

Test Name	OSB, no insulation, rep 2
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	No insulation
Insulation Thickness [mm]	
Cavity Width [mm]	
Repetition Number	2
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel alone, with no insulation panel. It is the second repetition of this system configuration.
Experiment Notes	At approximately 11 minutes the OSB panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	123
Time to Peak HRR [mins]	10.33
Residual HRR [kW]	8.5
Total HR [MJ]	48.3
Peak dQ/dt [kW/s]	0.468
Time to Peak dQ/dt [s]	9.23

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	-0.107	-0.107	4.0869	-0.0006	-0.0002	4.0861	0.1151	-0.0024	0.0016	0.1144
1	0.347	0.272	4.0868	-0.0006	0	4.0862	0.1444	-0.0004	0.0034	0.1474
2	0.575	0.541	4.0871	-0.0005	0	4.0866	0.1732	-0.0005	0.0036	0.1763
3	0.767	1.01	4.0872	-0.0005	-0.0001	4.0865	0.1844	-0.0019	0.0064	0.1889
4	1.13	1.65	4.0873	-0.0005	-0.0002	4.0866	0.208	-0.0008	0.0023	0.2096
5	1.8	2.39	4.0874	-0.0003	-0.0003	4.0868	0.2282	-0.0027	-0.001	0.2245
6	2.57	3.08	4.0871	-0.0002	-0.0002	4.0867	0.2312	-0.0052	-0.0016	0.2244
7	3.39	3.65	4.0866	-0.0001	-0.0002	4.0863	0.2295	-0.0081	0.0003	0.2217
8	4.38	4.12	4.0863	0	-0.0002	4.086	0.2425	-0.008	0.0013	0.2357
9	5.25	4.51	4.0866	0.0005	0	4.087	0.2792	-0.0071	0.0022	0.2743
10	6.14	4.97	4.0873	0.0003	0	4.0876	0.2962	-0.007	0.0029	0.2921
11	6.82	5.39	4.0877	0.0004	0.0003	4.0884	0.3055	-0.0069	0.0004	0.299
12	7.03	5.84	4.0886	0.0001	0.0003	4.089	0.3189	-0.0041	-0.0018	0.3131
13	7.16	6.26	4.0881	0	0.0003	4.0884	0.3256	-0.0006	-0.002	0.323
14	7.45	6.64	4.0882	0.0001	0.0004	4.0886	0.323	0.0029	-0.002	0.3239
15	7.64	6.98	4.0892	-0.0001	0.0003	4.0895	0.3335	0.0059	-0.003	0.3363
16	7.76	7.32	4.0889	0	0.0002	4.0891	0.3476	0.0061	0.0014	0.3551
17	7.91	7.61	4.0878	-0.0001	0.0002	4.0879	0.3628	0.0068	0.0017	0.3713
18	7.69	7.84	4.0869	0.0001	0.0003	4.0873	0.3627	0.0039	-0.0015	0.3651
19	8.71	8.04	4.0863	0.0002	0.0002	4.0867	0.3546	0.0012	-0.0033	0.3525
20	8.25	8.2	4.0863	0.0001	0.0002	4.0866	0.3516	0.0028	-0.0024	0.352
21	9.09	8.32	4.0867	0.0003	0.0003	4.0873	0.3521	0.0011	-0.0027	0.3505
22	8.78	8.46	4.0878	0.0001	0.0004	4.0882	0.3598	-0.0013	-0.001	0.3575
23	8.4	8.58	4.0889	0	0.0004	4.0893	0.3829	0.0007	0.0055	0.3891
24	8.29	8.68	4.0891	0	0.0004	4.0896	0.3832	0.0024	0.0103	0.3959
25	8.91	8.79	4.0886	0	0.0005	4.0891	0.393	0.0076	0.0154	0.416
26	8.89	8.89	4.0882	0	0.0003	4.0885	0.4166	0.0048	0.009	0.4305
27	8.88	8.98	4.0884	0.0002	0.0003	4.0889	0.4236	0.0034	0.0026	0.4295
28	8.99	9.1	4.0892	0.0002	0.0003	4.0897	0.4345	0.004	0.0039	0.4425

29	9.22	9.16	4.0899	-0.0001	0.0002	4.09	0.4361	0.0074	0.0063	0.4498
30	9.1	9.27	4.0891	-0.0001	0	4.089	0.4416	0.0073	0.011	0.4599
31	9.57	9.35	4.0882	-0.0001	-0.0001	4.088	0.4477	0.0056	0.0125	0.4658
32	9.5	9.44	4.088	-0.0002	0	4.0879	0.4414	0.0047	0.0101	0.4561
33	9.38	9.54	4.0878	-0.0003	0.0001	4.0876	0.4192	0.0026	0.0073	0.4291
34	9.64	9.63	4.0871	-0.0003	0.0003	4.0871	0.3683	0.001	0.0034	0.3728
35	9.76	9.71	4.0861	-0.0001	0.0005	4.0864	0.3258	0.0021	0.0043	0.3321
36	9.65	9.8	4.0858	-0.0001	0.0004	4.0861	0.3306	0.0008	0.0032	0.3346
37	9.9	9.88	4.0867	0	0.0004	4.0871	0.3554	0.0004	0.0031	0.3589
38	9.87	9.98	4.0878	0.0001	0.0003	4.0882	0.3711	0.0021	0.0039	0.3771
39	10.3	10.1	4.0885	0	0.0004	4.0889	0.377	0.0026	0.0053	0.3848
40	10.6	10.2	4.0888	-0.0001	0.0004	4.0891	0.3751	0.0044	0.0059	0.3854
41	10.5	10.3	4.0889	-0.0002	0.0003	4.0889	0.3651	0.006	0.0085	0.3796
42	10.3	10.3	4.0887	-0.0003	0.0002	4.0886	0.3566	0.0072	0.0112	0.375
43	10.1	10.4	4.0886	-0.0003	0.0002	4.0884	0.3597	0.0055	0.0125	0.3777
44	10.4	10.5	4.0879	-0.0003	0.0001	4.0877	0.3722	0.0041	0.0125	0.3888
45	10.5	10.6	4.0868	-0.0005	0	4.0863	0.381	0.0049	0.0113	0.3973
46	10.5	10.6	4.0854	-0.0004	-0.0002	4.0848	0.3611	0.0016	0.0124	0.375
47	10.8	10.6	4.0839	-0.0006	-0.0003	4.0831	0.3625	0.0003	0.0124	0.3751
48	10.9	10.6	4.0827	-0.0006	-0.0004	4.0817	0.3835	0.0015	0.0088	0.3939
49	11	10.6	4.0814	-0.0006	-0.0003	4.0805	0.4067	0.0004	0.0054	0.4125
50	11.2	10.5	4.0798	-0.0007	-0.0004	4.0787	0.4241	-0.0002	0.0032	0.4271
51	10.9	10.5	4.0782	-0.0007	-0.0004	4.077	0.4417	0.0017	0.0043	0.4477
52	11.2	10.5	4.0774	-0.0006	-0.0006	4.0762	0.4558	0.0029	0.007	0.4656
53	11.2	10.5	4.0759	-0.0007	-0.0004	4.0749	0.4749	0.0031	0.0051	0.4831
54	10.9	10.4	4.0746	-0.0006	-0.0002	4.0739	0.4919	0.0021	0.0046	0.4986
55	10.2	10.4	4.0742	-0.0004	-0.0001	4.0737	0.4971	0.0035	0.0036	0.5041
56	10.2	10.4	4.0741	-0.0003	-0.0002	4.0736	0.5085	0.0053	0.004	0.5178
57	9.91	10.3	4.0731	-0.0003	-0.0003	4.0725	0.5149	0.0051	0.0046	0.5246
58	9.56	10.3	4.0707	-0.0003	-0.0004	4.07	0.5181	0.0074	0.0054	0.5308
59	9.79	10.2	4.0694	-0.0003	-0.0004	4.0687	0.5164	0.006	0.006	0.5284
60	9.96	10.1	4.0685	-0.0003	-0.0003	4.068	0.5239	0.0097	0.0084	0.542
61	9.91	10.1	4.0674	-0.0005	-0.0001	4.0668	0.536	0.0109	0.0091	0.556
62	9.98	9.98	4.0667	-0.0007	-0.0001	4.0659	0.5517	0.0113	0.0099	0.5729
63	9.57	9.94	4.0665	-0.0009	-0.0001	4.0655	0.5728	0.0078	0.0072	0.5878
64	9.97	9.92	4.0655	-0.0011	0	4.0644	0.5765	0.0082	0.0041	0.5888
65	10.2	9.94	4.0642	-0.0011	-0.0003	4.0628	0.5758	0.0095	0.0031	0.5884

66	9.89	9.94	4.0629	-0.0012	-0.0003	4.0613	0.5621	0.0076	0.0025	0.5721
67	9.85	9.99	4.0625	-0.001	-0.0001	4.0614	0.5566	0.0096	0.0016	0.5679
68	9.62	10.1	4.0627	-0.0008	0	4.0619	0.5547	0.0088	0.0032	0.5667
69	9.41	10.1	4.0626	-0.0009	-0.0001	4.0616	0.5548	0.0087	0.0049	0.5684
70	9.57	10.2	4.0622	-0.0008	0	4.0613	0.5541	0.0103	0.0048	0.5692
71	9.94	10.3	4.0613	-0.0006	-0.0002	4.0605	0.5666	0.0106	0.0061	0.5833
72	10.5	10.3	4.0592	-0.0008	-0.0006	4.0578	0.5878	0.0127	0.0089	0.6093
73	10.6	10.4	4.0588	-0.0009	-0.001	4.0569	0.6085	0.0114	0.0123	0.6322
74	10.4	10.5	4.0577	-0.0013	-0.0014	4.055	0.6292	0.0125	0.013	0.6547
75	10.3	10.6	4.0555	-0.0011	-0.0009	4.0535	0.634	0.0114	0.0135	0.6589
76	10.8	10.7	4.0545	-0.001	-0.0004	4.0531	0.6308	0.011	0.014	0.6558
77	10.9	10.8	4.0533	-0.001	-0.0005	4.0517	0.6293	0.011	0.014	0.6543
78	11.1	11	4.0527	-0.0013	-0.0007	4.0507	0.6369	0.0124	0.0139	0.6632
79	11	11.1	4.0518	-0.0013	-0.0011	4.0494	0.6481	0.0133	0.0152	0.6766
80	11.2	11.2	4.0509	-0.0012	-0.0012	4.0485	0.6524	0.0102	0.0153	0.6778
81	11	11.2	4.051	-0.0011	-0.0011	4.0488	0.6485	0.0084	0.015	0.6718
82	11.3	11.3	4.0524	-0.0009	-0.0008	4.0506	0.6357	0.0095	0.0171	0.6623
83	11.5	11.4	4.0562	-0.0008	-0.0005	4.0549	0.6311	0.0105	0.0193	0.6609
84	11.9	11.5	4.0595	-0.0009	-0.0006	4.058	0.6403	0.0094	0.0185	0.6682
85	12.3	11.5	4.0587	-0.0008	-0.0005	4.0574	0.6517	0.0087	0.0189	0.6793
86	12.2	11.6	4.0562	-0.0008	-0.0005	4.055	0.6557	0.0076	0.018	0.6812
87	12.2	11.6	4.0545	-0.0009	-0.0006	4.053	0.6682	0.0057	0.0154	0.6894
88	11.7	11.6	4.0536	-0.0009	-0.0007	4.052	0.6999	0.0076	0.014	0.7214
89	11.4	11.7	4.0534	-0.0011	-0.0008	4.0515	0.7231	0.0097	0.0121	0.745
90	11.5	11.7	4.0539	-0.0013	-0.001	4.0517	0.7464	0.0078	0.0127	0.7669
91	11.5	11.7	4.0544	-0.0014	-0.0013	4.0517	0.7601	0.0065	0.0119	0.7786
92	12.3	11.7	4.0537	-0.0012	-0.0014	4.0511	0.7757	0.0064	0.0108	0.7929
93	11.6	11.6	4.0522	-0.0011	-0.0014	4.0497	0.7852	0.004	0.0095	0.7987
94	12	11.6	4.051	-0.0012	-0.0013	4.0485	0.7902	0.0024	0.0092	0.8019
95	11.4	11.5	4.0525	-0.0009	-0.0014	4.0502	0.7881	0.0022	0.0076	0.7979
96	11.8	11.5	4.052	-0.0007	-0.0014	4.0498	0.7852	0.003	0.0051	0.7933
97	11.7	11.5	4.0496	-0.0009	-0.0011	4.0476	0.7744	0.0037	0.0025	0.7805
98	11.6	11.5	4.0469	-0.0008	-0.0008	4.0454	0.7719	0.0015	0.0003	0.7736
99	11.4	11.5	4.0448	-0.0007	-0.0005	4.0435	0.7683	0.001	0.0002	0.7694
100	11	11.5	4.0427	-0.0008	-0.0006	4.0413	0.7631	0.001	0.0009	0.765
101	10.6	11.5	4.0413	-0.0009	-0.0007	4.0397	0.7578	0	-0.0003	0.7575
102	11.1	11.5	4.0396	-0.0008	-0.0005	4.0383	0.7453	-0.0006	-0.0008	0.7439

103	11.3	11.5	4.038	-0.0007	-0.0006	4.0367	0.7414	0.0002	-0.0017	0.7398
104	11	11.5	4.0376	-0.0008	-0.0006	4.0362	0.7299	0.0012	0.001	0.7322
105	11.8	11.6	4.0366	-0.0009	-0.0007	4.035	0.7241	0.0017	0.0039	0.7297
106	11.7	11.6	4.0357	-0.0007	-0.0007	4.0342	0.7313	0.0035	0.0046	0.7394
107	12.3	11.7	4.0348	-0.0009	-0.0007	4.0332	0.7461	0.0046	0.0027	0.7535
108	11.8	11.7	4.0346	-0.0006	-0.0008	4.0332	0.7417	0.0081	0.0038	0.7537
109	11.3	11.8	4.0342	-0.0005	-0.0009	4.0328	0.724	0.01	0.0044	0.7384
110	11.5	11.9	4.0337	-0.0008	-0.0009	4.032	0.7208	0.0098	0.0018	0.7323
111	11.5	12	4.0326	-0.0008	-0.0007	4.0311	0.7222	0.0078	0.0017	0.7317
112	12	12.2	4.0313	-0.0007	-0.0004	4.0302	0.7262	0.0062	0.0041	0.7365
113	12.7	12.3	4.0304	-0.0008	-0.0001	4.0295	0.726	0.0073	0.0057	0.7391
114	12.1	12.4	4.0306	-0.0009	0.0001	4.0298	0.7297	0.0074	0.0075	0.7446
115	12.5	12.5	4.033	-0.0008	0.0001	4.0323	0.7302	0.0054	0.0093	0.7449
116	12.5	12.6	4.0332	-0.001	0.0001	4.0323	0.7271	0.0042	0.0075	0.7388
117	12.9	12.7	4.0323	-0.001	-0.0001	4.0312	0.7245	0.004	0.0076	0.7361
118	12.7	12.7	4.0314	-0.0008	-0.0002	4.0304	0.7257	0.007	0.0064	0.7391
119	12.8	12.9	4.0309	-0.0008	-0.0003	4.0298	0.7251	0.01	0.008	0.743
120	13.2	13	4.0297	-0.0009	-0.0004	4.0283	0.6709	0.0078	0.0095	0.6882
121	13.5	13	4.028	-0.001	-0.0006	4.0264	0.612	0.0089	0.0117	0.6325
122	13.6	13.1	4.0269	-0.0011	-0.0008	4.025	0.5839	0.0098	0.0105	0.6041
123	13.9	13.1	4.026	-0.0012	-0.0009	4.0238	0.5354	0.0086	0.0051	0.5491
124	13.8	13.2	4.0257	-0.0011	-0.0009	4.0237	0.5434	0.0085	-0.0003	0.5515
125	12.9	13.3	4.0255	-0.0011	-0.0009	4.0235	0.5562	0.0061	-0.0043	0.5581
126	13.2	13.3	4.0253	-0.0011	-0.0011	4.0231	0.5537	0.0098	0.0009	0.5644
127	13.6	13.4	4.0247	-0.001	-0.0011	4.0225	0.5678	0.0119	0.0058	0.5855
128	13.6	13.4	4.0244	-0.0011	-0.0012	4.0221	0.5681	0.0125	0.0063	0.5869
129	13.2	13.4	4.0247	-0.0011	-0.0013	4.0222	0.5579	0.0109	0.0039	0.5726
130	12.8	13.4	4.0243	-0.0009	-0.0015	4.0218	0.5415	0.009	-0.002	0.5484
131	13.1	13.4	4.0246	-0.001	-0.0018	4.0218	0.5312	0.0082	-0.0032	0.5362
132	13.2	13.3	4.0249	-0.0012	-0.0019	4.0218	0.5368	0.008	0.0012	0.546
133	13.5	13.2	4.0237	-0.0012	-0.0017	4.0208	0.5666	0.0092	0.0012	0.577
134	13.8	13.2	4.0219	-0.0011	-0.0016	4.0192	0.6267	0.009	0.0032	0.6388
135	13.8	13.2	4.0205	-0.0008	-0.0013	4.0183	0.6974	0.0072	0.0026	0.7073
136	13.8	13.1	4.019	-0.0007	-0.0011	4.0172	0.7381	0.0077	0.0046	0.7504
137	13.4	13.1	4.0168	-0.0008	-0.001	4.015	0.7481	0.0097	0.0066	0.7644
138	13.3	13.1	4.0155	-0.0009	-0.0009	4.0137	0.766	0.0104	0.0063	0.7827
139	12.8	13.1	4.0138	-0.0008	-0.0009	4.0122	0.7864	0.0105	0.0042	0.8011

140	12.4	13.1	4.0128	-0.0008	-0.0008	4.0112	0.7881	0.0089	0.0061	0.8031
141	12.6	13.2	4.0113	-0.0009	-0.0008	4.0096	0.7992	0.0112	0.0059	0.8164
142	12.7	13.2	4.0102	-0.0007	-0.0008	4.0087	0.8071	0.0121	0.0013	0.8205
143	12.5	13.3	4.0095	-0.0005	-0.0008	4.0082	0.7931	0.0111	-0.0019	0.8024
144	12.6	13.3	4.0091	-0.0006	-0.0007	4.0079	0.7725	0.0084	-0.0017	0.7792
145	12.6	13.3	4.0083	-0.0008	-0.0005	4.007	0.7579	0.0054	0.0003	0.7636
146	13	13.4	4.0079	-0.0008	-0.0004	4.0067	0.774	0.0064	0.0012	0.7816
147	13.6	13.5	4.0068	-0.0007	-0.0003	4.0058	0.7883	0.006	0.0022	0.7965
148	13.6	13.6	4.0059	-0.0007	-0.0004	4.0048	0.7968	0.002	0.0039	0.8027
149	13.6	13.7	4.0051	-0.0007	-0.0004	4.004	0.7962	0.0015	0.0037	0.8013
150	13.9	13.8	4.004	-0.0007	-0.0004	4.0029	0.7971	-0.001	0.0015	0.7976
151	14.2	14	4.0036	-0.0006	-0.0003	4.0027	0.7931	-0.0002	-0.0028	0.7901
152	13.8	14.1	4.0033	-0.0006	-0.0004	4.0022	0.7852	-0.0026	-0.0068	0.7758
153	14.3	14.3	4.0029	-0.0008	-0.0005	4.0017	0.7822	-0.0031	-0.0063	0.7728
154	14.8	14.4	4.0022	-0.0007	-0.0006	4.0009	0.761	-0.0012	-0.0089	0.7509
155	15	14.5	4.0011	-0.0008	-0.0006	3.9997	0.7433	-0.0038	-0.0076	0.7318
156	15.3	14.7	3.9995	-0.0007	-0.0005	3.9982	0.7036	-0.0014	-0.0056	0.6966
157	15.1	14.8	3.9989	-0.0011	-0.0007	3.9972	0.6851	0.0063	-0.0008	0.6905
158	14.1	14.9	3.9983	-0.0013	-0.0008	3.9962	0.6956	0.0054	0.0006	0.7016
159	15.7	14.9	3.9973	-0.0013	-0.0006	3.9955	0.7259	0.0051	0.0006	0.7316
160	15.1	15	3.9963	-0.0011	-0.0004	3.9948	0.7387	0.0043	-0.0002	0.7427
161	15.3	15	3.9948	-0.0011	-0.0005	3.9932	0.7596	0.0056	0.0005	0.7657
162	15.5	15.1	3.9941	-0.0014	-0.0007	3.992	0.7665	0.0074	0.0031	0.7769
163	15.3	15.1	3.9935	-0.0016	-0.0008	3.991	0.7768	0.0052	0.0027	0.7848
164	15.2	15.1	3.9925	-0.0016	-0.001	3.9899	0.7997	0.0032	0.0036	0.8065
165	15.3	15.1	3.9915	-0.0015	-0.0011	3.9889	0.8361	0.0052	0.0079	0.8492
166	15.5	15.1	3.9904	-0.0016	-0.0011	3.9877	0.8908	0.0071	0.0086	0.9065
167	15.7	15.1	3.9899	-0.0017	-0.0008	3.9875	0.92	0.0057	0.0118	0.9375
168	14.3	15.2	3.9902	-0.0018	-0.0008	3.9876	0.9415	0.0051	0.0121	0.9587
169	15.1	15.2	3.9955	-0.0017	-0.001	3.9928	0.956	0.0056	0.0096	0.9711
170	15.1	15.2	4.001	-0.0017	-0.0012	3.9981	0.9642	0.0025	0.0093	0.976
171	15.1	15.2	4.0029	-0.0016	-0.0012	4.0001	0.961	-0.0005	0.0078	0.9683
172	15.1	15.2	4.0057	-0.0016	-0.0011	4.0029	0.9457	-0.0003	0.0039	0.9493
173	14.7	15.2	4.0045	-0.0017	-0.001	4.0018	0.9215	-0.0006	0.0007	0.9215
174	14.9	15.2	4.0021	-0.0019	-0.001	3.9992	0.907	-0.0025	0.0009	0.9054
175	15.5	15.1	4.0001	-0.0021	-0.001	3.9971	0.9455	-0.0004	-0.0009	0.9442
176	14.7	15.1	3.9978	-0.0022	-0.001	3.9946	0.9657	0	-0.0021	0.9636

177	14.8	15.1	3.9965	-0.0023	-0.0012	3.993	1.0083	0	-0.0061	1.0022
178	16.1	15.1	3.9969	-0.0024	-0.0011	3.9934	1.0234	0.0014	-0.0073	1.0175
179	14.9	15.1	3.9977	-0.0022	-0.0009	3.9946	1.0519	0.0018	-0.0098	1.044
180	15.4	15.1	3.9978	-0.002	-0.0009	3.9949	1.069	0.0011	-0.0123	1.0579
181	15.4	15.1	3.9973	-0.0019	-0.0012	3.9942	1.0821	0.0029	-0.0141	1.0708
182	15.4	15.1	3.9957	-0.0019	-0.001	3.9929	1.1101	0.0045	-0.0161	1.0985
183	15.1	15.1	3.9936	-0.0017	-0.0008	3.991	1.1402	0.0034	-0.0151	1.1286
184	14.9	15.1	3.9897	-0.0016	-0.0009	3.9873	1.1503	0.0042	-0.011	1.1435
185	15.1	15.2	3.9849	-0.0016	-0.001	3.9824	1.1519	0.0057	-0.0077	1.15
186	14.9	15.3	3.9814	-0.0017	-0.0012	3.9786	1.1548	0.01	-0.0001	1.1647
187	15.2	15.3	3.9779	-0.0019	-0.0012	3.9748	1.1574	0.0103	0.0039	1.1717
188	14.7	15.3	3.975	-0.002	-0.0011	3.9719	1.1448	0.009	0.005	1.1588
189	14.9	15.3	3.9746	-0.002	-0.0014	3.9712	1.1466	0.0101	0.007	1.1637
190	15.1	15.4	3.974	-0.0024	-0.0016	3.97	1.1383	0.0133	0.0072	1.1588
191	14.8	15.4	3.9736	-0.0026	-0.0014	3.9697	1.1252	0.0142	0.0077	1.1472
192	15.5	15.4	3.9744	-0.0023	-0.0012	3.9709	1.1025	0.0129	0.006	1.1214
193	15.4	15.5	3.9749	-0.0019	-0.0012	3.9718	1.0889	0.0163	0.0078	1.113
194	15.9	15.6	3.9752	-0.0017	-0.0013	3.9721	1.1095	0.0194	0.0108	1.1397
195	16.2	15.6	3.9751	-0.0015	-0.0015	3.9721	1.1394	0.0218	0.0124	1.1736
196	15.7	15.7	3.9732	-0.0013	-0.0016	3.9702	1.1655	0.0215	0.0132	1.2001
197	15.7	15.8	3.9699	-0.0011	-0.0015	3.9674	1.1836	0.021	0.0111	1.2157
198	16	15.9	3.9673	-0.0009	-0.0011	3.9653	1.1973	0.0204	0.0078	1.2255
199	16.3	16	3.965	-0.0006	-0.0007	3.9637	1.1981	0.0182	0.0104	1.2267
200	16.3	16.1	3.9634	-0.0007	-0.0004	3.9623	1.1861	0.0161	0.0159	1.2181
201	15.4	16.3	3.9627	-0.0006	0	3.9621	1.1617	0.0151	0.0191	1.1959
202	16.5	16.4	3.9614	-0.0005	0.0001	3.961	1.1815	0.0167	0.0175	1.2157
203	16.1	16.6	3.9619	-0.0006	0.0003	3.9616	1.189	0.0162	0.016	1.2212
204	16.4	16.8	3.9632	-0.0004	0.0002	3.963	1.2027	0.0123	0.0141	1.2292
205	16.6	17	3.9662	-0.0007	-0.0001	3.9654	1.2028	0.0104	0.0099	1.2231
206	16	17.2	3.9671	-0.0014	-0.0006	3.9652	1.2067	0.0083	0.0095	1.2245
207	16.6	17.4	3.9653	-0.0014	-0.0008	3.9631	1.2298	0.0082	0.0102	1.2482
208	17.1	17.6	3.962	-0.0011	-0.0009	3.96	1.2643	0.0037	0.0075	1.2754
209	17.9	17.8	3.9603	-0.0009	-0.0008	3.9585	1.3035	0.001	0.0052	1.3097
210	17.9	18	3.9578	-0.0013	-0.0009	3.9555	1.3287	0.0012	0.0054	1.3354
211	18.5	18.3	3.9559	-0.0015	-0.001	3.9534	1.357	0.0032	0.0049	1.365
212	19.2	18.5	3.9536	-0.0012	-0.0007	3.9517	1.3678	0.0051	0.0048	1.3777
213	19.7	18.8	3.9504	-0.0011	-0.0005	3.9488	1.3942	0.0009	0.0049	1.4

