

Test Name	OSB, no insulation, rep 1
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	No insulation
Insulation Thickness [mm]	
Cavity Width [mm]	
Repetition Number	1
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 first repetition of this system configuration.
Experiment Notes	At approximately 10 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]	115
Time to Peak HRR [mins]	11.2
Residual HRR [kW]	3.26
Total HR [MJ]	42.9
Peak dQ/dt [kW/s]	0.519
Time to Peak dQ/dt [s]	10.73

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	0.202	0.202	4.1039	0.0005	-0.0001	4.1043	0.456	0.0179	0.0197	0.4936
1	0.301	0.367	4.1046	0.0003	-0.0016	4.1033	0.4385	0.0159	0.0141	0.4685
2	0.596	0.504	4.1062	0.0006	-0.0005	4.1062	0.4299	0.0154	0.012	0.4573
3	0.74	0.684	4.106	0.0006	-0.0006	4.106	0.4151	0.0101	0.0101	0.4354
4	0.682	1.03	4.105	0.0006	-0.0009	4.1046	0.4111	0.0065	0.0083	0.426
5	0.912	1.45	4.1024	0.0006	-0.0015	4.1014	0.4288	0.0031	0.009	0.4409
6	1.35	1.9	4.1043	0.0005	-0.001	4.1039	0.4393	0.0031	0.0105	0.4529
7	1.96	2.39	4.1056	0.0005	-0.0007	4.1054	0.4421	0.0037	0.011	0.4567
8	2.56	2.8	4.1048	0.0005	-0.0006	4.1047	0.4431	0.0036	0.0124	0.4591
9	3.05	3.21	4.1036	0.0004	-0.0006	4.1034	0.4438	0.0035	0.0134	0.4608
10	3.58	3.56	4.1028	0.0002	-0.0006	4.1024	0.4462	0.003	0.0121	0.4613
11	4.11	3.9	4.1023	0.0001	-0.0005	4.102	0.4537	0.0018	0.0111	0.4666
12	4.6	4.24	4.1019	0.0002	-0.0004	4.1017	0.4666	0.0021	0.0085	0.4771
13	5.32	4.59	4.1008	0.0002	-0.0005	4.1005	0.4604	0.003	0.0081	0.4715
14	5.83	4.98	4.0988	0.0003	-0.0006	4.0986	0.4717	0.0015	0.0069	0.4801
15	6.16	5.38	4.0969	0.0004	-0.0005	4.0967	0.4672	0.0001	0.0081	0.4754
16	5.68	5.78	4.0947	0.0004	-0.0006	4.0945	0.4599	0.0002	0.008	0.4681
17	6.64	6.16	4.0929	0.0003	-0.0008	4.0924	0.4407	0.0029	0.0079	0.4514
18	6.76	6.49	4.0913	0.0004	-0.0008	4.0908	0.4541	0.0031	0.0077	0.465
19	6.78	6.82	4.09	0.0004	-0.0007	4.0897	0.4403	0.0042	0.0076	0.4521
20	6.76	7.12	4.0888	0.0004	-0.0005	4.0887	0.4321	0.0033	0.0053	0.4406
21	7.03	7.4	4.0878	0.0004	-0.0005	4.0877	0.4197	0.0018	0.0035	0.4251
22	7.52	7.67	4.0867	0.0004	-0.0006	4.0865	0.4158	0.0015	0.0041	0.4214
23	7.94	7.92	4.0858	0.0003	-0.0007	4.0854	0.4271	0.003	0.0052	0.4354
24	8.64	8.14	4.0849	0.0001	-0.0009	4.0842	0.45	0.0042	0.0058	0.46
25	8.9	8.34	4.0838	-0.0002	-0.0011	4.0825	0.472	0.0041	0.0062	0.4824
26	9.11	8.53	4.083	-0.0003	-0.0011	4.0816	0.4814	0.0041	0.0065	0.492
27	8.94	8.68	4.0819	-0.0003	-0.0011	4.0805	0.4785	0.0043	0.0055	0.4883
28	9.29	8.88	4.0807	-0.0003	-0.0012	4.0792	0.4721	0.0052	0.0053	0.4826

29	9.31	9.08	4.08	-0.0002	-0.0011	4.0788	0.4727	0.0052	0.0042	0.4821
30	9.41	9.28	4.0797	0	-0.0011	4.0786	0.4947	0.0052	0.0053	0.5052
31	9.72	9.5	4.0818	0.0001	-0.0012	4.0806	0.4931	0.0074	0.0053	0.5057
32	9.98	9.72	4.0844	0.0001	-0.0013	4.0831	0.51	0.0074	0.0063	0.5237
33	10.1	9.91	4.0852	-0.0001	-0.0013	4.0838	0.5254	0.0042	0.0063	0.536
34	9.9	10	4.0857	-0.0002	-0.0013	4.0842	0.5367	0.0046	0.0072	0.5486
35	9.34	10.2	4.0866	-0.0002	-0.0012	4.0852	0.549	0.0048	0.0074	0.5612
36	9.61	10.3	4.086	-0.0001	-0.0013	4.0846	0.5581	0.0048	0.0073	0.5702
37	10.4	10.4	4.0844	-0.0002	-0.0013	4.0829	0.5657	0.0047	0.0072	0.5776
38	10.5	10.5	4.0828	-0.0002	-0.0012	4.0814	0.5741	0.004	0.0084	0.5865
39	10.7	10.6	4.0812	-0.0003	-0.0011	4.0798	0.586	0.0035	0.0093	0.5988
40	11.2	10.7	4.0799	-0.0003	-0.0012	4.0784	0.5981	0.0025	0.0092	0.6098
41	11.6	10.8	4.0784	-0.0004	-0.0012	4.0768	0.606	0.0012	0.0087	0.6159
42	11.5	10.8	4.0771	-0.0005	-0.0011	4.0755	0.6024	0.0012	0.0079	0.6115
43	11.3	10.9	4.0764	-0.0006	-0.0009	4.0749	0.5746	0.001	0.0073	0.5829
44	11.3	11	4.0774	-0.0007	-0.0009	4.0758	0.5579	-0.0001	0.0045	0.5623
45	11.3	11.1	4.0795	-0.0008	-0.0011	4.0776	0.5585	-0.002	0.0044	0.5609
46	11.5	11.2	4.0794	-0.0008	-0.0013	4.0773	0.5508	-0.002	0.0025	0.5512
