52664	0.98451	0.53304
0.51669	0.96071	0.516	0.97928	0.50983	0.97827	0.51622
0.49979	0.95661	0.49932	0.97575	0.49286	0.96818	0.49939

0.48258	0.96734	0.48148	0.96335	0.47463	0.9708	0.4816
0.46329	0.96158	0.46266	0.96957	0.45616	0.95369	0.46286
0.44535	0.96548	0.44507	0.97963	0.43865	0.96151	0.44503
0.42891	0.97127	0.42819	0.96512	0.42184	0.96327	0.42797
0.41226	0.96041	0.41103	0.95234	0.40491	0.94365	0.41132
0.39511	0.9548	0.39455	0.95213	0.38826	0.94978	0.39447
0.37836	0.94916	0.37765	0.95085	0.37162	0.94791	0.37767
0.3615	0.9501	0.36062	0.94914	0.35475	0.93538	0.36101
0.34471	0.95154	0.3439	0.94597	0.33743	0.93943	0.34354
0.32736	0.954	0.32628	0.93917	0.3196	0.92103	0.3263
0.30971	0.93388	0.30869	0.93613	0.30218	0.89798	0.30848
0.29213	0.9023	0.29153	0.9179	0.28468	0.90467	0.29074
0.2749	0.89974	0.27394	0.9049	0.2677	0.90715	0.27387
0.25803	0.90588	0.25708	0.89883	0.25063	0.89204	0.25695
0.24097	0.8925	0.23976	0.86985	0.23325	0.88066	0.23983
0.22283	0.86965	0.22163	0.86408	0.21546	0.85718	0.22176
0.2049	0.85905	0.20413	0.86476	0.19774	0.84396	0.20395
0.18773	0.84292	0.18661	0.84792	0.1803	0.85032	0.18644
0.17033	0.82134	0.16926	0.85117	0.16316	0.82627	0.16915
0.15302	0.80989	0.15247	0.83497	0.14599	0.78673	0.15245
0.13575	0.78709	0.13478	0.79546	0.12849	0.74973	0.13483
0.11828	0.76551	0.11707	0.76456	0.11049	0.72733	0.11706
0.10029	0.73083	0.09925	0.72696	0.0939	0.69644	0.09924
0.08223	0.67093	0.08127	0.67965	0.07569	0.64542	0.08146
0.06464	0.61174	0.0638	0.60416	0.05721	0.58286	0.0636
0.04725	0.55095	0.04661	0.54122	0.04028	0.51792	0.04651
0.03061	0.49514	0.03011	0.48029	0.02404	0.4481	0.03014
0.01077	0.40213	0.01025	0.39876	0.00383	0.36894	0.00954
-0.0092	0.30003	-0.00953	0.30647	-0.01664	0.27153	-0.01134
-0.02703	0.21056	-0.0279	0.19719	-0.03516	0.1591	-0.02985
-0.04651	0.09222	-0.04712	0.07777	-0.05465	0.04367	-0.04941
-0.06631	-0.04032	-0.06588	-0.03198	-0.07036	-0.07907	-0.06761
-0.08096	-0.12451	-0.08036	-0.11897	-0.08535	-0.19131	-0.08246
-0.09497	-0.1848	-0.09496	-0.21168	-0.10176	-0.28824	-0.09719
-0.11159	-0.28643	-0.11166	-0.303	-0.1182	-0.37382	-0.11378
-0.12843	-0.39018	-0.12861	-0.38717	-0.13555	-0.45285	-0.13085
-0.14613	-0.46448	-0.14598	-0.47702	-0.15274	-0.53415	-0.14855
-0.16065	-0.53322	-0.16055	-0.54923	-0.16738	-0.60931	-0.16319
-0.17604	-0.60795	-0.17627	-0.63084	-0.18324	-0.66758	-0.17838
-0.19334	-0.70172	-0.19327	-0.70761	-0.20036	-0.72934	-0.19599
-0.21046	-0.76633	-0.21045	-0.76726	-0.21741	-0.78173	-0.21293
-0.22793	-0.80565	-0.2279	-0.81343	-0.23507	-0.83843	-0.23031
-0.24513	-0.85771	-0.24557	-0.85302	-0.2526	-0.89063	-0.24787
-0.26248	-0.89905	-0.26318	-0.87138	-0.27016	-0.92982	-0.26542
-0.28031	-0.93517	-0.28047	-0.88875	-0.28762	-0.95412	-0.28278
-0.29782	-0.94731	-0.29744	-0.9224	-0.30456	-0.93446	-0.30013
-0.31449	-0.95803	-0.31459	-0.93871	-0.32137	-0.94235	-0.31694

-0.33154	-0.97889	-0.33187	-0.94187	-0.33855	-0.95188	-0.33407
-0.34842	-0.99195	-0.34897	-0.95396	-0.3557	-0.95745	-0.35117
-0.36582	-0.99189	-0.36617	-0.95675	-0.37307	-0.98329	-0.36803
-0.38311	-0.99159	-0.38331	-0.96374	-0.39011	-1.00571	-0.38548
-0.39997	-1.00403	-0.40023	-0.97906	-0.40759	-1.01958	-0.40266
-0.41764	-1.01803	-0.41774	-0.98094	-0.42484	-1.0043	-0.42014
-0.43475	-1.0195	-0.43478	-0.97904	-0.44173	-0.99832	-0.43729
-0.45186	-1.00823	-0.45192	-0.97029	-0.45888	-1.00694	-0.45401
-0.46811	-1.00496	-0.46841	-0.9814	-0.47529	-1.01146	-0.47059
-0.48472	-1.00009	-0.4848	-0.99309	-0.49184	-1.02448	-0.48762
-0.50175	-1.0033	-0.50186	-1.00012	-0.50975	-1.03667	-0.50483
-0.51944	-1.01103	-0.51971	-0.99859	-0.52723	-1.0262	-0.52245
-0.53681	-1.02376	-0.53711	-0.99213	-0.54431	-1.01163	-0.53974
-0.55406	-1.03882	-0.55398	-0.99589	-0.56148	-1.00554	-0.55697
-0.57147	-1.03652	-0.57171	-1.00318	-0.57917	-1.01263	-0.57443
-0.58893	-1.02992	-0.58941	-1.0049	-0.59669	-1.02823	-0.59226
-0.6056	-1.02831	-0.60535	-1.00311	-0.61261	-1.02805	-0.60816
-0.62156	-1.04413	-0.62171	-1.0113	-0.62857	-1.02877	-0.62421
-0.63829	-1.04174	-0.63867	-1.01223	-0.64567	-1.02126	-0.64105
-0.6556	-1.03145	-0.65586	-1.00127	-0.66317	-1.01952	-0.65866
-0.6731	-1.0283	-0.67322	-0.99805	-0.68038	-1.03128	-0.67584
-0.68997	-1.02877	-0.69017	-1.01301	-0.69724	-1.01799	-0.69258
-0.70738	-1.03869	-0.70808	-1.00972	-0.71515	-1.01832	-0.7105
-0.72536	-1.0396	-0.72586	-1.00549	-0.73272	-1.02577	-0.72844
-0.74245	-1.03639	-0.74267	-1.00403	-0.74946	-1.0362	-0.74533
-0.75933	-1.04064	-0.75931	-1.00308	-0.76629	-1.04359	-0.76182
-0.77663	-1.04809	-0.77666	-1.01008	-0.78365	-1.04038	-0.77891
-0.79368	-1.04861	-0.79389	-1.01405	-0.80052	-1.03572	-0.79613
-0.81054	-1.04084	-0.81078	-1.01248	-0.8175	-1.03672	-0.81297
-0.82738	-1.02819	-0.82795	-1.01354	-0.83481	-1.03704	-0.83051
-0.84493	-1.0319	-0.84523	-1.00688	-0.85217	-1.02227	-0.84787
-0.86198	-1.04307	-0.86213	-1.00581	-0.86943	-1.02461	-0.86468
-0.87927	-1.03759	-0.87952	-1.01381	-0.88679	-1.03094	-0.88187
-0.89653	-1.03366	-0.89646	-1.02138	-0.90333	-1.04431	-0.89912
-0.91317	-1.03858	-0.91301	-1.01451	-0.91999	-1.04364	-0.91557
-0.92958	-1.03147	-0.92965	-0.99656	-0.93681	-1.02334	-0.93208
-0.94707	-1.03023	-0.94748	-0.99877	-0.95497	-1.02397	-0.94988
-0.96518	-1.04079	-0.96576	-1.00847	-0.97312	-1.03946	-0.96808
-0.98342	-1.04737	-0.98373	-1.01606	-0.9908	-1.03187	-0.9859
-1.00019	-1.04752	-0.99979	-1.0098	-1.00695	-1.01612	-1.00226
-1.01591	-1.05634	-1.01605	-1.00157	-1.02318	-1.02934	-1.01834
-1.03264	-1.0703	-1.03306	-1.00227	-1.04008	-1.03589	-1.03553
-1.04956	-1.05432	-1.05001	-1.00952	-1.05695	-1.0375	-1.05247
-1.06661	-1.04578	-1.06695	-1.01007	-1.07389	-1.0392	-1.06916
-1.08348	-1.05055	-1.08394	-1.01022	-1.09102	-1.03914	-1.08615
-1.1013	-1.04102	-1.10175	-1.01218	-1.10866	-1.04102	-1.10399
-1.11911	-1.03268	-1.11945	-1.01778	-1.12658	-1.03572	-1.12201

-1.13619	-1.02119	-1.13659	-1.02345	-1.14419	-1.03854	-1.13928
-1.15386	-1.02184	-1.1542	-1.02339	-1.16134	-1.03184	-1.15657
-1.17117	-1.03941	-1.17165	-1.01958	-1.17872	-1.03104	-1.17419
-1.18876	-1.04412	-1.18871	-1.02129	-1.19547	-1.04255	-1.19137
-1.20502	-1.03341	-1.20506	-1.02427	-1.21175	-1.04015	-1.2074
-1.22115	-1.03114	-1.22138	-1.01515	-1.22879	-1.04588	-1.22391
-1.23823	-1.02932	-1.23868	-0.99738	-1.24602	-1.0376	-1.24135
-1.25542	-1.02907	-1.25602	-1.00481	-1.26304	-1.02009	-1.25848
-1.27271	-1.02961	-1.27292	-1.01647	-1.28016	-1.01185	-1.27561
-1.28976	-1.02061	-1.29045	-1.02001	-1.29788	-1.02206	-1.29303
-1.30784	-1.02522	-1.30825	-1.01401	-1.31572	-1.04305	-1.31098
-1.32582	-1.02383	-1.32587	-1.01887	-1.33363	-1.03564	-1.32885
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0.15474	0.52052	0.16047	0.51919	0.17728	0.61889	0.1693
0.17175	0.60006	0.17767	0.60935	0.19416	0.69681	0.18656

0.18903	0.68007	0.19485	0.68057	0.21196	0.75826	0.20389
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0.22461	0.80778	0.23033	0.80679	0.24795	0.85854	0.24007
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0.29334	0.92906	0.29967	0.93202	0.31635	0.93756	0.30859
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0.39722	0.99072	0.40283	0.9879	0.41849	0.99331	0.41132
0.41341	1.00039	0.41937	0.99563	0.43531	0.98955	0.4282
0.43008	0.99704	0.43573	0.99163	0.45233	1.00397	0.44484
0.44667	1.01865	0.45282	0.98586	0.47069	1.00076	0.46292
0.4649	1.02329	0.47104	1.00275	0.48921	1.0045	0.48138
0.48335	1.02791	0.48954	1.01974	0.50646	1.00864	0.49914
0.50089	1.03414	0.50694	1.0208	0.52328	1.00292	0.51578
0.51779	1.01767	0.5234	1.01463	0.54041	1.00928	0.53281
0.53493	1.01771	0.54055	1.00923	0.55751	1.02369	0.55064
0.55235	1.0286	0.55801	1.02095	0.57449	1.02606	0.56759
0.56939	1.0431	0.57491	1.02925	0.5917	1.0106	0.58471
0.58658	1.05197	0.59244	1.01761	0.60886	1.01024	0.60217
0.60367	1.04984	0.60952	1.01173	0.62523	1.01906	0.61823
0.62006	1.0358	0.62557	1.01019	0.64183	1.02589	0.63454
0.63667	1.02552	0.64224	0.99931	0.65913	1.0233	0.65139
0.65358	1.03575	0.65936	1.00258	0.6772	1.02395	0.66927
0.67155	1.04355	0.67751	1.02188	0.69476	1.02341	0.68708
0.68939	1.04235	0.69523	1.04095	0.71172	1.02386	0.70442
0.70649	1.04029	0.71219	1.03337	0.7282	1.04824	0.72116
0.72296	1.03896	0.72878	1.02615	0.74494	1.05258	0.73771
0.73952	1.04163	0.74541	1.02558	0.76241	1.03066	0.75442
0.75643	1.04674	0.76257	1.01743	0.77955	1.03558	0.77203
0.77413	1.05595	0.77978	1.01991	0.79648	1.03403	0.7893
0.79151	1.05668	0.7969	1.03577	0.81426	1.02752	0.8064
0.8087	1.04096	0.81481	1.04329	0.83153	1.02052	0.82389
0.82596	1.03728	0.83208	1.0374	0.84832	1.0266	0.84128
0.84315	1.05487	0.84866	1.02337	0.86577	1.03833	0.85816
0.86024	1.05726	0.86587	1.02487	0.88272	1.03431	0.87533
0.87739	1.03651	0.88326	1.03359	0.89948	1.0318	0.89215
0.89429	1.02775	0.89988	1.03105	0.91686	1.03094	0.90938
0.91144	1.04423	0.9175	1.0458	0.93451	1.02875	0.92688
0.92909	1.04018	0.93508	1.04487	0.95165	1.0259	0.94436
0.94631	1.03701	0.95201	1.0245	0.96857	1.02103	0.96125
0.96324	1.04956	0.96875	1.01906	0.98527	1.02232	0.97817
0.98011	1.05513	0.98592	1.01916	1.00244	1.01834	0.99506