214	19.1	19	3.947	-0.0014	-0.0007	3.9449	1.4165	-0.002	0.001	1.4156
215	19.4	19.3	3.9439	-0.0015	-0.0008	3.9417	1.4372	-0.0025	-0.0016	1.4332
216	20.2	19.6	3.9412	-0.0016	-0.0011	3.9385	1.4537	0.0011	-0.0027	1.4521
217	19.9	19.8	3.9381	-0.0015	-0.0013	3.9353	1.4655	0.0023	-0.002	1.4658
218	19.8	20	3.9358	-0.0014	-0.0012	3.9333	1.4813	0.0022	0.0024	1.4858
219	20.6	20.2	3.9345	-0.0011	-0.0012	3.9322	1.5085	0.0017	0.0027	1.5129
220	20.6	20.4	3.9336	-0.0009	-0.0012	3.9315	1.5889	0.0053	0.0024	1.5966
221	20.9	20.5	3.9334	-0.001	-0.001	3.9315	1.6617	0.0053	0.001	1.668
222	20.8	20.6	3.9348	-0.001	-0.0009	3.9329	1.7017	0.0032	-0.0018	1.703
223	20.9	20.6	3.9353	-0.001	-0.001	3.9333	1.7483	0.0026	-0.0014	1.7496
224	21.5	20.6	3.9311	-0.0011	-0.0008	3.9292	1.7638	-0.0003	0.0003	1.7638
225	21.1	20.7	3.9289	-0.0011	-0.0007	3.9272	1.7682	0	-0.0007	1.7674
226	21.8	20.7	3.9245	-0.0011	-0.0005	3.9229	1.7731	0.0021	-0.0014	1.7737
227	21.2	20.7	3.9223	-0.0011	-0.0004	3.9208	1.7746	0.0007	0.0012	1.7764
228	21.4	20.8	3.9192	-0.0013	-0.0002	3.9177	1.7871	0.0012	0.0009	1.7892
229	21.1	20.8	3.9178	-0.0012	-0.0001	3.9164	1.8191	0	-0.0014	1.8176
230	20.7	20.8	3.9161	-0.0012	-0.0001	3.9147	1.8564	0.001	-0.0017	1.8556
231	20.3	20.9	3.9136	-0.0015	-0.0002	3.9119	1.8795	0.0023	-0.003	1.8789
232	20.1	21	3.9109	-0.0015	-0.0004	3.909	1.9007	0.0022	-0.0049	1.898
233	20.2	21.1	3.9087	-0.0017	-0.0006	3.9064	1.9083	0.0043	-0.0016	1.9111
234	20.1	21.1	3.9067	-0.0017	-0.0008	3.9042	1.9106	0.006	-0.0023	1.9143
235	19.9	21.3	3.905	-0.0018	-0.0013	3.9018	1.8841	0.0051	-0.0014	1.8878
236	20.2	21.3	3.9032	-0.0017	-0.0015	3.9	1.8456	0.0071	-0.0004	1.8523
237	21.6	21.4	3.9023	-0.0017	-0.0015	3.8991	1.8311	0.0041	-0.0016	1.8336
238	20.4	21.5	3.9008	-0.0019	-0.0016	3.8973	1.834	0.003	-0.002	1.835
239	21.9	21.6	3.9	-0.0021	-0.0016	3.8963	1.8337	0.003	-0.0003	1.8364
240	22.6	21.8	3.9003	-0.0022	-0.0016	3.8965	1.8578	0.0036	-0.0022	1.8592
241	22.2	21.9	3.901	-0.0021	-0.0014	3.8975	1.8855	0.0014	-0.0037	1.8832
242	22.6	22.1	3.9013	-0.0023	-0.0015	3.8974	1.9142	-0.0013	-0.0009	1.912
243	22.4	22.2	3.8986	-0.0025	-0.0018	3.8943	1.9524	-0.001	-0.0015	1.9499
244	23.4	22.2	3.8951	-0.0028	-0.0019	3.8905	1.9814	0.0034	-0.0041	1.9808
245	23.4	22.4	3.8917	-0.0029	-0.0018	3.887	2.005	0.0067	-0.0033	2.0084
246	23	22.5	3.8896	-0.0029	-0.0015	3.8851	2.0334	0.0099	-0.0023	2.0409
247	23.4	22.6	3.887	-0.0027	-0.0011	3.8832	2.055	0.011	-0.0033	2.0627
248	22.8	22.8	3.8861	-0.0025	-0.0014	3.8821	2.0376	0.0116	-0.0011	2.0481
249	23.5	22.9	3.8865	-0.0023	-0.002	3.8822	2.0362	0.014	0.0025	2.0527
250	23.1	23	3.8879	-0.0022	-0.0023	3.8834	2.0495	0.0165	0.008	2.074

251	22.6	23.2	3.8855	-0.0023	-0.0021	3.8811	2.068	0.014	0.0109	2.0929
252	21.9	23.4	3.8844	-0.0023	-0.002	3.8801	2.084	0.0142	0.0138	2.1119
253	21.7	23.6	3.8827	-0.002	-0.0019	3.8788	2.099	0.015	0.0128	2.1269
254	22.3	23.7	3.8819	-0.0018	-0.0016	3.8786	2.1368	0.015	0.0131	2.1649
255	22.7	23.9	3.8804	-0.0016	-0.0016	3.8773	2.1731	0.0177	0.0116	2.2024
256	22.9	24.1	3.8765	-0.0015	-0.0015	3.8734	2.2318	0.0167	0.0085	2.2571
257	24	24.3	3.8725	-0.0014	-0.0014	3.8696	2.2662	0.0113	0.0017	2.2793
258	24.8	24.5	3.8679	-0.0014	-0.0013	3.8652	2.2757	0.0124	-0.0002	2.2879
259	24.9	24.7	3.8644	-0.0014	-0.0011	3.8619	2.2743	0.0167	0.0033	2.2943
260	25.7	24.9	3.8606	-0.0014	-0.0009	3.8583	2.2867	0.019	0.006	2.3117
261	25.9	25.1	3.858	-0.0016	-0.001	3.8554	2.2889	0.0164	0.0055	2.3108
262	25.9	25.5	3.8546	-0.0015	-0.0012	3.852	2.2939	0.0149	0.0055	2.3143
263	26.4	25.8	3.8519	-0.0015	-0.001	3.8495	2.3007	0.0168	0.0082	2.3257
264	26	26	3.8487	-0.0014	-0.0008	3.8465	2.2955	0.0179	0.0122	2.3257
265	26.8	26.3	3.8461	-0.0016	-0.0008	3.8437	2.2886	0.0141	0.0118	2.3145
266	27.2	26.6	3.8439	-0.0018	-0.0009	3.8412	2.2974	0.0128	0.0114	2.3217
267	27.3	26.9	3.8418	-0.0019	-0.001	3.8389	2.306	0.0133	0.0079	2.3272
268	27	27.1	3.8393	-0.002	-0.0011	3.8363	2.3057	0.0138	0.0032	2.3228
269	26.7	27.3	3.8366	-0.0022	-0.0013	3.8331	2.3118	0.0112	0.0019	2.3249
270	27.2	27.5	3.8348	-0.0022	-0.0013	3.8313	2.3294	0.0131	0.0035	2.3461
271	28.5	27.7	3.8327	-0.0019	-0.001	3.8298	2.3548	0.0165	0.0045	2.3758
272	27.2	27.9	3.8308	-0.0019	-0.001	3.8279	2.3891	0.0197	0.0064	2.4152
273	27.1	28.1	3.8281	-0.0017	-0.001	3.8254	2.4286	0.0227	0.0102	2.4615
274	28.6	28.3	3.8252	-0.0019	-0.0009	3.8225	2.4525	0.0247	0.0118	2.4889
275	28.5	28.5	3.8228	-0.0023	-0.0009	3.8197	2.4426	0.0255	0.0124	2.4805
276	28.8	28.7	3.8203	-0.0022	-0.0011	3.817	2.4335	0.026	0.0123	2.4718
277	29.4	28.9	3.8177	-0.0024	-0.0013	3.8141	2.3887	0.0269	0.0151	2.4307
278	29.2	29.1	3.815	-0.0024	-0.001	3.8117	2.3784	0.0255	0.0172	2.4211
279	29.1	29.4	3.8121	-0.0023	-0.0007	3.809	2.3685	0.0229	0.0175	2.4089
280	30.2	29.7	3.8098	-0.0022	-0.0006	3.807	2.372	0.0225	0.0182	2.4127
281	29	29.9	3.8072	-0.0021	-0.0007	3.8044	2.3727	0.022	0.019	2.4137
282	29.3	30.2	3.8049	-0.0023	-0.0008	3.8018	2.3659	0.0186	0.0182	2.4027
283	30	30.5	3.8025	-0.0023	-0.0006	3.7996	2.3743	0.016	0.0161	2.4063
284	31.4	30.7	3.8013	-0.0021	-0.0007	3.7985	2.3998	0.0154	0.0149	2.4301
285	31.2	31.1	3.8004	-0.0023	-0.0009	3.7972	2.4349	0.0144	0.0125	2.4618
286	30.3	31.3	3.7983	-0.0021	-0.001	3.7952	2.4822	0.0099	0.0046	2.4968
287	31.7	31.6	3.7945	-0.0022	-0.001	3.7913	2.5327	0.0117	0.0027	2.5471

288	31.4	31.8	3.7916	-0.0023	-0.0011	3.7882	2.5707	0.0115	0.003	2.5852
289	32.6	32	3.7888	-0.0024	-0.0011	3.7853	2.6118	0.0073	0.0012	2.6203
290	33	32.2	3.7855	-0.0025	-0.0012	3.7817	2.6547	0.004	-0.0008	2.6579
291	32	32.4	3.7822	-0.0025	-0.0013	3.7785	2.7052	0.0041	-0.0016	2.7076
292	33.2	32.6	3.7792	-0.0022	-0.0011	3.7759	2.7483	0.0025	0.001	2.7517
293	33.8	32.8	3.7768	-0.0023	-0.0008	3.7737	2.804	-0.0003	-0.0013	2.8024
294	34.7	32.9	3.7747	-0.0024	-0.001	3.7713	2.8304	-0.0015	-0.0043	2.8246
295	33.6	33.1	3.7718	-0.0025	-0.0013	3.768	2.8471	-0.0017	-0.0048	2.8406
296	35	33.3	3.7677	-0.0024	-0.0013	3.7639	2.8512	-0.003	-0.0072	2.841
297	32.7	33.4	3.7661	-0.0022	-0.0014	3.7625	2.8692	0	-0.0039	2.8653
298	32.5	33.5	3.7637	-0.0023	-0.0014	3.76	2.8773	0.002	-0.0004	2.8789
299	33.9	33.6	3.7601	-0.0023	-0.0015	3.7563	2.9192	0.0053	-0.0049	2.9195
300	33.1	33.6	3.7566	-0.0021	-0.0014	3.753	2.9657	0.0067	-0.0119	2.9605
301	33.6	33.8	3.7543	-0.002	-0.0014	3.7509	3.0147	0.0083	-0.0142	3.0088
302	32.9	34	3.7515	-0.002	-0.0012	3.7483	3.0229	0.0088	-0.0118	3.0198
303	34.1	34.2	3.7482	-0.0021	-0.001	3.7451	3.0219	0.0095	-0.011	3.0204
304	34.5	34.3	3.7459	-0.0022	-0.001	3.7427	3.0192	0.0097	-0.0087	3.0202
305	33.8	34.5	3.743	-0.0024	-0.001	3.7397	3.0421	0.0123	-0.0056	3.0488
306	33.6	34.6	3.7405	-0.0025	-0.0008	3.7372	3.024	0.0162	-0.0055	3.0347
307	33.4	34.9	3.7377	-0.0026	-0.0008	3.7343	2.9825	0.0182	-0.0052	2.9955
308	34.6	35.2	3.7346	-0.0028	-0.0012	3.7306	2.944	0.0177	-0.003	2.9586
309	34	35.3	3.7316	-0.0028	-0.0014	3.7274	2.911	0.0184	-0.0012	2.9281
310	36	35.5	3.7289	-0.003	-0.0015	3.7244	2.8986	0.019	0.0021	2.9197
311	36.8	35.7	3.7265	-0.003	-0.0016	3.722	2.9047	0.0195	0.0059	2.9302
312	36.6	36	3.7236	-0.0029	-0.0015	3.7191	2.9218	0.0168	0.0074	2.946
313	37.2	36.3	3.7209	-0.0029	-0.0017	3.7163	2.9425	0.0163	0.0087	2.9675
314	37.3	36.4	3.7181	-0.0028	-0.0019	3.7134	2.956	0.0165	0.0107	2.9831
315	37.5	36.7	3.7142	-0.0028	-0.0019	3.7095	2.9826	0.0197	0.0129	3.0152
316	37.5	37	3.7106	-0.0029	-0.0019	3.7058	3.0128	0.0176	0.016	3.0463
317	38.1	37.3	3.7076	-0.0028	-0.0016	3.7031	3.083	0.0169	0.0148	3.1148
318	36.7	37.5	3.7046	-0.0025	-0.0013	3.7008	3.1354	0.0152	0.0112	3.1617
319	37.2	37.7	3.7015	-0.0024	-0.0016	3.6976	3.1704	0.0153	0.0058	3.1915
320	37	37.8	3.6981	-0.0026	-0.0016	3.6939	3.2202	0.012	0.0021	3.2344
321	38.4	37.8	3.6945	-0.0029	-0.0016	3.6899	3.241	0.0125	0.001	3.2545
322	38.5	38	3.6919	-0.0033	-0.0019	3.6867	3.2737	0.0164	0.0043	3.2944
323	38.1	38	3.69	-0.0035	-0.0022	3.6844	3.313	0.0156	0.005	3.3336
324	38.7	38	3.6869	-0.0036	-0.0021	3.6812	3.3268	0.0179	0.0071	3.3518

325	38.9	38	3.6856	-0.0037	-0.0019	3.68	3.3505	0.0167	0.0092	3.3764
326	38.7	38.1	3.6856	-0.0038	-0.002	3.6798	3.3832	0.0109	0.0086	3.4026
327	39.4	38.1	3.6845	-0.0037	-0.0021	3.6787	3.4131	0.0097	0.0058	3.4287
328	36.8	38.2	3.6823	-0.0036	-0.002	3.6768	3.4261	0.008	0.0054	3.4396
329	38.2	38.2	3.6806	-0.0035	-0.0019	3.6752	3.4535	0.0042	0.0083	3.466
330	38	38.3	3.6788	-0.0034	-0.002	3.6734	3.4709	0.005	0.0106	3.4865
331	38.8	38.3	3.677	-0.0034	-0.002	3.6717	3.4812	0.0059	0.0103	3.4974
332	38.8	38.2	3.6735	-0.0031	-0.002	3.6683	3.509	0.0073	0.0051	3.5214
333	37.4	38.2	3.6687	-0.0032	-0.0021	3.6634	3.5317	0.0045	-0.0023	3.534
334	37.5	38.2	3.6632	-0.0031	-0.0021	3.658	3.5433	0.005	-0.0001	3.5482
335	38.3	38.2	3.6568	-0.0028	-0.0018	3.6521	3.5859	0.0084	0.0014	3.5956
336	39.1	38.4	3.65	-0.0029	-0.0018	3.6453	3.6209	0.0084	0.002	3.6313
337	37.6	38.5	3.6452	-0.0028	-0.0018	3.6406	3.6388	0.0104	0.002	3.6513
338	37.9	38.7	3.6396	-0.0026	-0.0017	3.6353	3.6512	0.0096	0.0004	3.6613
339	38.6	39	3.6345	-0.0025	-0.0015	3.6305	3.6461	0.0107	0.0008	3.6576
340	38.2	39.3	3.6298	-0.0026	-0.0014	3.6258	3.6702	0.0104	0.0034	3.6841
341	37.6	39.6	3.6262	-0.0024	-0.0015	3.6223	3.6743	0.0097	0.0038	3.6879
342	37.5	39.9	3.6209	-0.0023	-0.0014	3.6172	3.6943	0.0114	0.0057	3.7113
343	37.9	40.3	3.6156	-0.0023	-0.0014	3.6118	3.7149	0.0123	0.0053	3.7326
344	39.9	40.7	3.6104	-0.0026	-0.0014	3.6064	3.7359	0.0103	0.0063	3.7526
345	41.3	41.1	3.6066	-0.0026	-0.0011	3.6029	3.7529	0.0103	0.0023	3.7655
346	41.9	41.4	3.6026	-0.0029	-0.0011	3.5986	3.7635	0.0113	-0.002	3.7727
347	41.3	41.9	3.5993	-0.0029	-0.001	3.5953	3.7545	0.0156	-0.0022	3.7679
348	42.7	42.4	3.5941	-0.0031	-0.0009	3.5901	3.7825	0.0191	-0.0033	3.7983
349	43.7	42.9	3.5899	-0.003	-0.0008	3.5861	3.8057	0.02	-0.0037	3.8219
350	44.6	43.3	3.5864	-0.003	-0.0009	3.5825	3.8185	0.0207	-0.0027	3.8365
351	45.1	43.8	3.5832	-0.0032	-0.0009	3.5791	3.8329	0.0224	-0.0014	3.8539
352	45.6	44.3	3.5822	-0.0032	-0.0009	3.5781	3.8422	0.0236	0.0019	3.8677
353	45.4	44.8	3.5807	-0.003	-0.001	3.5767	3.8473	0.023	0.0074	3.8778
354	45.6	45.4	3.5777	-0.003	-0.001	3.5737	3.8666	0.0222	0.0138	3.9026
355	45.2	45.8	3.578	-0.0032	-0.001	3.5738	3.8929	0.0215	0.014	3.9284
356	46.2	46.2	3.5782	-0.0034	-0.001	3.5739	3.9212	0.0207	0.0137	3.9556
357	47.6	46.6	3.5781	-0.0032	-0.0011	3.5738	3.9312	0.0181	0.0151	3.9644
358	47.4	46.9	3.5768	-0.0032	-0.0012	3.5724	3.9457	0.017	0.0162	3.9789
359	45.9	47.2	3.5746	-0.0033	-0.0013	3.5699	3.9635	0.0187	0.0143	3.9965
360	47.3	47.4	3.5701	-0.0034	-0.0015	3.5653	3.9756	0.0183	0.01	4.0039
361	47.9	47.6	3.5658	-0.0033	-0.0017	3.5608	3.993	0.0146	0.008	4.0155

362	47.6	47.8	3.5604	-0.0031	-0.002	3.5552	4.0066	0.0124	0.0058	4.0248
363	50.5	47.9	3.5563	-0.0031	-0.002	3.5512	4.0206	0.0121	0.0047	4.0373
364	49.5	48	3.5505	-0.0034	-0.0021	3.545	4.014	0.013	0.0068	4.0339
365	49.1	48.2	3.5449	-0.0034	-0.0024	3.5391	4.0473	0.0138	0.0075	4.0687
366	48.7	48.4	3.5356	-0.0035	-0.0024	3.5297	4.0741	0.0138	0.0104	4.0983
367	48.3	48.5	3.5283	-0.0034	-0.0021	3.5227	4.0892	0.012	0.0115	4.1127
368	50.1	48.6	3.5223	-0.0035	-0.0016	3.5171	4.1091	0.0121	0.0107	4.1319
369	48.3	48.8	3.5146	-0.0034	-0.0015	3.5097	4.1432	0.0152	0.011	4.1694
370	48.8	49.1	3.5107	-0.0035	-0.0014	3.5058	4.1668	0.0166	0.0083	4.1916
371	49.1	49.3	3.5053	-0.0036	-0.0014	3.5003	4.1894	0.0129	0.0055	4.2078
372	47.6	49.5	3.4995	-0.0035	-0.0015	3.4946	4.1928	0.0091	-0.0001	4.2018
373	46.7	49.6	3.4954	-0.0035	-0.0017	3.4902	4.2021	0.0038	-0.0061	4.1999
374	49.8	49.7	3.4902	-0.0036	-0.0018	3.4848	4.2417	-0.0014	-0.0132	4.227
375	50	49.8	3.4845	-0.0034	-0.0017	3.4794	4.2158	-0.0025	-0.0135	4.1998
376	49.3	49.9	3.479	-0.0032	-0.0017	3.4741	4.1955	-0.0053	-0.0112	4.1791
377	49.3	50	3.4751	-0.0032	-0.0018	3.4701	4.2301	-0.0087	-0.0119	4.2094
378	49.6	50	3.4697	-0.0028	-0.0018	3.4651	4.2888	-0.007	-0.0138	4.268
379	53.1	50.1	3.465	-0.0028	-0.0018	3.4604	4.3438	-0.0063	-0.0149	4.3226
380	52.2	50.2	3.4617	-0.0028	-0.0017	3.4572	4.3942	-0.0058	-0.0137	4.3747
381	51.4	50.5	3.4563	-0.0028	-0.0012	3.4523	4.4255	-0.0042	-0.0129	4.4084
382	51.3	50.9	3.4517	-0.0027	-0.0006	3.4484	4.4618	-0.0007	-0.0107	4.4503
383	51.5	51.3	3.4482	-0.0028	-0.0006	3.4448	4.4811	0.004	-0.01	4.4751
384	50.8	51.6	3.4427	-0.003	-0.0009	3.4389	4.4982	0.004	-0.0118	4.4904
385	50.8	51.8	3.4383	-0.0031	-0.0011	3.434	4.5033	0.0064	-0.0118	4.4979
386	49.6	52.2	3.4344	-0.0032	-0.0012	3.4301	4.4835	0.0096	-0.01	4.4831
387	50.7	52.6	3.4294	-0.0032	-0.001	3.4251	4.4924	0.0101	-0.0076	4.4948
388	50.9	52.9	3.427	-0.0034	-0.0012	3.4225	4.4844	0.013	-0.007	4.4904
389	49.9	53	3.4218	-0.0034	-0.0015	3.4169	4.4843	0.0177	-0.0062	4.4959
390	54.9	53.2	3.418	-0.0035	-0.0016	3.4129	4.4872	0.0192	-0.0042	4.5022
391	54.7	53.4	3.4128	-0.0036	-0.0019	3.4073	4.4999	0.0187	-0.0027	4.5159
392	55.4	53.7	3.4077	-0.0035	-0.0016	3.4026	4.5203	0.02	-0.0034	4.5369
393	55.9	54	3.4032	-0.0033	-0.0014	3.3984	4.5162	0.021	-0.0035	4.5337
394	53.4	54.2	3.3994	-0.0034	-0.0012	3.3947	4.5222	0.0194	-0.0047	4.5369
395	56.2	54.4	3.3954	-0.0036	-0.0011	3.3907	4.5298	0.0134	-0.0052	4.538
396	56.4	54.7	3.3922	-0.004	-0.0011	3.3871	4.5515	0.0088	0.0001	4.5605
397	56.2	55	3.3879	-0.0041	-0.001	3.3827	4.5785	0.0059	0.0015	4.5859
398	54.8	55.3	3.3831	-0.0043	-0.001	3.3778	4.5886	0.0046	0.0016	4.5948

399	55.7	55.7	3.3782	-0.0043	-0.0012	3.3727	4.5995	0.0066	0.0027	4.6088
400	55.4	55.8	3.3733	-0.0044	-0.0013	3.3676	4.6178	0.0091	0.007	4.6338
401	57.5	55.8	3.3701	-0.0044	-0.0016	3.3641	4.6429	0.0076	0.0059	4.6564
402	57.3	55.8	3.3668	-0.0043	-0.0019	3.3605	4.6808	0.0059	0.0043	4.691
403	52.9	55.9	3.3615	-0.0043	-0.0024	3.3548	4.7287	0.0039	0.0046	4.7372
404	55.5	56.1	3.3566	-0.0043	-0.0024	3.3499	4.773	0.0044	0.0017	4.779
405	56.2	56.1	3.3509	-0.0045	-0.0024	3.3441	4.7955	0.0044	0.0011	4.801
406	55.7	56	3.3474	-0.0043	-0.0023	3.3408	4.844	0.0005	0.002	4.8465
407	55.8	56.1	3.3431	-0.0043	-0.0024	3.3364	4.905	-0.0009	0.0018	4.9059
408	57.3	56.1	3.3382	-0.0047	-0.0026	3.331	4.9479	0.0018	0.0007	4.9505
409	56.8	56.1	3.3341	-0.0047	-0.0024	3.327	4.9925	0.0025	0.0018	4.9968
410	55.4	56.1	3.3296	-0.0044	-0.0023	3.3228	5.043	0.001	-0.0033	5.0407
411	56.5	55.9	3.3259	-0.0042	-0.0021	3.3195	5.047	0.0036	-0.0049	5.0457
412	57.1	55.7	3.3215	-0.0041	-0.002	3.3154	5.0732	0.0062	-0.0058	5.0736
413	56.5	55.8	3.3195	-0.0042	-0.0024	3.3129	5.0852	0.0069	-0.0054	5.0867
414	56.4	55.7	3.3134	-0.0042	-0.0026	3.3065	5.1047	0.006	-0.0045	5.1063
415	55.4	55.5	3.3068	-0.0042	-0.0029	3.2997	5.0963	0.0062	-0.0039	5.0986
416	56.7	55.4	3.3017	-0.0041	-0.003	3.2945	5.0875	0.007	-0.0059	5.0886
417	56.2	55.1	3.2966	-0.0041	-0.0027	3.2899	5.0411	0.0055	-0.0055	5.0411
418	55.3	55	3.2903	-0.004	-0.0024	3.2839	5.008	0.0079	-0.0039	5.0121
419	54.5	54.9	3.2849	-0.0041	-0.0024	3.2784	5.0407	0.0096	-0.0027	5.0477
420	53.6	54.8	3.2791	-0.0038	-0.0022	3.2731	5.0119	0.0124	-0.0034	5.0208
421	53.9	54.6	3.2752	-0.0038	-0.0016	3.2698	5.043	0.0133	-0.004	5.0524
422	55	54.6	3.2717	-0.0037	-0.0013	3.2667	5.0561	0.0157	-0.0047	5.0671
423	53.1	54.6	3.2659	-0.0033	-0.0008	3.2617	5.0648	0.0224	-0.009	5.0782
424	53.3	54.8	3.2653	-0.0034	-0.0007	3.2612	5.0718	0.0236	-0.0112	5.0841
425	53.3	55.1	3.266	-0.0032	-0.0008	3.2621	5.0619	0.027	-0.0121	5.0768
426	51.4	55.4	3.2626	-0.0029	-0.0008	3.2589	5.0677	0.0252	-0.008	5.0849
427	54.2	55.8	3.2556	-0.003	-0.0007	3.2519	5.0785	0.0249	-0.0075	5.0959
428	54.5	56.3	3.248	-0.003	-0.0005	3.2445	5.1235	0.0244	-0.0116	5.1363
429	53.8	56.9	3.2411	-0.0029	-0.0005	3.2377	5.1258	0.0253	-0.0143	5.1369
430	53.7	57.5	3.2362	-0.003	-0.0007	3.2325	5.1342	0.0211	-0.0164	5.1389
431	57.2	58.1	3.2308	-0.0033	-0.0009	3.2266	5.1971	0.0215	-0.0131	5.2055
432	56	58.7	3.2254	-0.0035	-0.001	3.2208	5.2174	0.0215	-0.0044	5.2345
433	59.2	59.3	3.2189	-0.0036	-0.0009	3.2144	5.2551	0.0217	0.0043	5.281
434	61.2	59.9	3.2129	-0.0038	-0.0009	3.2082	5.2904	0.0169	0.007	5.3143
435	63.3	60.5	3.2084	-0.0038	-0.0008	3.2038	5.3334	0.0149	0.0024	5.3507