47	11.3	11.3	4.078	-0.0007	-0.0014	4.0759	0.5415	-0.0011	0.0032	0.5436
48	11.1	11.3	4.0776	-0.0007	-0.0013	4.0756	0.5345	-0.0001	0.005	0.5394
49	11	11.3	4.0774	-0.0005	-0.0014	4.0755	0.5336	0.0001	0.0053	0.539
50	11.5	11.4	4.0778	-0.0004	-0.0011	4.0763	0.5354	0.0001	0.006	0.5415
51	10.8	11.4	4.0778	-0.0004	-0.001	4.0764	0.5826	0.0017	0.0117	0.596
52	11	11.4	4.0782	-0.0001	-0.0009	4.0771	0.6116	0.0008	-0.0021	0.6103
53	11.5	11.3	4.078	0.0001	-0.0008	4.0772	0.6635	0.0043	0.0086	0.6765
54	11.6	11.4	4.0766	0.0002	-0.0009	4.076	0.6838	0.0056	0.0089	0.6982
55	11.8	11.4	4.0756	0.0002	-0.001	4.0748	0.6952	0.0065	0.0058	0.7076
56	11.5	11.4	4.075	0.0002	-0.001	4.0742	0.6921	0.0079	-0.0006	0.6994
57	11.3	11.5	4.0745	0.0002	-0.0011	4.0736	0.7273	0.008	0.0038	0.739
58	11.5	11.5	4.074	0.0002	-0.0012	4.073	0.7572	0.0076	0.0056	0.7704
59	11.7	11.6	4.0734	0.0002	-0.0011	4.0725	0.761	0.009	0.0068	0.7768
60	11.7	11.6	4.0725	0.0003	-0.0011	4.0717	0.7623	0.0081	0.008	0.7784
61	11.1	11.6	4.0712	0.0003	-0.0009	4.0706	0.7587	0.0072	0.0085	0.7743
62	11.2	11.6	4.0712	0.0002	-0.0009	4.0705	0.7632	0.0075	0.0095	0.7801
63	11.6	11.6	4.07	0.0003	-0.0008	4.0695	0.7794	0.0099	0.0116	0.8009
64	11.9	11.6	4.0698	0.0004	-0.0009	4.0693	0.7782	0.0094	0.0098	0.7974
65	12	11.7	4.0698	0.0004	-0.0009	4.0693	0.761	0.0094	0.0092	0.7795

66	11.9	11.7	4.0706	0.0002	-0.0009	4.07	0.7544	0.0085	0.0092	0.7721
67	12.4	11.8	4.0693	0.0002	-0.0009	4.0686	0.7406	0.0073	0.008	0.7559
68	12	11.8	4.0698	0.0001	-0.0009	4.069	0.7322	0.0073	0.0067	0.7462
69	11.5	11.8	4.0699	0.0002	-0.0007	4.0694	0.7188	0.0083	0.007	0.7341
70	11	11.9	4.0704	0.0003	-0.0006	4.07	0.6927	0.009	0.0088	0.7105
71	11.3	11.9	4.0702	0.0003	-0.0007	4.0699	0.6592	0.0104	0.0105	0.6801
72	11.8	12	4.069	0.0002	-0.0008	4.0684	0.6251	0.011	0.0114	0.6475
73	12.1	12	4.0669	0.0001	-0.0008	4.0662	0.5969	0.0104	0.0116	0.6188
74	12.4	12	4.0648	0.0001	-0.0008	4.064	0.5869	0.0083	0.0107	0.6059
75	12.6	12	4.0636	0.0001	-0.0009	4.0628	0.579	0.0048	0.0096	0.5934
76	12.2	12	4.0633	0.0001	-0.0008	4.0626	0.5653	0.0001	0.0082	0.5736
77	11.9	11.9	4.0633	0	-0.0008	4.0626	0.5531	-0.0001	0.0089	0.5619
78	12.6	11.9	4.0628	0	-0.0007	4.0621	0.5467	-0.001	0.008	0.5537
79	12.1	12	4.0606	0	-0.0008	4.0598	0.5562	0	0.0072	0.5634
80	12	12	4.0602	-0.0002	-0.0008	4.0592	0.5644	-0.0004	0.0084	0.5724
81	12.1	12.1	4.0583	-0.0002	-0.0009	4.0573	0.5821	0.0023	0.0084	0.5928
82	12.1	12.1	4.0566	0.0001	-0.0009	4.0557	0.6293	0.0027	0.0062	0.6382
83	11.9	12.2	4.0551	0	-0.001	4.0541	0.6877	0.0012	0.0043	0.6932
84	11.4	12.2	4.0535	0	-0.001	4.0525	0.7197	-0.0007	0.0024	0.7214
85	11.8	12.3	4.0522	0	-0.001	4.0512	0.739	-0.0025	0.001	0.7375
86	12.2	12.3	4.0509	0	-0.001	4.0499	0.7595	-0.0028	0.0013	0.7581
87	12	12.4	4.0496	0.0001	-0.0011	4.0486	0.7682	-0.0017	0.0004	0.7669
88	11.7	12.3	4.048	0.0001	-0.0012	4.0469	0.7693	-0.0023	0.001	0.768
89	12	12.4	4.0463	0.0002	-0.0012	4.0453	0.7677	-0.0026	0.0021	0.7672
90	12.5	12.4	4.045	0.0003	-0.0012	4.0442	0.7644	-0.0019	0.0033	0.7657
91	12.8	12.5	4.0447	0.0003	-0.0011	4.0439	0.7731	-0.0029	-0.0014	0.7687
92	13.1	12.5	4.0467	0.0003	-0.001	4.046	0.7736	-0.0031	-0.0025	0.768
93	13.1	12.6	4.0477	0.0004	-0.0008	4.0473	0.7657	-0.0054	-0.0027	0.7577
94	13.3	12.6	4.0471	0.0006	-0.0008	4.0469	0.7538	-0.0064	-0.0016	0.7459
95	13.3	12.7	4.0473	0.0006	-0.0006	4.0473	0.7311	-0.0065	-0.0025	0.7221
96	12.8	12.8	4.0476	0.0005	-0.0007	4.0475	0.7224	-0.0073	-0.0041	0.7111
97	12.1	12.8	4.0478	0.0004	-0.0009	4.0473	0.709	-0.0075	-0.0041	0.6974
98	13.1	12.9	4.0473	0.0004	-0.0009	4.0468	0.694	-0.0054	-0.0019	0.6868
99	12.9	13	4.0466	0.0004	-0.001	4.0461	0.7057	-0.0047	0.0015	0.7025
100	12.7	13.1	4.0456	0.0003	-0.0013	4.0447	0.7315	-0.0029	0.0029	0.7315
101	12.8	13.1	4.0434	0.0002	-0.0014	4.0422	0.7642	-0.0016	0.0056	0.7683
102	12.9	13.1	4.0399	0.0001	-0.0014	4.0386	0.7801	-0.0009	0.0052	0.7844