0.99717	1.05997	1.00307	1.03294	1.01976	1.01509	1.01245
1.01459	1.04412	1.02047	1.03127	1.03721	1.02474	1.02972
1.03196	1.04658	1.03765	1.02511	1.0547	1.02561	1.04702
1.04882	1.06206	1.05454	1.04054	1.07191	1.02882	1.06445
1.06612	1.0588	1.07198	1.04779	1.08886	1.0309	1.08151
1.08322	1.0503	1.08915	1.03028	1.10575	1.02755	1.09843
1.10035	1.04478	1.10605	1.02993	1.12327	1.01911	1.11595
1.11765	1.04929	1.12351	1.04847	1.14069	1.03044	1.1335
1.1353	1.05402	1.14105	1.04494	1.15816	1.04407	1.15126
1.15303	1.05682	1.15883	1.03417	1.17571	1.04139	1.1688
1.17067	1.05988	1.17633	1.04475	1.19341	1.041	1.18655
1.18826	1.07038	1.19394	1.05158	1.21064	1.03505	1.20428
1.20585	1.07711	1.21111	1.0407	1.22712	1.02092	1.22056
1.22213	1.05541	1.22738	1.03449	1.24381	1.02559	1.23683
1.23826	1.0497	1.24415	1.03013	1.26133	1.03325	1.2543
1.25592	1.05659	1.26174	1.03913	1.27881	1.02416	1.27176
1.27359	1.05601	1.27921	1.04671	1.29613	1.03241	1.28935
1.29078	1.04665	1.2966	1.03912	1.31247	1.03212	1.30649
1.30741	1.04469	1.31304	1.03335	1.32903	1.01907	1.32248
1.32363	1.06797	1.32924	1.03209	1.34562	1.01491	1.33847
1.34016	1.07309	1.34596	1.0214	1.36177	1.0314	1.35512
1.35664	1.06484	1.36222	1.02969	1.37792	1.03463	1.37158
1.37304	1.04826	1.37869	1.03516	1.39422	1.01951	1.38758
1.38926	1.04272	1.39511	1.01202	1.41402	1.0216	1.40637
1.40797	1.05501	1.4141	1.02346	1.43299	1.01393	1.42535
1.42734	1.05408	1.43301	1.03507	1.45005	1.02312	1.44335
1.44475	1.04605	1.45059	1.02617	1.46737	1.02889	1.46041
1.46208	1.05976	1.46785	1.03689	1.48458	1.01204	1.47777
1.4792	1.04308	1.48527	1.03669	1.50155	1.02336	1.49526
1.49652	1.03783	1.50242	1.02688	1.51938	1.03308	1.51233
1.51413	1.06864	1.51955	1.03663	1.53764	1.02336	1.53006
1.53181	1.0699	1.5377	1.03573	1.5562	1.01994	1.54878
1.54995	1.06732	1.55615	1.04555	1.57465	1.03011	1.5671
1.56875	1.07455	1.57447	1.05213	1.59294	1.03289	1.58561
1.58732	1.07107	1.59335	1.03768	1.60789	1.02142	1.60383
1.60358	1.04988	1.60917	1.0419	1.62253	1.00997	1.61755
1.61783	1.03098	1.62334	1.0414	1.63973	1.02403	1.63213
1.6337	1.03642	1.64017	1.02659	1.65749	1.0331	1.65013
1.65171	1.05443	1.65791	1.01843	1.67521	1.01543	1.66788
1.66964	1.06235	1.67559	1.02775	1.69296	1.00931	1.68584
1.68764	1.05399	1.6933	1.0349	1.71005	1.02949	1.70365
1.7053	1.05472	1.71106	1.04398	1.72529	1.03335	1.71912
1.72052	1.0588	1.72623	1.03912	1.74099	1.01746	1.73456
1.73575	1.0529	1.7415	1.04107	1.7579	1.01335	1.75112
1.75245	1.03779	1.75841	1.03778	1.77444	1.01519	1.76759
1.76903	1.03603	1.77508	1.02672	1.79086	1.01019	1.7844
1.78579	1.03105	1.79147	1.02003	1.80966	1.00501	1.80229

1.80378	1.03687	1.81028	1.03688	1.82865	1.02215	1.82113
1.82269	1.04767	1.82925	1.04901	1.84645	1.02511	1.83902
1.84076	1.04484	1.84654	1.02846	1.86382	1.01825	1.85668
1.85824	1.07237	1.86418	1.03298	1.88119	1.00643	1.8742
1.87572	1.06602	1.88201	1.03251	1.89878	0.99895	1.89181
1.89346	1.05186	1.89956	1.02662	1.91421	0.99768	1.9073
1.90919	1.05758	1.91519	1.02571	1.93067	0.98572	1.92369
1.92547	1.043	1.93125	1.04277	1.94844	0.98771	1.9414
1.94319	1.04351	1.94905	1.04105	1.96635	1.00086	1.95924
1.96091	1.04241	1.96693	1.02265	1.98396	1.0037	1.97683
1.97844	1.03787	1.98437	1.03486	1.99956	1.0044	1.99461
1.99529	1.04677	2.00063	1.0329	2.00812	0.99178	2.00594
2.00502	1.02714	2.0089	1.01421	2.01002	0.97015	2.01009
2.00802	1.01167	2.01128	1.01818	2.01074	0.97784	2.0111
2.00886	1.02458	2.01193	1.02025	2.01094	0.98479	2.01146
2.0091	1.035	2.01218	1.00941	2.01096	0.97951	2.01157
2.00919	1.03495	2.01223	0.99525	2.01097	0.96047	2.01161
2.00923	1.02481	2.01227	1.00447	2.01099	0.9658	2.01163
2.00923	1.01573	2.01231	1.02067	2.011	0.99646	2.01166

T120K-PA	moH	T150K-PA	moH	T200K-PA	moH	T300K-PA
1.01429	2.01034	1.00493	2.01013	1.01259	2.01105	1.0208
1.00309	2.01036	1.01282	2.01009	1.00257	2.01104	1.00988
0.99998	2.01038	1.02787	2.01006	0.99611	2.01107	0.99363
1.01756	2.00912	1.0258	2.00877	1.0074	2.01026	1.01058
1.00024	2.0012	1.00139	1.99947	1.01093	2.00224	1.00936
0.9856	1.98611	0.98172	1.984	1.00711	1.98716	0.98747
0.99472	1.96883	0.96906	1.96723	0.98115	1.97007	0.98381
0.99519	1.95158	0.97858	1.95013	0.97637	1.95296	0.99619
0.99841	1.93459	1.00521	1.93266	0.98946	1.9353	1.00985
1.00978	1.91732	0.99744	1.91572	1.009	1.91853	0.99832
1.00534	1.90186	0.99922	1.90042	1.02348	1.90335	0.9949
0.99949	1.88562	1.00306	1.88416	1.00259	1.88727	1.00156
0.99399	1.86797	0.98919	1.86628	0.99305	1.86966	0.9862
0.98232	1.85065	1.00372	1.849	0.98819	1.85209	0.99745
0.9853	1.83353	1.01175	1.83182	0.98769	1.83476	1.00458
1.00203	1.81416	0.98571	1.81266	0.98081	1.81542	0.99487
1.01714	1.79546	0.98033	1.79403	0.97731	1.79678	1.01317
0.99791	1.77856	0.99055	1.77683	0.97624	1.77988	1.015
0.99011	1.76192	0.99672	1.76024	0.9811	1.76298	0.99376
1.00338	1.74522	0.98999	1.7439	0.99345	1.74641	1.00066
1.00379	1.72866	0.97196	1.72732	0.97772	1.73016	1.01409
0.99647	1.71356	0.98882	1.71213	0.98772	1.71555	1.00873
0.98874	1.69773	1.01565	1.69595	0.99074	1.69959	1.00469
0.99671	1.67991	1.01167	1.67817	0.9863	1.68126	1.00803
0.99491	1.66187	1.00368	1.6599	1.00452	1.66324	1.00268
0.9808	1.64384	1.00355	1.64194	0.99713	1.64508	0.98845
0.97376	1.62597	0.98454	1.62394	0.98263	1.62708	0.98352
0.98054	1.61239	0.98917	1.61044	0.99202	1.61388	0.99978
0.98854	1.59781	0.98739	1.59578	1.01002	1.59961	1.00711
0.98962	1.57963	1.00136	1.57752	1.02253	1.58135	1.0031
0.99325	1.5609	1.00883	1.55938	1.01641	1.5626	1.00411
0.99484	1.5421	0.98652	1.54046	1.00121	1.54368	0.99649
0.99844	1.52376	0.98209	1.5222	0.9913	1.5252	0.99181
0.98331	1.50606	0.98353	1.50444	0.99015	1.50807	0.99734
0.98313	1.48902	1.00457	1.48718	0.99887	1.49068	0.99543
1.00673	1.47173	1.00635	1.46995	0.99291	1.4734	0.99218
0.99204	1.45464	0.99347	1.45256	0.9928	1.45604	0.97598
0.97672	1.43745	0.99921	1.43563	1.00338	1.43877	0.98168
0.98617	1.41861	0.99954	1.41591	0.98717	1.41905	0.99854
0.97637	1.39928	0.98241	1.39697	0.99636	1.40029	0.99367
0.9703	1.38204	0.98609	1.38041	0.99024	1.38371	0.98501
1.00034	1.36569	0.9861	1.36389	0.97864	1.36694	0.98643
1.00207	1.34907	1.00146	1.34774	1.00041	1.35081	1.01167
0.99275	1.33286	1.0134	1.33133	1.00356	1.33456	1.0081
1.00873	1.31747	1.00047	1.31555	0.99698	1.31927	1.00969
1.02223	1.30096	1.00738	1.2994	0.9882	1.30286	1.02025