436	64.3	61.2	3.2007	-0.0039	-0.001	3.1958	5.3847	0.0158	-0.0002	5.4002
437	64.4	61.6	3.1968	-0.0041	-0.0011	3.1915	5.4278	0.014	-0.001	5.4408
438	66.2	62.4	3.1912	-0.0044	-0.0011	3.1857	5.4492	0.013	-0.0007	5.4615
439	65.1	63	3.1858	-0.0044	-0.0011	3.1803	5.5079	0.0113	-0.0048	5.5143
440	65.3	63.5	3.1798	-0.0045	-0.0011	3.1742	5.5312	0.011	-0.01	5.5322
441	64.9	64	3.1742	-0.0044	-0.0012	3.1686	5.5697	0.01	-0.0121	5.5676
442	65.5	64.4	3.1692	-0.0044	-0.001	3.1638	5.6112	0.0099	-0.0132	5.6078
443	65.4	64.8	3.1633	-0.0043	-0.0009	3.1581	5.6376	0.0105	-0.009	5.6391
444	64.3	65.2	3.1575	-0.0039	-0.0009	3.1526	5.6751	0.0099	-0.0093	5.6757
445	63.9	65.5	3.1515	-0.0035	-0.0011	3.1468	5.7062	0.0057	-0.0103	5.7016
446	63.1	65.8	3.1448	-0.0035	-0.0013	3.14	5.7561	0.003	-0.0082	5.7509
447	68.8	66	3.1404	-0.0034	-0.0012	3.1358	5.799	0.0021	-0.0102	5.791
448	64.5	66.3	3.1342	-0.0037	-0.0012	3.1293	5.8505	0.0018	-0.0104	5.842
449	63.1	66.6	3.1281	-0.0039	-0.0015	3.1228	5.8749	0.0006	-0.01	5.8655
450	67.1	66.9	3.1221	-0.0038	-0.0015	3.1168	5.9066	0.0011	-0.011	5.8967
451	64.7	67.1	3.1151	-0.0038	-0.0013	3.11	5.9346	0.0016	-0.009	5.9273
452	66.6	67.3	3.1093	-0.0036	-0.0014	3.1043	5.9787	-0.0002	-0.0103	5.9682
453	68	67.5	3.1035	-0.0034	-0.0012	3.0988	6.0381	-0.0007	-0.0146	6.0228
454	69.6	67.9	3.0982	-0.0034	-0.0011	3.0936	6.0439	-0.0018	-0.0215	6.0207
455	69	68.1	3.0936	-0.0033	-0.0012	3.0891	6.0559	-0.005	-0.0228	6.0281
456	69.6	68.6	3.0877	-0.0033	-0.0012	3.0833	6.0738	-0.0058	-0.0227	6.0453
457	70.3	68.7	3.0833	-0.0034	-0.0012	3.0787	6.0819	-0.0022	-0.023	6.0567
458	71.2	69	3.0776	-0.0035	-0.0014	3.0727	6.1159	0.0008	-0.0197	6.097
459	71	69.4	3.0703	-0.0034	-0.001	3.0659	6.1401	-0.0001	-0.019	6.121
460	69.5	69.7	3.0654	-0.0037	-0.001	3.0607	6.1774	-0.0019	-0.0153	6.1601
461	69.9	70.1	3.0585	-0.0039	-0.0012	3.0534	6.2042	0.0002	-0.0103	6.1941
462	69.2	70.4	3.0519	-0.0038	-0.0015	3.0465	6.2551	0.005	-0.0073	6.2528
463	71	70.6	3.0458	-0.0037	-0.0016	3.0405	6.3046	0.0085	-0.0061	6.307
464	68.7	70.8	3.0409	-0.004	-0.0017	3.0352	6.3722	0.008	-0.0107	6.3695
465	71.5	71	3.0361	-0.0041	-0.0018	3.0302	6.3895	0.0087	-0.0141	6.3841
466	70.9	71.2	3.0314	-0.004	-0.0018	3.0256	6.4054	0.0084	-0.0212	6.3926
467	70.2	71.3	3.0275	-0.0042	-0.0017	3.0215	6.4256	0.009	-0.0243	6.4103
468	71.1	71.6	3.0182	-0.0045	-0.0014	3.0124	6.4572	0.0075	-0.0183	6.4464
469	72.3	71.9	3.0134	-0.0047	-0.0011	3.0076	6.4929	0.008	-0.0144	6.4866
470	73.3	72.3	3.0064	-0.0048	-0.001	3.0006	6.4912	0.0093	-0.0094	6.4912
471	72	72.7	2.9997	-0.0051	-0.001	2.9936	6.5296	0.011	-0.0027	6.5379
472	71.4	73.1	2.9931	-0.0057	-0.0006	2.9868	6.5367	0.0131	0.0034	6.5533

473	73.2	73.3	2.9882	-0.0059	-0.0006	2.9818	6.5743	0.0176	0.0065	6.5983
474	72.7	73.9	2.984	-0.0063	-0.0006	2.9771	6.5989	0.0228	0.0101	6.6318
475	73	74.1	2.9777	-0.0059	-0.0009	2.9709	6.6715	0.0215	0.011	6.704
476	73.5	74.6	2.9712	-0.0057	-0.001	2.9645	6.7507	0.0252	0.01	6.7859
477	75.7	75.3	2.9628	-0.0056	-0.0006	2.9565	6.8	0.0267	0.0072	6.8338
478	76.3	76.1	2.9571	-0.0053	-0.0004	2.9514	6.8063	0.0266	0.0029	6.8357
479	77.4	76.7	2.9515	-0.0049	-0.0002	2.9465	6.7995	0.0309	0.004	6.8344
480	77.4	77.3	2.942	-0.005	-0.0003	2.9367	6.7773	0.0339	0.0026	6.8137
481	77.8	78.1	2.9346	-0.005	-0.0008	2.9288	6.8151	0.0351	0.002	6.8522
482	74.6	78.8	2.9262	-0.0049	-0.001	2.9203	6.8422	0.0368	0.0028	6.8819
483	79.1	79.3	2.9191	-0.0045	-0.0013	2.9133	6.8729	0.0319	0.0035	6.9083
484	76.4	79.7	2.9094	-0.0044	-0.0011	2.9039	6.9873	0.0322	-0.0463	6.9732
485	79.7	80.1	2.8998	-0.0047	-0.0011	2.894	7.1061	0.0279	-0.2037	6.9303
486	83	80.5	2.8917	-0.0046	-0.0011	2.886	7.1342	0.0246	-0.2028	6.956
487	86.7	81	2.8845	-0.0045	-0.001	2.879	7.1341	0.0193	-0.2046	6.9489
488	85.1	81.4	2.8762	-0.0045	-0.0007	2.871	7.171	0.0188	-0.204	6.9858
489	84.2	81.6	2.8687	-0.0045	-0.0005	2.8637	7.192	0.0167	-0.2053	7.0034
490	86	82	2.8611	-0.0045	-0.0004	2.8562	7.2144	0.0164	-0.206	7.0248
491	84.4	82.4	2.8517	-0.0046	-0.0005	2.8466	7.2135	0.0132	-0.208	7.0187
492	84.4	83	2.8439	-0.0045	-0.0007	2.8387	7.2163	0.0086	-0.2015	7.0234
493	80.3	83.6	2.8357	-0.0043	-0.0005	2.8308	7.2484	0.0119	-0.2024	7.0579
494	79	84.3	2.8288	-0.004	-0.0002	2.8246	7.2529	0.0132	-0.2025	7.0636
495	82.2	84.8	2.8198	-0.0039	-0.0003	2.8156	7.2853	0.0156	-0.2043	7.0966
496	84.3	85.2	2.8123	-0.0042	-0.0001	2.808	7.2968	0.0199	-0.2074	7.1093
497	83.8	85.5	2.8028	-0.0043	0	2.7985	7.3104	0.0228	-0.2052	7.1279
498	81.8	85.9	2.7956	-0.0044	0	2.7912	7.3466	0.0246	-0.2034	7.1677
499	85	86.4	2.7876	-0.0044	-0.0001	2.783	7.3655	0.0209	-0.2047	7.1817
500	85.6	86.8	2.7799	-0.0045	-0.0004	2.7749	7.3948	0.0168	-0.2132	7.1985
501	86.3	87.3	2.7723	-0.0044	-0.0006	2.7673	7.4198	0.0167	-0.2185	7.218
502	90.5	87.7	2.763	-0.0042	-0.0005	2.7583	7.4367	0.0195	-0.2161	7.2402
503	90.1	88.5	2.7571	-0.0041	-0.0002	2.7528	7.4548	0.0287	-0.2115	7.2721
504	89	89.5	2.751	-0.0038	-0.0001	2.7471	7.4856	0.0361	-0.2059	7.3159
505	90.2	90.2	2.7435	-0.0039	-0.0001	2.7396	7.5173	0.0386	-0.2011	7.3548
506	93.3	90.8	2.7392	-0.0041	0	2.7351	7.5639	0.0473	-0.2009	7.4103
507	91.1	91.5	2.7315	-0.0044	-0.0004	2.7267	7.5865	0.0475	-0.2002	7.4339
508	93.6	92.3	2.7242	-0.0047	-0.0007	2.7188	7.6311	0.0432	-0.201	7.4733
509	94.9	92.7	2.7163	-0.0045	-0.0009	2.711	7.6492	0.0454	-0.1988	7.4958

510	93.5	93	2.7091	-0.0045	-0.0013	2.7034	7.65	0.0495	-0.1875	7.5121
511	92	93.4	2.7003	-0.0047	-0.0014	2.6942	7.6777	0.0494	-0.19	7.537
512	96.5	93.6	2.6911	-0.005	-0.0014	2.6847	7.689	0.0458	-0.1919	7.5429
513	97.1	93.9	2.6823	-0.005	-0.0013	2.6759	7.7025	0.0337	-0.1927	7.5435
514	96.2	94.1	2.6744	-0.0051	-0.0012	2.6681	7.7138	0.0358	-0.1927	7.5569
515	95.6	94.3	2.6662	-0.005	-0.0008	2.6604	7.7447	0.0351	-0.1932	7.5866
516	95.9	94.5	2.6591	-0.005	-0.0006	2.6535	7.7718	0.034	-0.194	7.6117
517	96.8	94.8	2.6509	-0.0048	-0.0009	2.6452	7.836	0.0496	-0.1864	7.6992
518	93.6	94.9	2.641	-0.0048	-0.001	2.6352	7.868	0.0675	-0.1829	7.7526
519	90.6	95.2	2.6357	-0.005	-0.0015	2.6293	7.8676	0.069	-0.1857	7.7509
520	93.7	95.6	2.6262	-0.0049	-0.0019	2.6193	7.901	0.0529	-0.1836	7.7703
521	95.2	95.9	2.6215	-0.0052	-0.0019	2.6144	7.9087	0.0426	-0.1889	7.7624
522	94.7	95.9	2.6143	-0.0054	-0.002	2.6069	7.9252	0.0276	-0.1841	7.7687
523	93.5	95.9	2.606	-0.0056	-0.0019	2.5985	7.9294	0.0151	-0.1685	7.776
524	94.9	96	2.5982	-0.0055	-0.0018	2.5908	7.9565	0.016	-0.1724	7.8001
525	96.6	96.1	2.591	-0.0057	-0.0018	2.5835	7.9974	0.0043	-0.1749	7.8267
526	97	96.2	2.5826	-0.0056	-0.0015	2.5755	8.0185	0.0116	-0.1789	7.8511
527	95.2	96.2	2.575	-0.0057	-0.001	2.5683	8.0429	0.0176	-0.1876	7.873
528	101	96.6	2.568	-0.006	-0.0009	2.5611	8.0441	0.0177	-0.1863	7.8755
529	100	97.2	2.5634	-0.0063	-0.0008	2.5563	8.068	0.0187	-0.1789	7.9078
530	97.3	97.3	2.5547	-0.0065	-0.0009	2.5473	8.1014	0.033	-0.1729	7.9615
531	97.8	97.7	2.5466	-0.007	-0.0012	2.5384	8.1075	0.034	-0.1811	7.9603
532	97.3	98.1	2.5381	-0.0067	-0.0014	2.53	8.1113	0.0308	-0.1829	7.9592
533	97.7	98.3	2.5202	-0.0068	0.0037	2.5171	8.136	0.031	-0.183	7.984
534	97.5	98.5	2.5023	-0.0066	0.0195	2.5152	8.1518	0.0331	-0.1855	7.9994
535	97.4	98.9	2.495	-0.0063	0.0195	2.5082	8.1477	0.0301	-0.184	7.9938
536	97.2	99.3	2.4873	-0.0059	0.0195	2.5009	8.1368	0.0261	-0.1839	7.979
537	101	99.6	2.4797	-0.006	0.0193	2.4929	8.1341	0.0244	-0.1849	7.9735
538	101	99.8	2.472	-0.0061	0.0194	2.4854	8.1549	0.0247	-0.189	7.9906
539	96.7	99.9	2.4644	-0.0061	0.0195	2.4778	8.1632	0.0234	-0.1872	7.9995
540	101	100	2.4584	-0.0058	0.0197	2.4723	8.1952	0.0247	-0.1788	8.0412
541	102	101	2.4526	-0.0053	0.019	2.4663	8.2171	0.0259	-0.1779	8.0651
542	97.6	101	2.4444	-0.0056	0.0192	2.458	8.2106	0.0242	-0.1904	8.0443
543	99.5	101	2.438	-0.0056	0.0193	2.4518	8.2223	0.0213	-0.1886	8.055
544	105	102	2.4289	-0.0055	0.0195	2.443	8.2261	0.0268	-0.1854	8.0675
545	103	102	2.4218	-0.0055	0.0196	2.4359	8.2385	0.0291	-0.1822	8.0854
546	101	103	2.4138	-0.0058	0.0192	2.4272	8.2338	0.0274	-0.1808	8.0803

547	104	103	2.4058	-0.0059	0.0191	2.4191	8.2502	0.0243	-0.177	8.0975
548	104	103	2.3976	-0.0058	0.0192	2.4111	8.2429	0.0227	-0.1778	8.0878
549	103	103	2.3887	-0.0056	0.0198	2.4029	8.2756	0.0207	-0.1853	8.1111
550	104	103	2.3801	-0.0055	0.0204	2.395	8.2839	0.0231	-0.1866	8.1204
551	107	103	2.3714	-0.0057	0.0203	2.386	8.3115	0.0235	-0.1819	8.1531
552	104	104	2.3638	-0.0065	0.0198	2.3771	8.2993	0.0209	-0.1833	8.1368
553	105	104	2.3549	-0.0071	0.0194	2.3672	8.2976	0.0207	-0.1789	8.1394
554	108	105	2.3464	-0.0073	0.019	2.3581	8.3537	0.0208	-0.1805	8.194
555	106	105	2.3372	-0.008	0.0189	2.3481	8.3666	0.0318	-0.1827	8.2157
556	98.6	106	2.3291	-0.008	0.0188	2.3399	8.3839	0.0346	-0.1869	8.2316
557	103	106	2.3202	-0.0077	0.0189	2.3314	8.4238	0.0339	-0.18	8.2777
558	104	107	2.3127	-0.008	0.0185	2.3231	8.434	0.0277	-0.1843	8.2774
559	103	107	2.3053	-0.0083	0.0177	2.3147	8.4403	0.0282	-0.1904	8.2781
560	105	108	2.2977	-0.0087	0.018	2.307	8.4405	0.0322	-0.198	8.2747
561	108	108	2.2896	-0.0085	0.018	2.2991	8.4529	0.0327	-0.2011	8.2846
562	109	108	2.2816	-0.0072	0.0178	2.2922	8.4521	0.0291	-0.1984	8.2827
563	110	108	2.2744	-0.0073	0.0177	2.2848	8.4514	0.0279	-0.1963	8.2831
564	113	109	2.2664	-0.0075	0.0176	2.2765	8.4517	0.0305	-0.1946	8.2876
565	114	109	2.2589	-0.0075	0.0176	2.269	8.4697	0.0347	-0.1951	8.3093
566	111	109	2.2478	-0.009	0.0168	2.2556	8.5061	0.0396	-0.1844	8.3613
567	113	109	2.2407	-0.011	0.0166	2.2463	8.5055	0.0357	-0.1763	8.3649
568	114	110	2.2315	-0.0114	0.0172	2.2373	8.5096	0.0339	-0.1822	8.3613
569	109	110	2.2233	-0.01	0.0172	2.2305	8.4867	0.0478	-0.1847	8.3497
570	110	111	2.2155	-0.0091	0.0179	2.2244	8.5228	0.0464	-0.1822	8.387
571	110	112	2.2072	-0.0079	0.0174	2.2167	8.4961	0.0496	-0.184	8.3617
572	111	112	2.2001	-0.0072	0.0163	2.2092	8.5272	0.0438	-0.1867	8.3843
573	110	112	2.1926	-0.0075	0.0167	2.2018	8.5408	0.0433	-0.1876	8.3964
574	109	112	2.1843	-0.0067	0.0169	2.1945	8.5427	0.0477	-0.1842	8.4062
575	107	112	2.1759	-0.007	0.017	2.1858	8.5487	0.0509	-0.18	8.4196
576	109	112	2.1669	-0.0075	0.0178	2.1772	8.5335	0.0479	-0.1827	8.3987
577	113	112	2.1584	-0.0074	0.018	2.169	8.5462	0.0407	-0.1795	8.4073
578	114	112	2.1503	-0.0072	0.0175	2.1606	8.5549	0.0292	-0.1758	8.4082
579	116	113	2.1414	-0.0082	0.0171	2.1503	8.5748	0.0235	-0.176	8.4223
580	118	113	2.1312	-0.0084	0.0178	2.1407	8.6106	0.0213	-0.1772	8.4547
581	119	114	2.1234	-0.0081	0.0175	2.1329	8.6152	0.0223	-0.1812	8.4563
582	114	114	2.1126	-0.008	0.0173	2.1219	8.6063	0.0113	-0.1866	8.431
583	113	114	2.1039	-0.0078	0.0173	2.1134	8.6071	0.0015	-0.1952	8.4134

584	114	115	2.0946	-0.0075	0.0173	2.1045	8.5138	-0.0026	-0.15	8.3612
585	113	116	2.0861	-0.0073	0.0173	2.0961	8.4201	0.0014	0.0065	8.428
586	112	117	2.0783	-0.007	0.0174	2.0886	8.4262	0.0074	0.0107	8.4443
587	113	117	2.069	-0.007	0.0179	2.0799	8.4435	0.012	0.013	8.4685
588	118	118	2.0599	-0.0068	0.018	2.0711	8.5637	0.0126	0.0104	8.5867
589	119	118	2.0491	-0.007	0.0174	2.0596	8.6551	0.0153	-0.1601	8.5104
590	115	119	2.0394	-0.0071	0.0174	2.0497	8.7724	0.0178	-0.2858	8.5044
591	120	119	2.0306	-0.007	0.0185	2.0421	8.8251	0.0203	-0.3077	8.5378
592	120	120	2.0217	-0.0066	0.0182	2.0332	8.8428	0.0207	-0.3282	8.5354
593	119	121	2.0131	-0.007	0.018	2.0241	8.8184	0.0231	-0.3352	8.5063
594	123	121	2.0049	-0.0069	0.018	2.016	8.8315	0.0211	-0.3432	8.5095
595	124	122	1.9964	-0.0067	0.0178	2.0076	8.8312	0.0133	-0.3544	8.4902
596	125	123	1.9873	-0.0066	0.0176	1.9983	8.8322	0.0148	-0.3579	8.489
597	125	124	1.9785	-0.0066	0.0178	1.9897	8.8289	0.0173	-0.3656	8.4806
598	125	124	1.968	-0.0064	0.0185	1.9801	8.8452	0.0268	-0.371	8.501
599	126	125	1.9592	-0.0067	0.0185	1.971	8.8462	0.0324	-0.3768	8.5018
600	127	125	1.9487	-0.0069	0.0178	1.9596	8.8238	0.0368	-0.3776	8.4831
601	127	126	1.9423	-0.0065	0.0178	1.9536	8.8061	0.0456	-0.3728	8.4789
602	129	127	1.9332	-0.0063	0.0174	1.9443	8.7999	0.0457	-0.3793	8.4664
603	128	128	1.9218	-0.0062	0.0178	1.9334	8.7993	0.0299	-0.3916	8.4376
604	125	128	1.9144	-0.007	0.0182	1.9255	8.7963	0.0181	-0.3976	8.4168
605	126	128	1.9052	-0.0073	0.0186	1.9164	8.7844	0.0168	-0.4075	8.3937
606	127	129	1.8968	-0.0075	0.018	1.9073	8.7395	0.009	-0.4091	8.3393
607	128	129	1.8881	-0.0072	0.018	1.8989	8.7298	0.0078	-0.406	8.3316
608	131	129	1.8802	-0.0075	0.0183	1.891	8.7162	0.013	-0.4061	8.3232
609	129	129	1.8723	-0.0077	0.0189	1.8835	8.7046	0.011	-0.4139	8.3018
610	131	129	1.8639	-0.0077	0.0188	1.8749	8.7039	0.0132	-0.4188	8.2983
611	134	130	1.8551	-0.0076	0.0184	1.8659	8.7058	0.0071	-0.4118	8.301
612	137	130	1.8459	-0.0077	0.0182	1.8564	8.6883	0.0007	-0.4092	8.2799
613	130	130	1.8371	-0.008	0.0181	1.8472	8.6979	0.0045	-0.4095	8.2929
614	131	131	1.8275	-0.0085	0.0183	1.8372	8.6746	-0.0008	-0.4096	8.2642
615	132	131	1.8156	-0.009	0.0176	1.8243	9.234	-0.005	-0.948	8.281
616	132	131	1.8086	-0.0086	0.017	1.817	10.1457	-0.0069	-1.826	8.3128
617	129	131	1.8	-0.0082	0.0173	1.8091	10.3793	-0.0265	-2.1233	8.2295
618	127	131	1.7924	-0.0096	0.0175	1.8002	10.3743	-0.0484	-2.1426	8.1833
619	128	131	1.7835	-0.0096	0.0168	1.7906	10.3313	-0.0508	-2.1356	8.1449
620	129	132	1.7766	-0.0099	0.0165	1.7832	10.3026	-0.0357	-2.1245	8.1424

621	131	131	1.7688	-0.0095	0.0167	1.776	10.307	-0.0195	-2.1222	8.1653
622	135	131	1.7602	-0.0097	0.0168	1.7672	10.2906	0.0007	-2.1339	8.1573
623	137	131	1.7517	-0.0104	0.0166	1.7579	10.2795	0.0041	-2.1475	8.1361
624	134	131	1.7433	-0.0106	0.0162	1.7489	10.2759	0.009	-2.1399	8.145
625	132	130	1.7376	-0.0105	0.0165	1.7436	10.2543	0.0228	-2.1252	8.1518
626	127	130	1.728	-0.0097	0.0164	1.7347	10.2377	0.0188	-2.1154	8.141
627	129	130	1.7195	-0.0086	0.0166	1.7275	10.2174	0.0038	-2.1076	8.1136
628	131	130	1.7105	-0.0084	0.0167	1.7188	10.1854	0.0018	-2.1052	8.082
629	138	130	1.7024	-0.0084	0.0169	1.7108	10.1577	0.0046	-2.0947	8.0676
630	128	129	1.6932	-0.0087	0.0172	1.7017	10.1291	0.0011	-2.0941	8.0362
631	128	129	1.686	-0.0081	0.0174	1.6953	10.0832	0.0088	-2.0723	8.0197
632	128	128	1.6774	-0.0069	0.0182	1.6887	10.0329	0.0124	-2.0594	7.9859
633	127	127	1.6688	-0.0066	0.0187	1.6809	9.972	0.014	-2.0571	7.9288
634	126	126	1.6603	-0.0067	0.0188	1.6724	9.9523	0.02	-2.0512	7.921
635	125	126	1.6524	-0.007	0.0184	1.6638	9.9279	0.0238	-2.0401	7.9115
636	126	125	1.643	-0.0071	0.0182	1.6541	9.9	0.0182	-2.0392	7.879
637	126	125	1.6233	-0.0073	0.0183	1.6343	9.8604	0.0162	-2.0259	7.8508
638	128	124	1.6065	-0.0076	0.0354	1.6343	9.8134	0.0143	-2.0056	7.8221
639	125	123	1.5871	-0.0079	0.0481	1.6274	9.7989	0.0148	-2.0044	7.8092
640	122	122	1.5759	-0.0078	0.0504	1.6185	9.747	0.0118	-2.0252	7.7337
641	118	121	1.5683	-0.0073	0.0518	1.6127	9.6873	0.0101	-2.0262	7.6711
642	123	121	1.5626	-0.0079	0.0527	1.6074	9.6468	0.0135	-2.0109	7.6493
643	117	121	1.5549	-0.0077	0.0536	1.6008	9.6109	0.0185	-2.0017	7.6277
644	118	120	1.5458	-0.0068	0.055	1.594	9.5714	0.015	-1.9998	7.5866
645	119	120	1.5386	-0.0069	0.0554	1.587	9.528	0.0099	-1.9845	7.5534
646	116	120	1.5309	-0.0075	0.0558	1.5792	9.5017	0.0057	-1.9765	7.5309
647	115	120	1.5213	-0.0085	0.0562	1.569	9.443	0.0064	-1.9614	7.488
648	115	120	1.513	-0.009	0.0569	1.5609	9.4724	0.0037	-1.9824	7.4936
649	114	119	1.5063	-0.0093	0.0576	1.5546	9.4031	0.0108	-1.9847	7.4292
650	120	120	1.4995	-0.01	0.0577	1.5472	9.3814	0.0093	-1.9831	7.4076
651	122	120	1.4914	-0.0103	0.0582	1.5394	9.3581	0.01	-2.0027	7.3654
652	120	120	1.4839	-0.0095	0.0589	1.5334	9.3634	0.0128	-2.0136	7.3625
653	119	120	1.4753	-0.0089	0.0592	1.5256	9.3443	0.0147	-2.0269	7.3321
654	118	120	1.468	-0.009	0.0597	1.5187	9.2906	0.0152	-2.021	7.2849
655	126	120	1.4633	-0.0089	0.0598	1.5142	9.2631	-0.0005	-2.0181	7.2445
656	123	120	1.4561	-0.0088	0.0594	1.5067	9.224	-0.0099	-2.0203	7.1937
657	123	120	1.4486	-0.009	0.0595	1.4991	9.2001	-0.0098	-2.0267	7.1636

658	122	121	1.4422	-0.0091	0.0599	1.493	9.1633	-0.0051	-2.031	7.1271
659	124	121	1.4349	-0.0097	0.0596	1.4848	9.1187	-0.0069	-2.0251	7.0867
660	124	121	1.4271	-0.0094	0.0592	1.4769	9.116	-0.008	-2.0159	7.0922
661	123	121	1.4208	-0.0086	0.0589	1.4711	9.0437	-0.0108	-2.0067	7.0261
662	115	121	1.4118	-0.0076	0.0587	1.4629	9.0085	-0.0134	-2.0136	6.9815
663	119	121	1.407	-0.0072	0.0587	1.4584	8.9748	-0.0147	-2.0265	6.9336
664	122	121	1.343	-0.007	0.1124	1.4484	8.9185	-0.0182	-2.028	6.8723
665	117	120	1.2444	-0.0068	0.2002	1.4378	8.8715	-0.0228	-2.0303	6.8183
666	119	120	1.2099	-0.0063	0.2291	1.4327	8.793	-0.0278	-2.0383	6.7269
667	121	119	1.2032	-0.0061	0.2308	1.4279	8.7572	-0.0227	-2.0409	6.6935
668	120	119	1.1983	-0.0063	0.2307	1.4228	8.7067	-0.018	-2.0274	6.6613
669	120	118	1.193	-0.0064	0.2297	1.4163	8.6715	-0.0318	-2.0162	6.6235
670	122	118	1.1848	-0.0071	0.2301	1.4078	8.6319	-0.0297	-2.01	6.5922
671	116	117	1.1782	-0.008	0.2308	1.401	8.6239	-0.0339	-2.0042	6.5859
672	121	117	1.1722	-0.0076	0.231	1.3955	8.6172	-0.0346	-1.999	6.5836
673	114	116	1.165	-0.0084	0.2307	1.3873	8.5533	-0.0383	-2.0014	6.5137
674	116	116	1.1588	-0.009	0.2294	1.3793	8.4746	-0.0475	-1.9951	6.432
675	116	115	1.1521	-0.0089	0.2285	1.3717	8.429	-0.0474	-2.0179	6.3638
676	115	115	1.1451	-0.0078	0.2286	1.3658	8.385	-0.0469	-2.0046	6.3335
677	115	114	1.1398	-0.0076	0.2285	1.3608	8.3158	-0.0402	-1.9946	6.2809
678	111	113	1.1345	-0.0077	0.227	1.3538	8.2373	-0.0273	-1.9765	6.2335
679	112	113	1.1285	-0.0083	0.2265	1.3467	8.2091	-0.0252	-1.9706	6.2133
680	113	112	1.1229	-0.0092	0.225	1.3387	8.1521	-0.0202	-1.9575	6.1745
681	105	112	1.1202	-0.0093	0.2235	1.3343	8.0924	-0.01	-1.9449	6.1375
682	111	111	1.1154	-0.0094	0.223	1.329	8.04	0.0002	-1.9335	6.1067
683	111	111	1.1087	-0.0098	0.2224	1.3213	7.9779	0.0243	-1.9229	6.0793
684	108	111	1.1018	-0.0098	0.2213	1.3133	7.4107	0.0414	-1.9186	5.5336
685	109	110	1.0961	-0.0091	0.2212	1.3082	7.6065	0.0461	-1.9454	5.7073
686	110	110	1.0922	-0.0086	0.22	1.3036	7.8864	0.0408	-1.9307	5.9965
687	109	109	1.0876	-0.0084	0.2185	1.2977	8.2947	0.0194	-1.9256	6.3885
688	111	109	1.08	-0.0083	0.2185	1.2901	8.1736	0.0056	-1.8685	6.3106
689	112	109	1.0744	-0.0082	0.2199	1.2862	7.7952	0	-1.7252	6.0701
690	111	108	1.0706	-0.0081	0.22	1.2825	7.6089	-0.0025	-1.563	6.0434
691	109	108	1.0659	-0.0083	0.2196	1.2772	7.5845	0.0024	-1.5556	6.0313
692	110	108	1.0606	-0.0085	0.2184	1.2704	7.6456	0.0189	-1.5538	6.1107
693	108	107	1.0559	-0.0085	0.218	1.2654	7.5726	0.015	-1.5231	6.0645
694	106	107	1.0521	-0.0079	0.2165	1.2607	7.5171	0.0167	-1.5377	5.9961