103	12.6	13.2	4.0376	0	-0.0015	4.0362	0.7905	0.0011	0.0052	0.7969
104	13	13.2	4.0354	-0.0001	-0.0015	4.0339	0.8001	0.0013	0.0078	0.8092
105	13.6	13.2	4.0331	-0.0002	-0.0015	4.0315	0.7986	0.0025	0.0105	0.8116
106	13.4	13.3	4.0316	-0.0003	-0.0013	4.03	0.8002	0.0035	0.0104	0.8142
107	13.3	13.3	4.0299	-0.0003	-0.0012	4.0284	0.8168	0.005	0.011	0.8328
108	13.8	13.4	4.0287	-0.0004	-0.0013	4.027	0.8261	0.006	0.0091	0.8411
109	14	13.4	4.0274	-0.0004	-0.0014	4.0256	0.8532	0.0051	0.0066	0.8649
110	13.5	13.4	4.0269	-0.0005	-0.0014	4.025	0.8639	0.0053	0.0094	0.8786
111	13.1	13.5	4.026	-0.0006	-0.0014	4.024	0.8629	0.0067	0.0105	0.8801
112	14.1	13.5	4.024	-0.0008	-0.0016	4.0216	0.8604	0.0068	0.0114	0.8786
113	14	13.5	4.023	-0.0007	-0.0015	4.0208	0.8651	0.0067	0.0117	0.8835
114	13.5	13.6	4.0227	-0.0006	-0.0015	4.0206	0.8534	0.0085	0.0125	0.8744
115	13.3	13.5	4.0214	-0.0004	-0.0014	4.0195	0.8529	0.01	0.011	0.8739
116	13.4	13.6	4.0207	-0.0003	-0.0014	4.0189	0.8588	0.0102	0.0112	0.8802
117	13.8	13.6	4.0197	-0.0004	-0.0015	4.0178	0.8748	0.0093	0.0122	0.8962
118	13.3	13.6	4.0194	-0.0004	-0.0015	4.0174	0.8693	0.0102	0.0125	0.892
119	13.3	13.6	4.0207	-0.0005	-0.0015	4.0186	0.8789	0.0112	0.008	0.8981
120	13.7	13.7	4.0229	-0.0006	-0.0016	4.0207	0.8812	0.0118	0.0086	0.9016
121	13.6	13.7	4.0253	-0.0007	-0.0016	4.0229	0.8926	0.0119	0.0098	0.9143
122	13.6	13.7	4.0271	-0.0007	-0.0017	4.0247	0.8907	0.0112	0.0085	0.9104
123	13.2	13.7	4.0272	-0.0006	-0.0018	4.0248	0.883	0.0099	0.0074	0.9004
124	13.3	13.7	4.027	-0.0004	-0.0018	4.0249	0.8739	0.0076	0.0084	0.8899
125	13.8	13.7	4.0273	-0.0002	-0.0019	4.0251	0.8614	0.007	0.0086	0.877
126	14.2	13.7	4.0277	-0.0003	-0.002	4.0254	0.8686	0.0064	0.0077	0.8828
127	14	13.7	4.0272	-0.0002	-0.0019	4.0251	0.8841	0.0058	0.007	0.8969
128	14	13.8	4.025	-0.0003	-0.0019	4.0228	0.8935	0.0046	0.0061	0.9042
129	14.6	13.8	4.0236	-0.0001	-0.0019	4.0216	0.8982	0.005	0.0069	0.9101
130	13.7	13.9	4.0215	-0.0003	-0.0019	4.0193	0.8927	0.007	0.0058	0.9054
131	13.4	13.9	4.0188	-0.0002	-0.0018	4.0168	0.9161	0.005	0.0049	0.926
132	13.9	13.9	4.0156	-0.0001	-0.0017	4.0138	0.8962	0.004	0.0031	0.9033
133	13.8	14	4.0133	0	-0.0016	4.0117	0.8584	0.0066	0.0039	0.8689
134	13.8	14	4.0118	0.0001	-0.0014	4.0104	0.8251	0.0045	0.004	0.8337
135	13.7	14.1	4.0106	0.0001	-0.0014	4.0094	0.7912	0.0032	0.0048	0.7992
136	13.6	14.1	4.0092	0.0001	-0.0013	4.0079	0.7656	0.005	0.0077	0.7783
137	14.2	14.2	4.0075	0	-0.0014	4.0061	0.7432	0.006	0.009	0.7582
138	14.7	14.2	4.006	0.0001	-0.0014	4.0046	0.7418	0.0062	0.0071	0.755
139	14.4	14.2	4.0048	-0.0001	-0.0014	4.0033	0.7544	0.0057	0.0033	0.7634

140	13.8	14.2	4.0026	0	-0.0011	4.0015	0.7506	0.0066	0.0008	0.758
141	14.4	14.3	4.0011	-0.0001	-0.001	4	0.7632	0.0108	0.0042	0.7782
142	13.9	14.4	4.0005	0	-0.0008	3.9997	0.7957	0.0141	0.0079	0.8177
143	14.6	14.5	4.0011	0	-0.0007	4.0004	0.8253	0.0152	0.0076	0.848
144	14.8	14.5	4.0043	-0.0001	-0.0006	4.0036	0.8352	0.0171	0.0109	0.8632
145	14.7	14.6	4.0072	-0.0001	-0.0007	4.0065	0.8299	0.019	0.0119	0.8608
146	15.1	14.7	4.0085	-0.0001	-0.0009	4.0075	0.8265	0.019	0.0139	0.8594
147	14.6	14.8	4.0086	-0.0002	-0.0012	4.0073	0.812	0.016	0.0131	0.8412
148	14.4	14.8	4.0071	-0.0002	-0.0015	4.0054	0.8023	0.0129	0.0108	0.826
149	14.9	14.9	4.0042	-0.0002	-0.0016	4.0024	0.8035	0.0126	0.0106	0.8267
150	14.9	15	4.0014	-0.0002	-0.0017	3.9995	0.8063	0.013	0.0103	0.8296
151	14.9	15	3.9998	-0.0003	-0.0015	3.998	0.8031	0.0119	0.0068	0.8218
152	15.2	15	3.9991	-0.0002	-0.0014	3.9974	0.7836	0.0099	0.0054	0.7989
153	15.4	15	3.998	-0.0001	-0.0016	3.9963	0.7464	0.0072	0.0056	0.7593
154	15.6	15	3.9967	0	-0.0019	3.9948	0.7238	0.0048	0.0044	0.733
155	14.7	15	3.9955	-0.0001	-0.002	3.9934	0.7131	0.0045	0.0047	0.7223
156	15.5	15	3.9933	-0.0003	-0.0021	3.9909	0.7185	0.0033	0.0076	0.7294
157	15.3	14.9	3.9919	-0.0004	-0.002	3.9895	0.7374	0.0033	0.0096	0.7503