1.01852	1.28354	1.0057	1.28169	0.99656	1.2856	1.0015
1.0069	1.26631	0.99402	1.26414	0.99062	1.26815	0.98178
1.00143	1.24867	0.98809	1.24687	0.9811	1.25023	0.99187
0.99259	1.23124	0.99109	1.22961	0.99665	1.23268	1.0241
0.99027	1.21509	1.00063	1.21323	1.00865	1.21675	1.03258
1.00013	1.19812	0.98912	1.19674	1.00854	1.20004	1.01189
0.99824	1.18055	0.99383	1.17908	0.99411	1.18268	1.00055
1.00129	1.16273	1.00409	1.16085	0.98717	1.16496	0.99993
1.0049	1.1449	0.99937	1.14319	0.99699	1.14728	0.99497
1.01055	1.12754	1.00761	1.12553	1.00746	1.12939	0.99787
1.01112	1.10993	1.00809	1.10809	1.00496	1.11188	0.99651
0.98874	1.09279	1.00397	1.09084	0.98984	1.09451	1.00229
0.98844	1.0758	0.99452	1.07392	0.9923	1.07755	1.01132
0.99955	1.05823	0.98215	1.05664	1.01048	1.06014	1.00485
1.001	1.04101	0.99465	1.03931	0.99648	1.04301	1.01006
0.99234	1.02374	1.01205	1.02191	0.98142	1.02559	0.9927
0.97994	1.00628	1.00265	1.00444	0.98908	1.00822	0.96955
0.98501	0.98935	1.00324	0.98745	0.99898	0.99096	0.98506
0.99045	0.97254	1.01365	0.97064	1.00449	0.97394	0.99066
0.98705	0.95541	1.01081	0.95366	1.01281	0.95741	0.98858
0.99635	0.93829	0.99764	0.93655	1.01365	0.9405	0.9933
1.00908	0.92056	0.99595	0.91875	0.99945	0.92237	0.98553
0.99245	0.90326	0.99859	0.90144	0.99758	0.90481	0.98266
0.97977	0.88652	1.00259	0.88496	0.99487	0.88853	0.99037
0.99102	0.86946	1.00646	0.86785	0.99075	0.87128	0.99945
0.98549	0.85223	1.00539	0.85042	0.98102	0.85408	0.98986
0.96977	0.83543	1.00863	0.83386	0.99516	0.8376	0.9871
0.97695	0.81789	1.00133	0.81639	1.00876	0.82021	1.00073
0.98403	0.80031	1.00283	0.79853	0.98829	0.80276	1.00723
0.98531	0.78335	0.99001	0.78159	0.98387	0.78578	0.99713
1.00687	0.76576	0.98558	0.76436	0.99967	0.76814	0.9913
1.00097	0.74831	0.99035	0.74691	0.99476	0.75091	0.99525
0.99603	0.73179	0.98408	0.73032	0.97747	0.73414	0.98644
0.9929	0.71521	0.99539	0.71388	0.99529	0.7175	0.97614
0.98109	0.69826	0.99487	0.69661	1.00765	0.70052	0.98698
0.97992	0.68122	0.9861	0.6792	1.00732	0.68309	0.98813
0.96924	0.66295	0.99155	0.66102	1.00005	0.66517	0.97579
0.98006	0.64507	0.99634	0.64379	1.00083	0.64719	0.98178
0.98733	0.62843	0.97985	0.627	0.99486	0.63056	0.9855
0.98014	0.61228	0.97345	0.61097	0.97958	0.61455	0.99273
0.9728	0.5958	0.97913	0.59401	0.97688	0.59802	0.99158
0.96363	0.57817	0.98352	0.57663	0.98487	0.58058	0.98559
0.97378	0.56125	0.986	0.55964	1.00433	0.56318	0.9718
0.98013	0.544	0.97519	0.5424	0.99889	0.54618	0.95537
0.97459	0.52648	0.96959	0.52527	0.97177	0.52897	0.9716
0.98004	0.50973	0.97581	0.50848	0.96947	0.51235	0.9846
0.96851	0.49272	0.97656	0.49126	0.96912	0.49511	0.96489

0.95198	0.47442	0.96576	0.47257	0.96202	0.47656	0.95425
0.9571	0.45604	0.96687	0.45432	0.97664	0.45788	0.96904
0.95565	0.43868	0.96533	0.43713	0.98872	0.4405	0.96152
0.93944	0.42191	0.95897	0.42002	0.96858	0.4236	0.96009
0.95097	0.40489	0.96248	0.40338	0.95697	0.40698	0.95446
0.95935	0.3883	0.96104	0.38664	0.96295	0.39029	0.93944
0.93389	0.37138	0.95246	0.36954	0.94182	0.37357	0.93292
0.94009	0.35423	0.93831	0.35224	0.93678	0.35609	0.9244
0.94186	0.33689	0.94534	0.33514	0.95127	0.33868	0.93608
0.93016	0.31939	0.95673	0.31734	0.92503	0.32087	0.93026
0.91527	0.30175	0.93843	0.29985	0.9007	0.30333	0.90364
0.89155	0.28434	0.912	0.28245	0.90788	0.28579	0.89581
0.88649	0.26728	0.90089	0.26531	0.91363	0.26894	0.89751
0.89033	0.25032	0.89389	0.24838	0.90112	0.25186	0.88817
0.8778	0.23271	0.8845	0.23111	0.87366	0.23439	0.87102
0.86445	0.21474	0.86275	0.21297	0.84851	0.21631	0.85724
0.86585	0.19696	0.837	0.1953	0.84379	0.19861	0.83657
0.84022	0.17969	0.82009	0.17787	0.82976	0.18113	0.82227
0.80269	0.16247	0.80116	0.16076	0.80126	0.16381	0.82161
0.79547	0.14542	0.78121	0.14342	0.77943	0.14703	0.78926
0.76669	0.12781	0.7515	0.12557	0.75765	0.12936	0.75483
0.73304	0.11007	0.72489	0.10803	0.72906	0.11145	0.71889
0.69805	0.09291	0.68726	0.08997	0.68884	0.09396	0.68713
0.64618	0.07489	0.64184	0.07222	0.64322	0.0757	0.65229
0.59862	0.05685	0.58434	0.05483	0.59728	0.05776	0.61001
0.54765	0.04005	0.50785	0.03809	0.53778	0.04116	0.5416
0.47632	0.02371	0.44056	0.02195	0.44942	0.0253	0.44564
0.37474	0.00361	0.35991	0.00235	0.33957	0.00574	0.36494
0.25957	-0.01696	0.25731	-0.01805	0.23881	-0.01413	0.26083
0.14788	-0.03544	0.13589	-0.03647	0.12972	-0.03212	0.13577
0.04376	-0.05457	0.02823	-0.05613	-0.00553	-0.05173	0.00392
-0.05253	-0.07037	-0.0753	-0.07194	-0.10786	-0.06799	-0.11473
-0.15944	-0.08563	-0.17827	-0.08679	-0.19815	-0.08347	-0.19128
-0.26493	-0.10168	-0.26465	-0.1031	-0.29615	-0.09931	-0.2789
-0.34799	-0.11814	-0.36157	-0.11937	-0.36926	-0.11504	-0.39238
-0.42652	-0.13545	-0.45634	-0.1364	-0.46076	-0.13212	-0.48512
-0.49935	-0.15187	-0.53844	-0.15201	-0.55111	-0.1496	-0.56748
-0.5794	-0.16709	-0.60064	-0.16814	-0.62139	-0.16564	-0.63927
-0.65081	-0.18375	-0.67675	-0.18518	-0.70399	-0.18226	-0.7054
-0.70326	-0.20099	-0.74236	-0.20233	-0.76988	-0.1997	-0.77308
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-0.82481	-0.23517	-0.85949	-0.23692	-0.85953	-0.23389	-0.87287
-0.86267	-0.25269	-0.89263	-0.25439	-0.88257	-0.25168	-0.89883
-0.89536	-0.27023	-0.91306	-0.27185	-0.91584	-0.26883	-0.90977
-0.92439	-0.28774	-0.92764	-0.2896	-0.93358	-0.28638	-0.92913
-0.93474	-0.30491	-0.9382	-0.3064	-0.95889	-0.30391	-0.94342
-0.93279	-0.3221	-0.94302	-0.32332	-0.96513	-0.32058	-0.9467

-0.9498	-0.33888	-0.94222	-0.34032	-0.95026	-0.33744	-0.95851
-0.96734	-0.35599	-0.9601	-0.3575	-0.9677	-0.35422	-0.96311
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-1.00331	-0.39032	-0.98269	-0.39169	-0.98824	-0.38857	-0.97541
-0.99332	-0.40781	-0.99608	-0.40895	-0.98379	-0.40586	-0.99388
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-0.98158	-0.44194	-1.00214	-0.44323	-0.98501	-0.44031	-0.96995
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-1.00637	-0.47567	-1.0052	-0.47771	-1.00865	-0.47472	-0.99132
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-1.03722	-0.5447	-1.02956	-0.54646	-1.01088	-0.54443	-0.99214
-1.01099	-0.56219	-1.02489	-0.56376	-1.01989	-0.56119	-0.98984
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-1.01131	-0.59707	-1.0349	-0.59913	-1.00199	-0.59634	-1.01949
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-1.03859	-0.88722	-1.04417	-0.8889	-1.02131	-0.8858	-1.0015
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-1.03851	-0.97342	-1.03945	-0.97535	-1.02926	-0.97224	-1.04431
-1.03433	-0.99127	-1.03364	-0.99272	-1.04004	-0.99014	-1.03104
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-0.99112	-0.97314	-1.00736	-0.97447	-1.0019	-0.97525	-0.98346
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-0.98311	-0.9369	-1.01132	-0.938	-1.01296	-0.93845	-0.97953
-0.99246	-0.91995	-1.01048	-0.92091	-0.99956	-0.92105	-0.97329
-1.00349	-0.90362	-0.99719	-0.90446	-0.97888	-0.90499	-0.97638
-0.9934	-0.88681	-0.99058	-0.88791	-0.97716	-0.88831	-0.96644
-0.99155	-0.86912	-0.99434	-0.87067	-1.00007	-0.87106	-0.97993
-0.99783	-0.85198	-1.008	-0.85344	-1.00496	-0.85377	-1.00083
-1.00198	-0.83452	-1.01314	-0.83634	-1.0023	-0.8365	-1.00853
-0.99374	-0.81705	-1.00918	-0.81869	-0.99645	-0.81925	-0.99231
-0.99536	-0.80057	-1.00563	-0.80185	-0.98813	-0.80237	-0.9705
-0.99448	-0.78354	-1.00163	-0.78479	-0.99206	-0.78512	-0.97338
-0.98506	-0.76624	-0.99261	-0.76754	-0.98937	-0.76792	-0.97986
-0.9967	-0.74935	-0.98346	-0.7508	-0.98751	-0.75143	-0.97699
-1.00684	-0.73261	-0.97979	-0.734	-0.99685	-0.73483	-0.95986
-1.009	-0.71487	-0.98691	-0.71644	-1.00349	-0.71694	-0.96586
-0.9951	-0.69718	-0.98168	-0.69869	-0.992	-0.69909	-0.97526
-0.9744	-0.6799	-0.97874	-0.68125	-0.97879	-0.682	-0.96076
-0.96692	-0.66264	-0.99145	-0.66378	-0.99058	-0.66461	-0.96657
-0.97977	-0.64514	-0.98767	-0.6467	-0.98971	-0.64707	-0.98715
-0.98968	-0.62808	-0.97512	-0.62965	-0.9841	-0.63009	-0.98683

-0.99007	-0.61272	-0.98528	-0.61384	-0.99069	-0.61464	-0.98157
-0.97608	-0.59632	-0.9984	-0.5976	-0.99124	-0.59856	-0.97891
-0.97189	-0.57869	-0.98774	-0.58005	-0.98945	-0.58076	-0.97574
-0.96682	-0.56103	-0.98511	-0.56264	-0.97508	-0.56315	-0.9803
-0.9667	-0.54374	-0.98596	-0.54517	-0.96584	-0.5461	-0.97629
-0.971	-0.52685	-0.98504	-0.52806	-0.97181	-0.529	-0.98419
-0.96936	-0.50892	-0.98739	-0.51025	-0.96623	-0.51127	-0.98118
-0.96993	-0.49157	-0.97435	-0.493	-0.9693	-0.49396	-0.96573
-0.96913	-0.47456	-0.95482	-0.47587	-0.98059	-0.47726	-0.96771
-0.96969	-0.45702	-0.95746	-0.45853	-0.97522	-0.45994	-0.97992
-0.94683	-0.44015	-0.95976	-0.44157	-0.96722	-0.4428	-0.97236
-0.93114	-0.42344	-0.956	-0.42475	-0.95908	-0.42545	-0.95008
-0.94963	-0.40606	-0.9514	-0.40717	-0.95543	-0.40763	-0.94172
-0.96336	-0.38909	-0.95814	-0.39003	-0.95334	-0.39047	-0.93803
-0.94851	-0.37194	-0.96947	-0.37289	-0.95458	-0.3734	-0.94862
-0.93899	-0.35468	-0.95356	-0.35575	-0.94941	-0.35596	-0.93771
-0.94573	-0.33746	-0.93668	-0.33855	-0.95059	-0.33911	-0.91557
-0.94074	-0.32048	-0.92841	-0.32124	-0.95552	-0.32229	-0.91122
-0.93009	-0.30392	-0.93778	-0.30442	-0.93742	-0.30554	-0.90941
-0.92182	-0.28653	-0.92281	-0.28755	-0.92598	-0.2882	-0.90683
-0.91193	-0.26902	-0.90199	-0.26999	-0.90721	-0.27074	-0.89285
-0.89368	-0.2517	-0.90131	-0.25267	-0.88865	-0.25344	-0.88058
-0.88155	-0.23427	-0.88974	-0.23513	-0.88444	-0.23575	-0.89053
-0.87343	-0.2168	-0.86478	-0.21754	-0.86862	-0.21835	-0.87745
-0.84493	-0.19955	-0.84703	-0.20049	-0.8587	-0.20128	-0.84469
-0.81844	-0.18246	-0.85368	-0.18353	-0.85419	-0.18411	-0.8331
-0.8054	-0.16471	-0.83859	-0.16582	-0.83254	-0.16644	-0.81191
-0.79119	-0.14949	-0.8079	-0.1504	-0.80745	-0.14872	-0.78075
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-0.76575	-0.11592	-0.76271	-0.11643	-0.75292	-0.1155	-0.74665
-0.70558	-0.09904	-0.73409	-0.09967	-0.7168	-0.09941	-0.71867
-0.6574	-0.08227	-0.6813	-0.08312	-0.66612	-0.08328	-0.67984
-0.63375	-0.06733	-0.62385	-0.06831	-0.63031	-0.068	-0.64181
-0.57169	-0.04998	-0.55868	-0.05092	-0.58177	-0.05032	-0.58486
-0.48479	-0.0308	-0.48605	-0.03174	-0.51722	-0.03097	-0.49578
-0.38463	-0.01317	-0.40246	-0.01419	-0.42993	-0.01364	-0.38587
-0.27296	0.00538	-0.32194	0.00401	-0.30439	0.00441	-0.27584
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-0.04653	0.04324	-0.10704	0.04225	-0.08871	0.0423	-0.08062
0.04521	0.06037	0.0102	0.05891	0.02433	0.05882	0.05304
0.15657	0.0775	0.12134	0.07586	0.12881	0.07571	0.1618
0.24949	0.09451	0.21849	0.09311	0.22722	0.09259	0.24905
0.33463	0.11222	0.31487	0.11104	0.34111	0.11069	0.33313
0.41523	0.12974	0.40306	0.12851	0.43742	0.12868	0.41183
0.50028	0.1467	0.49205	0.14581	0.50034	0.14574	0.52251
0.58457	0.16338	0.5766	0.16254	0.57551	0.1624	0.61846
0.64912	0.1807	0.64002	0.17929	0.66208	0.17947	0.68823