695	106	107	1.0463	-0.0072	0.2155	1.2545	7.4235	0.0245	-1.5115	5.9365
696	108	106	1.043	-0.0073	0.2138	1.2495	7.3884	0.0208	-1.5168	5.8925
697	108	106	1.0313	-0.007	0.216	1.2404	7.3402	0.0116	-1.5136	5.8382
698	102	105	1.0277	-0.0075	0.217	1.2372	7.2594	-0.0027	-1.5119	5.7448
699	104	104	1.0211	-0.0077	0.2168	1.2302	7.2208	-0.0088	-1.5198	5.6923
700	102	104	1.0129	-0.0079	0.2181	1.2231	7.1848	-0.0171	-1.5146	5.6531
701	102	103	1.006	-0.0077	0.2191	1.2174	7.1463	-0.0281	-1.5122	5.606
702	102	103	0.9988	-0.0078	0.2201	1.2111	7.0809	-0.031	-1.4897	5.5602
703	104	102	0.9927	-0.0077	0.2199	1.2049	7.0143	-0.0263	-1.4795	5.5085
704	103	101	0.9881	-0.007	0.22	1.2011	6.9816	-0.0187	-1.5092	5.4537
705	100	101	0.9828	-0.0064	0.2206	1.197	6.9071	-0.0167	-1.488	5.4024
706	102	100	0.9768	-0.0065	0.2207	1.191	6.8661	-0.0143	-1.4601	5.3917
707	98.8	99.4	0.9718	-0.0067	0.2211	1.1862	6.8037	-0.0153	-1.4578	5.3306
708	99.4	98.9	0.9683	-0.0068	0.2208	1.1824	6.7362	-0.0172	-1.4564	5.2626
709	101	98.4	0.9607	-0.0069	0.2205	1.1743	6.6891	-0.0161	-1.4449	5.2281
710	98.4	97.9	0.9595	-0.0067	0.2195	1.1723	6.6305	-0.02	-1.4325	5.1781
711	98.6	97.3	0.9543	-0.0063	0.2198	1.1678	6.5774	-0.0147	-1.4396	5.1231
712	94.1	96.7	0.9484	-0.0063	0.2209	1.163	6.5246	-0.0081	-1.4425	5.0739
713	93.6	95.8	0.9452	-0.0062	0.2209	1.1599	6.4392	-0.0002	-1.4402	4.9988
714	95.6	95	0.9403	-0.0063	0.2213	1.1554	6.3946	0.0056	-1.4351	4.9652
715	95	94.1	0.9363	-0.0062	0.2215	1.1516	5.7743	0.0058	-0.8884	4.8917
716	94.4	93.2	0.9328	-0.0063	0.2211	1.1476	4.8012	0.0053	-0.008	4.7984
717	94.1	92.5	0.9293	-0.0064	0.2201	1.143	4.4572	0.0086	0.284	4.7498
718	92.7	91.6	0.9252	-0.0064	0.2191	1.1379	4.3768	0.0137	0.306	4.6965
719	92	90.6	0.9203	-0.0067	0.2178	1.1314	4.3268	0.0082	0.2805	4.6154
720	90.9	89.7	0.9142	-0.0065	0.2169	1.1246	3.9468	0.0052	-0.4651	3.487
721	90.4	88.7	0.9071	-0.0061	0.2166	1.1176	5.161	0.0038	-0.4628	4.7019
722	86.7	87.7	0.9049	-0.0059	0.2169	1.1159	5.1533	-0.0068	-0.5038	4.6427
723	87.7	86.8	0.9042	-0.0056	0.2161	1.1147	5.1105	0.0012	-0.5156	4.5962
724	82.9	85.8	0.9004	-0.0059	0.218	1.1125	5.0661	-0.0051	-0.5285	4.5325
725	85.9	84.8	0.8991	-0.0058	0.2169	1.1103	5.0143	-0.0122	-0.5414	4.4607
726	84.5	83.9	0.8964	-0.0056	0.2159	1.1067	4.9607	-0.0105	-0.5537	4.3964
727	82.8	82.9	0.8958	-0.0058	0.2142	1.1041	4.8969	-0.0008	-0.5555	4.3406
728	81.9	81.8	0.8896	-0.0059	0.2138	1.0975	4.8429	0.0011	-0.5595	4.2845
729	80.6	80.8	0.8871	-0.0064	0.2127	1.0934	4.7919	0.0009	-0.5821	4.2108
730	78.8	79.7	0.884	-0.0077	0.2117	1.0879	4.7296	-0.0066	-0.5766	4.1464
731	75.9	78.5	0.882	-0.0081	0.2108	1.0847	4.6737	-0.0164	-0.5838	4.0736

732	76.8	77.5	0.8796	-0.0093	0.2105	1.0807	4.6425	-0.0171	-0.5959	4.0295
733	76.2	76.2	0.9277	-0.0107	0.2106	1.1276	4.5888	-0.018	-0.599	3.9718
734	76.5	75.2	0.8996	-0.0113	0.2134	1.1017	4.5229	-0.0211	-0.6008	3.9009
735	76.2	74	0.8637	-0.0111	0.2115	1.0642	4.4562	-0.0204	-0.5961	3.8397
736	75.4	72.8	0.8135	-0.009	0.2107	1.0152	4.3943	-0.0111	-0.5799	3.8032
737	72.9	71.7	0.8059	-0.0078	0.2051	1.0032	4.3813	-0.004	-0.588	3.7893
738	72.7	70.6	0.827	-0.0076	0.208	1.0273	4.3389	0.0021	-0.6004	3.7407
739	70.1	69.5	0.8263	-0.0076	0.2044	1.023	4.2708	0.0025	-0.603	3.6702
740	67.9	68.6	0.8175	-0.0081	0.206	1.0154	4.2261	-0.0008	-0.5897	3.6355
741	67.1	67.7	0.8037	-0.0092	0.2072	1.0017	4.1793	-0.0017	-0.5792	3.5984
742	63.2	66.8	0.8053	-0.0094	0.205	1.0009	4.1246	-0.0031	-0.568	3.5535
743	64.2	65.8	0.8032	-0.0094	0.2074	1.0012	4.0594	0.0017	-0.568	3.4931
744	62.2	64.8	0.8035	-0.0093	0.2061	1.0003	3.9987	0.0032	-0.559	3.443
745	62.3	63.7	0.7997	-0.009	0.2071	0.9978	3.9563	0.0052	-0.5683	3.3932
746	61.6	62.6	0.7968	-0.0087	0.2072	0.9953	3.8961	0.0114	-0.5722	3.3352
747	61.6	61.5	0.7953	-0.0083	0.2074	0.9945	3.8655	0.0119	-0.5825	3.2949
748	59.6	60.4	0.7909	-0.0082	0.2089	0.9917	3.7625	0.019	-0.5543	3.2272
749	60.2	59.5	0.7878	-0.0075	0.209	0.9893	3.7216	0.0177	-0.5402	3.1991
750	59.4	58.5	0.7849	-0.0072	0.2089	0.9866	3.7429	0.0211	-0.5303	3.2337
751	59.9	57.5	0.7834	-0.0072	0.2072	0.9833	6.2798	0.0141	-0.7677	5.5262
752	57.8	56.8	0.7825	-0.0068	0.2069	0.9825	7.8894	0.0153	-2.9911	4.9135
753	56.5	55.9	0.7771	-0.007	0.2101	0.9802	8.4269	0.0092	-3.6248	4.8113
754	54.8	55.1	0.7773	-0.0073	0.2085	0.9785	8.3594	0.0101	-3.6254	4.7441
755	54.8	54.4	0.7767	-0.0075	0.2058	0.975	8.3094	0.0162	-3.6214	4.7042
756	53.2	53.6	0.7757	-0.0073	0.2052	0.9737	8.2447	0.0185	-3.6196	4.6436
757	52.1	52.7	0.775	-0.0073	0.2051	0.9728	8.1727	0.0154	-3.6238	4.5643
758	51.4	51.9	0.7733	-0.0075	0.2044	0.9702	8.1016	0.0107	-3.614	4.4984
759	49.8	51	0.7718	-0.0077	0.2029	0.967	8.0634	0.0081	-3.6137	4.4578
760	48.7	50.1	0.7694	-0.0079	0.2031	0.9646	8.0019	0.0047	-3.6179	4.3887
761	49	49.2	0.7683	-0.0077	0.2032	0.9638	7.9811	0.0055	-3.6211	4.3655
762	48.1	48.3	0.7679	-0.0076	0.2027	0.963	7.9186	0.0136	-3.6169	4.3153
763	46.9	47.5	0.7675	-0.0078	0.2022	0.9619	7.8585	0.0162	-3.6002	4.2745
764	47.7	46.7	0.7656	-0.0076	0.2013	0.9592	7.8181	0.0197	-3.5795	4.2583
765	46.7	45.9	0.7642	-0.0073	0.201	0.9579	7.777	0.0197	-3.5696	4.227
766	44.9	45.1	0.7642	-0.0072	0.2007	0.9577	7.7348	0.0216	-3.5501	4.2063
767	44.8	44.4	0.7655	-0.0075	0.2002	0.9583	7.7001	0.019	-3.5369	4.1822
768	43.1	43.7	0.7657	-0.0071	0.2027	0.9613	7.6692	0.019	-3.5482	4.14

769	42.4	43.1	0.7983	-0.0069	0.2762	1.0676	7.6291	0.0227	-3.5591	4.0927
770	42	42.4	0.6687	-0.0075	0.2764	0.9376	7.5818	0.0209	-3.5591	4.0437
771	40.2	41.6	0.6628	-0.0073	0.2812	0.9367	7.5142	0.0165	-3.5471	3.9836
772	41.3	40.8	0.6611	-0.0077	0.2826	0.9359	7.4349	0.0193	-3.5408	3.9133
773	39.8	40.1	0.6584	-0.0078	0.2835	0.934	7.4182	0.0212	-3.5334	3.906
774	39.8	39.2	0.6574	-0.0078	0.2836	0.9332	7.4124	0.0271	-3.521	3.9185
775	38.4	38.4	0.6561	-0.0079	0.2839	0.9321	7.349	0.0282	-3.4735	3.9038
776	38.7	37.6	0.6554	-0.0078	0.2841	0.9318	7.3282	0.0302	-3.4695	3.8888
777	38.5	36.8	0.6555	-0.0077	0.2845	0.9323	7.3045	0.0335	-3.4753	3.8627
778	37.4	36.2	0.6553	-0.0078	0.2852	0.9328	7.3015	0.0374	-3.4888	3.8502
779	35.3	35.5	0.6555	-0.0077	0.2842	0.9321	7.2074	0.0384	-3.48	3.7658
780	34.3	34.7	0.6556	-0.0076	0.2834	0.9313	7.184	0.0372	-3.4812	3.74
781	33.9	34.1	0.6559	-0.0076	0.2831	0.9314	7.1363	0.0326	-3.484	3.6849
782	32.8	33.4	0.6565	-0.0076	0.2829	0.9318	7.124	0.0301	-3.4933	3.6608
783	31.3	32.7	0.6564	-0.0077	0.2825	0.9312	7.1074	0.0206	-3.4878	3.6402
784	30.3	32	0.6562	-0.0078	0.2809	0.9293	7.5832	0.0086	-3.4691	4.1227
785	30.2	31.4	0.6567	-0.008	0.2792	0.9279	7.316	-0.0013	-3.445	3.8698
786	30.4	30.7	0.6541	-0.0082	0.2788	0.9246	6.9708	-0.0089	-3.4699	3.492
787	30.6	30	0.6537	-0.0086	0.2785	0.9236	6.465	0.0054	-3.472	2.9985
788	28.6	29.3	0.6529	-0.0086	0.2788	0.9231	6.3997	0.0154	-3.5304	2.8847
789	28.1	28.8	0.6518	-0.0081	0.2789	0.9226	6.6192	0.0122	-3.5029	3.1285
790	28.6	28.4	0.6527	-0.0079	0.2779	0.9227	6.6045	0.0113	-3.5302	3.0856
791	28	27.9	0.6535	-0.008	0.2764	0.9218	6.5189	0.0096	-3.5189	3.0096
792	26.7	27.5	0.6547	-0.0087	0.2752	0.9211	6.3689	0.0051	-3.4915	2.8826
793	26.2	27	0.6561	-0.0088	0.2739	0.9211	6.3547	0.0196	-3.482	2.8922
794	26.1	26.6	0.6565	-0.0084	0.2733	0.9214	6.336	0.0293	-3.4521	2.9132
795	25.7	26.2	0.6566	-0.0084	0.2727	0.921	6.3449	0.0223	-3.4572	2.9099
796	25	25.7	0.6565	-0.0085	0.272	0.92	6.3009	0.009	-3.4316	2.8784
797	25.5	25.3	0.6551	-0.0089	0.2715	0.9176	6.2629	0.0007	-3.4249	2.8387
798	24.5	24.9	0.6556	-0.0093	0.271	0.9173	6.2311	0.0047	-3.4076	2.8283
799	26.4	24.6	0.6468	-0.0098	0.2699	0.9069	6.2027	0.0164	-3.3954	2.8237
800	25.1	24.1	0.3849	-0.0093	0.2948	0.6704	6.174	0.0384	-3.4006	2.8118
801	24.6	23.8	0.2171	-0.0093	0.5182	0.726	6.1328	0.038	-3.3914	2.7794
802	23.1	23.4	0.1561	-0.0087	0.5826	0.73	6.1042	0.0264	-3.3855	2.7452
803	22.3	23.1	0.1568	-0.0087	0.5824	0.7305	6.0981	0.0259	-3.3859	2.7381
804	22	22.7	0.1571	-0.0086	0.5821	0.7306	6.0447	0.0194	-3.3412	2.7228
805	21.8	22.4	0.1583	-0.0082	0.5826	0.7327	6.0607	0.0102	-3.3652	2.7057

806	21.7	22.1	0.1595	-0.008	0.583	0.7345	6.0491	0.0037	-3.3899	2.6629
807	21.9	21.8	0.1616	-0.0078	0.5825	0.7364	6.0349	0.0047	-3.3949	2.6446
808	21.8	21.6	0.162	-0.0076	0.5822	0.7366	6.0367	0.0068	-3.401	2.6425
809	20.7	21.2	0.1605	-0.0074	0.5823	0.7354	6.0252	0.0041	-3.4052	2.6242
810	20.7	20.9	0.1614	-0.0072	0.5816	0.7358	5.9898	0.0048	-3.3993	2.5953
811	20.5	20.7	0.1624	-0.0077	0.5815	0.7363	5.9563	-0.0015	-3.3853	2.5696
812	19	20.4	0.1626	-0.0079	0.5809	0.7356	5.9377	-0.0032	-3.3748	2.5597
813	19.6	20.3	0.1634	-0.0082	0.5789	0.7341	5.9504	0.0071	-3.3867	2.5708
814	19.7	20.1	0.1626	-0.0082	0.5783	0.7327	5.9518	0.0165	-3.4026	2.5658
815	19.6	20	0.1628	-0.0084	0.5765	0.7309	5.9295	0.0321	-3.4025	2.5592
816	19.7	19.8	0.1628	-0.0082	0.5748	0.7294	5.9076	0.0317	-3.3972	2.5422
817	19.7	19.6	0.1624	-0.0083	0.5749	0.729	5.8807	0.0311	-3.3584	2.5535
818	19.7	19.4	0.1623	-0.0087	0.575	0.7286	5.8916	0.0141	-3.3574	2.5483
819	19.8	19.2	0.1621	-0.0088	0.5737	0.727	5.895	0.0189	-3.3292	2.5847
820	19.3	19	0.1628	-0.0082	0.5716	0.7262	6.2261	0.0242	-2.5899	3.6603
821	19.1	19	0.1636	-0.008	0.5707	0.7263	4.9221	0.0218	-2.5852	2.3587
822	19.4	18.9	0.163	-0.008	0.5703	0.7253	4.8529	0.0265	-2.5357	2.3436
823	18.9	18.9	0.163	-0.0083	0.5682	0.7228	4.8214	0.0148	-2.5146	2.3216
824	18.5	18.8	0.1655	-0.0087	0.5653	0.7221	4.7834	0.0095	-2.4915	2.3015
825	17.9	18.7	0.1663	-0.0088	0.5639	0.7214	4.7742	0.005	-2.4827	2.2965
826	18	18.7	0.1659	-0.009	0.5634	0.7204	4.762	-0.0001	-2.4759	2.286
827	18	18.6	0.1656	-0.0096	0.5631	0.7191	4.7728	-0.002	-2.482	2.2888
828	17.2	18.5	0.1689	-0.0097	0.5618	0.7209	4.7766	-0.0047	-2.4704	2.3015
829	18.2	18.4	0.1687	-0.0101	0.5608	0.7194	4.7608	-0.0065	-2.4467	2.3075
830	18.8	18.3	0.1703	-0.011	0.5601	0.7194	4.7492	-0.0026	-2.4418	2.3049
831	18.7	18.2	0.1696	-0.0111	0.5601	0.7186	4.7472	0.0016	-2.447	2.3018
832	18.4	18.2	0.1688	-0.0114	0.5592	0.7167	4.7491	-0.0016	-2.4499	2.2976
833	18.6	18.1	0.1694	-0.0116	0.5575	0.7153	4.7551	0.0013	-2.4552	2.3013
834	18.3	18	0.168	-0.0112	0.5579	0.7147	4.7269	0.0038	-2.4424	2.2883
835	18.1	18	0.1667	-0.0102	0.5585	0.715	4.6937	0.0025	-2.4334	2.2628
836	18.3	18	0.167	-0.0095	0.5579	0.7154	4.688	0	-2.437	2.251
837	17.6	18	0.166	-0.0094	0.5582	0.7147	4.6594	-0.0027	-2.4295	2.2272
838	17.7	18.1	0.1651	-0.0088	0.5583	0.7145	4.6666	-0.0074	-2.4335	2.2257
839	18.2	18.1	0.1658	-0.0087	0.5574	0.7145	4.6657	-0.0056	-2.4196	2.2406
840	17.8	18	0.1656	-0.009	0.5579	0.7144	4.6538	0.0034	-2.4036	2.2535
841	17.9	18	0.1668	-0.0097	0.5563	0.7134	4.6654	0.0125	-2.4005	2.2773
842	17.5	17.9	0.1698	-0.0114	0.5532	0.7117	4.671	0.0145	-2.4058	2.2797

843	17.4	17.9	0.1696	-0.0123	0.5526	0.7099	4.6845	0.0113	-2.4184	2.2773
844	17.5	17.9	0.169	-0.0115	0.5518	0.7093	4.7304	0.0097	-2.445	2.2951
845	17.9	17.9	0.1696	-0.0099	0.5502	0.7099	4.7303	0.0115	-2.4492	2.2926
846	17.7	17.8	0.1706	-0.0087	0.5496	0.7115	4.7191	0.0021	-2.4475	2.2738
847	18.4	17.8	0.1722	-0.0087	0.5482	0.7117	4.6939	-0.0082	-2.4502	2.2355
848	18.4	17.8	0.1707	-0.0098	0.5484	0.7093	4.7072	-0.0131	-2.4754	2.2187
849	17.7	17.8	0.1704	-0.0114	0.5491	0.7081	4.7273	-0.0141	-2.4847	2.2285
850	17.8	17.8	0.1716	-0.011	0.548	0.7086	4.6504	-0.0203	-2.5041	2.126
851	18.1	17.8	0.1729	-0.0098	0.5457	0.7088	2.057	-0.0173	-2.2684	-0.2288
852	18.3	17.9	0.1726	-0.0094	0.5455	0.7087	0.396	-0.0181	-0.0341	0.3438
853	17.8	17.9	0.1726	-0.0089	0.5442	0.7079	-0.205	-0.0106	0.6055	0.3898
854	17.1	18	0.1712	-0.0083	0.5451	0.7079	-0.1841	-0.0119	0.5838	0.3878
855	17.4	18	0.1718	-0.0078	0.5448	0.7087	-0.174	-0.0143	0.5717	0.3833
856	18.3	18.1	0.1723	-0.0077	0.5447	0.7092	-0.1466	-0.0092	0.5603	0.4045
857	17.5	18.1	0.1713	-0.008	0.5452	0.7086	-0.1256	-0.0084	0.5703	0.4363
858	17.5	18.2	0.1708	-0.0079	0.5449	0.7077	-0.088	-0.0054	0.556	0.4627
859	18.2	18.2	0.1729	-0.0082	0.5428	0.7075	-0.097	-0.0019	0.5581	0.4592
860	18.4	18.3	0.1737	-0.0077	0.5417	0.7076	-0.1459	0.0007	0.5946	0.4494
861	18.4	18.3	0.1745	-0.0074	0.5407	0.7078	-0.1491	0.0001	0.6004	0.4514
862	18.3	18.3	0.1729	-0.0083	0.5414	0.7059	-0.1528	-0.0026	0.6177	0.4624
863	18.4	18.4	0.1723	-0.0094	0.5424	0.7053	-0.1528	-0.0021	0.6216	0.4666
864	18.6	18.4	0.1726	-0.0108	0.5415	0.7033	-0.1411	-0.0024	0.6007	0.4571
865	19.5	18.5	0.1735	-0.0105	0.5407	0.7037	-0.1377	0.0005	0.5913	0.454
866	19	18.5	0.1761	-0.0103	0.5366	0.7024	-0.1282	0.0004	0.5598	0.432
867	18.6	18.5	0.1764	-0.0089	0.536	0.7034	-0.143	-0.003	0.5456	0.3996
868	19.4	18.6	0.1762	-0.009	0.5356	0.7028	-0.1502	-0.0091	0.5484	0.3891
869	18.6	18.7	0.1757	-0.0093	0.5352	0.7016	-0.1345	-0.0077	0.5446	0.4025
870	18.8	18.7	0.1765	-0.0097	0.5349	0.7018	-0.1585	-0.0094	0.5608	0.3929
871	18.5	18.7	0.1775	-0.0099	0.5348	0.7024	-0.1476	-0.0036	0.5583	0.4072
872	18.4	18.8	0.179	-0.0092	0.534	0.7038	-0.1527	-0.0006	0.5602	0.4069
873	17.8	18.8	0.18	-0.0088	0.5327	0.7039	-0.1703	-0.0052	0.57	0.3945
874	18.3	18.7	0.18	-0.0083	0.5318	0.7036	-0.1676	-0.0068	0.5431	0.3687
875	19.1	18.6	0.1798	-0.0078	0.5315	0.7035	-0.1475	-0.0079	0.5371	0.3817
876	18.3	18.6	0.1782	-0.0076	0.5323	0.7029	-0.132	-0.0048	0.5306	0.3938
877	19.7	18.5	0.1779	-0.0072	0.5315	0.7022	-0.1241	-0.0034	0.5172	0.3897
878	18.9	18.5	0.1792	-0.0071	0.5299	0.702	-0.1333	-0.0062	0.5242	0.3846
879	19.1	18.5	0.1806	-0.0074	0.5284	0.7016	-0.1075	-0.0043	0.5249	0.4131

880	18.8	18.4	0.1808	-0.0078	0.5281	0.7012	-0.0836	-0.0059	0.5073	0.4178
881	18.8	18.5	0.181	-0.0074	0.528	0.7016	-0.0719	-0.0209	0.5129	0.4201
882	18.4	18.5	0.181	-0.0077	0.5284	0.7017	-0.0824	-0.0177	0.5224	0.4223
883	18	18.6	0.1837	-0.0081	0.5267	0.7024	-0.0977	-0.0151	0.5226	0.4098
884	17.8	18.7	0.1868	-0.008	0.5243	0.7031	-0.0815	-0.0235	0.5163	0.4114
885	17.4	18.8	0.1879	-0.008	0.5229	0.7028	-0.0908	-0.0189	0.5255	0.4158
886	17.9	18.9	0.1881	-0.008	0.5217	0.7019	-0.1384	-0.0089	0.5317	0.3844
887	18.4	19	0.1871	-0.0079	0.5219	0.7011	-0.1621	-0.002	0.5399	0.3758
888	18.4	19.1	0.1864	-0.008	0.5207	0.6991	-0.1794	0.0027	0.5753	0.3986
889	18.5	19.1	0.1865	-0.0084	0.5192	0.6973	-0.1822	0.0134	0.5994	0.4306
890	19.3	19.2	0.1862	-0.0092	0.518	0.695	-0.1656	0.0145	0.5978	0.4467
891	19.4	19.3	0.1864	-0.0095	0.517	0.6939	-0.1605	0.0131	0.609	0.4615
892	19.7	19.4	0.1862	-0.0098	0.517	0.6934	-0.1523	0.0112	0.5968	0.4558
893	20.5	19.5	0.183	-0.0098	0.5184	0.6916	-0.1293	-0.0017	0.5688	0.4377
894	19.7	19.6	0.1835	-0.0096	0.5182	0.6921	-0.1386	-0.0079	0.5613	0.4148
895	20.8	19.8	0.1847	-0.0086	0.5174	0.6936	-0.1446	-0.0027	0.5507	0.4034
896	21.2	19.9	0.1871	-0.0077	0.517	0.6964	-0.1096	0.0075	0.5294	0.4273
897	20.1	20	0.1843	-0.0076	0.519	0.6958	-0.0846	0.008	0.5162	0.4396
898	20.2	20.2	0.1828	-0.0079	0.5195	0.6945	-0.063	0.0055	0.5067	0.4493
899	20.5	20.3	0.1817	-0.0077	0.5203	0.6943	-0.0922	-0.0005	0.5324	0.4398
900	20.5	20.4	0.1792	-0.0076	0.5217	0.6933	-0.115	-0.0028	0.5621	0.4443
901	20.4	20.5	0.1775	-0.0075	0.5217	0.6916	-0.1044	0.0019	0.5707	0.4682
902	20.3	20.6	0.1766	-0.0076	0.5221	0.691	-0.0914	0.0155	0.5529	0.4771
903	20.2	20.7	0.1752	-0.0075	0.5241	0.6917	-0.0869	0.0225	0.548	0.4837
904	20.2	20.7	0.1746	-0.0072	0.5249	0.6923	-0.1137	0.027	0.5666	0.48
905	20.1	20.8	0.173	-0.0073	0.5265	0.6922	-0.1187	0.0337	0.5775	0.4925
906	20.6	20.8	0.1721	-0.0072	0.526	0.6909	-0.0949	0.0381	0.5657	0.5089
907	21.3	20.9	0.1704	-0.0072	0.5269	0.6901	-0.075	0.041	0.5489	0.5149
908	21.1	21	0.1717	-0.0074	0.5264	0.6907	-0.0642	0.0411	0.5402	0.5171
909	20.7	21.1	0.1751	-0.0074	0.5228	0.6905	-0.0351	0.0484	0.5199	0.5332
910	22.2	21.2	0.1763	-0.0072	0.5216	0.6906	-0.0005	0.0468	0.4875	0.5339
911	21.4	21.3	0.1777	-0.0074	0.5197	0.69	-0.0182	0.0515	0.5127	0.5459
912	21.1	21.4	0.1779	-0.0077	0.5187	0.6889	-0.0166	0.0557	0.5002	0.5394
913	21.1	21.5	0.1775	-0.008	0.5188	0.6884	-0.0244	0.0487	0.5121	0.5365
914	21	21.6	0.1764	-0.0083	0.5191	0.6873	-0.0414	0.0425	0.5406	0.5418
915	21.7	21.7	0.1757	-0.0084	0.5205	0.6877	-0.0478	0.0263	0.5389	0.5174
916	22.4	21.8	0.1771	-0.0079	0.5202	0.6895	-0.0443	0.0456	0.5416	0.5429