158	15.6	15	3.9887	-0.0003	-0.0018	3.9865	0.7422	0.0034	0.0097	0.7553
159	15.5	15	3.987	-0.0003	-0.002	3.9847	0.7654	0.002	0.0097	0.7771
160	14.9	15	3.9862	-0.0004	-0.0021	3.9837	0.7687	0.0027	0.009	0.7804
161	14.6	15	3.9852	-0.0004	-0.002	3.9828	0.7823	0.0019	0.0107	0.7949
162	14.7	15	3.9846	-0.0005	-0.0021	3.9821	0.8036	0.0009	0.0093	0.8139
163	14.5	14.9	3.9846	-0.0005	-0.0021	3.982	0.799	-0.0009	0.0071	0.8052
164	14.2	15	3.9845	-0.0006	-0.002	3.9819	0.8035	-0.0001	0.0086	0.8119
165	14.7	15	3.9839	-0.0006	-0.002	3.9813	0.8157	0.0008	0.0096	0.8261
166	14.5	15	3.9832	-0.0007	-0.0021	3.9803	0.8131	0.0036	0.0102	0.827
167	15	15	3.9824	-0.0008	-0.0022	3.9794	0.8183	0.0047	0.0095	0.8325
168	14.5	15	3.9819	-0.001	-0.0017	3.9792	0.8299	0.0032	0.0079	0.841
169	14.9	15.1	3.9818	-0.001	-0.0016	3.9792	0.8517	0.0043	0.0077	0.8636
170	15.2	15.1	3.9811	-0.0009	-0.0016	3.9786	0.8844	0.0048	0.0085	0.8976
171	15	15.3	3.9812	-0.0008	-0.0015	3.9788	0.9162	0.0024	0.008	0.9265
172	15	15.3	3.9807	-0.0008	-0.0015	3.9784	0.9504	0.0011	0.0075	0.959
173	15.7	15.5	3.9795	-0.0007	-0.0016	3.9772	0.9851	0.0023	0.0057	0.9931
174	16	15.7	3.9786	-0.0006	-0.0017	3.9763	1.0004	0.0025	0.006	1.0088
175	15.9	15.8	3.9767	-0.0005	-0.0016	3.9745	1.0056	0.0044	0.0076	1.0175
176	15.6	15.9	3.9749	-0.0005	-0.0015	3.9729	1.0247	0.0066	0.0052	1.0366

177	15.6	16	3.974	-0.0005	-0.0014	3.9721	1.0546	0.0068	0.0034	1.0648
178	16	16.1	3.973	-0.0005	-0.0014	3.9711	1.0709	0.0093	0.004	1.0842
179	16.3	16.2	3.9713	-0.0007	-0.0014	3.9693	1.07	0.0102	0.004	1.0842
180	16.8	16.2	3.9686	-0.0007	-0.0013	3.9666	1.0738	0.0123	0.0035	1.0896
181	16.3	16.3	3.9687	-0.0006	-0.0012	3.9669	1.0664	0.0094	0.0034	1.0792
182	17.5	16.4	3.9707	-0.0006	-0.0013	3.9688	1.054	0.008	0.0044	1.0664
183	17	16.5	3.9726	-0.0004	-0.0014	3.9708	1.0346	0.008	0.005	1.0476
184	17.1	16.5	3.9744	-0.0003	-0.0015	3.9726	1.021	0.008	0.0074	1.0364
185	17.6	16.6	3.9756	-0.0005	-0.0018	3.9733	1.0207	0.0084	0.0094	1.0384
186	17	16.7	3.9766	-0.0006	-0.0019	3.9741	1.007	0.008	0.0094	1.0245
187	15.9	16.8	3.9755	-0.0006	-0.0018	3.9731	1.0068	0.0086	0.0086	1.024
188	15.8	16.8	3.9726	-0.0005	-0.0015	3.9706	0.9951	0.0083	0.0062	1.0097
189	16.3	16.8	3.9713	-0.0005	-0.0013	3.9695	0.9952	0.0078	0.0058	1.0089
190	16.6	16.8	3.9687	-0.0008	-0.0016	3.9663	0.9898	0.0069	0.0062	1.0029
191	16.8	16.8	3.9652	-0.0011	-0.0019	3.9622	0.9772	0.0086	0.0107	0.9965
192	17	16.8	3.9642	-0.0012	-0.0018	3.9612	0.9749	0.008	0.0115	0.9944
193	17.2	16.8	3.9642	-0.0013	-0.0019	3.961	0.9817	0.0095	0.0129	1.0041
194	16.8	16.7	3.9641	-0.0013	-0.002	3.9608	0.9974	0.0104	0.0148	1.0226
195	17.4	16.7	3.9646	-0.0013	-0.002	3.9613	1.0401	0.0105	0.0172	1.0678
196	17.2	16.6	3.9664	-0.0011	-0.002	3.9634	1.0834	0.0105	0.0172	1.111
197	16.3	16.6	3.9675	-0.0009	-0.0019	3.9647	1.1128	0.009	0.0151	1.1369
198	16.3	16.7	3.967	-0.0009	-0.002	3.9642	1.138	0.0085	0.013	1.1594
199	16.7	16.7	3.966	-0.0009	-0.002	3.9631	1.1359	0.009	0.0094	1.1544
200	16.8	16.6	3.9653	-0.0009	-0.002	3.9625	1.1193	0.0109	0.0084	1.1386
201	17	16.5	3.965	-0.0008	-0.0019	3.9623	1.1058	0.0114	0.0084	1.1256
202	16.9	16.5	3.9652	-0.0006	-0.002	3.9627	1.1111	0.0123	0.0098	1.1333
203	16.3	16.5	3.9652	-0.0004	-0.0019	3.9629	1.1261	0.0137	0.0107	1.1504
204	16.1	16.5	3.9641	-0.0005	-0.002	3.9616	1.1342	0.0161	0.0086	1.1589
205	16.7	16.4	3.9613	-0.0005	-0.0022	3.9586	1.1389	0.0176	0.0049	1.1613
206	15.8	16.4	3.9578	-0.0006	-0.0023	3.9549	1.1448	0.0161	0.0039	1.1648
207	17	16.5	3.9557	-0.0006	-0.0022	3.9529	1.1481	0.0152	0.0028	1.1661
208	15.5	16.5	3.9522	-0.0006	-0.0023	3.9493	1.1534	0.015	0.0031	1.1715
209	15.1	16.6	3.9505	-0.0007	-0.0023	3.9476	1.1357	0.016	0.0057	1.1574
210	16.1	16.7	3.9487	-0.0007	-0.0025	3.9455	1.147	0.0172	0.0028	1.1669
211	16.2	16.7	3.9456	-0.0007	-0.0023	3.9426	1.1595	0.0183	0.004	1.1818