0.72619	0.19799	0.69462	0.19652	0.74174	0.19663	0.75411
0.78637	0.21583	0.7753	0.21449	0.79726	0.21423	0.79946
0.82696	0.23381	0.84698	0.23253	0.83036	0.23222	0.8427
0.85556	0.2512	0.87973	0.25022	0.86858	0.25007	0.87929
0.87807	0.26813	0.91825	0.26725	0.90514	0.2673	0.89912
0.9101	0.28503	0.92825	0.2842	0.95023	0.28412	0.92564
0.9245	0.30255	0.93261	0.30119	0.94693	0.30146	0.94772
0.94392	0.32009	0.94349	0.31863	0.95945	0.31904	0.94015
0.96071	0.33769	0.94135	0.33655	0.98632	0.33628	0.95056
0.95854	0.35493	0.95629	0.3538	0.97175	0.35365	0.9675
0.95966	0.37175	0.96144	0.37062	0.99	0.37074	0.96128
0.97287	0.38846	0.96181	0.38752	0.99286	0.38752	0.95899
0.97763	0.40554	0.97994	0.40461	0.97738	0.40451	0.9704
0.97497	0.42236	0.99118	0.42176	0.99178	0.42185	0.98741
0.98704	0.43927	1.00225	0.43838	1.00959	0.43885	0.99151
0.98837	0.45645	1.0044	0.45564	1.01421	0.45545	0.99958
0.98912	0.47454	0.9986	0.47405	1.02017	0.47418	0.99826
0.99814	0.49275	1.00686	0.49241	1.01218	0.49269	0.99445
0.99634	0.51009	1.02028	0.50959	0.99592	0.51014	1.00098
0.98364	0.52684	1.03395	0.5264	1.01529	0.52702	1.00183
0.98215	0.54434	1.02353	0.5435	1.03036	0.5441	1.00406
0.99882	0.56133	1.00294	0.56056	1.02195	0.56162	1.00795
1.01213	0.57826	1.01073	0.57757	1.01925	0.57848	1.01433
1.02902	0.59608	1.01624	0.59518	1.02056	0.59551	1.02713
1.03027	0.61255	1.01723	0.61182	1.01671	0.61259	1.02882
1.01901	0.62886	1.03136	0.6281	1.02618	0.62884	1.01569
1.02046	0.64554	1.03664	0.64491	1.0362	0.645	1.00818
1.01428	0.66304	1.02469	0.66255	1.02193	0.66254	1.02019
1.01815	0.681	1.02015	0.68024	1.01862	0.68086	1.02891
1.03213	0.6987	1.0314	0.69767	1.03535	0.69866	1.02112
1.02415	0.71539	1.02171	0.71479	1.03493	0.71513	1.0209
1.02319	0.73181	1.02143	0.73105	1.01969	0.73158	1.01757
1.03193	0.74839	1.0385	0.74754	1.01837	0.74801	1.00662
1.03904	0.7661	1.01986	0.76521	1.02465	0.76553	1.01515
1.02857	0.78358	0.99712	0.78283	1.02318	0.78286	1.02146
1.01845	0.8006	1.01034	0.79992	1.02503	0.80001	1.02142
1.02043	0.81812	1.02734	0.81728	1.02117	0.81752	1.02418
1.02571	0.83516	1.03283	0.83469	1.03216	0.83498	1.01719
1.02169	0.85232	1.02692	0.8516	1.04179	0.8521	1.02284
1.01829	0.86961	1.01682	0.86877	1.0247	0.86922	1.03895
1.02818	0.88633	1.01985	0.88549	1.01933	0.88581	1.04078
1.03083	0.90282	1.03269	0.90214	1.03492	0.90266	1.03675
1.0396	0.92068	1.03859	0.9197	1.04025	0.92018	1.0462
1.04795	0.93839	1.0399	0.93738	1.02796	0.9378	1.04766
1.03143	0.95517	1.0325	0.95441	1.01922	0.9547	1.03634
1.02631	0.97201	1.01736	0.9712	1.0159	0.97155	1.03689
1.0329	0.98917	1.0187	0.98832	1.02858	0.98859	1.02875

1.03037	1.00629	1.03204	1.00539	1.04579	1.00555	1.01097
1.03094	1.02369	1.03806	1.02273	1.04283	1.02292	1.01922
1.03269	1.04082	1.04189	1.03989	1.03581	1.0404	1.05447
1.02669	1.05824	1.03771	1.05738	1.03737	1.05727	1.06962
1.01652	1.07548	1.03977	1.07476	1.03107	1.07469	1.04546
1.01998	1.09223	1.0397	1.09176	1.02741	1.09171	1.02351
1.03026	1.10948	1.03013	1.10873	1.02999	1.10897	1.03774
1.03637	1.12733	1.03439	1.12621	1.03563	1.12658	1.04228
1.0378	1.14482	1.03299	1.14379	1.03437	1.14394	1.03253
1.02818	1.16256	1.02946	1.16134	1.03416	1.16156	1.04475
1.0324	1.18012	1.03682	1.17897	1.04024	1.17955	1.05178
1.04527	1.19771	1.03064	1.19651	1.03087	1.19743	1.03427
1.043	1.21429	1.04554	1.2135	1.02766	1.21345	1.02177
1.03492	1.23071	1.04403	1.22987	1.02175	1.22962	1.02229
1.03394	1.24786	1.0303	1.24685	1.03353	1.24688	1.03282
1.04839	1.26533	1.04019	1.26423	1.04402	1.26453	1.04098
1.05466	1.28273	1.02908	1.28196	1.02514	1.28204	1.05148
1.04228	1.30041	1.02243	1.29947	1.03421	1.29984	1.05786
1.04057	1.3162	1.01857	1.31593	1.03532	1.31596	1.04257
1.03291	1.33256	1.02495	1.33194	1.01997	1.33178	1.03167
1.02428	1.34903	1.03376	1.34816	1.02239	1.34797	1.03769
1.01941	1.36539	1.03737	1.36424	1.00781	1.36437	1.05884
1.02226	1.38161	1.03775	1.38037	1.0044	1.38038	1.03636
1.03086	1.39896	1.02987	1.39718	1.02132	1.39736	1.02133
1.03733	1.41825	1.03292	1.41675	1.02942	1.4167	1.04722
1.03566	1.43687	1.03467	1.43598	1.02046	1.4358	1.05115
1.0315	1.45412	1.02941	1.45309	1.00796	1.45298	1.03539
1.039	1.47109	1.0298	1.47009	1.00767	1.47026	1.0379
1.03272	1.48828	1.02818	1.48718	1.02215	1.48766	1.04195
1.03802	1.50568	1.03714	1.50444	1.0236	1.50511	1.05263
1.03371	1.52323	1.04173	1.52216	1.01258	1.52263	1.05275
1.04322	1.54163	1.03552	1.5407	1.02565	1.54073	1.04464
1.05078	1.56021	1.03734	1.55914	1.05244	1.55912	1.0493
1.04909	1.57885	1.02419	1.57774	1.0603	1.57793	1.06089
1.05362	1.59753	1.02229	1.59654	1.04603	1.59637	1.05836
1.03978	1.61094	1.02345	1.61023	1.04244	1.61001	1.04154
1.03059	1.62512	1.02581	1.62411	1.03189	1.62419	1.04643
1.03387	1.64308	1.03666	1.64207	1.02166	1.64179	1.04843
1.03599	1.66095	1.02456	1.66005	1.02972	1.65969	1.05674
1.0408	1.67913	1.01962	1.67812	1.03724	1.67772	1.05969
1.03824	1.69706	1.02776	1.69631	1.03635	1.69609	1.0561
1.02279	1.71298	1.03503	1.7127	1.03505	1.71271	1.06048
1.02266	1.72838	1.03267	1.72792	1.02956	1.72797	1.05657
1.01835	1.74488	1.0234	1.74379	1.02721	1.74373	1.05212
1.01449	1.76137	1.00522	1.76045	1.02668	1.76021	1.05225
1.02274	1.778	1.00308	1.77695	1.021	1.77725	1.05505
1.02964	1.79476	1.02172	1.79381	1.0163	1.79404	1.04938

1.03717	1.81353	1.02444	1.81263	1.01883	1.81312	1.0347
1.04631	1.83238	1.01243	1.83152	1.02751	1.83174	1.04472
1.04131	1.85014	1.02219	1.84932	1.01855	1.84929	1.04988
1.05069	1.86774	1.04043	1.86688	1.01608	1.86669	1.04877
1.06048	1.88547	1.0379	1.88451	1.02798	1.88432	1.06183
1.04469	1.90172	1.02374	1.90102	1.02837	1.90148	1.049
1.04431	1.91774	1.00651	1.91666	1.02306	1.91669	1.03684
1.04174	1.93495	1.00315	1.93373	1.00651	1.93322	1.04787
1.033	1.95265	1.00293	1.9514	1.01406	1.95099	1.05541
1.02625	1.97021	1.00633	1.96924	1.03084	1.96893	1.03643
1.01595	1.98815	1.00994	1.98715	1.02757	1.98683	1.0408
1.01209	2.00235	1.00963	2.00179	1.01394	2.0019	1.04699
1.01128	2.00812	0.99696	2.00779	1.01176	2.00871	1.03007
1.00757	2.00976	0.99121	2.00927	1.01738	2.01032	1.02003
1.00573	2.01019	1.00417	2.00975	1.00758	2.01083	1.02251
1.00961	2.01032	0.99906	2.00992	1.00087	2.01099	1.03475
1.00859	2.01037	0.98281	2.00996	1.00586	2.01101	1.03643
1.00061	2.01038	0.97398	2.00998	1.01635	2.01098	1.02299
0.99674	2.01039	0.98052	2.01	1.01319	2.01104	1.0159