917	22.8	21.9	0.1774	-0.0074	0.5201	0.6901	-0.018	0.0442	0.4886	0.5148
918	22.1	22	0.1757	-0.0079	0.5205	0.6884	-0.0267	0.0564	0.5028	0.5325
919	21.6	22	0.1779	-0.0078	0.5176	0.6877	-0.0076	0.0636	0.4908	0.5468
920	22.7	22	0.1775	-0.0078	0.5158	0.6855	0.0202	0.054	0.4666	0.5408
921	21.6	22.1	0.1789	-0.0079	0.5147	0.6856	0.0498	0.0464	0.4494	0.5456
922	22.4	22.2	0.1801	-0.0075	0.5133	0.6858	0.0739	0.048	0.439	0.5609
923	22.2	22.2	0.1798	-0.0077	0.5139	0.686	0.0845	0.0677	0.4352	0.5874
924	22.4	22.2	0.1802	-0.0079	0.5116	0.6839	0.0814	0.0807	0.4471	0.6092
925	22.8	22.2	0.1795	-0.0083	0.5108	0.682	0.062	0.0919	0.453	0.6068
926	22.7	22.2	0.1783	-0.0086	0.5117	0.6814	0.0603	0.1064	0.4515	0.6183
927	22.1	22.1	0.1789	-0.009	0.5107	0.6807	0.0497	0.1011	0.4955	0.6463
928	21.9	22.1	0.1796	-0.0093	0.5093	0.6796	-0.0028	0.076	0.5134	0.5866
929	22.2	22	0.1771	-0.0095	0.5101	0.6776	-0.0344	0.0614	0.5308	0.5577
930	22.9	21.9	0.1775	-0.0089	0.5088	0.6774	-0.0634	0.045	0.5386	0.5202
931	22.4	21.9	0.1778	-0.0094	0.5079	0.6764	-0.0477	0.0197	0.5293	0.5014
932	21.9	21.8	0.1786	-0.0099	0.507	0.6757	-0.0465	0.016	0.5406	0.5101
933	21	21.6	0.1775	-0.0092	0.5058	0.6742	-0.0426	0.0094	0.5253	0.4921
934	21.9	21.5	0.1771	-0.0093	0.5053	0.6731	0.0065	0.0028	0.499	0.5084
935	22.3	21.2	0.1805	-0.0093	0.5053	0.6765	0.0294	-0.0059	0.4831	0.5067
936	21.4	21	0.1832	-0.0093	0.5039	0.6778	0.0159	-0.0092	0.4891	0.4959
937	20.7	20.9	0.1839	-0.0097	0.5006	0.6749	-0.0025	-0.0071	0.4968	0.4871
938	21.2	20.7	0.1833	-0.0102	0.4983	0.6714	-0.0328	-0.0051	0.514	0.4761
939	20.6	20.5	0.1824	-0.0102	0.4976	0.6698	-0.0639	-0.0068	0.526	0.4553
940	20.2	20.3	0.1816	-0.0103	0.497	0.6683	-0.063	-0.0125	0.5163	0.4408
941	20.7	20.2	0.182	-0.0109	0.4967	0.6678	-0.0688	-0.0184	0.5121	0.4249
942	20	20	0.1828	-0.0112	0.4963	0.6679	-0.0715	-0.0233	0.518	0.4231
943	19.2	19.9	0.1834	-0.0115	0.4965	0.6684	-0.0863	-0.0287	0.5333	0.4183
944	18.1	19.8	0.1834	-0.0112	0.4968	0.669	-0.1151	-0.0299	0.5461	0.4012
945	19	19.7	0.1806	-0.0107	0.4973	0.6672	-0.0965	-0.0297	0.5471	0.4209
946	18.7	19.6	0.179	-0.0095	0.498	0.6675	-0.0926	-0.0188	0.5632	0.4518
947	18.7	19.6	0.1785	-0.0093	0.4975	0.6667	-0.0655	-0.0062	0.5596	0.4879
948	19.4	19.6	0.1799	-0.0098	0.4952	0.6653	-0.0681	0.0015	0.5752	0.5085
949	18.9	19.6	0.1819	-0.0111	0.4929	0.6637	-0.094	0.0043	0.6137	0.5239
950	19.1	19.7	0.182	-0.0112	0.491	0.6618	-0.1102	0.0075	0.6267	0.524
951	19.5	19.7	0.1821	-0.0114	0.4904	0.6611	-0.136	0.0152	0.6511	0.5303
952	19.3	19.8	0.1813	-0.0117	0.4907	0.6603	-0.1667	0.0196	0.6733	0.5262
953	19.2	20	0.184	-0.0116	0.4876	0.6599	-0.1652	0.0174	0.6775	0.5297

954	20	20.1	0.1831	-0.0117	0.4873	0.6587	-0.1518	0.0171	0.6761	0.5414
955	20.3	20.3	0.1812	-0.0116	0.4882	0.6578	-0.1544	0.0217	0.6911	0.5585
956	20.4	20.5	0.1798	-0.0118	0.4898	0.6577	-0.157	0.0208	0.718	0.5818
957	20.8	20.7	0.1777	-0.0121	0.4912	0.6569	-0.1592	0.0322	0.7198	0.5928
958	20.8	20.9	0.1743	-0.0128	0.4929	0.6544	-0.1788	0.0375	0.7412	0.5999
959	22.2	21	0.1729	-0.0128	0.494	0.6541	-0.1802	0.0315	0.7485	0.5998
960	21.5	21.2	0.1755	-0.0129	0.4904	0.653	-0.1406	0.0221	0.7236	0.6051
961	21.7	21.3	0.1762	-0.013	0.4907	0.6538	-0.1246	0.0297	0.7266	0.6317
962	21.4	21.5	0.1753	-0.0132	0.4902	0.6523	-0.0839	0.0299	0.6966	0.6426
963	21.4	21.6	0.1765	-0.0137	0.4884	0.6511	-0.0739	0.0265	0.6715	0.6241
964	21.6	21.7	0.1774	-0.0134	0.4876	0.6516	-0.0919	0.02	0.6917	0.6197
965	22.5	21.7	0.1779	-0.0151	0.4866	0.6494	-0.1234	0.014	0.7241	0.6147
966	22.8	21.8	0.1779	-0.0147	0.4877	0.6509	-0.1417	0.0111	0.7475	0.617
967	23.1	21.8	0.1791	-0.0145	0.4857	0.6502	-0.1484	0.018	0.7671	0.6367
968	22	21.8	0.1769	-0.0153	0.4865	0.6481	-0.1485	0.0242	0.7677	0.6434
969	22.2	21.7	0.1737	-0.0147	0.4885	0.6475	-0.1481	0.0206	0.7603	0.6328
970	22.3	21.6	0.1715	-0.0143	0.49	0.6472	-0.1266	0.0192	0.7337	0.6262
971	22.2	21.6	0.1701	-0.0147	0.4909	0.6463	-0.1482	0.0143	0.7429	0.6091
972	22.1	21.5	0.1705	-0.016	0.4905	0.645	-0.1509	0.0099	0.7482	0.6073
973	21	21.4	0.1719	-0.0169	0.4879	0.643	-0.103	0.0129	0.6958	0.6057
974	20.9	21.4	0.1738	-0.0174	0.4865	0.6429	-0.1249	0.0143	0.722	0.6115
975	21.7	21.3	0.1738	-0.0185	0.4863	0.6416	-0.1384	0.0198	0.7261	0.6074
976	20.6	21.1	0.1732	-0.0177	0.4828	0.6383	-0.1258	0.0244	0.7001	0.5987
977	20.7	20.9	0.1782	-0.0148	0.4802	0.6435	-0.1586	0.0281	0.731	0.6005
978	19.8	20.9	0.1827	-0.0132	0.4768	0.6462	-0.155	0.0276	0.7227	0.5953
979	21.2	20.8	0.1869	-0.0119	0.4745	0.6496	-0.1222	0.0239	0.6881	0.5899
980	20.6	20.7	0.1856	-0.0097	0.4751	0.651	-0.1549	0.0164	0.7158	0.5773
981	20.2	20.6	0.1856	-0.009	0.474	0.6506	-0.1443	0.0188	0.7063	0.5808
982	19.9	20.6	0.1853	-0.0087	0.4759	0.6525	-0.1408	0.0119	0.6984	0.5695
983	20.2	20.7	0.1831	-0.0084	0.4768	0.6515	-0.1543	0.0021	0.6966	0.5444
984	20.3	20.7	0.1839	-0.0075	0.4759	0.6524	-0.1496	0.0009	0.6654	0.5166
985	19.9	20.8	0.1863	-0.0071	0.474	0.6532	-0.137	-0.003	0.6531	0.5131
986	19.9	20.9	0.1884	-0.0072	0.4721	0.6532	-0.0788	-0.0054	0.6375	0.5533
987	20.4	21	0.1904	-0.0074	0.4705	0.6535	-0.0451	-0.0133	0.6227	0.5642
988	20.4	21.2	0.1928	-0.0073	0.4681	0.6535	-0.0446	-0.0156	0.5949	0.5346
989	20.9	21.2	0.1928	-0.0072	0.4676	0.6532	-0.0585	-0.0156	0.5722	0.4982
990	21.4	21.3	0.193	-0.0073	0.4668	0.6525	-0.0862	-0.0047	0.5873	0.4963

991	21.6	21.4	0.1935	-0.0072	0.4652	0.6516	-0.091	-0.0055	0.5821	0.4856
992	22.1	21.5	0.1948	-0.0069	0.4637	0.6516	-0.0821	-0.013	0.5758	0.4806
993	22.3	21.7	0.1945	-0.0068	0.4638	0.6515	-0.0804	-0.0178	0.581	0.4828
994	21.7	21.9	0.1931	-0.0066	0.4635	0.65	-0.0696	-0.0224	0.5835	0.4915
995	22.8	22	0.194	-0.0067	0.4611	0.6484	-0.0682	-0.023	0.5946	0.5034
996	23.4	22.2	0.1936	-0.007	0.4611	0.6476	-0.0994	-0.0165	0.6073	0.4913
997	22.5	22.3	0.1912	-0.0077	0.4615	0.6449	-0.1119	-0.0033	0.615	0.4998
998	22.6	22.5	0.1922	-0.0083	0.4581	0.6421	-0.1051	0.0017	0.6047	0.5013
999	22.7	22.5	0.1927	-0.0085	0.4576	0.6419	-0.0954	-0.002	0.5924	0.4951
1000	22.1	22.5	0.1928	-0.0091	0.4566	0.6403	-0.079	-0.0183	0.5734	0.4761
1001	21.9	22.5	0.1941	-0.0094	0.4543	0.639	-0.0539	-0.0233	0.5451	0.4678
1002	23.4	22.5	0.1931	-0.0094	0.4543	0.638	-0.055	-0.026	0.5382	0.4572
1003	23.6	22.4	0.1904	-0.0093	0.4564	0.6375	-0.0628	-0.0305	0.5492	0.4559
1004	23.2	22.3	0.19	-0.0093	0.4558	0.6365	-0.033	-0.0264	0.5276	0.4682
1005	23.3	22.2	0.1887	-0.0094	0.4547	0.634	-0.0168	-0.0221	0.5036	0.4647
1006	22.7	22.1	0.188	-0.0104	0.454	0.6316	-0.0432	-0.0225	0.519	0.4533
1007	22.4	22	0.1883	-0.011	0.4528	0.6301	-0.0601	-0.0238	0.5378	0.4539
1008	21.8	21.9	0.1897	-0.0106	0.4515	0.6307	-0.0633	-0.0231	0.5397	0.4533
1009	21.5	21.8	0.1891	-0.0096	0.4505	0.6299	-0.079	-0.0277	0.5413	0.4346
1010	21.7	21.8	0.1888	-0.0102	0.4489	0.6275	-0.1027	-0.0259	0.565	0.4363
1011	21.8	21.8	0.1861	-0.0104	0.4501	0.6258	-0.0927	-0.0249	0.5536	0.4361
1012	20.2	21.7	0.1853	-0.0103	0.4516	0.6265	-0.0806	-0.0272	0.5575	0.4497
1013	20.9	21.7	0.1867	-0.01	0.4496	0.6264	-0.0786	-0.0329	0.5452	0.4336
1014	20.5	21.6	0.1887	-0.0097	0.4467	0.6258	-0.0746	-0.0337	0.5373	0.429
1015	20.5	21.6	0.1898	-0.0095	0.4457	0.626	-0.0666	-0.0332	0.5331	0.4334
1016	20.8	21.6	0.192	-0.0097	0.4435	0.6258	-0.0608	-0.055	0.5234	0.4076
1017	21	21.7	0.1922	-0.0098	0.4433	0.6257	-0.086	-0.0506	0.5612	0.4246
1018	21.1	21.7	0.1906	-0.01	0.4445	0.6251	-0.0774	-0.0524	0.5508	0.421
1019	21.2	21.8	0.1906	-0.0097	0.4442	0.6251	-0.0997	-0.0576	0.5569	0.3996
1020	21.9	21.8	0.1923	-0.0092	0.4415	0.6246	-0.1297	-0.0535	0.5823	0.399
1021	22.6	21.8	0.1939	-0.0089	0.4399	0.6249	-0.143	-0.051	0.596	0.402
1022	22.8	21.9	0.1904	-0.0088	0.4437	0.6253	-0.1518	-0.0566	0.6013	0.3929
1023	21.6	21.9	0.1922	-0.0091	0.4417	0.6248	-0.1417	-0.0715	0.5998	0.3866
1024	22.8	22	0.1941	-0.0099	0.439	0.6232	-0.1287	-0.0781	0.5828	0.376
1025	24	22.1	0.1921	-0.0108	0.4408	0.6221	-0.1045	-0.0854	0.5624	0.3724
1026	23.1	22.2	0.1942	-0.0114	0.4386	0.6214	-0.1042	-0.0963	0.5611	0.3606
1027	22.9	22.2	0.1944	-0.0117	0.4384	0.6211	-0.1221	-0.087	0.5381	0.329

1028	22.4	22.3	0.1919	-0.0117	0.4404	0.6206	-0.073	-0.059	0.5149	0.3829
1029	21.9	22.2	0.1926	-0.0112	0.4385	0.6199	-0.0184	-0.0418	0.476	0.4158
1030	21.8	22.2	0.192	-0.0108	0.4382	0.6193	0.0289	-0.0297	0.4674	0.4666
1031	21.6	22.2	0.1919	-0.0105	0.438	0.6194	0.0374	-0.0048	0.4604	0.4931
1032	22.3	22.1	0.194	-0.0101	0.4373	0.6213	0.0433	0.0054	0.4497	0.4985
1033	22.4	22.2	0.1925	-0.0093	0.4393	0.6225	0.0591	0.0113	0.4616	0.532
1034	21.9	22.1	0.1908	-0.009	0.44	0.6218	0.0665	0.0179	0.4454	0.5298
1035	22.2	22.1	0.1884	-0.0088	0.4416	0.6212	0.0839	0.0311	0.4403	0.5553
1036	21.9	22.1	0.1877	-0.008	0.4417	0.6214	0.1195	0.0375	0.422	0.5789
1037	21.7	22.1	0.1884	-0.0081	0.4411	0.6214	0.1453	0.0347	0.4134	0.5934
1038	20.9	22.1	0.1891	-0.0086	0.4411	0.6216	0.16	0.0383	0.4075	0.6058
1039	21.4	22.1	0.191	-0.0097	0.4389	0.6202	0.1668	0.0408	0.3852	0.5928
1040	21.7	22.1	0.1907	-0.0098	0.4388	0.6197	0.162	0.0369	0.3786	0.5776
1041	22	22.1	0.1903	-0.0096	0.4391	0.6198	0.1704	0.0272	0.3733	0.5709
1042	22.3	22.1	0.1908	-0.0094	0.4383	0.6196	0.1797	0.0265	0.369	0.5752
1043	22.1	22.1	0.1904	-0.0093	0.4381	0.6193	0.1995	0.0253	0.3594	0.5842
1044	22.7	22.1	0.1902	-0.0089	0.4373	0.6186	0.2122	0.0272	0.357	0.5964
1045	23.3	22	0.1905	-0.009	0.4366	0.6181	0.198	0.0308	0.3497	0.5784
1046	22.9	22	0.1902	-0.0092	0.4365	0.6175	0.2123	0.0291	0.325	0.5663
1047	22.3	22	0.189	-0.0095	0.437	0.6166	0.2208	0.0285	0.3179	0.5672
1048	22.4	22.1	0.1894	-0.0096	0.436	0.6158	0.2049	0.026	0.3137	0.5446
1049	22.7	22.1	0.1898	-0.0093	0.4355	0.6161	0.2246	0.0183	0.28	0.523
1050	21.9	22.1	0.1874	-0.0089	0.4365	0.615	0.2433	0.0116	0.272	0.5269
1051	22	22	0.1876	-0.0088	0.4366	0.6154	0.2653	0.0067	0.2532	0.5252
1052	22	22	0.1876	-0.0086	0.4358	0.6148	0.2803	0.0005	0.2312	0.5119
1053	21	22	0.1873	-0.009	0.4348	0.6131	0.2785	0.0031	0.2266	0.5081
1054	21.5	21.9	0.1848	-0.0095	0.437	0.6122	0.2542	0.0045	0.2454	0.5042
1055	22	21.9	0.1856	-0.0094	0.4363	0.6125	0.2502	0.002	0.238	0.4902
1056	21.7	21.9	0.1858	-0.0095	0.436	0.6123	0.2482	0.002	0.2175	0.4676
1057	21.8	21.9	0.184	-0.0098	0.4373	0.6115	0.2473	-0.0082	0.2116	0.4506
1058	21.3	21.8	0.1822	-0.01	0.4388	0.611	0.2487	-0.0144	0.2102	0.4445
1059	21.2	21.8	0.1832	-0.0102	0.4375	0.6105	0.2604	-0.0148	0.1971	0.4427
1060	21.6	21.8	0.1848	-0.0104	0.435	0.6094	0.2626	-0.0074	0.1674	0.4226
1061	22	21.8	0.1842	-0.0103	0.4349	0.6089	0.2459	-0.0121	0.1638	0.3977
1062	21.6	21.7	0.1832	-0.0099	0.4357	0.6089	0.1995	-0.013	0.1981	0.3846
1063	21.7	21.7	0.1839	-0.0103	0.4346	0.6083	0.2021	-0.0135	0.2006	0.3893
1064	22.1	21.7	0.184	-0.0101	0.4343	0.6082	0.2102	-0.0117	0.1911	0.3896

1065	22.5	21.7	0.184	-0.0096	0.4342	0.6086	0.2201	-0.014	0.1826	0.3886
1066	22.2	21.7	0.1865	-0.0097	0.4316	0.6084	0.2154	-0.0092	0.184	0.3902
1067	21.5	21.7	0.1868	-0.0093	0.4306	0.6081	0.2338	-0.0078	0.1731	0.399
1068	21.9	21.7	0.1869	-0.0096	0.4309	0.6082	0.2325	-0.0071	0.1805	0.4059
1069	21.6	21.8	0.1867	-0.0094	0.4303	0.6076	0.2112	-0.0107	0.2025	0.403
1070	22.1	21.7	0.1858	-0.0092	0.4304	0.607	0.2099	-0.0086	0.2034	0.4048
1071	20.9	21.7	0.1853	-0.0091	0.4307	0.607	0.2263	-0.0063	0.1822	0.4022
1072	21.2	21.8	0.1847	-0.0088	0.4305	0.6064	0.2463	-0.0076	0.1634	0.4021
1073	21.8	21.8	0.1848	-0.0091	0.4297	0.6054	0.2109	-0.0079	0.2049	0.4078
1074	21.6	21.8	0.1843	-0.0089	0.4303	0.6056	0.2304	-0.0082	0.1874	0.4095
1075	21.5	21.7	0.1842	-0.0089	0.4302	0.6056	0.2468	-0.0114	0.1641	0.3995
1076	21.5	21.7	0.1854	-0.009	0.4289	0.6054	0.2136	-0.0207	0.2032	0.3961
1077	22.2	21.6	0.1855	-0.0089	0.4287	0.6052	0.2283	-0.0319	0.1819	0.3783
1078	22	21.6	0.1845	-0.0091	0.4292	0.6047	0.2342	-0.0394	0.1787	0.3735
1079	20.9	21.6	0.184	-0.0089	0.4278	0.6029	0.2138	-0.0398	0.2017	0.3757
1080	22.2	21.6	0.1819	-0.0093	0.4291	0.6017	0.2255	-0.0336	0.1874	0.3793
1081	22.5	21.6	0.1813	-0.0096	0.429	0.6007	0.2157	-0.0263	0.199	0.3885
1082	22.4	21.6	0.1794	-0.0098	0.4297	0.5993	0.2193	-0.022	0.1954	0.3927
1083	21.4	21.5	0.1764	-0.0101	0.4323	0.5986	0.2444	-0.0167	0.1867	0.4145
1084	20.8	21.4	0.1755	-0.0106	0.4319	0.5969	0.2089	-0.0085	0.2227	0.4232
1085	21.3	21.3	0.1744	-0.0108	0.4318	0.5953	0.1711	-0.0063	0.2343	0.3991
1086	21.1	21.2	0.1739	-0.0107	0.4307	0.5939	0.1436	-0.0024	0.2451	0.3863
1087	21.5	21	0.1744	-0.0112	0.4297	0.5929	0.1365	0.0052	0.2478	0.3894
1088	21.4	20.9	0.1761	-0.0114	0.4296	0.5943	0.1444	0.0085	0.2486	0.4015
1089	21.8	20.9	0.1766	-0.0109	0.4297	0.5954	0.1493	0.0096	0.2593	0.4183
1090	21.5	20.8	0.176	-0.0101	0.4294	0.5954	0.157	-0.0011	0.252	0.4078
1091	20.9	20.7	0.1756	-0.0098	0.4283	0.594	0.1562	-0.0039	0.2554	0.4077
1092	20.1	20.6	0.1749	-0.0095	0.4277	0.5932	0.1453	-0.002	0.273	0.4162
1093	19.5	20.6	0.1733	-0.0095	0.4281	0.5919	0.1655	0.0028	0.261	0.4293
1094	19.6	20.6	0.1733	-0.0097	0.4285	0.5922	0.1628	0.0028	0.2658	0.4314
1095	19.7	20.6	0.1728	-0.0096	0.4286	0.5918	0.1715	0.0048	0.2595	0.4359
1096	19.5	20.7	0.1715	-0.0099	0.4293	0.5909	0.1787	0.0049	0.2576	0.4412
1097	19.9	20.7	0.1707	-0.0103	0.4301	0.5905	0.1773	0.007	0.2629	0.4471
1098	20.5	20.6	0.1698	-0.0101	0.4301	0.5898	0.1675	0.0085	0.2708	0.4469
1099	20.2	20.6	0.1684	-0.0097	0.4304	0.5892	0.1711	0.0081	0.2649	0.4441
1100	20.6	20.5	0.1663	-0.0098	0.4312	0.5878	0.1753	0.0095	0.2622	0.447
1101	20.5	20.5	0.1661	-0.0095	0.4312	0.5878	0.1421	0.0162	0.2801	0.4384

1102	20.9	20.5	0.1653	-0.0097	0.4316	0.5872	0.1391	0.0147	0.2992	0.4529
1103	21.5	20.5	0.1649	-0.0097	0.4319	0.5871	0.1518	0.0113	0.2882	0.4513
1104	21.5	20.6	0.165	-0.0095	0.432	0.5874	0.1569	0.007	0.2858	0.4497
1105	21.7	20.7	0.1638	-0.0096	0.433	0.5873	0.153	0.0055	0.3045	0.463
1106	21.5	20.8	0.1633	-0.0096	0.4329	0.5866	0.1682	0.0143	0.2977	0.4801
1107	20.9	20.8	0.1635	-0.0095	0.4318	0.5857	0.1775	0.015	0.2949	0.4874
1108	20.7	20.9	0.1637	-0.0091	0.4318	0.5864	0.1779	0.0096	0.2967	0.4843
1109	20.5	20.9	0.1629	-0.0089	0.4337	0.5877	0.1697	0.0039	0.3084	0.482
1110	20	20.9	0.1642	-0.009	0.4325	0.5877	0.185	-0.0025	0.3026	0.4851
1111	20.1	20.9	0.1661	-0.0091	0.4303	0.5873	0.1984	-0.0089	0.288	0.4774
1112	20.5	20.9	0.1651	-0.009	0.4315	0.5876	0.2017	-0.0092	0.2753	0.4678
1113	20.6	20.9	0.1657	-0.0088	0.4305	0.5875	0.1961	-0.0051	0.2739	0.465
1114	21.1	20.9	0.1667	-0.0083	0.4285	0.5869	0.2126	-0.0104	0.259	0.4612
1115	21.3	20.9	0.1683	-0.0086	0.4273	0.587	0.2196	-0.012	0.2577	0.4653
1116	21	20.8	0.1686	-0.0089	0.4262	0.5859	0.2371	-0.0077	0.2484	0.4778
1117	21.2	20.8	0.169	-0.0091	0.4252	0.5851	0.2768	-0.0071	0.2057	0.4754
1118	21	20.8	0.1694	-0.0089	0.4243	0.5848	0.2906	0.0018	0.1912	0.4835
1119	20.3	20.7	0.1696	-0.0089	0.4239	0.5846	0.2885	0.0022	0.2002	0.4909
1120	20.8	20.7	0.1697	-0.0086	0.4233	0.5844	0.3074	0.0065	0.1828	0.4967
1121	21.6	20.8	0.1693	-0.0082	0.4235	0.5847	0.3133	0.0098	0.1705	0.4936
1122	21.6	20.8	0.1693	-0.008	0.4232	0.5845	0.302	0.0111	0.1661	0.4792
1123	20.9	20.7	0.1692	-0.0083	0.4229	0.5839	0.2873	0.0169	0.1748	0.479
1124	20.8	20.7	0.1694	-0.0088	0.4226	0.5832	0.2766	0.0151	0.1824	0.4741
1125	20.9	20.7	0.1707	-0.0087	0.4205	0.5825	0.2751	0.013	0.195	0.483
1126	20.3	20.7	0.1714	-0.0083	0.4204	0.5835	0.283	0.0124	0.1967	0.4921
1127	19.9	20.7	0.171	-0.0078	0.4206	0.5838	0.2935	0.011	0.1882	0.4927
1128	19.9	20.7	0.1705	-0.0077	0.4203	0.5831	0.3042	0.009	0.1814	0.4947
1129	20.3	20.8	0.17	-0.0078	0.4197	0.582	0.3032	0.0027	0.1869	0.4928
1130	20.7	20.8	0.1704	-0.0082	0.4183	0.5805	0.2938	0.0068	0.1837	0.4843
1131	20.3	20.8	0.17	-0.0083	0.4185	0.5801	0.2822	0.0053	0.1866	0.4741
1132	20.3	20.9	0.1696	-0.0084	0.4187	0.5799	0.2955	0.0022	0.1659	0.4635
1133	20.8	21	0.1716	-0.0085	0.417	0.5802	0.2798	0.002	0.1692	0.4511
1134	21.5	21	0.1737	-0.0084	0.4166	0.5819	0.2691	0.0023	0.1824	0.4538
1135	20.6	21.1	0.174	-0.0085	0.417	0.5826	0.2602	0.0037	0.1852	0.4491
1136	21	21.1	0.1741	-0.0085	0.4169	0.5824	0.2607	-0.0028	0.1769	0.4349
1137	21	21.2	0.1739	-0.0089	0.4163	0.5813	0.2618	-0.0044	0.1594	0.4168
1138	21.5	21.2	0.1742	-0.0096	0.4151	0.5798	0.2719	-0.0118	0.1503	0.4103