212	16.9	16.8	3.9441	-0.0007	-0.0023	3.9411	1.1659	0.018	0.0046	1.1885
213	16.7	16.8	3.9427	-0.0007	-0.0024	3.9396	1.1792	0.0175	0.0054	1.2021

214	16.7	16.9	3.9412	-0.0007	-0.0025	3.938	1.1987	0.0175	0.0089	1.2251
215	17	17	3.9401	-0.0008	-0.0024	3.9368	1.2281	0.017	0.0092	1.2543
216	17.1	17.2	3.9388	-0.0008	-0.0024	3.9357	1.2467	0.0161	0.0088	1.2716
217	17.5	17.2	3.9367	-0.0007	-0.0023	3.9337	1.2602	0.0148	0.0072	1.2822
218	17.9	17.4	3.9342	-0.0009	-0.0023	3.9311	1.263	0.0121	0.0076	1.2827
219	18	17.5	3.9323	-0.001	-0.0024	3.9289	1.2703	0.0076	0.0144	1.2923
220	18.4	17.7	3.9313	-0.0009	-0.0024	3.928	1.2865	0.006	0.017	1.3094
221	17.4	17.8	3.9302	-0.0008	-0.0024	3.927	1.2915	0.0061	0.0162	1.3139
222	17.5	17.8	3.9285	-0.0009	-0.0023	3.9253	1.2952	0.0046	0.015	1.3148
223	18.3	17.9	3.9271	-0.0008	-0.0024	3.9239	1.3002	0.0041	0.016	1.3203
224	18.3	18.1	3.9265	-0.0008	-0.0026	3.9231	1.3087	0.0064	0.0145	1.3296
225	18.2	18.2	3.9248	-0.0009	-0.0024	3.9215	1.317	0.008	0.012	1.337
226	18.4	18.3	3.9222	-0.001	-0.0023	3.9189	1.3249	0.0104	0.0116	1.347
227	18.1	18.4	3.9201	-0.0011	-0.0023	3.9167	1.3335	0.0119	0.0147	1.36
228	18.4	18.5	3.918	-0.0013	-0.0023	3.9144	1.3639	0.0139	0.016	1.3938
229	18.3	18.6	3.9162	-0.0013	-0.0022	3.9126	1.3913	0.0161	0.0153	1.4227
230	18	18.7	3.9149	-0.0012	-0.0022	3.9114	1.3999	0.0163	0.0152	1.4315
231	18.3	18.8	3.9134	-0.001	-0.0023	3.9102	1.3956	0.0165	0.0155	1.4276
232	18.9	19	3.9121	-0.0009	-0.0022	3.909	1.4178	0.017	0.016	1.4508
233	19.1	19.1	3.9112	-0.0008	-0.0023	3.908	1.4623	0.0165	0.0141	1.493
234	19.2	19.3	3.9097	-0.0008	-0.0024	3.9066	1.5082	0.0173	0.0122	1.5377
235	19.9	19.5	3.9099	-0.0007	-0.0023	3.9069	1.5504	0.0176	0.0119	1.5798
236	19	19.7	3.9085	-0.0008	-0.0022	3.9055	1.5879	0.0142	0.0106	1.6127
237	19.6	19.9	3.908	-0.0008	-0.002	3.9051	1.6343	0.0088	0.0051	1.6482
238	19.6	20.1	3.9065	-0.0007	-0.002	3.9037	1.6539	0.0074	0.0068	1.668
239	20	20.3	3.9058	-0.0008	-0.0021	3.903	1.6454	0.0065	0.0088	1.6607
240	20.4	20.5	3.9049	-0.0009	-0.0022	3.9018	1.6623	0.0087	0.012	1.683
241	20.9	20.7	3.9036	-0.0009	-0.0021	3.9005	1.6587	0.0077	0.0084	1.6748
242	21.2	20.8	3.9023	-0.001	-0.0021	3.8993	1.6415	0.0049	0.0059	1.6523
243	21.8	21	3.9013	-0.001	-0.0022	3.8981	1.6535	0.0032	0.0062	1.663
244	22.2	21.2	3.9003	-0.0011	-0.0023	3.8968	1.6759	0.0007	0.0065	1.6831
245	21.4	21.3	3.8989	-0.0011	-0.0024	3.8953	1.6934	-0.0013	0.0081	1.7002
246	21.9	21.5	3.8973	-0.001	-0.0024	3.8938	1.7123	-0.0044	0.0084	1.7163
247	22.3	21.7	3.8948	-0.001	-0.0025	3.8913	1.754	-0.0044	0.008	1.7576
248	21.1	21.9	3.8935	-0.0011	-0.0024	3.89	1.7878	-0.0017	0.0077	1.7937
249	22.2	22.1	3.8923	-0.0013	-0.0025	3.8885	1.7997	-0.0001	0.0073	1.8068
250	21.6	22.2	3.8908	-0.0014	-0.0025	3.8869	1.8141	0.0022	0.008	1.8243

251	22.4	22.3	3.8887	-0.0015	-0.0025	3.8847	1.8361	0.007	0.0079	1.851
252	22.4	22.4	3.8865	-0.0016	-0.0025	3.8824	1.8609	0.0098	0.0068	1.8775
253	22.2	22.5	3.8845	-0.0017	-0.0025	3.8804	1.8913	0.0137	0.0079	1.9129
254	22.6	22.6	3.8828	-0.0018	-0.0024	3.8787	1.929	0.019	0.0121	1.9601
255	23.1	22.7	3.8811	-0.0017	-0.0024	3.8769	1.9408	0.0219	0.0132	1.976
256	23.3	22.7	3.8785	-0.0018	-0.0024	3.8743	1.9559	0.02	0.0118	1.9876
257	23.5	22.8	3.8765	-0.0019	-0.0023	3.8723	1.9493	0.0173	0.0094	1.976
258	22.4	22.9	3.8751	-0.0019	-0.0024	3.8708	1.9692	0.0202	0.0108	2.0001
259	23.7	23	3.8723	-0.002	-0.0023	3.868	1.9607	0.0225	0.0071	1.9902
260	22	23.2	3.8702	-0.0022	-0.0025	3.8655	1.9736	0.0234	0.0046	2.0016
261	23.7	23.3	3.8686	-0.0022	-0.0025	3.8639	1.9873	0.0234	0.0035	2.0142
262	23.5	23.4	3.8667	-0.0022	-0.0026	3.8619	1.9902	0.0224	0.0067	2.0194
263	23.9	23.5	3.8648	-0.0023	-0.0029	3.8595	2.0034	0.021	0.009	2.0334
264	22.4	23.6	3.8617	-0.0023	-0.0029	3.8565	2.0193	0.0187	0.0084	2.0464
265	23.2	23.7	3.8593	-0.0022	-0.0029	3.8541	2.042	0.0163	0.0067	2.065