moH	T350K-PA	moH	T400K-PA	moH	T500K-PA	moH
2.01678	1.00651	7.00015	1.00595	7.005	0.98565	7.00002
2.01232	0.99709	6.80017	1.01105	6.80501	1.0224	6.80004
1.99914	0.997	6.60016	1.00495	6.605	1.02204	6.60004
1.98217	0.99485	6.40017	1.00869	6.405	1.02957	6.40003
1.96486	1.00081	6.20016	1.00708	6.205	1.02228	6.20005
1.94758	0.99543	6.00018	1.01469	6.00499	1.02171	6.00002
1.93018	0.97975	5.80014	1.0222	5.80498	1.02482	5.80004
1.91497	0.99469	5.60016	1.00759	5.60498	1.02628	5.60004
1.89935	1.00985	5.40017	1.01452	5.40501	1.02283	5.40004
1.88196	1.0056	5.20015	1.01106	5.20501	1.02696	5.20004
1.86469	1.00024	5.00017	1.00283	5.00501	1.02671	5.00004
1.84728	1.01063	4.80016	0.99401	4.80501	1.0324	4.80004
1.82874	1.0123	4.60015	1.0114	4.60502	1.02716	4.60004
1.80976	0.99523	4.40015	1.00893	4.40501	1.02478	4.40005
1.79233	0.97867	4.20016	1.01008	4.20502	1.02961	4.20006
1.7755	0.98205	4.00015	1.01249	4.00501	1.03634	4.00005
1.75849	0.98785	3.80017	1.01127	3.80499	1.02304	3.80002
1.74208	0.99372	3.60017	1.00923	3.60502	1.02881	3.60005
1.7277	1.00138	3.40017	1.01042	3.405	1.02599	3.40004
1.71202	1.00081	3.20017	1.01127	3.20501	1.02558	3.20006
1.69358	0.99965	3.00017	1.01061	3.005	1.02799	3.00003
1.67542	0.99479	2.80016	1.01266	2.805	1.02595	2.80004
1.65723	0.99478	2.60016	1.00969	2.605	1.02898	2.60005
1.63926	1.00427	2.40015	1.00766	2.40502	1.02412	2.40004
1.62514	1.02187	2.20016	1.00734	2.20501	1.02469	2.20004
1.61098	1.01721	2.00016	1.00749	2.00501	1.01814	2.00004
1.59365	1.00682	1.80015	1.00734	1.80501	1.0213	1.80003
1.57525	1.0186	1.60017	1.00455	1.60501	1.01668	1.60004
1.55675	1.00821	1.40015	0.99999	1.40502	0.99521	1.40003
1.53789	0.9973	1.30015	0.99726	1.30501	0.99879	1.30003
1.52027	1.0051	1.20016	0.99637	1.205	1.008	1.20004
1.50327	0.99153	1.10018	0.99819	1.10502	1.00452	1.10004
1.48539	0.98919	1.00017	0.98566	1.00501	1.00433	1.00002
1.46812	0.98621	0.90014	0.97965	0.90499	0.98295	0.90003
1.45087	0.97876	0.80015	0.96963	0.80499	0.98734	0.80005
1.43253	0.98014	0.70016	0.95628	0.70498	0.97639	0.70005
1.41336	0.98802	0.60015	0.94291	0.60502	0.96271	0.60003
1.39541	0.99815	0.50016	0.91412	0.505	0.94262	0.50004
1.37871	1.00228	0.40015	0.87246	0.40499	0.90514	0.40002
1.36256	0.99339	0.30017	0.79765	0.30501	0.83754	0.30004
1.34653	0.97987	0.28017	0.76958	0.20502	0.70862	0.20005
1.33061	0.99903	0.26015	0.74824	0.18501	0.65436	0.18004
1.31498	1.01945	0.24016	0.72102	0.16499	0.62236	0.16002
1.29786	1.03006	0.22015	0.6856	0.14498	0.57769	0.14001
1.28019	1.02402	0.20016	0.65901	0.12499	0.52889	0.12005
1.26247	1.00298	0.18018	0.62623	0.10498	0.47614	0.10004



1.24511	1.00266	0.16017	0.57532	0.08502	0.41642	0.08003
1.22891	1.00038	0.14013	0.53191	0.065	0.34804	0.06003
1.21234	0.98179	0.12017	0.49308	0.045	0.27637	0.04003
1.19489	1.00141	0.10017	0.43373	0.02503	0.20369	0.02005
1.17742	1.00743	0.08017	0.38377	0.00499	0.12128	2.33E-05
1.15989	0.9973	0.06014	0.32505	-0.01501	0.03024	-0.02
1.14192	1.00107	0.04017	0.24311	-0.03502	-0.06125	-0.03996
1.12402	0.99182	0.02016	0.19961	-0.05502	-0.16357	-0.05997
1.10674	0.98595	1.55E-04	0.1133	-0.07504	-0.2532	-0.07998
1.08981	0.98946	-0.01987	0.03002	-0.09499	-0.3262	-0.09995
1.07249	1.00246	-0.03984	-0.05476	-0.11502	-0.40097	-0.11996
1.0552	0.99504	-0.05985	-0.14073	-0.13502	-0.45639	-0.13996
1.03806	0.98017	-0.07986	-0.224	-0.155	-0.51713	-0.15997
1.02026	0.98135	-0.09985	-0.29316	-0.175	-0.56831	-0.17997
1.00301	0.99645	-0.11986	-0.35693	-0.19507	-0.61401	-0.19998
0.98608	0.99381	-0.13985	-0.41691	-0.295	-0.77841	-0.29998
0.96947	0.9872	-0.15982	-0.4711	-0.395	-0.86666	-0.39996
0.9528	0.99757	-0.17985	-0.52184	-0.495	-0.89918	-0.49996
0.93553	0.99992	-0.19989	-0.57155	-0.59504	-0.92894	-0.59994
0.91766	0.99823	-0.21986	-0.61577	-0.695	-0.94111	-0.69997
0.90067	0.99759	-0.23987	-0.65731	-0.795	-0.95146	-0.79996
0.88371	0.99787	-0.25988	-0.69548	-0.89498	-0.96531	-0.89997
0.86663	0.99998	-0.27984	-0.72917	-0.99501	-0.9653	-0.99998
0.8498	0.99528	-0.29985	-0.76073	-1.09499	-0.96845	-1.09995
0.83259	0.98934	-0.39983	-0.85202	-1.19498	-0.97047	-1.19995
0.81514	0.99688	-0.49985	-0.9022	-1.29498	-0.97379	-1.29997
0.7979	0.99729	-0.59982	-0.93146	-1.39498	-0.9761	-1.39996
0.78025	0.96941	-0.69985	-0.95125	-1.59498	-0.97658	-1.59997
0.7629	0.978	-0.79984	-0.9656	-1.795	-0.97918	-1.79996
0.74601	0.99027	-0.89986	-0.9747	-1.995	-0.97986	-1.99994
0.72942	0.98128	-0.99986	-0.98192	-2.195	-0.98294	-2.19995
0.71304	0.97877	-1.09984	-0.98566	-2.395	-0.98311	-2.39996
0.69589	0.97698	-1.19983	-0.99091	-2.595	-0.98295	-2.59995
0.67757	0.98091	-1.29982	-0.99347	-2.79498	-0.9858	-2.79996
0.65976	0.98642	-1.39983	-0.99423	-2.995	-0.98365	-2.99995
0.6426	0.98255	-1.59985	-0.99719	-3.195	-0.98575	-3.19996
0.62669	0.98446	-1.79985	-0.99887	-3.39498	-0.98466	-3.39996
0.61031	0.99774	-1.99986	-1.00084	-3.59498	-0.98439	-3.59998
0.59286	0.98524	-2.19983	-1.00132	-3.795	-0.98486	-3.79996
0.5759	0.98034	-2.39984	-1.00317	-3.99499	-0.98404	-3.99996
0.55843	0.98432	-2.59983	-1.00342	-4.19498	-0.98344	-4.19995
0.54095	0.96933	-2.79984	-1.00172	-4.39499	-0.98111	-4.39996
0.5248	0.96146	-2.99984	-1.00512	-4.59499	-0.98375	-4.59998
0.50757	0.97116	-3.19983	-1.00498	-4.79499	-0.97999	-4.79994
0.48955	0.9676	-3.39983	-1.00366	-4.99499	-0.98423	-4.99995
0.47093	0.9566	-3.59985	-1.00347	-5.19499	-0.98221	-5.19997
0.45294	0.94736	-3.79983	-1.00319	-5.395	-0.98395	-5.39994