1139	21.5	21.2	0.1753	-0.0096	0.4137	0.5794	0.2915	-0.0159	0.1401	0.4157
1140	21.5	21.1	0.1751	-0.0094	0.4132	0.5789	0.3083	-0.012	0.1331	0.4294
1141	23.1	21.1	0.1757	-0.0094	0.4118	0.5782	0.3073	-0.0036	0.1431	0.4468
1142	22.8	21.1	0.1742	-0.0097	0.4122	0.5767	0.2931	-0.0023	0.144	0.4347
1143	22.2	21	0.1741	-0.0095	0.4115	0.5761	0.2871	-0.0031	0.1341	0.4181
1144	21.3	20.9	0.1731	-0.0094	0.4114	0.5751	0.2731	-0.0077	0.1349	0.4003
1145	21.2	20.8	0.1727	-0.0095	0.4108	0.574	0.2782	-0.0073	0.1319	0.4027
1146	20.8	20.7	0.1725	-0.0099	0.4102	0.5728	0.3034	-0.0043	0.1337	0.4328
1147	20.4	20.6	0.1723	-0.0103	0.41	0.5719	0.2982	-0.0069	0.1311	0.4224
1148	20.1	20.5	0.1723	-0.0104	0.4095	0.5714	0.2856	-0.0129	0.1417	0.4143
1149	19.6	20.4	0.1723	-0.0102	0.4093	0.5714	0.2738	-0.01	0.1571	0.421
1150	19.9	20.3	0.1732	-0.0105	0.4085	0.5712	0.2544	-0.0026	0.1563	0.4082
1151	19.8	20.1	0.1737	-0.0103	0.4067	0.5701	0.2445	-0.004	0.1482	0.3888
1152	19.2	19.9	0.1724	-0.0097	0.4069	0.5696	0.2437	-0.0004	0.1476	0.3908
1153	18.8	19.7	0.1716	-0.0097	0.4062	0.5681	0.2221	0.0013	0.1541	0.3775
1154	19.3	19.6	0.1695	-0.01	0.4065	0.5659	0.2067	0.0012	0.1585	0.3664
1155	19.3	19.5	0.1687	-0.0108	0.4066	0.5645	0.194	0.0011	0.1673	0.3624
1156	19.4	19.4	0.168	-0.011	0.4065	0.5636	0.1681	-0.0004	0.1934	0.3611
1157	19.6	19.3	0.1662	-0.0107	0.4076	0.5631	0.1564	-0.0072	0.1969	0.3461
1158	19.6	19.3	0.1652	-0.0104	0.4079	0.5628	0.1523	-0.012	0.186	0.3263
1159	19.5	19.3	0.1647	-0.01	0.4073	0.562	0.1542	-0.0088	0.1903	0.3357
1160	19.2	19.3	0.165	-0.0095	0.4062	0.5617	0.1444	-0.0063	0.2183	0.3564
1161	18.3	19.3	0.1641	-0.0094	0.4074	0.5621	0.1619	-0.0043	0.2048	0.3624
1162	18.3	19.4	0.1636	-0.0094	0.4083	0.5624	0.1863	-0.005	0.1902	0.3715
1163	19.1	19.4	0.1627	-0.0093	0.4087	0.5621	0.1743	0.0021	0.2233	0.3997
1164	20.1	19.5	0.1621	-0.0089	0.4085	0.5617	0.1705	0.0027	0.215	0.3882
1165	19.2	19.6	0.1603	-0.0088	0.4094	0.5609	0.1846	0.0033	0.1928	0.3806
1166	18.7	19.7	0.1588	-0.009	0.411	0.5609	0.2052	0.0005	0.1842	0.3899
1167	19	19.8	0.1577	-0.0095	0.4115	0.5598	0.2074	0.0001	0.1807	0.3882
1168	19.9	19.8	0.158	-0.0098	0.4108	0.5591	0.2221	0.0044	0.1609	0.3874
1169	20.1	19.9	0.1559	-0.01	0.412	0.5579	0.2375	0.009	0.1383	0.3848
1170	20.2	20	0.1545	-0.0102	0.4133	0.5576	0.2371	0.0027	0.136	0.3758
1171	20	20	0.1551	-0.0102	0.4141	0.5591	0.2435	0.0041	0.1361	0.3836
1172	20.6	20.1	0.156	-0.0105	0.413	0.5585	0.2467	0.0105	0.1384	0.3956
1173	21.1	20.1	0.1571	-0.0106	0.4114	0.558	0.2522	0.0092	0.1342	0.3955
1174	21.2	20.1	0.1567	-0.0102	0.4108	0.5573	0.2587	0.0006	0.1257	0.385
1175	20.8	20.1	0.1559	-0.0101	0.4105	0.5564	0.2715	-0.0083	0.1055	0.3686

1176	21	20.1	0.156	-0.0101	0.4101	0.5561	0.2757	-0.0079	0.0895	0.3574
1177	20.7	20.2	0.1551	-0.0098	0.4105	0.5558	0.2697	-0.0045	0.1032	0.3685
1178	20.9	20.1	0.1542	-0.0093	0.4105	0.5554	0.2646	0.0045	0.1078	0.3769
1179	20.3	20.1	0.1547	-0.0096	0.4094	0.5545	0.2562	0.0093	0.1163	0.3818
1180	19.6	20.1	0.1536	-0.0098	0.4104	0.5543	0.2669	0.0102	0.1023	0.3794
1181	19.9	20.1	0.1518	-0.0098	0.4124	0.5544	0.2746	0.0088	0.0909	0.3744
1182	18.7	20.1	0.1514	-0.01	0.4128	0.5542	0.2615	0.0085	0.1114	0.3814
1183	19.3	20	0.1495	-0.0104	0.414	0.5532	0.261	0.0068	0.1177	0.3855
1184	19.4	19.9	0.1495	-0.0109	0.4134	0.552	0.2865	0.0063	0.1068	0.3996
1185	19.9	19.8	0.1483	-0.0106	0.4141	0.5518	0.3147	0.0104	0.1	0.4251
1186	19.3	19.7	0.1477	-0.0103	0.4148	0.5522	0.3168	0.0085	0.1097	0.435
1187	19.7	19.7	0.1472	-0.01	0.4147	0.5519	0.317	0.005	0.1152	0.4373
1188	20.1	19.6	0.1469	-0.0098	0.4156	0.5527	0.3417	0.0042	0.1015	0.4473
1189	20.2	19.6	0.1457	-0.0097	0.4164	0.5525	0.3561	0.0001	0.09	0.4462
1190	19.9	19.6	0.1453	-0.0097	0.4151	0.5507	0.3817	0.001	0.0713	0.454
1191	19.5	19.6	0.1463	-0.0096	0.4139	0.5506	0.3909	-0.0009	0.0514	0.4415
1192	19.8	19.7	0.1462	-0.0091	0.4143	0.5513	0.3911	-0.0036	0.0437	0.4313
1193	18.9	19.8	0.146	-0.0088	0.4146	0.5518	0.3739	-0.0068	0.0604	0.4274
1194	19.8	19.8	0.1455	-0.009	0.4154	0.5519	0.3717	-0.0052	0.0588	0.4253
1195	19.2	19.8	0.1424	-0.0092	0.4152	0.5485	0.3737	-0.0036	0.0555	0.4256
1196	19.3	19.9	0.1417	-0.0092	0.4162	0.5487	0.3786	-0.0069	0.0521	0.4239
1197	19.4	19.9	0.1421	-0.009	0.4159	0.549	0.3845	-0.0115	0.0522	0.4252
1198	20.1	20	0.1424	-0.0091	0.4144	0.5477	0.3883	-0.0117	0.0608	0.4374
1199	19.9	20	0.143	-0.0094	0.4148	0.5483	0.3886	-0.0073	0.0583	0.4396
1200	20.5	20	0.1418	-0.0094	0.4164	0.5489	0.3823	-0.0059	0.0604	0.4368
1201	20.7	20.1	0.1417	-0.0094	0.4164	0.5488	0.4014	-0.0116	0.0403	0.4301
1202	20.2	20.1	0.143	-0.0098	0.4162	0.5495	0.4122	-0.0092	0.0171	0.4201
1203	20	20.2	0.1443	-0.0098	0.4161	0.5505	0.3921	-0.0042	0.0244	0.4123
1204	20.7	20.2	0.1456	-0.0097	0.4153	0.5512	0.3718	-0.0014	0.0302	0.4006
1205	20.6	20.3	0.147	-0.0095	0.4137	0.5512	0.3346	-0.0026	0.051	0.383
1206	20.3	20.3	0.1477	-0.0089	0.4132	0.552	0.3134	-0.0083	0.0696	0.3748
1207	20.6	20.4	0.1482	-0.0083	0.4132	0.5531	0.2946	-0.0134	0.0712	0.3524
1208	19.8	20.3	0.1482	-0.0082	0.4128	0.5528	0.2706	-0.0085	0.0914	0.3536
1209	20.6	20.3	0.1484	-0.0083	0.4119	0.5521	0.2562	-0.0078	0.0998	0.3482
1210	20.8	20.2	0.148	-0.0086	0.4121	0.5515	0.2529	-0.008	0.1002	0.3451
1211	20	20.1	0.1475	-0.0086	0.4112	0.5502	0.2666	-0.0071	0.0921	0.3516
1212	21.3	20.1	0.1476	-0.0092	0.4092	0.5476	0.2692	-0.0086	0.0978	0.3584

1213	20.5	20	0.1487	-0.0091	0.409	0.5486	0.2658	-0.0098	0.1006	0.3566
1214	20.3	19.9	0.1483	-0.0086	0.4092	0.5489	0.2584	-0.0057	0.0992	0.3518
1215	19.8	19.8	0.1478	-0.0086	0.4089	0.548	0.262	0.001	0.0866	0.3496
1216	20	19.7	0.1478	-0.0089	0.4082	0.5471	0.2455	0.0029	0.0937	0.342
1217	19.2	19.6	0.1468	-0.0095	0.4091	0.5464	0.2317	0.0002	0.1137	0.3457
1218	18.9	19.5	0.1457	-0.0098	0.4104	0.5463	0.2255	-0.0041	0.1223	0.3437
1219	19.6	19.4	0.1459	-0.0091	0.4103	0.547	0.225	-0.0085	0.1305	0.347
1220	19.4	19.2	0.1454	-0.009	0.4097	0.546	0.1935	-0.012	0.148	0.3295
1221	19.1	19.1	0.1446	-0.0092	0.4097	0.5451	0.1736	-0.013	0.1507	0.3114
1222	18.8	19	0.1441	-0.0089	0.4098	0.5449	0.1566	-0.0109	0.1752	0.3209
1223	18.4	18.9	0.1433	-0.0083	0.4104	0.5454	0.1618	-0.0173	0.1682	0.3128
1224	18.8	18.9	0.1422	-0.0079	0.4121	0.5464	0.1796	-0.0187	0.1569	0.3178
1225	18	18.9	0.1431	-0.0079	0.4115	0.5468	0.1853	-0.0144	0.1458	0.3167
1226	19.2	18.9	0.1444	-0.0078	0.4101	0.5467	0.1851	-0.0084	0.1425	0.3193
1227	18	19	0.1446	-0.0082	0.4098	0.5461	0.1934	-0.0045	0.1445	0.3334
1228	18.2	19.1	0.1449	-0.0086	0.4086	0.5449	0.1862	0.001	0.1521	0.3393
1229	17.7	19.1	0.1434	-0.0088	0.4095	0.544	0.1789	0.0055	0.1543	0.3387
1230	18	19.1	0.1429	-0.0091	0.4092	0.5431	0.1715	0	0.1482	0.3196
1231	19	19.2	0.1438	-0.0092	0.4074	0.542	0.155	-0.0001	0.1601	0.315
1232	19.6	19.2	0.1435	-0.0091	0.4069	0.5413	0.1411	0.0001	0.1819	0.3231
1233	19.4	19.2	0.143	-0.0091	0.4063	0.5402	0.1397	-0.0072	0.2	0.3325
1234	20	19.3	0.1422	-0.0094	0.4066	0.5394	0.143	-0.0104	0.2039	0.3366
1235	20.6	19.3	0.1424	-0.0094	0.4061	0.539	0.1508	-0.0187	0.1946	0.3267
1236	20.3	19.3	0.1424	-0.009	0.4054	0.5387	0.1416	-0.0191	0.1949	0.3173
1237	20.5	19.4	0.1398	-0.0094	0.4061	0.5365	0.1282	-0.0168	0.2094	0.3208
1238	20	19.4	0.1386	-0.0096	0.4061	0.5351	0.1218	-0.0138	0.2113	0.3193
1239	19.1	19.5	0.1371	-0.0097	0.4066	0.534	0.1223	-0.0079	0.2282	0.3426
1240	20.3	19.5	0.136	-0.0093	0.4081	0.5348	0.1052	-0.0039	0.2448	0.3461
1241	18.8	19.4	0.1366	-0.009	0.4074	0.535	0.1112	-0.0072	0.2249	0.3288
1242	19.7	19.4	0.1369	-0.009	0.4061	0.534	0.1252	-0.0091	0.2144	0.3305
1243	19.7	19.4	0.137	-0.009	0.4057	0.5336	0.1268	-0.0034	0.2213	0.3447
1244	19	19.4	0.1357	-0.009	0.4058	0.5325	0.1272	0.0004	0.2329	0.3605
1245	18.9	19.3	0.1348	-0.0088	0.4056	0.5316	0.1195	-0.0015	0.2501	0.3681
1246	19.2	19.3	0.134	-0.0087	0.405	0.5303	0.0929	-0.0026	0.2545	0.3448
1247	18.8	19.3	0.1334	-0.0092	0.4039	0.5282	0.0801	-0.006	0.274	0.3482
1248	18.9	19.3	0.1334	-0.0097	0.4037	0.5274	0.0867	-0.0068	0.2709	0.3508
1249	18.2	19.4	0.134	-0.0096	0.4033	0.5277	0.0976	-0.0043	0.2516	0.3449

1250	18.3	19.4	0.1331	-0.0093	0.4044	0.5282	0.0964	-0.0043	0.2606	0.3526
1251	19.1	19.5	0.1324	-0.0093	0.405	0.5281	0.088	-0.0074	0.271	0.3516
1252	18.8	19.6	0.1332	-0.0093	0.4045	0.5284	0.0825	-0.0072	0.2714	0.3466
1253	19.7	19.6	0.1344	-0.0096	0.4032	0.5281	0.0864	-0.0119	0.2776	0.3521
1254	19.1	19.7	0.136	-0.0098	0.4014	0.5276	0.097	-0.0095	0.2829	0.3704
1255	20.1	19.8	0.1374	-0.01	0.3996	0.527	0.1059	-0.0093	0.2858	0.3824
1256	20.8	19.8	0.1385	-0.0096	0.3994	0.5283	0.1199	-0.0078	0.2755	0.3877
1257	20.8	19.9	0.1392	-0.0099	0.3984	0.5277	0.1223	-0.0022	0.2766	0.3967
1258	20.5	19.8	0.1396	-0.0096	0.398	0.5279	0.1252	0.006	0.2813	0.4125
1259	20.6	19.8	0.1394	-0.0092	0.3973	0.5275	0.1206	0.0085	0.2859	0.415
1260	20.9	19.7	0.1383	-0.0088	0.397	0.5265	0.1221	0.0077	0.2842	0.414
1261	20.9	19.6	0.1372	-0.0085	0.3976	0.5263	0.1175	0.0035	0.298	0.419
1262	20.2	19.6	0.137	-0.0084	0.3982	0.5268	0.0991	0.0046	0.3105	0.4142
1263	20.3	19.6	0.1368	-0.0087	0.3988	0.5269	0.0982	0.0064	0.2965	0.4011
1264	20.6	19.5	0.1359	-0.009	0.3999	0.5267	0.1207	0.012	0.2911	0.4239
1265	20.4	19.4	0.1357	-0.0091	0.4	0.5267	0.1198	0.0229	0.2861	0.4288
1266	19.4	19.3	0.1357	-0.009	0.3996	0.5263	0.1248	0.0199	0.2793	0.424
1267	17.7	19.3	0.1352	-0.0091	0.3993	0.5254	0.1313	0.0158	0.2667	0.4138
1268	17.5	19.2	0.1355	-0.009	0.3978	0.5244	0.1201	0.0024	0.2784	0.4009
1269	17.4	19.2	0.1366	-0.0088	0.3972	0.525	0.1142	-0.0032	0.2901	0.4011
1270	17.5	19.1	0.1371	-0.0089	0.3982	0.5265	0.1124	0.0021	0.2869	0.4015
1271	18.8	19.1	0.1395	-0.0091	0.3966	0.527	0.1083	0.0066	0.2791	0.394
1272	18.1	19.1	0.1398	-0.0088	0.3962	0.5272	0.0997	0.007	0.2889	0.3956
1273	17.5	19	0.1392	-0.0087	0.3957	0.5262	0.0846	0.0122	0.3048	0.4016
1274	19	19	0.1382	-0.0088	0.3962	0.5257	0.0617	0.0212	0.33	0.413
1275	19.4	18.9	0.1374	-0.0093	0.3963	0.5245	0.0515	0.0225	0.3501	0.4241
1276	19.4	18.9	0.1367	-0.0096	0.3957	0.5228	0.0764	0.0223	0.334	0.4327
1277	19.9	18.9	0.1364	-0.0099	0.3953	0.5218	0.0999	0.0249	0.3089	0.4337
1278	19.8	18.9	0.1363	-0.0099	0.3951	0.5215	0.1089	0.0171	0.2942	0.4202
1279	20.1	19	0.1375	-0.0096	0.3946	0.5225	0.1107	0.0101	0.2856	0.4065
1280	20	19	0.1381	-0.0098	0.3944	0.5228	0.0945	0.0059	0.3012	0.4015
1281	20.1	19	0.1377	-0.0098	0.3942	0.5221	0.0775	0.0016	0.3217	0.4008
1282	19.2	19	0.1374	-0.0093	0.3928	0.5209	0.0745	-0.0059	0.3106	0.3792
1283	19.2	19	0.1352	-0.0093	0.3936	0.5195	0.0577	-0.0038	0.3166	0.3705
1284	19.1	19	0.1344	-0.0091	0.3939	0.5193	0.0468	-0.0046	0.3268	0.3691
1285	19	18.9	0.1341	-0.0086	0.3946	0.5201	0.031	-0.0042	0.348	0.3748
1286	18.3	18.9	0.1349	-0.0086	0.3938	0.5201	0.0248	0.0005	0.351	0.3762

1287	18.5	18.9	0.135	-0.0086	0.3936	0.5199	0.0333	0.0038	0.3391	0.3762
1288	18.2	18.8	0.1347	-0.009	0.3928	0.5184	0.0066	-0.0028	0.355	0.3588
1289	17.9	18.8	0.1352	-0.0093	0.392	0.5179	-0.0041	-0.0064	0.3635	0.353
1290	17.9	18.8	0.1342	-0.009	0.3927	0.5178	-0.0207	-0.0048	0.3826	0.3571
1291	18.2	18.7	0.1337	-0.0087	0.3924	0.5175	-0.0338	0.0022	0.4076	0.376
1292	18	18.7	0.1335	-0.0088	0.3922	0.5169	-0.0201	0.0087	0.3985	0.387
1293	18.2	18.7	0.1333	-0.0088	0.3913	0.5158	-0.0069	0.0122	0.3817	0.387
1294	18.9	18.7	0.1335	-0.0088	0.3903	0.5151	-0.0019	0.0159	0.3829	0.3969
1295	18.8	18.7	0.1331	-0.0089	0.3898	0.514	0.0108	0.0174	0.3768	0.4051
1296	19	18.8	0.1337	-0.0086	0.3888	0.5139	0.0069	0.0224	0.3712	0.4005
1297	19.3	18.8	0.1334	-0.0083	0.3888	0.514	0.0011	0.0266	0.3632	0.391
1298	19.3	18.9	0.1326	-0.0087	0.3892	0.5132	0.0025	0.0197	0.3482	0.3704
1299	19.5	19	0.1333	-0.009	0.3887	0.5131	0.0037	0.017	0.3503	0.371
1300	19.3	19.1	0.133	-0.0086	0.3893	0.5137	0.0087	0.0134	0.3469	0.369
1301	18.5	19.2	0.1335	-0.0087	0.3893	0.5141	-0.0107	0.0144	0.3643	0.368
1302	19.2	19.3	0.1344	-0.0086	0.3885	0.5143	-0.0088	0.0111	0.3607	0.363
1303	19.5	19.4	0.1346	-0.0089	0.3878	0.5135	0.0021	0.0106	0.3584	0.3711
1304	19.3	19.4	0.135	-0.0087	0.3867	0.513	0.0175	0.0044	0.3536	0.3755
1305	19	19.5	0.135	-0.0087	0.3861	0.5124	0.0366	0.0011	0.3445	0.3823
1306	19	19.5	0.1354	-0.0087	0.3855	0.5123	0.059	-0.0002	0.3285	0.3873
1307	19.6	19.5	0.1357	-0.0089	0.385	0.5118	0.0698	0.008	0.3298	0.4077
1308	20.1	19.6	0.1362	-0.0091	0.3842	0.5114	0.0873	0.0073	0.3175	0.4121
1309	20.1	19.7	0.1362	-0.0091	0.3835	0.5106	0.1015	0.0098	0.3092	0.4206
1310	20.2	19.8	0.1362	-0.0089	0.3823	0.5096	0.1009	0.0183	0.3043	0.4236
1311	20.4	19.9	0.1376	-0.0091	0.3802	0.5087	0.0855	0.022	0.306	0.4135
1312	19.8	19.9	0.1378	-0.0098	0.3795	0.5075	0.0597	0.0221	0.3148	0.3966
1313	19	19.9	0.1366	-0.0103	0.3799	0.5063	0.0535	0.0227	0.3341	0.4103
1314	19.6	19.9	0.1363	-0.0109	0.3806	0.506	0.0664	0.019	0.3363	0.4217
1315	19.8	20	0.1353	-0.0106	0.381	0.5056	0.0653	0.0148	0.3419	0.422
1316	19.9	20	0.1347	-0.0105	0.3815	0.5057	0.0615	0.0129	0.35	0.4244
1317	20.2	19.9	0.1348	-0.0098	0.3813	0.5063	0.0582	0.013	0.3491	0.4203
1318	20.7	19.9	0.1343	-0.0095	0.3814	0.5062	0.0495	0.0119	0.3419	0.4033
1319	21.4	19.7	0.1347	-0.0094	0.3816	0.5069	0.0572	0.0143	0.3205	0.392
1320	21.2	19.6	0.1345	-0.0097	0.3818	0.5066	0.0672	0.0204	0.3174	0.4049
1321	19.4	19.5	0.1347	-0.0099	0.3808	0.5055	0.0699	0.0227	0.3415	0.4341
1322	19.1	19.5	0.1356	-0.0102	0.3793	0.5048	0.0901	0.0192	0.3365	0.4458
1323	20.1	19.5	0.1372	-0.0104	0.3774	0.5041	0.0913	0.0217	0.3393	0.4522

1324	19.2	19.4	0.1371	-0.0102	0.3771	0.504	0.0861	0.0214	0.3347	0.4423
1325	19.1	19.3	0.1355	-0.0101	0.3781	0.5035	0.0763	0.0187	0.3451	0.4401
1326	19	19.2	0.1344	-0.0103	0.3792	0.5033	0.0692	0.0143	0.3513	0.4348
1327	18.7	19.1	0.1337	-0.0099	0.3804	0.5041	0.0543	0.0148	0.3572	0.4263
1328	17.3	19	0.1338	-0.0096	0.3801	0.5042	0.0554	0.0106	0.3563	0.4223
1329	18.5	18.9	0.1339	-0.0094	0.3794	0.5039	0.0583	0.006	0.3517	0.416
1330	18.4	18.8	0.1352	-0.0092	0.377	0.503	0.0614	0.0057	0.3454	0.4125
1331	19.7	18.8	0.1364	-0.0086	0.3763	0.5041	0.0698	0.0011	0.336	0.4069
1332	18.5	18.7	0.1377	-0.0087	0.3752	0.5043	0.0696	-0.0034	0.3338	0.4001
1333	18.1	18.6	0.1383	-0.0086	0.3737	0.5033	0.0684	-0.0006	0.3111	0.3789
1334	18.6	18.6	0.1391	-0.009	0.3718	0.5019	0.0478	-0.0076	0.3156	0.3558
1335	18.3	18.6	0.1399	-0.0094	0.371	0.5014	0.0301	-0.0109	0.3166	0.3358
1336	18.2	18.6	0.139	-0.0094	0.3714	0.5011	0.018	-0.0075	0.3274	0.3379
1337	18.8	18.6	0.1391	-0.0091	0.3706	0.5006	0.0247	-0.005	0.3258	0.3455
1338	18.9	18.7	0.139	-0.0089	0.3698	0.4998	0.0197	-0.0025	0.3288	0.3459
1339	19.1	18.7	0.1392	-0.0092	0.3683	0.4983	0.0133	-0.0047	0.3245	0.3331
1340	18.6	18.7	0.1394	-0.0095	0.3673	0.4972	0.0226	-0.0047	0.3183	0.3362
1341	18.4	18.7	0.1386	-0.0099	0.3676	0.4963	0.0064	-0.0001	0.3358	0.3421
1342	18.6	18.7	0.1375	-0.0102	0.3679	0.4953	-0.0053	0.0011	0.3443	0.3401
1343	18.9	18.7	0.1371	-0.0106	0.3674	0.4939	-0.0099	-0.001	0.3447	0.3338
1344	19.2	18.7	0.1346	-0.0108	0.3681	0.492	-0.0158	0.0016	0.3361	0.322
1345	18.8	18.7	0.1341	-0.0111	0.3685	0.4915	-0.0126	0.0011	0.3329	0.3214
1346	18.7	18.7	0.1339	-0.0114	0.3687	0.4912	-0.0215	0.0008	0.3445	0.3238
1347	19.2	18.6	0.1332	-0.0111	0.3691	0.4911	-0.0139	0.0059	0.3381	0.3302
1348	18.3	18.6	0.1331	-0.0114	0.3686	0.4903	-0.0122	0.0078	0.3481	0.3436
1349	18.9	18.5	0.1332	-0.011	0.3686	0.4908	-0.0186	0.0053	0.3491	0.3358
1350	18.7	18.5	0.1341	-0.0108	0.368	0.4914	-0.0201	0.0048	0.3452	0.3298
1351	18.6	18.6	0.1333	-0.0105	0.3689	0.4918	-0.0347	0.0093	0.3631	0.3378
1352	18.5	18.7	0.133	-0.0104	0.3687	0.4913	-0.0253	0.008	0.3643	0.347
1353	18.2	18.7	0.1327	-0.01	0.3678	0.4905	-0.0114	0.0084	0.3579	0.355
1354	18.1	18.7	0.1323	-0.0099	0.367	0.4894	-0.0113	0.0075	0.363	0.3592
1355	18.2	18.8	0.1315	-0.01	0.3668	0.4883	-0.0046	0.0134	0.3595	0.3683
1356	17.9	18.8	0.1316	-0.0104	0.3664	0.4876	-0.0058	0.014	0.3601	0.3683
1357	17.8	18.9	0.1304	-0.0106	0.3667	0.4865	-0.0032	0.0149	0.3609	0.3727
1358	18.1	18.9	0.1294	-0.0106	0.367	0.4859	0.0037	0.0154	0.355	0.3741
1359	19	19	0.1293	-0.011	0.3668	0.4851	0.0085	0.0133	0.3504	0.3722
1360	19.9	19	0.1298	-0.011	0.3664	0.4852	0.0153	0.0132	0.347	0.3754