266	23.7	23.9	3.8571	-0.0022	-0.0028	3.8521	2.0701	0.0139	0.0076	2.0915
267	23.6	24	3.8561	-0.002	-0.0029	3.8511	2.0919	0.0136	0.0082	2.1137
268	24	24.2	3.8549	-0.0018	-0.0031	3.85	2.0993	0.0114	0.0073	2.1181
269	24.7	24.2	3.8532	-0.0016	-0.0033	3.8483	2.1123	0.0083	0.0054	2.1259
270	24.7	24.4	3.8519	-0.0015	-0.0032	3.8472	2.1069	0.0063	0.0069	2.12
271	24.5	24.4	3.8516	-0.0013	-0.003	3.8473	2.1316	0.009	0.0088	2.1495
272	24.4	24.5	3.8507	-0.0012	-0.0031	3.8464	2.1493	0.0107	0.0091	2.1692
273	25	24.6	3.8486	-0.0013	-0.0031	3.8442	2.171	0.01	0.013	2.194
274	24.3	24.8	3.8469	-0.0014	-0.0029	3.8426	2.1951	0.0117	0.0109	2.2177
275	25.9	25	3.8442	-0.0016	-0.0028	3.8398	2.2222	0.0126	0.007	2.2418
276	26.3	25.1	3.8416	-0.0017	-0.003	3.8369	2.2314	0.0133	0.0081	2.2529
277	25.7	25.3	3.8376	-0.0019	-0.003	3.8328	2.2372	0.0158	0.0082	2.2612
278	24.8	25.4	3.8339	-0.0021	-0.0029	3.8288	2.2441	0.0189	0.0061	2.2691
279	25	25.6	3.8313	-0.0023	-0.0029	3.8261	2.2427	0.0206	0.0038	2.2671
280	24.6	25.8	3.8291	-0.0023	-0.0028	3.8239	2.254	0.0225	0.0029	2.2794
281	25	26	3.8269	-0.0023	-0.0028	3.8218	2.2723	0.0256	0.0033	2.3012
282	25.7	26.3	3.8245	-0.0023	-0.0027	3.8195	2.3003	0.0257	0.0026	2.3286
283	26	26.4	3.8218	-0.0022	-0.0026	3.817	2.3294	0.0217	0.004	2.3551
284	26.2	26.7	3.8193	-0.0021	-0.0027	3.8146	2.3485	0.0169	0.0058	2.3712
285	26	26.9	3.8168	-0.0019	-0.0028	3.8121	2.3807	0.0152	0.0051	2.4011
286	27	27.1	3.8132	-0.0015	-0.0024	3.8093	2.4108	0.0141	0.0088	2.4337
287	26.9	27.4	3.8101	-0.0013	-0.0025	3.8063	2.4275	0.013	0.0091	2.4496

288	27.7	27.8	3.808	-0.0011	-0.0024	3.8045	2.4708	0.0153	0.0123	2.4984
289	28.7	28.1	3.8051	-0.0013	-0.0025	3.8012	2.4854	0.0168	0.0123	2.5145
290	29.1	28.5	3.8028	-0.0016	-0.0024	3.7989	2.5111	0.0157	0.0113	2.538
291	29	28.8	3.801	-0.0016	-0.0025	3.7969	2.5327	0.0128	0.0088	2.5543
292	28.7	29	3.7988	-0.0015	-0.0024	3.7949	2.5518	0.0106	0.008	2.5703
293	29.4	29.3	3.7966	-0.0014	-0.0025	3.7927	2.5839	0.0102	0.0094	2.6035
294	28.9	29.6	3.7948	-0.0012	-0.0028	3.7908	2.6276	0.0114	0.0097	2.6488
295	30.2	29.9	3.7934	-0.0009	-0.0028	3.7897	2.6632	0.0124	0.0101	2.6857
296	31.8	30.2	3.791	-0.0006	-0.0028	3.7876	2.6815	0.0114	0.0113	2.7043
297	31.9	30.5	3.7888	-0.0007	-0.0027	3.7854	2.7013	0.012	0.0127	2.726
298	31.6	30.7	3.787	-0.0008	-0.0027	3.7835	2.7059	0.012	0.0111	2.729
299	31.4	30.9	3.7846	-0.0011	-0.0028	3.7807	2.7179	0.0138	0.011	2.7427
300	30.7	31.1	3.7817	-0.0016	-0.0027	3.7774	2.7427	0.0138	0.0068	2.7633
301	30.7	31.4	3.7789	-0.0017	-0.0026	3.7746	2.7651	0.0125	0.006	2.7836
302	31.8	31.6	3.7761	-0.002	-0.0028	3.7714	2.7783	0.012	0.004	2.7943
303	31.2	31.8	3.7723	-0.0023	-0.0031	3.7669	2.7956	0.0126	0.0047	2.8129
304	32.1	32.1	3.77	-0.0027	-0.0033	3.7641	2.8118	0.0117	0.0079	2.8314
305	31.6	32.4	3.7657	-0.0025	-0.0034	3.7598	2.8274	0.0091	0.0104	2.8469
306	32.4	32.5	3.7629	-0.0023	-0.0032	3.7573	2.8438	0.0081	0.01	2.8618
307	31.8	32.6	3.7587	-0.0026	-0.0033	3.7528	2.8498	0.0084	0.0088	2.867
308	32.2	32.7	3.7561	-0.0028	-0.003	3.7503	2.8677	0.0088	0.0106	2.8871
309	33.7	32.9	3.7532	-0.003	-0.0028	3.7474	2.8959	0.0082	0.009	2.9131
310	33.9	33.3	3.7499	-0.003	-0.0028	3.7441	2.8958	0.0092	0.009	2.9139
311	33.9	33.6	3.7466	-0.0029	-0.003	3.7407	2.9045	0.0102	0.0081	2.9227
312	33.5	34	3.7437	-0.0028	-0.0032	3.7377	2.929	0.012	0.0089	2.9499
313	33.9	34.5	3.7407	-0.0026	-0.0032	3.7349	2.9421	0.012	0.0061	2.9601
314	35	34.8	3.737	-0.0023	-0.0031	3.7315	2.9771	0.0102	0.0044	2.9917
315	34.4	35.2	3.7331	-0.0022	-0.0032	3.7277	2.9755	0.0092	0.004	2.9887
316	33.1	35.5	3.7296	-0.0022	-0.0032	3.7243	2.9858	0.009	0.0026	2.9974
317	33.6	35.9	3.7268	-0.0019	-0.003	3.7219	3.0058	0.0084	0.0027	3.0168
318	35.2	36.4	3.723	-0.0017	-0.0028	3.7185	3.0297	0.0102	0.0019	3.0418
319	38.3	36.7	3.7216	-0.0016	-0.0031	3.7169	3.0548	0.0121	0.0005	3.0673
320	37.7	37	3.7181	-0.0018	-0.0033	3.7131	3.0812	0.012	0.0004	3.0936