0.43615	0.95071	-3.99984	-1.00436	-5.59501	-0.97979	-5.59995
0.41937	0.96186	-4.19983	-1.00447	-5.795	-0.97807	-5.79997
0.40254	0.94424	-4.39983	-1.0022	-5.99499	-0.98788	-5.99997
0.38564	0.92423	-4.59985	-1.00342	-6.195	-0.97722	-6.19996
0.36863	0.92407	-4.79983	-1.00144	-6.39499	-0.98084	-6.39995
0.35133	0.92634	-4.99984	-1.00041	-6.59498	-0.97653	-6.59994
0.33364	0.91948	-5.19985	-1.00016	-6.795	-0.98058	-6.79997
0.31565	0.90254	-5.39982	-0.99914	-6.99498	-0.97868	-6.99998
0.2982	0.89664	-5.59985	-0.99838	-6.99501	-0.98011	-6.99997
0.28096	0.89499	-5.79986	-1.00014	-6.79499	-0.98082	-6.79995
0.26425	0.87747	-5.99983	-1.00033	-6.59501	-0.97998	-6.59995
0.24693	0.87521	-6.19984	-0.99763	-6.395	-0.97871	-6.39996
0.22894	0.86743	-6.39984	-0.99576	-6.195	-0.98176	-6.19997
0.21122	0.8545	-6.59984	-0.99922	-5.995	-0.983	-5.99994
0.19349	0.8237	-6.79983	-0.9995	-5.79498	-0.97124	-5.79995
0.17572	0.77979	-6.99985	-1.00393	-5.595	-0.9833	-5.59994
0.15877	0.77727	-6.99985	-0.997	-5.39498	-0.97115	-5.39995
0.14188	0.75939	-6.79983	-1.00332	-5.19498	-0.98556	-5.19996
0.12403	0.73481	-6.59984	-0.99908	-4.99497	-0.98501	-4.99997
0.10615	0.71141	-6.39983	-1.00748	-4.795	-0.97841	-4.79996
0.08787	0.65287	-6.19982	-1.00415	-4.59499	-0.987	-4.59995
0.07012	0.61421	-5.99983	-1.00086	-4.39499	-0.98596	-4.39996
0.05315	0.56474	-5.79983	-1.00452	-4.19499	-0.99025	-4.19996
0.03669	0.472	-5.59984	-1.00116	-3.99498	-0.98073	-3.99995
0.01784	0.38154	-5.39984	-1.0044	-3.79498	-0.96	-3.79995
-0.00202	0.28978	-5.19983	-1.00355	-3.595	-0.98543	-3.59994
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T550K-PA	moH	T600K-PA	moH	T650K-PA	moH	T700K-PA
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0.99306	6.80081	1.02645	6.79979	1.03747	6.79825	1.04034
0.99584	6.6008	1.02693	6.59978	1.0364	6.59825	1.03889
0.99694	6.40081	1.02404	6.39977	1.0363	6.39825	1.05658
0.99685	6.20083	0.9975	6.19978	1.03436	6.19826	1.03896
0.99708	6.00079	1.02497	5.99978	1.03716	5.99826	1.05132
0.99953	5.80083	1.02088	5.79978	1.03939	5.79823	1.0552
0.99881	5.60082	1.01818	5.59977	1.03964	5.59825	1.04945
1.00402	5.40082	1.02355	5.39979	1.03871	5.39826	1.05292
1.001	5.20081	1.03167	5.19978	1.03886	5.19826	1.05264
1.0018	5.00082	1.02545	4.99978	1.04068	4.99826	1.06667
1.00507	4.80082	1.02838	4.79978	1.04371	4.79825	1.05009
1.00307	4.60082	1.03288	4.59979	1.04356	4.59824	1.04766
1.00558	4.40083	1.02619	4.39977	1.04057	4.39826	1.05796
1.00449	4.20084	1.02832	4.19979	1.04196	4.19825	1.0621
1.00423	4.00083	1.02876	3.9998	1.04102	3.99826	1.05749
1.00407	3.80082	1.04675	3.79979	1.0488	3.79826	1.05731
1.00768	3.60083	1.03729	3.59977	1.03905	3.59826	1.04427
1.00306	3.40082	1.02152	3.39979	1.05195	3.39826	1.06535
1.00208	3.20082	1.02081	3.19978	1.04062	3.19824	1.05668
1.00159	3.00083	1.04045	2.99977	1.04189	2.99826	1.06011
1.00128	2.80082	1.02062	2.79978	1.04199	2.79825	1.05725
0.99977	2.60082	1.02078	2.59978	1.03915	2.59824	1.05582
1.00616	2.40081	1.03255	2.3998	1.0351	2.39823	1.06106
1.00014	2.20082	1.01593	2.19978	1.03359	2.19826	1.01566
0.9718	2.00082	1.01564	1.99978	1.03928	1.99825	1.0428
0.99966	1.80081	1.00671	1.79978	1.02662	1.79824	1.04175
0.99447	1.60083	1.0108	1.59978	1.02023	1.59824	1.03027
0.99187	1.40081	0.97951	1.39978	1.01642	1.39825	1.02979
0.99552	1.30081	0.99399	1.29979	1.00995	1.29826	1.02154
0.94869	1.20082	0.99233	1.19975	1.00684	1.19823	1.02281
0.99048	1.10082	1.00262	1.09976	1.00222	1.09822	0.99922
0.97988	1.00083	0.98544	0.9998	0.99763	0.99824	1.00036
0.98031	0.90081	0.97973	0.89977	0.99164	0.89821	0.9809
0.96496	0.80081	0.95344	0.79977	0.98841	0.79824	0.97478
0.97962	0.70081	0.96494	0.6998	0.96532	0.69825	0.96842
0.94838	0.60082	0.95873	0.59979	0.96614	0.59826	0.94622
0.92864	0.5008	0.94304	0.49977	0.94153	0.49824	0.93254
0.89934	0.40084	0.91147	0.39977	0.92086	0.39824	0.89413
0.83948	0.30081	0.86017	0.29978	0.91323	0.29823	0.83171
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0.58065	0.14078	0.60931	0.13974	0.64881	0.1382	0.63736
0.53243	0.12082	0.56803	0.11974	0.60057	0.11821	0.60403
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0.42728	0.0808	0.44616	0.07976	0.45962	0.07823	0.44554
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-0.51366	-0.11926	-0.5263	-0.12028	-0.55642	-0.12182	-0.53256
-0.46018	-0.09925	-0.45635	-0.10028	-0.49853	-0.10181	-0.46415
-0.39954	-0.07922	-0.4029	-0.08027	-0.4209	-0.0818	-0.41717
-0.32894	-0.05926	-0.32713	-0.06028	-0.35243	-0.06181	-0.34706
-0.25678	-0.03923	-0.2494	-0.04027	-0.25895	-0.0418	-0.28514
-0.18038	-0.01925	-0.16497	-0.02029	-0.16355	-0.0218	-0.23553
-0.10828	7.61E-04	-0.06537	-2.45E-04	-0.04325	-0.00183	-0.01174
0.00899	0.02078	0.0452	0.01971	0.08131	0.01819	0.12802
0.11621	0.04075	0.15076	0.03974	0.20064	0.03823	0.25802
0.21296	0.06077	0.25675	0.05974	0.31632	0.05818	0.38257
0.30434	0.08079	0.35643	0.07971	0.42195	0.0782	0.4981
0.37738	0.10075	0.4387	0.09972	0.51675	0.0982	0.57188
0.45202	0.12077	0.51109	0.11976	0.58233	0.11822	0.64113
0.51651	0.14076	0.57825	0.1397	0.65792	0.13819	0.68411
0.57527	0.16075	0.64122	0.15972	0.70933	0.15821	0.72478
0.6328	0.18077	0.6948	0.17974	0.75849	0.17823	0.7633
0.67993	0.20082	0.73636	0.19975	0.78832	0.19823	0.80592
0.82103	0.30082	0.8552	0.29978	0.87016	0.29825	0.84804
0.89354	0.4008	0.91386	0.39978	0.92486	0.39824	0.89656
0.92816	0.50082	0.94073	0.49973	0.94651	0.49825	0.92909
0.94371	0.60082	0.95479	0.59978	0.95745	0.59826	0.9434
0.95678	0.70083	0.96716	0.69977	0.9699	0.69826	0.96119
0.96468	0.8008	0.97203	0.79976	0.97857	0.79824	0.9719
0.97397	0.90077	0.98148	0.89978	0.98715	0.89825	0.98917
0.97641	1.0008	0.98332	0.99977	0.98989	0.99824	0.98637
0.98297	1.1008	0.99181	1.09976	0.99322	1.09823	0.99719
0.9846	1.20082	0.99255	1.19977	1.00051	1.19825	1.00157
0.98697	1.30082	0.99588	1.29978	1.00684	1.29826	1.00687
0.98671	1.40082	0.99781	1.39978	1.00751	1.39825	1.01181
0.98775	1.60081	0.9995	1.59977	1.00819	1.59824	1.01442
0.99007	1.80081	1.00265	1.79977	1.01053	1.79824	1.01959
0.99157	2.00081	1.00455	1.99977	1.01353	1.99824	1.02232
0.99282	2.20084	1.00708	2.19978	1.01683	2.19825	1.02617
0.99239	2.40082	1.01067	2.3998	1.01996	2.39826	1.03156
0.99459	2.60082	1.01115	2.59978	1.02004	2.59824	1.0306
0.99345	2.80081	1.01216	2.79978	1.02479	2.79825	1.03437
0.99444	3.00081	1.0149	2.99978	1.02084	2.99825	1.03339
0.99275	3.20084	1.01441	3.19977	1.0233	3.19826	1.03755
0.99139	3.40084	1.01534	3.39977	1.02095	3.39824	1.03423
0.98955	3.60082	1.01586	3.59978	1.02335	3.59824	1.03781
0.98975	3.80082	1.01325	3.79979	1.02777	3.79825	1.03154
0.99169	4.00081	1.0134	3.99978	1.01693	3.99826	1.0331

0.98606	4.20082	1.01682	4.19977	1.02629	4.19824	1.02501
0.98059	4.40083	1.01821	4.3998	1.02571	4.39825	1.02401
0.98687	4.60084	1.01255	4.59978	1.03228	4.59826	1.02586
0.9863	4.80083	1.00896	4.7998	1.02552	4.79824	1.02643
0.98388	5.00081	1.01394	4.99978	1.01713	4.99825	1.02987
0.98299	5.20081	1.01966	5.19979	1.019	5.19825	1.01745
0.98323	5.40082	1.01405	5.39979	1.0207	5.39824	1.02274
0.98241	5.60082	1.01825	5.59978	1.01812	5.59825	1.00839
0.98542	5.80083	1.01528	5.79979	1.01474	5.79826	1.01064
0.98341	6.00083	1.0171	5.99979	1.01605	5.99826	1.01204
0.98418	6.20082	1.01475	6.19978	1.01033	6.19826	1.00783
0.9836	6.40084	1.01637	6.39977	1.0121	6.39824	1.00503
0.98074	6.60083	1.02034	6.59979	1.00864	6.59824	1.00628
0.97837	6.80082	1.01598	6.79978	1.00832	6.79825	0.99853
0.98184	7.00082	1.01801	6.99978	1.01364	6.99825	0.99421















moH	T750K-PA	moH	T800K-PA
6.99326	0.99165	7.00745	1.05222
6.79326	1.023	6.80744	1.08246
6.59327	1.02578	6.60745	1.05259
6.39326	1.0574	6.40744	1.0634
6.19327	1.01804	6.20747	1.05787
5.99326	1.03105	6.00745	1.04921
5.79324	1.05084	5.80745	1.05419
5.59327	1.0306	5.60746	1.06749
5.39327	1.05614	5.40747	1.05139
5.19326	1.05019	5.20746	1.05002
4.99326	1.00189	5.00746	1.06288
4.79326	1.05804	4.80744	1.03534
4.59326	1.0335	4.60745	1.0631
4.39327	1.06237	4.40747	1.02631
4.19327	1.03298	4.20746	1.0548
3.99325	1.06836	4.00745	1.04692
3.79327	1.06605	3.80745	0.99781
3.59327	1.07862	3.60744	1.06362
3.39327	1.05842	3.40745	1.03532
3.19325	1.0617	3.20746	1.04787
2.99327	1.05122	3.00747	1.05738
2.79325	1.04532	2.80745	1.04839
2.59325	1.04351	2.60746	1.07739
2.39327	1.04182	2.40747	1.05564
2.19326	1.03181	2.20746	1.03583
1.99325	1.00611	2.00745	1.03005
1.79327	0.99713	1.80745	1.13257
1.59325	1.01062	1.60744	1.02152
1.39328	0.94097	1.40745	1.02384
1.29325	0.98655	1.30745	1.00276
1.19326	0.97437	1.20744	1.02761
1.09326	0.97724	1.10744	0.99155
0.99326	0.9955	1.00745	0.99294
0.89327	0.94683	0.90745	0.98518
0.79327	0.92711	0.80745	0.97279
0.69325	0.91431	0.70746	0.99727
0.59327	0.8885	0.60745	0.95443
0.49327	0.86044	0.50746	0.93817
0.39325	0.83447	0.40746	0.90474
0.29327	0.77804	0.30746	0.84735
0.19325	0.63872	0.20746	0.74714
0.17325	0.56829	0.18746	0.65209
0.15327	0.54409	0.16744	0.62835
0.13326	0.50739	0.14742	0.77342
0.11325	0.47128	0.12743	0.4766
0.09327	0.41703	0.10744	0.54596

0.07327	0.37468	0.08743	0.40841
0.05325	0.3137	0.06747	0.36421
0.03327	0.24163	0.04746	0.27065
0.01325	0.22588	0.02744	0.19713
-0.00672	0.07454	0.00746	0.03834
-0.02676	-0.05593	-0.01255	-0.08595
-0.04679	-0.15863	-0.03256	-0.20502
-0.06674	-0.27562	-0.05256	-0.35545
-0.08675	-0.39343	-0.07256	-0.47651
-0.10676	-0.46963	-0.09254	-0.56283
-0.12673	-0.52049	-0.11255	-0.62282
-0.14674	-0.55971	-0.13255	-0.66828
-0.16677	-0.60877	-0.15253	-0.7038
-0.18672	-0.64084	-0.17256	-0.73892
-0.20681	-0.67261	-0.19256	-0.78213
-0.30673	-0.73453	-0.29257	-0.81968
-0.40673	-0.77421	-0.39255	-0.88475
-0.50674	-0.83147	-0.49256	-0.89118
-0.60674	-0.85739	-0.59255	-0.91837
-0.70675	-0.88172	-0.69255	-0.94549
-0.80674	-0.89451	-0.79255	-0.94507
-0.90674	-0.90193	-0.89256	-0.9482
-1.00674	-0.92685	-0.99257	-0.94404
-1.10675	-0.92065	-1.09255	-0.93829
-1.20674	-0.94249	-1.19258	-0.97295
-1.30672	-0.9248	-1.29257	-0.97579
-1.40675	-0.95585	-1.39255	-0.9732
-1.60673	-0.95905	-1.59254	-0.98445
-1.80673	-0.97098	-1.79254	-0.98108
-2.00674	-0.97933	-1.99256	-0.98232
-2.20673	-0.98272	-2.19255	-0.98514
-2.40674	-0.99501	-2.39257	-0.98855
-2.60673	-0.99683	-2.59254	-0.98518
-2.80675	-1.001	-2.79255	-0.99834
-3.00674	-0.99996	-2.99255	-0.99541
-3.20675	-0.99985	-3.19256	-0.99225
-3.40673	-1.0013	-3.39253	-0.9893
-3.60673	-1.00724	-3.59255	-0.99751
-3.80674	-1.00209	-3.79254	-0.9948
-4.00673	-1.00408	-3.99254	-0.9974
-4.20672	-0.99324	-4.19254	-0.98676
-4.40674	-0.98989	-4.39254	-1.00953
-4.60675	-0.98502	-4.59255	-1.00072
-4.80673	-0.99177	-4.79257	-0.97875
-5.00674	-0.98765	-4.99257	-0.99529
-5.20672	-0.97645	-5.19254	-0.99596
-5.40672	-0.99114	-5.39255	-1.00999