1361	20	19	0.1312	-0.0107	0.3661	0.4866	0.0139	0.0181	0.3397	0.3717
1362	19.2	19	0.1316	-0.0107	0.3648	0.4858	0.0253	0.0191	0.3331	0.3776
1363	20.1	19	0.1302	-0.0106	0.3652	0.4848	0.0336	0.0107	0.3303	0.3746
1364	19.4	19.1	0.1294	-0.0105	0.3657	0.4845	0.0161	0.0035	0.34	0.3596
1365	20	19.1	0.1296	-0.0104	0.365	0.4842	0.0163	-0.0117	0.344	0.3487
1366	20	19.2	0.1298	-0.0103	0.3647	0.4843	0.0156	-0.0034	0.351	0.3633
1367	19.4	19.2	0.1302	-0.0103	0.3651	0.4851	0.0156	-0.0023	0.3488	0.3621
1368	19.1	19.3	0.1298	-0.0104	0.3657	0.4852	0.0131	0.0027	0.3481	0.3639
1369	19	19.3	0.1299	-0.0109	0.3655	0.4845	0.0044	0.0043	0.3589	0.3675
1370	19	19.3	0.1302	-0.0112	0.3641	0.4831	0.0049	0.0045	0.3663	0.3757
1371	18.3	19.2	0.1305	-0.011	0.363	0.4824	0.0293	0.0003	0.3435	0.3732
1372	18.9	19.2	0.1307	-0.011	0.3623	0.482	0.088	-0.0012	0.2724	0.3592
1373	19.1	19.1	0.1305	-0.0108	0.3623	0.482	0.1199	-0.005	0.2298	0.3447
1374	19.2	19	0.1306	-0.0106	0.3617	0.4817	0.1434	-0.0063	0.2077	0.3447
1375	18.6	18.9	0.1305	-0.0107	0.3612	0.481	0.1488	-0.0007	0.2056	0.3537
1376	19.3	18.9	0.1313	-0.0111	0.3599	0.4801	0.1277	0.0007	0.2131	0.3415
1377	19.8	18.8	0.1309	-0.011	0.3597	0.4796	0.1036	-0.001	0.2199	0.3225
1378	19	18.8	0.1305	-0.0105	0.3599	0.4799	0.0744	0.001	0.2408	0.3162
1379	19.3	18.8	0.1314	-0.0102	0.3601	0.4813	0.0751	0.0027	0.245	0.3228
1380	18.8	18.7	0.1312	-0.0099	0.3608	0.4821	0.0662	0.0011	0.265	0.3323
1381	18.6	18.7	0.1307	-0.0095	0.3609	0.4821	0.069	0.0048	0.2608	0.3345
1382	18	18.7	0.1306	-0.0092	0.3617	0.483	0.0787	0.0091	0.2588	0.3466
1383	18.1	18.6	0.1304	-0.0086	0.3621	0.4839	0.0891	0.0134	0.2636	0.366
1384	18.5	18.6	0.1314	-0.008	0.3623	0.4857	0.0866	0.0158	0.2391	0.3415
1385	18.7	18.5	0.1323	-0.0079	0.3619	0.4863	0.1026	0.0074	0.2079	0.3179
1386	18.8	18.4	0.1324	-0.0081	0.3612	0.4856	0.0969	-0.0001	0.2147	0.3115
1387	18.7	18.4	0.133	-0.0084	0.3607	0.4853	0.058	-0.003	0.2577	0.3127
1388	18	18.3	0.1334	-0.0086	0.3603	0.4851	0.0516	-0.0022	0.2608	0.3102
1389	18	18.3	0.1329	-0.0088	0.3601	0.4843	0.0468	-0.0015	0.2648	0.3101
1390	18.2	18.3	0.1335	-0.009	0.3591	0.4836	0.044	-0.0047	0.2585	0.2978
1391	18.2	18.3	0.1343	-0.0088	0.358	0.4835	0.0415	-0.0071	0.2525	0.2868
1392	18.2	18.4	0.1345	-0.0087	0.3577	0.4835	0.0337	-0.0054	0.2576	0.2859
1393	18.2	18.4	0.1349	-0.009	0.3577	0.4836	0.0217	-0.0075	0.2807	0.2949
1394	17.6	18.5	0.1348	-0.0089	0.357	0.4829	0.0193	-0.0143	0.2845	0.2895
1395	17.6	18.5	0.1353	-0.009	0.3553	0.4816	-0.0054	-0.0215	0.2916	0.2646
1396	18.2	18.6	0.1351	-0.0092	0.355	0.4808	-0.0101	-0.0266	0.2924	0.2557
1397	18.6	18.6	0.1347	-0.0091	0.354	0.4796	0.0096	-0.0264	0.276	0.2592

1398	18.3	18.7	0.1345	-0.0092	0.3543	0.4796	-0.0019	-0.0213	0.2894	0.2662
1399	18.5	18.8	0.1354	-0.0094	0.3542	0.4801	-0.0033	-0.0254	0.299	0.2703
1400	19	18.9	0.1365	-0.0096	0.353	0.48	-0.0029	-0.0199	0.2927	0.2698
1401	19.2	19	0.136	-0.0095	0.3529	0.4794	0.0133	-0.018	0.2745	0.2698
1402	19.4	19	0.1355	-0.0095	0.3527	0.4788	0.0208	-0.0097	0.2724	0.2835
1403	19.5	19.1	0.1357	-0.0096	0.3515	0.4775	0.0225	-0.0059	0.259	0.2757
1404	19.6	19.2	0.1354	-0.0101	0.3508	0.4761	0.0144	-0.003	0.2605	0.2719
1405	19.7	19.3	0.1356	-0.0101	0.3501	0.4756	0.0008	-0.004	0.2612	0.2579
1406	19.5	19.4	0.1358	-0.0102	0.3494	0.475	-0.0142	-0.0029	0.2716	0.2544
1407	19.6	19.4	0.1353	-0.0105	0.3495	0.4744	-0.0235	-0.0063	0.2855	0.2557
1408	20.5	19.4	0.1353	-0.0104	0.3492	0.4741	-0.0496	-0.009	0.3029	0.2444
1409	20.1	19.5	0.1347	-0.0104	0.3488	0.4731	-0.0731	-0.0096	0.3136	0.2309
1410	19.3	19.5	0.1348	-0.0107	0.3483	0.4724	-0.0737	-0.0163	0.3078	0.2178
1411	19.1	19.5	0.1351	-0.011	0.3469	0.471	-0.0778	-0.015	0.3108	0.2179
1412	18.6	19.4	0.1344	-0.0109	0.3465	0.4701	-0.0684	-0.0124	0.3141	0.2333
1413	20.3	19.4	0.135	-0.0106	0.3459	0.4703	-0.0688	-0.0137	0.3095	0.227
1414	20	19.3	0.1347	-0.0097	0.3462	0.4711	-0.0767	-0.0159	0.3082	0.2155
1415	19.8	19.3	0.1337	-0.0103	0.3459	0.4693	-0.0725	-0.0167	0.3	0.2108
1416	18.5	19.3	0.1331	-0.0103	0.3466	0.4695	-0.0854	-0.014	0.3137	0.2143
1417	18.9	19.2	0.1335	-0.0101	0.3465	0.4699	-0.0955	-0.0094	0.3261	0.2212
1418	19.4	19.2	0.1338	-0.0099	0.3455	0.4695	-0.0897	-0.0048	0.3297	0.2352
1419	18.9	19.2	0.1342	-0.0098	0.345	0.4693	-0.0977	-0.0009	0.3392	0.2406
1420	18.9	19.2	0.1316	-0.0097	0.3474	0.4693	-0.0873	-0.0026	0.3308	0.2409
1421	18.6	19.2	0.1259	-0.0098	0.3536	0.4696	-0.0765	-0.0076	0.3129	0.2288
1422	18.5	19.2	0.1236	-0.0097	0.3563	0.4703	-0.0769	-0.0072	0.3009	0.2168
1423	18.8	19.2	0.1228	-0.0098	0.3566	0.4696	-0.064	-0.0089	0.283	0.2101
1424	19	19.1	0.1222	-0.0101	0.3565	0.4686	-0.0476	-0.0111	0.2729	0.2143
1425	19.3	19.1	0.1227	-0.0102	0.3568	0.4694	-0.0496	-0.0154	0.275	0.21
1426	19.2	19.1	0.1241	-0.0102	0.3572	0.4711	-0.0691	-0.0167	0.2997	0.2139
1427	19.6	19.1	0.1262	-0.01	0.3563	0.4724	-0.0558	-0.0191	0.2825	0.2077
1428	19.6	19	0.1263	-0.0099	0.3556	0.4719	-0.048	-0.0137	0.2729	0.2111
1429	19.4	19	0.1273	-0.0095	0.3529	0.4706	-0.0328	-0.0045	0.2639	0.2266
1430	19.5	19	0.1283	-0.0097	0.3509	0.4695	-0.018	-0.0007	0.2666	0.248
1431	19.7	19	0.1285	-0.0095	0.3504	0.4694	-0.0267	0.0028	0.2857	0.2618
1432	18.9	19	0.1288	-0.01	0.3489	0.4677	-0.0288	0.0086	0.2913	0.271
1433	19.2	19	0.1296	-0.0102	0.3498	0.4692	-0.0225	0.0121	0.3011	0.2907
1434	18.5	18.9	0.1289	-0.0097	0.351	0.4701	-0.0249	0.0202	0.3123	0.3077

1435	18.5	18.9	0.1302	-0.0094	0.3495	0.4703	-0.0264	0.0294	0.3298	0.3329
1436	18.8	18.8	0.1332	-0.0091	0.3457	0.4698	-0.0198	0.0341	0.3317	0.346
1437	18.9	18.8	0.1339	-0.0089	0.3445	0.4696	-0.0098	0.0335	0.3265	0.3503
1438	18.4	18.8	0.1343	-0.0088	0.3433	0.4688	0.0055	0.0281	0.3203	0.3539
1439	18.6	18.7	0.1348	-0.0088	0.3425	0.4685	0.0226	0.0228	0.3113	0.3568
1440	18.7	18.7	0.1352	-0.0088	0.3421	0.4685	0.0338	0.0206	0.3075	0.3619
1441	18.3	18.7	0.1353	-0.0093	0.3418	0.4677	0.038	0.0234	0.315	0.3764
1442	18.3	18.7	0.1354	-0.0095	0.3399	0.4658	0.0424	0.032	0.31	0.3844
1443	18	18.6	0.1352	-0.0092	0.3389	0.465	0.0465	0.0305	0.307	0.384
1444	18.1	18.6	0.1352	-0.0086	0.339	0.4655	0.0491	0.0206	0.3104	0.3801
1445	18.2	18.6	0.1351	-0.0084	0.3392	0.4659	0.0517	0.0153	0.3001	0.3671
1446	18.9	18.5	0.1329	-0.0088	0.3411	0.4653	0.0634	0.0138	0.2703	0.3475
1447	19.3	18.5	0.1334	-0.009	0.3401	0.4645	0.0553	0.0104	0.2645	0.3301
1448	19.2	18.5	0.1334	-0.0088	0.3387	0.4633	0.0398	0.0082	0.2634	0.3114
1449	19.5	18.4	0.1335	-0.009	0.3393	0.4638	0.036	0.0019	0.2749	0.3129
1450	18.9	18.4	0.1328	-0.009	0.3406	0.4644	0.0465	-0.0014	0.2809	0.326
1451	18	18.4	0.1312	-0.0095	0.3417	0.4634	0.0529	-0.0018	0.2751	0.3262
1452	17.8	18.4	0.1308	-0.0098	0.3428	0.4637	0.0422	-0.0028	0.2744	0.3138
1453	18.5	18.4	0.1312	-0.0097	0.3418	0.4633	0.0211	-0.0013	0.2853	0.3051
1454	18.5	18.4	0.1323	-0.0095	0.3408	0.4636	0.0205	-0.0063	0.2711	0.2853
1455	18.2	18.3	0.1329	-0.0097	0.3396	0.4628	0.0177	-0.0098	0.2668	0.2747
1456	17.6	18.2	0.1339	-0.0098	0.3379	0.462	0.0249	-0.0078	0.262	0.279
1457	18.1	18.1	0.1354	-0.0097	0.3364	0.4621	0.0299	-0.0063	0.2507	0.2743
1458	18	18	0.1368	-0.0096	0.3357	0.4628	0.0239	-0.0091	0.2515	0.2664
1459	17.7	17.8	0.1367	-0.0094	0.3361	0.4633	0.023	-0.0102	0.2472	0.2599
1460	18.3	17.7	0.1376	-0.0095	0.3353	0.4634	0.0166	-0.0128	0.2442	0.248
1461	18.1	17.7	0.138	-0.0095	0.3347	0.4633	0.0329	-0.0162	0.2298	0.2465
1462	18	17.6	0.1385	-0.0093	0.3339	0.4631	0.0431	-0.0208	0.2128	0.235
1463	17.8	17.5	0.1379	-0.009	0.3344	0.4632	0.0298	-0.0234	0.2188	0.2252
1464	17.6	17.5	0.1366	-0.0088	0.3357	0.4635	0.0293	-0.0203	0.2168	0.2258
1465	17.4	17.5	0.1381	-0.009	0.3336	0.4628	0.0278	-0.0073	0.2284	0.2489
1466	17.2	17.5	0.1394	-0.0094	0.3321	0.4622	0.0277	-0.0103	0.2361	0.2535
1467	16.8	17.5	0.1392	-0.0098	0.3321	0.4615	0.0128	-0.0097	0.2682	0.2713
1468	16	17.5	0.1396	-0.0103	0.3318	0.4611	0.008	-0.0057	0.2747	0.277
1469	16.9	17.6	0.1386	-0.0106	0.3324	0.4604	0.0202	0	0.2583	0.2785
1470	17	17.6	0.1378	-0.0104	0.3328	0.4602	0.03	0.0058	0.2591	0.2949
1471	16.6	17.6	0.1381	-0.0103	0.3329	0.4607	0.0112	0.0039	0.2721	0.2872

1472	17.6	17.7	0.1371	-0.0101	0.334	0.461	-0.043	0.0024	0.3345	0.2938
1473	17.2	17.7	0.1353	-0.0097	0.335	0.4605	-0.0633	0.0015	0.3658	0.304
1474	18.2	17.8	0.1355	-0.0091	0.3342	0.4607	-0.0639	-0.0007	0.3633	0.2987
1475	17.6	17.9	0.1374	-0.009	0.3312	0.4596	-0.0598	-0.0049	0.3572	0.2926
1476	18.2	18	0.1368	-0.0092	0.3317	0.4594	-0.06	-0.0031	0.3619	0.2988
1477	18.7	18.1	0.1357	-0.0096	0.3324	0.4585	-0.0498	0.0004	0.3658	0.3164
1478	19.1	18.2	0.1338	-0.01	0.3335	0.4573	-0.0319	0.0026	0.3686	0.3393
1479	18.7	18.3	0.1332	-0.0101	0.3334	0.4565	-0.0261	0.0038	0.3615	0.3393
1480	18.6	18.5	0.1338	-0.0102	0.3323	0.4559	-0.0166	0.0065	0.3311	0.3209
1481	18.6	18.6	0.1336	-0.0103	0.3317	0.455	-0.0148	0.0034	0.3168	0.3054
1482	18.8	18.6	0.1328	-0.0104	0.3316	0.454	-0.0146	0.0054	0.3215	0.3124
1483	19	18.6	0.1329	-0.0106	0.3308	0.4532	-0.0116	-0.0014	0.3126	0.2996
1484	19.4	18.6	0.134	-0.0109	0.3293	0.4524	-0.0136	-0.0064	0.324	0.304
1485	18.7	18.6	0.1343	-0.0113	0.3287	0.4517	-0.0276	-0.0031	0.3384	0.3077
1486	18.4	18.5	0.1334	-0.0115	0.3286	0.4505	-0.0039	-0.001	0.3223	0.3174
1487	19	18.4	0.1325	-0.0112	0.3287	0.45	0.0357	0.002	0.28	0.3177
1488	19.1	18.3	0.1311	-0.0108	0.3292	0.4494	0.0473	0.0034	0.2635	0.3142
1489	19.2	18.2	0.1296	-0.0109	0.3294	0.4481	0.04	0.0069	0.2624	0.3093
1490	18.5	18.2	0.1297	-0.0113	0.3276	0.446	0.0419	0.0046	0.2599	0.3064
1491	17.6	18.1	0.13	-0.012	0.327	0.4451	0.0358	0.005	0.271	0.3118
1492	17.8	18	0.1298	-0.0117	0.327	0.4451	0.0445	0.0013	0.2701	0.3159
1493	18	17.9	0.1299	-0.011	0.3267	0.4456	0.0474	0.0023	0.2541	0.3038
1494	17.6	17.8	0.1296	-0.0104	0.327	0.4462	0.0499	0.0058	0.2426	0.2982
1495	16.4	17.8	0.1289	-0.0104	0.3283	0.4469	0.045	0.0144	0.2476	0.307
1496	17.1	17.9	0.1296	-0.0102	0.3285	0.4478	0.0435	0.0202	0.2591	0.3228
1497	17.6	17.8	0.1307	-0.0099	0.3277	0.4484	0.0263	0.0183	0.2805	0.325
1498	16.6	17.8	0.1309	-0.0094	0.3268	0.4483	0.0438	0.0151	0.2623	0.3212
1499	17.8	17.7	0.1307	-0.0093	0.3261	0.4475	0.0544	0.0132	0.2376	0.3052
1500	17.1	17.6	0.1312	-0.0094	0.3255	0.4473	0.0627	0.0126	0.2369	0.3122
1501	17.4	17.6	0.1318	-0.0092	0.3254	0.448	0.0588	0.0135	0.2469	0.3191
1502	17.2	17.6	0.1334	-0.0093	0.3241	0.4482	0.035	0.0088	0.2752	0.3191
1503	18	17.6	0.1336	-0.009	0.3244	0.449	0.0191	0.0037	0.3026	0.3254
1504	18.8	17.6	0.1337	-0.0091	0.3241	0.4487	0.0124	0.0023	0.3049	0.3196
1505	18.6	17.7	0.1331	-0.0094	0.3239	0.4477	0.0233	0.0031	0.2965	0.3229
1506	18	17.7	0.1328	-0.0095	0.3244	0.4476	0.0386	0.0021	0.2793	0.3201
1507	17.9	17.7	0.1329	-0.0096	0.3244	0.4478	0.0482	-0.0038	0.2628	0.3072
1508	17.8	17.8	0.133	-0.0094	0.3245	0.4481	0.0748	0.0021	0.2375	0.3143

1509	17.5	17.8	0.133	-0.0091	0.3243	0.4483	0.077	0.0069	0.2505	0.3344
1510	17.6	17.8	0.1315	-0.0091	0.3253	0.4477	0.0821	0.013	0.2541	0.3492
1511	17.6	17.9	0.1308	-0.0089	0.3256	0.4475	0.0781	0.0112	0.275	0.3643
1512	18	17.9	0.1315	-0.0086	0.3246	0.4475	0.0808	0.0066	0.2726	0.36
1513	17.9	17.9	0.1321	-0.0086	0.3242	0.4477	0.0898	0.0094	0.2664	0.3656
1514	17.6	17.8	0.1319	-0.009	0.3233	0.4462	0.0939	0.0139	0.2631	0.3708
1515	17.5	17.8	0.131	-0.0093	0.3223	0.444	0.0942	0.0113	0.2685	0.374
1516	17.7	17.8	0.1319	-0.0093	0.3198	0.4424	0.1087	0.0083	0.2551	0.3721
1517	18.3	17.8	0.1327	-0.0095	0.319	0.4422	0.1229	0.0051	0.2345	0.3625
1518	17.1	17.9	0.1318	-0.0099	0.3197	0.4416	0.1122	0.001	0.2411	0.3543
1519	18.3	17.9	0.1312	-0.0104	0.3191	0.4398	0.0981	-0.0072	0.2579	0.3488
1520	17.8	17.9	0.1305	-0.0101	0.3202	0.4406	0.0802	-0.0129	0.269	0.3363
1521	17.4	18	0.1302	-0.0101	0.3201	0.4402	0.0705	-0.0129	0.2676	0.3252
1522	18.2	18	0.1299	-0.0098	0.3198	0.4399	0.0699	-0.0124	0.2731	0.3305
1523	18	17.9	0.1292	-0.0097	0.3203	0.4397	0.0568	-0.0074	0.2908	0.3402
1524	18.2	17.9	0.1282	-0.0096	0.3208	0.4393	0.0328	0.0007	0.3028	0.3363
1525	17.8	17.9	0.1287	-0.0099	0.3206	0.4395	0.0295	0.0114	0.3	0.341
1526	18.1	17.8	0.129	-0.0102	0.3206	0.4394	0.0436	0.0132	0.2756	0.3325
1527	18.9	17.7	0.1294	-0.0103	0.3194	0.4385	0.0365	0.0085	0.2809	0.3259
1528	18.2	17.7	0.1289	-0.0103	0.3194	0.438	0.0321	-0.0008	0.2814	0.3128
1529	18.2	17.7	0.1289	-0.0102	0.3198	0.4385	0.0194	-0.0033	0.2923	0.3084
1530	18	17.6	0.1298	-0.01	0.3193	0.439	0.0117	-0.0007	0.2966	0.3076
1531	18	17.6	0.13	-0.0101	0.3183	0.4382	0.026	-0.0007	0.2882	0.3135
1532	16.9	17.5	0.13	-0.0099	0.3176	0.4377	0.0275	-0.0007	0.2906	0.3173
1533	17.3	17.5	0.131	-0.0096	0.3173	0.4388	0.0309	-0.0022	0.2877	0.3163
1534	17.4	17.5	0.1316	-0.0094	0.3171	0.4393	0.0542	0.0031	0.2655	0.3227
1535	16.2	17.5	0.1306	-0.0093	0.3173	0.4385	0.0827	0.0025	0.2462	0.3314
1536	16.9	17.6	0.1297	-0.0093	0.3177	0.438	0.0935	-0.0046	0.2291	0.318
1537	17.2	17.5	0.1292	-0.0092	0.3182	0.4382	0.0774	-0.0102	0.2372	0.3043
1538	17	17.5	0.1303	-0.0095	0.3171	0.4379	0.0587	-0.0086	0.2512	0.3012
1539	16.5	17.6	0.1306	-0.0092	0.3165	0.4379	0.044	-0.0064	0.2597	0.2974
1540	17.1	17.6	0.1317	-0.0093	0.315	0.4373	0.0295	-0.0095	0.2638	0.2838
1541	17.1	17.6	0.1308	-0.0095	0.3148	0.4361	0.0262	-0.0151	0.2625	0.2736
1542	17.9	17.8	0.1306	-0.0097	0.3145	0.4354	0.0257	-0.0198	0.2537	0.2597
1543	17.9	17.8	0.1302	-0.0098	0.3147	0.4351	0.0047	-0.0214	0.2815	0.2648
1544	18.3	17.9	0.1307	-0.0101	0.3142	0.4348	0.0108	-0.0134	0.2686	0.266
1545	18.4	18.1	0.1308	-0.0104	0.3133	0.4337	0.001	-0.0092	0.2835	0.2753

1546	18.3	18.1	0.1303	-0.0106	0.3131	0.4328	-0.0156	-0.0078	0.311	0.2876
1547	18.5	18.2	0.129	-0.0105	0.3139	0.4324	-0.0152	-0.0057	0.3161	0.2953
1548	18.5	18.3	0.128	-0.0101	0.315	0.4328	0.003	0.0011	0.2927	0.2968
1549	18.5	18.4	0.1272	-0.0102	0.3157	0.4326	0.0024	0.008	0.2907	0.3011
1550	18.9	18.4	0.1269	-0.0103	0.3159	0.4325	-0.0136	0.0103	0.2981	0.2948
1551	19.5	18.5	0.1277	-0.0104	0.3142	0.4315	-0.0102	0.0098	0.2994	0.299
1552	18.7	18.5	0.1288	-0.0102	0.3125	0.4312	0.0082	0.0108	0.2919	0.3109
1553	18.9	18.5	0.13	-0.0099	0.3113	0.4314	0.0402	0.0075	0.2692	0.3169
1554	19.3	18.5	0.1299	-0.0098	0.3112	0.4313	0.0484	0.0075	0.2661	0.322
1555	18.1	18.4	0.1291	-0.0099	0.3117	0.4308	0.0514	0.0073	0.2643	0.323
1556	18.9	18.4	0.1291	-0.0094	0.3116	0.4313	0.0503	0.0048	0.2649	0.32
1557	18.8	18.3	0.1279	-0.0099	0.3126	0.4307	0.0414	-0.0007	0.2793	0.32
1558	17.8	18.3	0.1291	-0.0103	0.3106	0.4294	0.0321	-0.0048	0.2932	0.3206
1559	18	18.2	0.1285	-0.0107	0.3107	0.4284	0.032	-0.002	0.2936	0.3236
1560	18.1	18.2	0.1297	-0.0106	0.3078	0.427	0.0342	0.0036	0.2898	0.3275
1561	18.1	18	0.1299	-0.0101	0.3074	0.4273	0.0186	-0.0005	0.2974	0.3154
1562	18.3	18	0.1295	-0.0103	0.3072	0.4265	0.0063	-0.0033	0.2966	0.2997
1563	17.5	17.9	0.1285	-0.0104	0.3081	0.4261	0.0118	0.0039	0.2927	0.3084
1564	17.6	17.8	0.1272	-0.0099	0.3088	0.4261	0.0213	0.0034	0.2902	0.3148
1565	17.2	17.7	0.1273	-0.0098	0.3081	0.4256	0.0218	0.0001	0.2862	0.308
1566	17.2	17.6	0.1271	-0.0099	0.3087	0.4259	0.0187	-0.0027	0.2766	0.2927
1567	17.7	17.5	0.128	-0.0099	0.308	0.4261	0.0333	-0.0038	0.2526	0.2821
1568	17.8	17.4	0.1298	-0.0096	0.306	0.4262	0.0517	-0.0026	0.2526	0.3017
1569	17.7	17.4	0.1306	-0.0093	0.3055	0.4268	0.0583	-0.0048	0.2526	0.3061
1570	17.2	17.4	0.1308	-0.0091	0.306	0.4277	0.0555	-0.0089	0.2375	0.2842
1571	17	17.4	0.1312	-0.009	0.3056	0.4277	0.0411	-0.0066	0.255	0.2895
1572	17.3	17.3	0.1314	-0.0093	0.3049	0.4269	0.0384	-0.0079	0.2556	0.286
1573	17.3	17.4	0.132	-0.0098	0.3047	0.4269	0.0367	-0.0052	0.2585	0.2899
1574	16.8	17.5	0.1326	-0.0102	0.3042	0.4266	0.0243	-0.0026	0.2722	0.294
1575	16.9	17.5	0.1331	-0.0103	0.3036	0.4263	0.011	0.0001	0.2812	0.2924
1576	16.5	17.5	0.1332	-0.01	0.3036	0.4268	0.0117	-0.0019	0.2804	0.2902
1577	16.9	17.4	0.1325	-0.0095	0.3043	0.4272	0.0193	-0.0049	0.2769	0.2913
1578	17.5	17.4	0.1318	-0.0097	0.3043	0.4264	0.0325	-0.004	0.2626	0.291
1579	17.9	17.3	0.132	-0.01	0.3037	0.4257	0.0284	-0.003	0.2686	0.294
1580	17.9	17.4	0.1312	-0.0101	0.3034	0.4246	0.0323	-0.0048	0.2744	0.3019
1581	17.6	17.3	0.1308	-0.0103	0.3027	0.4232	0.047	-0.0069	0.2643	0.3044
1582	18.5	17.3	0.1297	-0.0102	0.3028	0.4223	0.0458	-0.0067	0.2591	0.2982