321	38.2	37.3	3.7153	-0.0019	-0.0033	3.7101	3.1038	0.013	0.0018	3.1186
322	40.5	37.6	3.7114	-0.0019	-0.0036	3.7059	3.1274	0.0162	0.0045	3.1481
323	39.2	37.9	3.7076	-0.002	-0.0035	3.7021	3.1394	0.0169	0.0056	3.1618
324	38.3	38.2	3.7043	-0.0021	-0.0033	3.6989	3.1402	0.016	0.0029	3.1592

325	38.8	38.4	3.7017	-0.0022	-0.0033	3.6962	3.1799	0.0162	0.0029	3.199
326	39.8	38.7	3.6985	-0.0025	-0.0032	3.6928	3.1954	0.0178	0.0021	3.2153
327	40.2	39	3.6957	-0.003	-0.0029	3.6898	3.1842	0.0196	0.0027	3.2066
328	39.7	39.3	3.6938	-0.0034	-0.0027	3.6877	3.1774	0.0192	0.0022	3.1988
329	39.4	39.5	3.6908	-0.0036	-0.0025	3.6847	3.1582	0.0162	0.0027	3.1771
330	39.5	39.7	3.6876	-0.0038	-0.0026	3.6813	3.1644	0.0124	0.0036	3.1805
331	39.8	39.9	3.6834	-0.0036	-0.0025	3.6773	3.1796	0.0082	0.0041	3.192
332	39	40.1	3.6792	-0.003	-0.0026	3.6735	3.2004	0.0043	0.0044	3.209
333	40.4	40.3	3.6763	-0.0025	-0.0029	3.6709	3.2258	0.0032	0.0068	3.2358
334	38.7	40.6	3.6717	-0.0023	-0.0029	3.6665	3.2464	0.0034	0.0104	3.2602
335	38.6	40.8	3.6689	-0.0021	-0.0032	3.6636	3.2692	0.0042	0.0111	3.2845
336	39.2	41	3.6658	-0.0021	-0.0031	3.6606	3.3044	0.0058	0.0077	3.3178
337	41.3	41.2	3.6609	-0.0023	-0.0033	3.6553	3.2992	0.0102	0.01	3.3194
338	42.5	41.4	3.6579	-0.0024	-0.0032	3.6523	3.3204	0.0103	0.0073	3.3379
339	41.6	41.6	3.6547	-0.0023	-0.0032	3.6492	3.3393	0.0141	0.0056	3.359
340	42.6	41.8	3.6516	-0.0021	-0.003	3.6464	3.357	0.0132	0.0042	3.3743
341	43.9	42	3.6484	-0.002	-0.0029	3.6435	3.38	0.0125	0.0065	3.3991
342	43.2	42.2	3.644	-0.002	-0.003	3.6389	3.4068	0.013	0.0077	3.4275
343	42.7	42.3	3.6386	-0.0022	-0.0032	3.6332	3.4273	0.0147	0.0091	3.4511
344	43.4	42.5	3.634	-0.0024	-0.0033	3.6282	3.4406	0.0192	0.0081	3.4679
345	43.4	42.8	3.6307	-0.0023	-0.0035	3.6249	3.4685	0.0237	0.0042	3.4965
346	44.3	43.1	3.6271	-0.0022	-0.0037	3.6212	3.512	0.0283	0.0045	3.5448
347	43.4	43.2	3.6242	-0.0022	-0.0036	3.6184	3.5131	0.0296	0.004	3.5467
348	42.4	43.3	3.6217	-0.0025	-0.0035	3.6157	3.5338	0.029	0.0058	3.5687
349	43.3	43.4	3.618	-0.0027	-0.0032	3.6122	3.5617	0.0276	0.0046	3.5939
350	44.1	43.5	3.6143	-0.0026	-0.0031	3.6086	3.5906	0.0254	0.0048	3.6209
351	42.3	43.4	3.6109	-0.0027	-0.0029	3.6052	3.6028	0.022	0.007	3.6318
352	42.5	43.6	3.6069	-0.0029	-0.003	3.6011	3.612	0.0206	0.0088	3.6415
353	43.7	43.7	3.6033	-0.0029	-0.0032	3.5972	3.6299	0.0187	0.0087	3.6573
354	43.8	43.8	3.6001	-0.0027	-0.0034	3.594	3.6356	0.0156	0.0088	3.6599
355	43.8	43.9	3.5967	-0.0025	-0.0034	3.5908	3.6595	0.0102	0.0061	3.6758
356	44.4	44	3.5935	-0.0027	-0.0033	3.5876	3.6664	0.0135	0.0059	3.6858
357	44.3	44.1	3.5898	-0.0028	-0.0034	3.5836	3.6815	0.0143	0.0063	3.7022
358	43.8	44.3	3.5855	-0.0027	-0.0033	3.5795	3.6758	0.0096	0.0064	3.6918
359	43.6	44.4	3.5827	-0.0029	-0.0032	3.5766	3.6878	0.0065	0.009	3.7033
360	43	44.6	3.5798	-0.0032	-0.0033	3.5733	3.7049	0.0046	0.009	3.7185
361	45.8	44.8	3.5757	-0.0034	-0.0034	3.5689	3.7229	0.0053	0.0053	3.7335

362	45.6	45.1	3.5725	-0.0034	-0.0032	3.5659	3.7373	0.0087	0.0023	3.7483
363	44.3	45.2	3.5671	-0.0033	-0.0034	3.5604	3.7657	0.011	0.004	3.7807
364	46.3	45.4	3.5641	-0.0032	-0.0033	3.5576	3.766	0.0133	0.0039	3.7833
365	46	45.5	3.5607	-0.0031	-0.0032	3.5544	3.7698	0.0157	0.0055	3.791
366	45.5	45.7	3.5566	-0.003	-0.0031	3.5504	3.7837	0.0192	0.0087	3.8117
367	45.5	45.9	3.5531	-0.0031	-0.0031	3.5469	3.7977	0.0204	0.0089	3.827
368	45.9	46	3.5494	-0.003	-0.0032	3.5432	3.8086	0.0202	0.0113	3.8401
369	46.4	46.1	3.545	-0.0028	-0.0033	3.5389	3.8153	0.0195	0.012	3.8468
370	46.8	46.3	3.5416	-0.0028	-0.0034	3.5353	3.8572	0.0179	0.0055	3.8807
371	47.7	46.4	3.5389	-0.0029	-0.0035	3.5325	3.8822	0.0129	0.0015	3.8966
372	46.7	46.7	3.5367	-0.0029	-0.0037	3.5302	3.9063	0.0109	0.002	3.9192
373	46.5	46.9	3.5346	-0.0029	-0.0034	3.5283	3.9137	0.0102	-0.0012	3.9227
374	47	46.9	3.5289	-0.003	-0.0032	3.5227	3.9236	0.0105	-0.001	3.933