-5.60675	-0.96983	-5.59255	-0.99996
-5.80674	-0.96846	-5.79256	-0.9925
-6.00674	-0.96954	-5.99255	-1.00152
-6.20674	-0.96427	-6.19256	-1.00409
-6.40675	-0.96186	-6.39255	-1.01743
-6.60676	-0.9473	-6.59257	-1.00011
-6.80673	-0.93899	-6.79254	-1.00272
-7.00676	-0.94821	-6.99254	-1.01693
-7.00676	-0.9388	-6.99254	-0.99975
-6.80674	-0.96177	-6.79256	-1.00494
-6.60673	-0.96053	-6.59257	-1.00967
-6.40675	-0.97363	-6.39253	-0.93306
-6.20675	-1.01334	-6.19254	-0.99399
-6.00673	-0.9709	-5.99253	-1.02922
-5.80673	-0.97432	-5.79254	-1.01769
-5.60673	-0.99095	-5.59254	-1.00555
-5.40674	-0.93319	-5.39255	-1.068
-5.20675	-0.99335	-5.19256	-0.93909
-5.00673	-1.01286	-4.99253	-1.02
-4.80673	-0.99835	-4.79255	-1.00908
-4.60675	-1.01781	-4.59256	-0.96336
-4.40673	-1.01016	-4.39255	-1.0071
-4.20674	-0.98948	-4.19255	-1.00496
-4.00674	-1.00468	-3.99255	-1.00478
-3.80672	-1.00201	-3.79257	-1.01393
-3.60675	-1.01001	-3.59257	-1.02297
-3.40678	-1.0024	-3.39256	-1.02618
-3.20675	-0.99894	-3.19253	-0.82699
-3.00677	-1.01202	-2.99258	-0.99884
-2.80681	-0.95968	-2.79262	-0.99103
-2.60674	-1.09332	-2.59254	-0.997
-2.40677	-0.99731	-2.39262	-1.00282
-2.20682	-0.95753	-2.19255	-0.94608
-2.00679	-0.98727	-1.99262	-0.98629
-1.8068	-1.01196	-1.79263	-0.96815
-1.60679	-0.92813	-1.5926	-1.06852
-1.40682	-0.99505	-1.39259	-0.97092
-1.30681	-0.94787	-1.29262	-0.97863
-1.20677	-0.97088	-1.1926	-0.9355
-1.10678	-0.92565	-1.0926	-0.94458
-1.00681	-0.91866	-0.99263	-0.94084
-0.90677	-0.90185	-0.89258	-0.94938
-0.80679	-0.88137	-0.7926	-0.9284
-0.70681	-0.88861	-0.69262	-0.85779
-0.60679	-0.8569	-0.59263	-0.90299
-0.50681	-0.82716	-0.4926	-0.86488
-0.40681	-0.78996	-0.39259	-0.84796



-0.30679	-0.73003	-0.29262	-0.79569
-0.20682	-0.62661	-0.19261	-0.71438
-0.1868	-0.5539	-0.17262	-0.61766
-0.16681	-0.38778	-0.15261	-0.59452
-0.1468	-0.48391	-0.13258	-0.55682
-0.12681	-0.4402	-0.11261	-0.48975
-0.10681	-0.38159	-0.0926	-0.44865
-0.0868	-0.27928	-0.07259	-0.40767
-0.06679	-0.2821	-0.05263	-0.32577
-0.0468	-0.20498	-0.03259	-0.23159
-0.02681	-0.14152	-0.01263	-0.14033
-0.0068	-0.03004	0.00738	-0.00871
0.01322	0.09991	0.02741	0.11367
0.03321	0.20989	0.04742	0.25128
0.05321	0.33096	0.06737	0.36462
0.07323	0.40822	0.08739	0.497
0.09319	0.50177	0.10742	0.61101
0.1132	0.55285	0.12738	0.64532
0.13322	0.60481	0.14738	0.69245
0.15324	0.65134	0.16739	0.73004
0.17321	0.69455	0.18739	0.77799
0.19326	0.72164	0.20744	0.80643
0.29327	0.78366	0.30744	0.8467
0.39325	0.84426	0.40741	0.90202
0.49327	0.8811	0.50744	0.93921
0.59327	0.88311	0.60745	0.95277
0.69327	0.92986	0.70745	0.96051
0.79324	0.97767	0.80744	0.97669
0.89326	0.95766	0.90739	0.99495
0.99325	0.96775	1.00746	0.97281
1.09326	0.97557	1.10744	0.99688
1.19327	0.97777	1.20746	1.00315
1.29327	0.99037	1.30746	1.00303
1.39327	0.99809	1.40746	0.99896
1.59325	1.00211	1.60745	1.00024
1.79326	1.00805	1.80745	1.00238
1.99326	1.01677	2.00745	1.01006
2.19325	1.02807	2.20744	1.01289
2.39327	1.0236	2.40746	1.01361
2.59326	1.02881	2.60744	1.01958
2.79326	1.02879	2.80746	1.02212
2.99327	1.03354	3.00746	1.01358
3.19326	1.032	3.20746	1.01541
3.39324	1.02817	3.40746	1.01598
3.59326	1.03185	3.60745	1.01838
3.79326	1.0278	3.80745	1.02806
3.99327	1.02354	4.00746	1.05325

4.19326	1.02889	4.20745	1.01533
4.39326	1.01935	4.40746	1.02305
4.59325	1.0324	4.60744	1.04047
4.79325	1.00089	4.80746	1.02759
4.99325	1.00964	5.00746	1.03609
5.19326	1.01393	5.20746	1.03364
5.39327	1.00048	5.40746	1.02392
5.59326	0.99573	5.60745	1.03209
5.79324	0.99875	5.80747	1.01736
5.99327	0.98946	6.00746	1.35416
6.19327	0.98473	6.20746	1.00781
6.39325	0.97615	6.40745	1.01905
6.59325	0.97986	6.60744	1.01712
6.79326	0.97734	6.80745	1.02379
6.99326	0.97821	7.00745	1.02333

**Figure 7**

T	Hc	S
5	77.26942	0.3945
10	76.36645	0.41404
20	72.22066	0.39932
40	65.70018	0.37081
50	62.38682	0.3614
60	60.81031	0.34912
80	60.34203	0.34554
100	60.56196	0.34122
120	58.5	0.33238
150	58.90667	0.33665
200	55.75816	0.32879
300	51.98058	0.31611
350	51.8	0.29016
400	50.1427	0.2812
500	44.8247	0.27337
550	43.8304	0.27549
600	40.8874	0.25145
650	35.2812	0.2299
700	31.91855	0.21348
750	31.69002	0.22229
800	29.73964	0.19352

**Figure 8**

T	Ms	T_fit	Ms_fit
	60	0.89772	1 0.98789
	80	0.88811	2 0.9858
	100	0.86888	3 0.98374
	120	0.86367	4 0.98171
	150	0.84952	5 0.9797
	200	0.83083	6 0.97772
	300	0.80641	7 0.97576
	350	0.80042	8 0.97382
	400	0.77296	9 0.97191
	500	0.65664	10 0.97002
	550	0.57472	11 0.96816
	600	0.48845	12 0.96632
	650	0.36096	13 0.9645
	700	0.21885	14 0.96271
	750	0.08555	15 0.96093
	800	0.02799	16 0.95918
			17 0.95746
			18 0.95575
			19 0.95406
			20 0.9524
			21 0.95075
			22 0.94913
			23 0.94752
			24 0.94594
			25 0.94437
			26 0.94283
			27 0.9413
			28 0.9398
			29 0.93831
			30 0.93684
			31 0.93539
			32 0.93395
			33 0.93254
			34 0.93114
			35 0.92976
			36 0.9284
			37 0.92705
			38 0.92572
			39 0.92441
			40 0.92311
			41 0.92183
			42 0.92056
			43 0.91931
			44 0.91808
			45 0.91686

46	0.91566
47	0.91447
48	0.9133
49	0.91214
50	0.91099
51	0.90986
52	0.90874
53	0.90764
54	0.90655
55	0.90548
56	0.90441
57	0.90337
58	0.90233
59	0.90131
60	0.9003
61	0.8993
62	0.89831
63	0.89734
64	0.89638
65	0.89543
66	0.89449
67	0.89356
68	0.89265
69	0.89175
70	0.89085
71	0.88997
72	0.8891
73	0.88824
74	0.88739
75	0.88655
76	0.88573
77	0.88491
78	0.8841
79	0.8833
80	0.88251
81	0.88173
82	0.88097
83	0.88021
84	0.87946
85	0.87872
86	0.87798
87	0.87726
88	0.87655
89	0.87584
90	0.87514
91	0.87446
92	0.87378

93	0.87311
94	0.87244
95	0.87179
96	0.87114
97	0.8705
98	0.86987
99	0.86925
100	0.86863
101	0.86802
102	0.86742
103	0.86683
104	0.86624
105	0.86566
106	0.86509
107	0.86452
108	0.86396
109	0.86341
110	0.86286
111	0.86232
112	0.86179
113	0.86126
114	0.86074
115	0.86023
116	0.85972
117	0.85922
118	0.85872
119	0.85823
120	0.85775
121	0.85727
122	0.8568
123	0.85633
124	0.85587
125	0.85541
126	0.85496
127	0.85451
128	0.85407
129	0.85364
130	0.85321
131	0.85278
132	0.85236
133	0.85194
134	0.85153
135	0.85112
136	0.85072
137	0.85032
138	0.84993
139	0.84954

140	0.84916
141	0.84878
142	0.8484
143	0.84803
144	0.84766
145	0.8473
146	0.84694
147	0.84658
148	0.84623
149	0.84588
150	0.84554
151	0.8452
152	0.84486
153	0.84452
154	0.84419
155	0.84387
156	0.84354
157	0.84322
158	0.8429
159	0.84259
160	0.84228
161	0.84197
162	0.84167
163	0.84136
164	0.84107
165	0.84077
166	0.84048
167	0.84019
168	0.8399
169	0.83961
170	0.83933
171	0.83905
172	0.83877
173	0.8385
174	0.83822
175	0.83795
176	0.83769
177	0.83742
178	0.83716
179	0.8369
180	0.83664
181	0.83638
182	0.83612
183	0.83587
184	0.83562
185	0.83537
186	0.83512

187	0.83488
188	0.83463
189	0.83439
190	0.83415
191	0.83391
192	0.83368
193	0.83344
194	0.83321
195	0.83297
196	0.83274
197	0.83251
198	0.83228
199	0.83206
200	0.83183
201	0.83161
202	0.83138
203	0.83116
204	0.83094
205	0.83072
206	0.8305
207	0.83028
208	0.83006
209	0.82985
210	0.82963
211	0.82942
212	0.8292
213	0.82899
214	0.82878
215	0.82856
216	0.82835
217	0.82814
218	0.82793
219	0.82772
220	0.82751
221	0.82731
222	0.8271
223	0.82689
224	0.82668
225	0.82647
226	0.82627
227	0.82606
228	0.82585
229	0.82565
230	0.82544
231	0.82523
232	0.82503
233	0.82482



234	0.82461
235	0.82441
236	0.8242
237	0.824
238	0.82379
239	0.82358
240	0.82337
241	0.82317
242	0.82296
243	0.82275
244	0.82254
245	0.82233
246	0.82212
247	0.82191
248	0.8217
249	0.82149
250	0.82128
251	0.82107
252	0.82086
253	0.82064
254	0.82043
255	0.82021
256	0.82
257	0.81978
258	0.81956
259	0.81934
260	0.81912
261	0.8189
262	0.81868
263	0.81846
264	0.81824
265	0.81801
266	0.81779
267	0.81756
268	0.81733
269	0.8171
270	0.81687
271	0.81664
272	0.81641
273	0.81617
274	0.81594
275	0.8157
276	0.81546
277	0.81522
278	0.81498
279	0.81473
280	0.81449

281	0.81424
282	0.81399
283	0.81374
284	0.81349
285	0.81324
286	0.81298
287	0.81272
288	0.81247
289	0.8122
290	0.81194
291	0.81168
292	0.81141
293	0.81114
294	0.81087
295	0.8106
296	0.81032
297	0.81004
298	0.80976
299	0.80948
300	0.8092
301	0.80891
302	0.80862
303	0.80833
304	0.80803
305	0.80774
306	0.80744
307	0.80714
308	0.80683
309	0.80653
310	0.80622
311	0.80591
312	0.80559
313	0.80527
314	0.80495
315	0.80463
316	0.80431
317	0.80398
318	0.80365
319	0.80331
320	0.80298
321	0.80263
322	0.80229
323	0.80194
324	0.8016
325	0.80124
326	0.80089
327	0.80053

328	0.80017
329	0.7998
330	0.79943
331	0.79906
332	0.79868
333	0.7983
334	0.79792
335	0.79753
336	0.79714
337	0.79675
338	0.79635
339	0.79595
340	0.79555
341	0.79514
342	0.79473
343	0.79432
344	0.7939
345	0.79347
346	0.79305
347	0.79261
348	0.79218
349	0.79174
350	0.7913
351	0.79085
352	0.7904
353	0.78994
354	0.78948
355	0.78902
356	0.78855
357	0.78808
358	0.7876
359	0.78712
360	0.78664
361	0.78615
362	0.78565
363	0.78516
364	0.78465
365	0.78414
366	0.78363
367	0.78311
368	0.78259
369	0.78207
370	0.78153
371	0.781
372	0.78046
373	0.77991
374	0.77936