1583	18.8	17.3	0.1275	-0.0109	0.3043	0.4209	0.0407	-0.0043	0.262	0.2983
1584	18.6	17.3	0.1258	-0.0112	0.3047	0.4193	0.0513	-0.0017	0.2637	0.3132
1585	16.6	17.4	0.125	-0.0108	0.3058	0.4199	0.059	-0.0005	0.2672	0.3256
1586	16.3	17.4	0.1256	-0.0104	0.3049	0.4201	0.0508	0.0009	0.2721	0.3238
1587	16.4	17.4	0.1266	-0.0103	0.3035	0.4198	0.0439	0.003	0.2787	0.3256
1588	17.3	17.4	0.1267	-0.0102	0.3032	0.4197	0.0362	0.004	0.2906	0.3308
1589	17.8	17.4	0.1266	-0.0099	0.303	0.4197	0.0372	0.0014	0.287	0.3256
1590	15.7	17.3	0.1271	-0.0098	0.3013	0.4186	0.0366	0.0043	0.2824	0.3233
1591	17.3	17.3	0.1274	-0.01	0.3016	0.4191	0.0397	0.0012	0.2678	0.3087
1592	17.6	17.2	0.1294	-0.0096	0.2989	0.4186	0.0233	-0.0009	0.2748	0.2973
1593	17.6	17.1	0.1289	-0.0097	0.2998	0.419	0.0178	-0.0024	0.2763	0.2918
1594	17.4	17	0.1295	-0.0095	0.2987	0.4187	0.0067	-0.005	0.2805	0.2822
1595	16.8	17	0.1305	-0.0096	0.2972	0.4181	0.0123	-0.0113	0.2781	0.2791
1596	16.6	17	0.1311	-0.0097	0.2969	0.4183	0.0192	-0.0175	0.2656	0.2673
1597	17.4	17	0.1304	-0.01	0.2984	0.4188	0.0138	-0.0224	0.263	0.2544
1598	17.8	17	0.1307	-0.0102	0.2978	0.4182	-0.0135	-0.0203	0.2825	0.2487
1599	17.4	17	0.1321	-0.0103	0.2963	0.418	-0.0301	-0.0124	0.3014	0.2589
1600	17.1	17.1	0.1322	-0.0104	0.2956	0.4174	-0.039	-0.014	0.3095	0.2565
1601	16.6	17	0.131	-0.0103	0.2962	0.4169	-0.0366	-0.0153	0.3091	0.2572
1602	16.7	17	0.1294	-0.0101	0.2972	0.4166	-0.0367	-0.0157	0.2988	0.2464
1603	16.4	17	0.1288	-0.0098	0.2978	0.4168	-0.0371	-0.0118	0.2945	0.2457
1604	16.5	17	0.1285	-0.0098	0.2976	0.4164	-0.04	-0.0133	0.2951	0.2418
1605	16.6	17	0.1281	-0.0098	0.2974	0.4157	-0.0436	-0.0098	0.3018	0.2484
1606	16.5	17.1	0.1286	-0.0095	0.2964	0.4156	-0.0507	-0.0068	0.3046	0.2471
1607	16.8	17	0.1297	-0.0091	0.2951	0.4157	-0.0458	-0.001	0.2955	0.2487
1608	17.5	17	0.1298	-0.0092	0.2951	0.4158	-0.0558	-0.0053	0.2997	0.2386
1609	17.6	17	0.1296	-0.0095	0.2954	0.4155	-0.0415	-0.01	0.2814	0.2299
1610	17.1	17	0.1297	-0.0091	0.2956	0.4162	-0.0464	-0.013	0.2855	0.2261
1611	17.2	17.1	0.1301	-0.0086	0.2959	0.4175	-0.0284	-0.0118	0.2579	0.2177
1612	17.3	17.1	0.1303	-0.009	0.2954	0.4167	-0.0148	-0.0062	0.2477	0.2267
1613	17.2	17.2	0.1299	-0.0089	0.2952	0.4162	-0.0122	-0.0066	0.2423	0.2235
1614	17	17.3	0.1297	-0.009	0.2947	0.4154	-0.0265	-0.0062	0.2605	0.2277
1615	17.6	17.3	0.1291	-0.009	0.2946	0.4147	-0.0473	-0.0014	0.2888	0.2401
1616	16.3	17.3	0.1285	-0.0089	0.2945	0.4142	-0.0456	0	0.2883	0.2426
1617	17.4	17.4	0.1275	-0.0092	0.2938	0.412	-0.0464	-0.0014	0.297	0.2492
1618	17.6	17.4	0.126	-0.0094	0.2944	0.411	-0.0418	-0.0018	0.2972	0.2535
1619	17.3	17.4	0.1256	-0.0095	0.2953	0.4114	-0.0219	0.0013	0.275	0.2545

1620	17.8	17.4	0.1264	-0.0094	0.2947	0.4116	-0.0168	0.0074	0.2786	0.2692
1621	17.8	17.5	0.1263	-0.0093	0.2946	0.4116	-0.0154	0.009	0.2789	0.2725
1622	17.8	17.5	0.1263	-0.0093	0.2939	0.4109	-0.0164	0.0086	0.2756	0.2678
1623	17.5	17.6	0.1268	-0.0095	0.293	0.4103	-0.0345	0.0065	0.2935	0.2655
1624	17.3	17.6	0.1271	-0.0096	0.2927	0.4101	-0.0384	-0.0002	0.3039	0.2652
1625	17.2	17.7	0.1276	-0.0097	0.2926	0.4105	-0.0379	-0.0058	0.3084	0.2647
1626	17.7	17.8	0.1271	-0.0097	0.2929	0.4103	-0.0327	-0.0098	0.3071	0.2647
1627	17.7	17.8	0.1262	-0.0099	0.2932	0.4094	-0.0325	-0.0096	0.3159	0.2738
1628	17.3	17.8	0.126	-0.01	0.2926	0.4086	-0.0405	-0.0081	0.3161	0.2675
1629	17.8	17.8	0.1257	-0.0097	0.2923	0.4083	-0.0479	-0.0086	0.3189	0.2624
1630	18.4	17.7	0.1251	-0.0094	0.2928	0.4085	-0.0508	-0.0109	0.323	0.2613
1631	18.4	17.7	0.1254	-0.0094	0.2924	0.4084	-0.0601	-0.011	0.3249	0.2537
1632	18.2	17.6	0.1259	-0.0095	0.2914	0.4079	-0.0625	-0.0132	0.3084	0.2328
1633	18.2	17.6	0.1259	-0.0094	0.291	0.4074	-0.0683	-0.0155	0.3002	0.2163
1634	18.3	17.6	0.1257	-0.0094	0.2904	0.4068	-0.0813	-0.0239	0.3078	0.2026
1635	17.9	17.6	0.1255	-0.0094	0.2901	0.4062	-0.0929	-0.0268	0.3058	0.1861
1636	17.2	17.6	0.1253	-0.0096	0.2898	0.4055	-0.1046	-0.0206	0.3299	0.2048
1637	17.4	17.6	0.1256	-0.0096	0.2891	0.4051	-0.1049	-0.0145	0.3351	0.2157
1638	17.5	17.6	0.1266	-0.0096	0.2884	0.4053	-0.0938	-0.0139	0.3245	0.2167
1639	17	17.6	0.127	-0.0096	0.2882	0.4055	-0.0851	-0.0122	0.3203	0.223
1640	17	17.6	0.1277	-0.0094	0.2882	0.4065	-0.0831	-0.0091	0.3291	0.2369
1641	17.1	17.6	0.1285	-0.0094	0.2873	0.4064	-0.0738	-0.0089	0.3124	0.2297
1642	17.1	17.6	0.1288	-0.0095	0.2868	0.4062	-0.0704	-0.0069	0.321	0.2437
1643	17.4	17.6	0.1295	-0.0093	0.2866	0.4069	-0.0521	-0.0005	0.3034	0.2508
1644	17.3	17.6	0.1294	-0.0089	0.2864	0.4069	-0.0608	-0.0016	0.3175	0.2551
1645	17.3	17.6	0.1288	-0.0087	0.2868	0.4069	-0.0305	0.0008	0.3024	0.2727
1646	17.7	17.7	0.1289	-0.0084	0.2868	0.4073	0.0272	-0.0009	0.2254	0.2516
1647	17.5	17.7	0.1304	-0.0085	0.2856	0.4075	0.048	0.0012	0.2076	0.2568
1648	17.4	17.7	0.131	-0.0089	0.2848	0.4069	0.0428	-0.0024	0.2302	0.2706
1649	18.3	17.7	0.1311	-0.0088	0.2847	0.4069	0.0519	-0.0033	0.2246	0.2731
1650	18.2	17.8	0.1306	-0.0088	0.285	0.4067	0.0732	-0.006	0.2052	0.2724
1651	18.8	17.8	0.1314	-0.0088	0.2843	0.4069	0.0837	-0.0032	0.1826	0.2631
1652	17.9	17.9	0.1326	-0.009	0.283	0.4066	0.0883	-0.0002	0.1829	0.2709
1653	18.1	17.9	0.134	-0.0086	0.2818	0.4072	0.0739	0.0014	0.1895	0.2648
1654	18.5	18	0.1343	-0.0088	0.281	0.4065	0.0597	0.0058	0.2108	0.2763
1655	18	18	0.1341	-0.0092	0.2812	0.4061	0.0447	0.0067	0.2328	0.2841
1656	17.4	18	0.1337	-0.0093	0.2821	0.4064	0.0413	0.0076	0.2408	0.2897

1657	17.8	18	0.1335	-0.0094	0.2827	0.4068	0.0418	0.0103	0.2413	0.2935
1658	17.6	18	0.1332	-0.0093	0.2825	0.4064	0.0448	0.0121	0.2285	0.2854
1659	18.2	18	0.1331	-0.0094	0.2821	0.4058	0.0452	0.008	0.2244	0.2776
1660	18	17.9	0.1326	-0.0094	0.2821	0.4052	0.0489	0.0022	0.2266	0.2777
1661	18.4	17.8	0.1314	-0.0095	0.2827	0.4046	0.0502	0.006	0.2241	0.2803
1662	18.3	17.8	0.1308	-0.0096	0.283	0.4041	0.0581	0.0098	0.2149	0.2828
1663	18.1	17.7	0.1311	-0.0098	0.282	0.4034	0.0609	0.0046	0.2064	0.2719
1664	17.6	17.7	0.1319	-0.0098	0.2799	0.4021	0.0504	0.0049	0.2077	0.263
1665	17.8	17.6	0.1318	-0.0098	0.2793	0.4013	0.0305	0.0004	0.2097	0.2405
1666	17.7	17.6	0.1317	-0.0097	0.279	0.401	0.0346	-0.001	0.1895	0.2232
1667	17.4	17.5	0.1322	-0.0097	0.2783	0.4007	0.0315	-0.0053	0.1931	0.2193
1668	17.4	17.5	0.132	-0.0097	0.2785	0.4008	-0.0049	-0.0101	0.208	0.1931
1669	17.7	17.4	0.1322	-0.01	0.2776	0.3998	-0.02	-0.0098	0.2308	0.2011
1670	16.9	17.3	0.1323	-0.01	0.2782	0.4004	-0.0337	-0.0078	0.2481	0.2066
1671	17.3	17.2	0.1328	-0.0099	0.278	0.4009	-0.0264	-0.0064	0.2437	0.2109
1672	16.6	17.2	0.1348	-0.01	0.2755	0.4004	-0.0303	-0.0044	0.2486	0.2139
1673	17.4	17.1	0.1359	-0.0098	0.2743	0.4004	-0.0326	-0.0009	0.2455	0.212
1674	17.5	17.1	0.1364	-0.0097	0.2734	0.4001	-0.0331	0.0038	0.2476	0.2184
1675	16.8	17.1	0.1363	-0.0094	0.2729	0.3999	-0.049	0.0079	0.2607	0.2196
1676	16.2	17.1	0.1365	-0.0091	0.272	0.3994	-0.057	0.0115	0.2708	0.2254
1677	16.7	17.1	0.1365	-0.0087	0.2727	0.4005	-0.061	0.008	0.2838	0.2308
1678	16.7	17.1	0.1366	-0.0088	0.2724	0.4002	-0.0607	0.0053	0.2876	0.2323
1679	16.5	17.1	0.1371	-0.0089	0.2714	0.3996	-0.0657	0.0085	0.2856	0.2284
1680	17	17.1	0.1372	-0.009	0.271	0.3992	-0.0752	0.0122	0.2801	0.2172
1681	17.3	17.1	0.1371	-0.0089	0.2718	0.4	-0.0849	0.0187	0.2866	0.2205
1682	17.3	17	0.1365	-0.0087	0.2728	0.4007	-0.0952	0.019	0.2931	0.217
1683	17.4	17	0.1356	-0.0085	0.2735	0.4006	-0.1189	0.0194	0.3084	0.2089
1684	17.6	17	0.1351	-0.0085	0.2741	0.4007	-0.1273	0.0161	0.3038	0.1926
1685	16.9	17	0.1354	-0.0088	0.2728	0.3994	-0.1059	0.0184	0.2809	0.1934
1686	17.6	17.1	0.1361	-0.009	0.2714	0.3985	-0.0855	0.0177	0.2683	0.2005
1687	17.3	17.1	0.136	-0.0089	0.2711	0.3982	-0.0782	0.0129	0.2604	0.195
1688	17.8	17	0.1352	-0.009	0.2712	0.3974	-0.0547	0.013	0.2454	0.2037
1689	16.9	17	0.1349	-0.009	0.2701	0.396	-0.0374	0.0187	0.2449	0.2261
1690	16.5	17	0.1345	-0.0089	0.2701	0.3956	-0.0086	0.0258	0.2315	0.2487
1691	16.5	17	0.1345	-0.0093	0.2695	0.3947	0.0215	0.0268	0.2096	0.2579
1692	16.5	16.9	0.1346	-0.0096	0.2685	0.3935	0.0412	0.0168	0.1817	0.2397
1693	17.3	16.9	0.1349	-0.0095	0.268	0.3935	0.0539	0.0082	0.1697	0.2318

1694	17.6	16.9	0.1326	-0.0096	0.2684	0.3914	0.0688	0.004	0.1604	0.2333
1695	17.2	16.9	0.1278	-0.0095	0.2747	0.3929	0.0667	-0.0012	0.1631	0.2286
1696	16	16.9	0.1263	-0.0098	0.2761	0.3926	0.0482	-0.004	0.1905	0.2347
1697	16.1	16.9	0.1261	-0.0098	0.2754	0.3917	0.0434	-0.0002	0.2031	0.2462
1698	16.8	16.9	0.1255	-0.0099	0.2753	0.3909	0.0373	0.0007	0.2005	0.2384
1699	16.5	17	0.1247	-0.0097	0.2758	0.3908	0.0189	0.0001	0.2066	0.2256
1700	16.4	17	0.1239	-0.01	0.2773	0.3911	-0.003	0.0073	0.2049	0.2092
1701	16.1	17.1	0.1222	-0.0103	0.278	0.3898	-0.026	0.0116	0.2074	0.1931
1702	16.9	17.2	0.122	-0.0102	0.2783	0.3901	-0.0254	0.0148	0.2099	0.1992
1703	17.2	17.2	0.1228	-0.0103	0.2767	0.3892	-0.0212	0.014	0.1965	0.1893
1704	17.2	17.2	0.1241	-0.0105	0.2744	0.388	0.0119	0.023	0.182	0.2169
1705	17.6	17.2	0.124	-0.0106	0.2733	0.3867	0.0115	0.0207	0.1789	0.211
1706	17.9	17.3	0.1244	-0.0105	0.2723	0.3862	0.0159	0.0169	0.1895	0.2223
1707	18.1	17.4	0.1252	-0.0103	0.2722	0.3872	0.0152	0.0152	0.2011	0.2315
1708	17.6	17.3	0.1253	-0.01	0.2727	0.388	0.0158	0.0127	0.2105	0.2391
1709	18.1	17.4	0.1247	-0.0097	0.2727	0.3878	0.0184	0.0144	0.2109	0.2437
1710	17.5	17.4	0.1247	-0.0097	0.2732	0.3882	0.0261	0.0141	0.2124	0.2525
1711	17.9	17.4	0.1243	-0.0095	0.2745	0.3892	0.0262	0.0152	0.2245	0.2659
1712	17.1	17.4	0.1242	-0.0094	0.2747	0.3895	0.0288	0.013	0.2246	0.2664
1713	18.2	17.4	0.1249	-0.0094	0.2744	0.3899	0.0421	0.011	0.2117	0.2648
1714	17.7	17.3	0.1267	-0.009	0.2738	0.3914	0.0714	0.0094	0.1965	0.2773
1715	17.5	17.3	0.1256	-0.0089	0.2757	0.3924	0.0924	0.0058	0.1871	0.2853
1716	17.6	17.3	0.1254	-0.0084	0.2752	0.3922	0.0881	0.0033	0.1926	0.284
1717	16.1	17.2	0.128	-0.0082	0.273	0.3927	0.0809	-0.0039	0.1895	0.2665
1718	17.3	17.1	0.128	-0.0084	0.2714	0.3909	0.0887	-0.0076	0.18	0.2611
1719	17.7	17	0.129	-0.0087	0.2705	0.3908	0.0773	-0.0071	0.2012	0.2714
1720	16.4	17	0.129	-0.0088	0.2703	0.3905	0.0566	-0.0096	0.2128	0.2598
1721	16.7	16.9	0.1294	-0.0088	0.2697	0.3902	0.0415	-0.0071	0.2456	0.2799
1722	16.1	16.9	0.1295	-0.0092	0.2694	0.3897	0.0285	-0.007	0.2508	0.2724
1723	16.7	16.9	0.1301	-0.0099	0.2683	0.3885	0.0332	-0.0059	0.2173	0.2446
1724	16.8	16.9	0.132	-0.0104	0.2666	0.3881	0.0271	-0.0043	0.1911	0.214
1725	16.9	16.9	0.1332	-0.0109	0.2655	0.3879	0.0168	-0.0061	0.1827	0.1934
1726	17.1	16.9	0.1332	-0.0105	0.2646	0.3872	0.0177	-0.0051	0.1731	0.1857
1727	16.5	17	0.1322	-0.0104	0.2644	0.3862	0.0262	-0.0004	0.1515	0.1774
1728	16.3	17	0.1326	-0.0109	0.264	0.3858	0.0344	0.0044	0.1657	0.2045
1729	16.6	17	0.1332	-0.0109	0.2643	0.3866	0.0409	0.005	0.1689	0.2148
1730	16.9	17.1	0.1335	-0.0112	0.2642	0.3865	0.0588	0.006	0.154	0.2188

1731	17	17	0.1349	-0.0113	0.2631	0.3867	0.071	0.0054	0.1401	0.2166
1732	17.5	17	0.1378	-0.0114	0.2606	0.387	0.0777	0.004	0.1475	0.2292
1733	17.7	17	0.1386	-0.011	0.2606	0.3882	0.0844	0.007	0.1568	0.2482
1734	17.6	16.9	0.1363	-0.0112	0.2623	0.3874	0.0807	0.0097	0.1641	0.2545
1735	17	16.9	0.134	-0.0112	0.2632	0.3861	0.0845	0.0129	0.1626	0.26
1736	17.8	16.9	0.1331	-0.0109	0.2638	0.386	0.0803	0.0174	0.1532	0.251
1737	17.7	16.9	0.1311	-0.0109	0.2646	0.3848	0.0702	0.0189	0.159	0.248
1738	17.7	16.9	0.1303	-0.0115	0.2639	0.3827	0.0559	0.0234	0.1734	0.2527
1739	17.5	16.9	0.1278	-0.0122	0.2651	0.3807	0.0272	0.026	0.2043	0.2574
1740	16.4	17	0.1255	-0.0121	0.2672	0.3807	0.0162	0.031	0.21	0.2572
1741	15.7	17	0.1243	-0.011	0.2692	0.3825	0.0251	0.029	0.2105	0.2645
1742	15.9	17	0.1235	-0.0103	0.2699	0.383	0.0301	0.0272	0.1994	0.2568
1743	16.3	17	0.1227	-0.0097	0.2706	0.3836	0.033	0.0271	0.1885	0.2486
1744	16.2	16.9	0.1228	-0.0088	0.2701	0.384	0.035	0.0289	0.1761	0.2399
1745	16.2	16.9	0.124	-0.0083	0.2677	0.3835	0.0247	0.0208	0.1626	0.2082
1746	16.5	16.9	0.1246	-0.0083	0.2664	0.3827	-0.0108	0.0193	0.2206	0.2291
1747	17.2	16.8	0.1266	-0.0085	0.2656	0.3837	-0.0271	0.0132	0.2412	0.2273
1748	17.4	16.8	0.1291	-0.0089	0.2642	0.3844	-0.0346	0.0117	0.2435	0.2206
1749	17.8	16.7	0.1314	-0.0096	0.2642	0.386	-0.0427	0.0072	0.2471	0.2116
1750	17.8	16.7	0.1332	-0.01	0.2642	0.3874	-0.0579	0.0072	0.2501	0.1994
1751	17	16.8	0.134	-0.0103	0.2633	0.387	-0.0642	0.0016	0.2599	0.1972
1752	16.8	16.8	0.1347	-0.0104	0.2634	0.3877	-0.0823	-0.0007	0.2691	0.1862
1753	16.3	16.8	0.1328	-0.0109	0.2636	0.3855	-0.0844	-0.0002	0.2752	0.1906
1754	17	16.8	0.1331	-0.0109	0.2631	0.3854	-0.077	-0.0013	0.2615	0.1832
1755	16.9	16.8	0.1325	-0.0109	0.2623	0.3839	-0.0649	-0.0028	0.2402	0.1725
1756	17.1	16.8	0.1322	-0.0108	0.2619	0.3833	-0.0667	-0.0041	0.2319	0.1611
1757	17.2	16.8	0.1319	-0.0107	0.2616	0.3829	-0.0623	-0.0031	0.2234	0.158
1758	16.3	16.8	0.1314	-0.0108	0.2614	0.382	-0.0544	-0.0009	0.2247	0.1695
1759	16.3	16.8	0.1305	-0.0108	0.2609	0.3805	-0.0541	0.0027	0.2321	0.1806
1760	16.9	16.7	0.13	-0.011	0.2596	0.3786	-0.0611	0.0059	0.2351	0.18
1761	16.5	16.7	0.1285	-0.0108	0.2602	0.3779	-0.0626	0.006	0.2428	0.1862
1762	16	16.7	0.1265	-0.0107	0.2618	0.3777	-0.0672	0.0074	0.2601	0.2004
1763	16.5	16.7	0.124	-0.0107	0.2624	0.3756	-0.0693	0.009	0.266	0.2057
1764	16.3	16.7	0.1227	-0.0104	0.2612	0.3735	-0.0621	0.0093	0.2659	0.213
1765	16.4	16.7	0.123	-0.0101	0.26	0.3729	-0.0423	0.0137	0.261	0.2324
1766	16.1	16.7	0.1237	-0.0093	0.26	0.3743	-0.055	0.0154	0.2864	0.2468
1767	17.2	16.7	0.1233	-0.0089	0.2603	0.3746	-0.0584	0.0216	0.2847	0.2479

1768	17.4	16.8	0.1242	-0.009	0.2584	0.3736	-0.0279	0.024	0.2609	0.2569
1769	16.9	16.8	0.1266	-0.0091	0.2564	0.3739	-0.0284	0.0215	0.2445	0.2376
1770	17.5	16.9	0.1282	-0.0093	0.2536	0.3724	-0.0163	0.0184	0.2369	0.239
1771	16.4	17	0.1299	-0.0092	0.2529	0.3737	-0.0163	0.0176	0.2378	0.2391
1772	16.2	17.1	0.1315	-0.0094	0.2538	0.3759	-0.0119	0.0175	0.2329	0.2385
1773	17.3	17.1	0.1331	-0.0094	0.2552	0.379	-0.0098	0.0131	0.2314	0.2348
1774	17.1	17.2	0.1347	-0.009	0.2551	0.3808	-0.0027	0.0045	0.2204	0.2222
1775	16.4	17.2	0.1346	-0.0088	0.2556	0.3813	0.0221	-0.0029	0.2009	0.2201
1776	17	17.3	0.1338	-0.009	0.2569	0.3817	0.0393	-0.0086	0.1895	0.2201
1777	17.6	17.3	0.1331	-0.0092	0.2561	0.38	0.0392	-0.0045	0.1792	0.2138
1778	17.9	17.3	0.1325	-0.0093	0.2555	0.3787	0.0264	-0.003	0.1793	0.2026
1779	17.9	17.4	0.1312	-0.0095	0.256	0.3777	0.0321	-0.0089	0.1764	0.1996
1780	18.1	17.3	0.1301	-0.0095	0.2569	0.3775	0.0412	-0.0101	0.1834	0.2146
1781	17.7	17.4	0.1293	-0.0093	0.2571	0.377	0.0463	-0.0145	0.1838	0.2156
1782	17	17.4	0.1281	-0.0094	0.2571	0.3759	0.0668	-0.0158	0.1702	0.2212
1783	17.5	17.4	0.1276	-0.0095	0.2571	0.3752	0.1101	-0.0174	0.1364	0.2291
1784	17.4	17.4	0.1266	-0.0098	0.2578	0.3747	0.1237	-0.0119	0.1386	0.2505
1785	17.5	17.5	0.1274	-0.0105	0.2575	0.3743	0.0911	-0.015	0.1671	0.2431
1786	17.9	17.5	0.1291	-0.0109	0.2555	0.3737	0.0576	-0.0149	0.1834	0.2262
1787	17.6	17.5	0.1304	-0.0113	0.2538	0.3729	0.0435	-0.0106	0.1946	0.2276
1788	17.9	17.4	0.1325	-0.0116	0.2508	0.3717	0.0121	-0.0109	0.2108	0.2119
1789	17.1	17.4	0.1333	-0.0121	0.2491	0.3703	0.0005	-0.0208	0.2031	0.1827
1790	17.3	17.3	0.132	-0.0118	0.249	0.3692	-0.0408	-0.033	0.2257	0.1519
1791	17.1	17.3	0.1315	-0.012	0.2496	0.369	-0.0793	-0.0317	0.2656	0.1546
1792	17.2	17.3	0.1313	-0.0123	0.2497	0.3687	-0.1009	-0.0142	0.3024	0.1873
1793	17	17.3	0.1314	-0.0124	0.2504	0.3695	-0.1181	-0.0013	0.3201	0.2008
1794	17	17.2	0.1301	-0.0117	0.2522	0.3706	-0.134	0.0096	0.3381	0.2137
1795	17.3	17.2	0.1289	-0.0114	0.2526	0.37	-0.1344	0.0247	0.3355	0.2258
1796	17.6	17.2	0.129	-0.0111	0.252	0.3699	-0.1141	0.035	0.2986	0.2195
1797	17.3	17.2	0.1296	-0.011	0.2511	0.3696	-0.1056	0.0348	0.2803	0.2095
1798	17.1	17.2	0.1297	-0.0106	0.2506	0.3697	-0.0693	0.0315	0.2697	0.2318
1799	17.4	17.1	0.1305	-0.0105	0.2508	0.3708	-0.0234	0.0251	0.2473	0.2491
1800	16.7	16.7	0.1303	-0.0102	0.2513	0.3714	0.0212	0.0126	0.2529	0.2867