375	0.7788
376	0.77824
377	0.77768
378	0.77711
379	0.77653
380	0.77595
381	0.77536
382	0.77477
383	0.77417
384	0.77357
385	0.77296
386	0.77235
387	0.77173
388	0.77111
389	0.77048
390	0.76984
391	0.7692
392	0.76856
393	0.76791
394	0.76725
395	0.76659
396	0.76592
397	0.76524
398	0.76456
399	0.76388
400	0.76318
401	0.76249
402	0.76178
403	0.76107
404	0.76036
405	0.75963
406	0.75891
407	0.75817
408	0.75743
409	0.75668
410	0.75593
411	0.75517
412	0.75441
413	0.75363
414	0.75286
415	0.75207
416	0.75128
417	0.75048
418	0.74968
419	0.74887
420	0.74805
421	0.74722

422	0.74639
423	0.74555
424	0.74471
425	0.74386
426	0.743
427	0.74213
428	0.74126
429	0.74038
430	0.7395
431	0.7386
432	0.7377
433	0.7368
434	0.73588
435	0.73496
436	0.73403
437	0.73309
438	0.73215
439	0.7312
440	0.73024
441	0.72928
442	0.7283
443	0.72732
444	0.72633
445	0.72534
446	0.72434
447	0.72333
448	0.72231
449	0.72128
450	0.72025
451	0.71921
452	0.71816
453	0.7171
454	0.71603
455	0.71496
456	0.71388
457	0.71279
458	0.7117
459	0.71059
460	0.70948
461	0.70836
462	0.70723
463	0.70609
464	0.70495
465	0.70379
466	0.70263
467	0.70146
468	0.70028

469	0.6991
470	0.6979
471	0.6967
472	0.69549
473	0.69427
474	0.69304
475	0.6918
476	0.69056
477	0.6893
478	0.68804
479	0.68677
480	0.68549
481	0.6842
482	0.6829
483	0.6816
484	0.68028
485	0.67896
486	0.67763
487	0.67628
488	0.67493
489	0.67358
490	0.67221
491	0.67083
492	0.66945
493	0.66805
494	0.66665
495	0.66524
496	0.66381
497	0.66238
498	0.66094
499	0.65949
500	0.65804
501	0.65657
502	0.65509
503	0.65361
504	0.65211
505	0.65061
506	0.6491
507	0.64757
508	0.64604
509	0.6445
510	0.64295
511	0.64139
512	0.63982
513	0.63824
514	0.63665
515	0.63506

516	0.63345
517	0.63184
518	0.63021
519	0.62857
520	0.62693
521	0.62528
522	0.62361
523	0.62194
524	0.62026
525	0.61857
526	0.61687
527	0.61515
528	0.61343
529	0.6117
530	0.60997
531	0.60822
532	0.60646
533	0.60469
534	0.60291
535	0.60112
536	0.59933
537	0.59752
538	0.59571
539	0.59388
540	0.59205
541	0.5902
542	0.58835
543	0.58648
544	0.58461
545	0.58273
546	0.58083
547	0.57893
548	0.57702
549	0.5751
550	0.57317
551	0.57123
552	0.56928
553	0.56732
554	0.56535
555	0.56337
556	0.56139
557	0.55939
558	0.55738
559	0.55537
560	0.55334
561	0.55131
562	0.54926

563	0.54721
564	0.54515
565	0.54307
566	0.54099
567	0.5389
568	0.5368
569	0.53469
570	0.53257
571	0.53045
572	0.52831
573	0.52616
574	0.52401
575	0.52184
576	0.51967
577	0.51749
578	0.5153
579	0.5131
580	0.51089
581	0.50867
582	0.50644
583	0.50421
584	0.50196
585	0.49971
586	0.49745
587	0.49518
588	0.4929
589	0.49061
590	0.48832
591	0.48601
592	0.4837
593	0.48138
594	0.47905
595	0.47671
596	0.47436
597	0.47201
598	0.46964
599	0.46727
600	0.4649
601	0.46251
602	0.46011
603	0.45771
604	0.4553
605	0.45288
606	0.45046
607	0.44803
608	0.44559
609	0.44314



610	0.44068
611	0.43822
612	0.43575
613	0.43327
614	0.43079
615	0.4283
616	0.4258
617	0.42329
618	0.42078
619	0.41826
620	0.41574
621	0.41321
622	0.41067
623	0.40813
624	0.40557
625	0.40302
626	0.40046
627	0.39789
628	0.39531
629	0.39273
630	0.39015
631	0.38755
632	0.38496
633	0.38235
634	0.37975
635	0.37713
636	0.37452
637	0.37189
638	0.36927
639	0.36663
640	0.364
641	0.36135
642	0.35871
643	0.35606
644	0.3534
645	0.35075
646	0.34808
647	0.34542
648	0.34275
649	0.34007
650	0.3374
651	0.33472
652	0.33203
653	0.32935
654	0.32666
655	0.32397
656	0.32127

657	0.31858
658	0.31588
659	0.31318
660	0.31048
661	0.30777
662	0.30506
663	0.30236
664	0.29965
665	0.29694
666	0.29423
667	0.29151
668	0.2888
669	0.28609
670	0.28337
671	0.28066
672	0.27794
673	0.27523
674	0.27252
675	0.2698
676	0.26709
677	0.26438
678	0.26167
679	0.25896
680	0.25625
681	0.25354
682	0.25084
683	0.24813
684	0.24543
685	0.24273
686	0.24004
687	0.23734
688	0.23465
689	0.23197
690	0.22928
691	0.2266
692	0.22393
693	0.22125
694	0.21858
695	0.21592
696	0.21326
697	0.21061
698	0.20796
699	0.20531
700	0.20267
701	0.20004
702	0.19741
703	0.19479

704	0.19217
705	0.18957
706	0.18696
707	0.18437
708	0.18178
709	0.1792
710	0.17663
711	0.17407
712	0.17151
713	0.16897
714	0.16643
715	0.1639
716	0.16138
717	0.15887
718	0.15637
719	0.15388
720	0.1514
721	0.14893
722	0.14647
723	0.14402
724	0.14158
725	0.13916
726	0.13675
727	0.13435
728	0.13196
729	0.12958
730	0.12722
731	0.12487
732	0.12253
733	0.12021
734	0.1179
735	0.11561
736	0.11333
737	0.11106
738	0.10881
739	0.10658
740	0.10436
741	0.10216
742	0.09997
743	0.0978
744	0.09565
745	0.09351
746	0.09139
747	0.08929
748	0.08721
749	0.08514
750	0.0831

751	0.08107
752	0.07906
753	0.07707
754	0.0751
755	0.07316
756	0.07123
757	0.06932
758	0.06743
759	0.06556
760	0.06372
761	0.06189
762	0.06009
763	0.05831
764	0.05656
765	0.05482
766	0.05311
767	0.05142
768	0.04976
769	0.04812
770	0.0465
771	0.04491
772	0.04334
773	0.0418
774	0.04028
775	0.03879
776	0.03732
777	0.03588
778	0.03447
779	0.03308
780	0.03172
781	0.03038
782	0.02908
783	0.0278
784	0.02654
785	0.02532
786	0.02412
787	0.02295
788	0.02181
789	0.0207
790	0.01962
791	0.01856
792	0.01754
793	0.01654
794	0.01558
795	0.01464
796	0.01373
797	0.01285

798	0.012
799	0.01118
800	0.01039

## Code

```
from dataclasses import dataclass
from typing import Callable
import numpy as np
from scipy.optimize import curve_fit
from matplotlib import pyplot as plt

def subplot() -> tuple[plt.FigureBase, plt.Axes]:
    fig, ax = plt.subplots()
    assert type(ax) == plt.Axes
    return fig, ax

@dataclass(frozen=True)
class ParamFunction:
    f: Callable
    name: str
    params: list[str]
    def __call__(self, *args, **kwds):
        return self.f(*args, **kwds)

f1 = ParamFunction(lambda x, a, m0, tc: m0 * (1 - np.power(x/tc, a)),
                   'f1',
                   ['a', 'm0', 'tc'])
f2 = ParamFunction(lambda x, a, m0, tc, b: m0 * np.power(1 - np.power(x/tc, a), b),
                   'f2',
                   ['a', 'm0', 'tc', 'b'])
f3 = ParamFunction(lambda x, A, tf: A * np.exp(-x / tf),
                   'f3',
                   ['A', 'tf'])

F1 = ParamFunction(lambda x, a, m0, tc, A, tf: f1(x, a, m0, tc) + f3(x, A, tf),
                   'F1',
                   ['a', 'm0', 'tc', 'A', 'tf'])
F2 = ParamFunction(lambda x, a, m0, tc, b, A, tf: f2(x, a, m0, tc, b) + f3(x, A, tf),
                   'F2',
                   ['a', 'm0', 'tc', 'b', 'A', 'tf'])

Hc = ParamFunction(lambda x, h0, tb, h: h0 * (1 - np.power(x / tb, h)),
                   'Hc',
                   ['h0', 'tb', 'h'])

def fit_and_show(f, x, y, p0, ls):
    p, cv = curve_fit(f, x, y, p0=p0)
    ax.plot(ls, f(ls, *p), label=f.name)

    print(f"{f.name}:")
    for pi, vi, ci in zip(f.params, p, np.sqrt(np.diag(cv))):
        print(f"\t{pi} = {vi} ({ci})")

dat = [
    (5, 1),
```

```

(10, 0.953779564841234),
(20, 0.948273767764934),
(40, 0.92586138083705),
(50, 0.916032256385212),
(60, 0.897720089342155),
(80, 0.88810911443679),
(100, 0.868882206681821),
(120, 0.863668928315563),
(150, 0.849516476488189),
(200, 0.830829984655163),
(300, 0.806414588255126),
(350, 0.800417954699263),
(400, 0.772961039904446),
(500, 0.656636402866549),
(550, 0.574722076129099),
(600, 0.488448919564356),
(650, 0.36096009563337),
(700, 0.218849097312668),
(750, 0.0855452003272218),
(800, 0.0279856413461573),
]
l = np.linspace(1, 820, num=500)
fig, ax = subplot()

x = [xi for (xi, _) in dat]
y = [yi for (_, yi) in dat]
ax.plot(x, y, 'o', label='data')

fit_and_show(f1, x[10:], y[10:], [1., 1., 800], 1)
fit_and_show(f2, x[10:], y[10:], [1., 1., 800, 1.], 1)
fit_and_show(F1, x, y, [.5, 1., 800, 1., 23], 1)
fit_and_show(F2, x, y, [.5, 1., 800, 1., 1., 23], 1)

fig.legend()

dat = [
(5, 77.26942),
(10, 76.36645),
(20, 72.22066),
(40, 65.70018),
(50, 62.38682),
(60, 60.81031),
(80, 60.34203),
(100, 60.56196),
]
l = np.linspace(1, 120, num=500)
fig, ax = subplot()

x = [xi for (xi, _) in dat]
y = [yi for (_, yi) in dat]
ax.plot(x, y, 'o', label='data')

```

```
fit_and_show(Hc, x[:-2], y[:-2], [80, 23, .5], 1)
```

```
fig.legend()
```

```
dat = [  
    (5, 67.18867),  
    (10, 67.20117),  
    (30, 67.11772),  
    (50, 67.09355),  
    (100, 67.10245),  
    (150, 66.61136),  
    (200, 64.98436),  
    (250, 61.87217),  
    (300, 57.99963),
```

```
]
```

```
l = np.linspace(1, 310, num=500)
```

```
fig, ax = subplot()
```

```
x = [xi for (xi, _) in dat]
```

```
y = [yi for (_, yi) in dat]
```

```
ax.plot(x, y, 'o', label='data')
```

```
fit_and_show(f1, x, y, [1., 60, 500], 1)
```

```
fit_and_show(f2, x, y, [1., 60, 500, 1.], 1)
```

```
fig.legend()
```

```
dat = [  
    (5, 86.56108),  
    (10, 70.2632),  
    (30, 65.3259),  
    (50, 63.14271),  
    (100, 62.19026),  
    (150, 62.48279),  
    (200, 62.4871),  
    (250, 61.02536),  
    (300, 57.982),
```

```
]
```

```
l = np.linspace(3, 50, num=500)
```

```
fig, ax = subplot()
```

```
x = [xi for (xi, _) in dat]
```

```
y = [yi for (_, yi) in dat]
```

```
ax.plot(x, y, 'o', label='data')
```

```
fit_and_show(f3, x, y, [80, 4], 1)
```

```
fig.legend()
```

```
plt.show()
```