375	48.3	46.9	3.5247	-0.0034	-0.003	3.5183	3.9539	0.0114	0.0002	3.9655
376	47.4	46.9	3.5231	-0.0036	-0.0032	3.5163	3.9582	0.0108	-0.0005	3.9685
377	46.5	46.9	3.5199	-0.0038	-0.0032	3.5129	3.9736	0.0075	0.0022	3.9833
378	44.9	47	3.5181	-0.0037	-0.0032	3.5111	3.9963	0.0036	0.0072	4.0071
379	46.5	47	3.5149	-0.0036	-0.0033	3.5081	4.0334	0.0002	0.0087	4.0423
380	48.6	47.1	3.5111	-0.0032	-0.0033	3.5047	4.0555	-0.0002	0.0109	4.0662
381	49.6	47	3.5069	-0.0027	-0.0032	3.5009	4.076	-0.0002	0.0128	4.0886
382	49	47	3.5019	-0.0026	-0.0034	3.496	4.088	0.0034	0.0148	4.1062
383	46.4	47.1	3.4971	-0.0025	-0.0036	3.491	4.0916	0.0099	0.0123	4.1139
384	46.3	47.2	3.4924	-0.0025	-0.0038	3.4861	4.1025	0.0139	0.006	4.1224
385	44.9	47.2	3.4864	-0.0025	-0.0036	3.4803	4.1119	0.0151	0.0027	4.1298
386	46.5	47.2	3.4833	-0.0025	-0.0034	3.4774	4.1406	0.0178	-0.0016	4.1567
387	46.2	47.2	3.478	-0.0023	-0.0032	3.4725	4.1693	0.0171	0.0007	4.187
388	47.5	47.5	3.4741	-0.0025	-0.003	3.4686	4.1734	0.0155	0.0003	4.1892
389	47.7	47.7	3.4694	-0.0027	-0.0029	3.4638	4.1918	0.0157	0.0014	4.209
390	46.8	47.8	3.4648	-0.0028	-0.0031	3.459	4.2081	0.0166	0.0038	4.2286
391	46.7	47.8	3.4603	-0.0029	-0.0032	3.4542	4.2237	0.0196	0.0061	4.2493
392	47.9	47.9	3.4561	-0.003	-0.0033	3.4498	4.2312	0.0229	0.007	4.261
393	49	48.1	3.4526	-0.0033	-0.0033	3.4459	4.2265	0.0229	0.0074	4.2568
394	49.1	48.4	3.4479	-0.0035	-0.0032	3.4412	4.2216	0.0199	0.0079	4.2494
395	46.5	48.8	3.4422	-0.0037	-0.0033	3.4352	4.2209	0.017	0.0077	4.2455
396	47.4	49.1	3.4397	-0.0036	-0.0032	3.4329	4.2482	0.0163	0.0066	4.2711
397	50.1	49.4	3.4354	-0.0036	-0.0033	3.4285	4.2473	0.0178	0.0018	4.2668
398	49.8	49.7	3.4309	-0.0036	-0.0032	3.4241	4.2663	0.0194	0.0005	4.2863

399	50.2	50.1	3.4255	-0.0037	-0.0033	3.4186	4.2893	0.0192	0.0016	4.3101
400	50.3	50.5	3.4214	-0.0038	-0.0035	3.4142	4.2998	0.0184	0.0047	4.3228
401	50.1	50.8	3.4177	-0.0038	-0.0035	3.4104	4.3194	0.0167	0.005	4.3411
402	50.6	51.1	3.4131	-0.0038	-0.0036	3.4057	4.3353	0.0137	0.0079	4.3569
403	52.3	51.5	3.4088	-0.0039	-0.004	3.4009	4.3357	0.012	0.0083	4.3561
404	52.4	51.7	3.4041	-0.0037	-0.0039	3.3965	4.3488	0.0122	0.0059	4.3668
405	51.6	52.2	3.3991	-0.0039	-0.004	3.3912	4.3681	0.0155	0.0046	4.3882
406	52	52.5	3.3947	-0.0038	-0.0039	3.3871	4.3854	0.0178	0.0052	4.4084
407	54	52.7	3.3912	-0.0036	-0.0039	3.3837	4.4067	0.0174	0.0074	4.4315
408	55	53	3.3873	-0.0035	-0.0039	3.3799	4.4215	0.0179	0.0088	4.4482
409	54.1	53.2	3.3827	-0.0035	-0.0037	3.3755	4.4281	0.0172	0.0102	4.4554
410	52.9	53.4	3.3777	-0.0036	-0.0034	3.3707	4.4489	0.0116	0.0121	4.4726
411	54.4	53.6	3.3729	-0.0038	-0.0032	3.3658	4.4663	0.0064	0.0105	4.4832
412	55.9	53.9	3.3672	-0.0039	-0.0036	3.3597	4.4771	0.0037	0.0084	4.4891
413	53.7	54.2	3.3641	-0.0039	-0.0036	3.3566	4.5081	0.0028	0.0107	4.5216
414	54.7	54.4	3.36	-0.0039	-0.0037	3.3524	4.5146	0.003	0.0071	4.5247
415	53.9	54.7	3.3547	-0.0041	-0.0041	3.3465	4.5327	0.0056	0.0069	4.5452
416	54.3	55	3.3499	-0.0042	-0.0041	3.3416	4.5549	0.0074	0.0077	4.57
417	53.8	55.2	3.3459	-0.0039	-0.0041	3.3379	4.5568	0.008	0.0074	4.5723
418	53.9	55.3	3.3414	-0.0037	-0.004	3.3338	4.5772	0.0094	0.0065	4.5931
419	54.7	55.4	3.3358	-0.0034	-0.0036	3.3288	4.6128	0.0119	0.0048	4.6295
420	55	55.7	3.3299	-0.0031	-0.0034	3.3234	4.6287	0.0133	0.0033	4.6453
421	56.1	55.9	3.3247	-0.003	-0.0035	3.3182	4.6406	0.0142	0.004	4.6588
422	57.8	56	3.3201	-0.0029	-0.0035	3.3137	4.6844	0.0151	0.0028	4.7024
423	56.8	56.2	3.3152	-0.003	-0.0034	3.3088	4.7205	0.0161	-0.0026	4.734
424	56.8	56.3	3.3089	-0.0032	-0.0033	3.3024	4.7626	0.0178	-0.0008	4.7797
425	56.6	56.5	3.3058	-0.0033	-0.0032	3.2993	4.757	0.0184	0.0044	4.7799
426	57.5	56.8	3.3011	-0.0033	-0.0034	3.2944	4.7766	0.0183	0.0061	4.801
427	57.9	57	3.2961	-0.0034	-0.0036	3.2891	4.8091	0.0172	0.0035	4.8299
428	56.8	57.2	3.2904	-0.0034	-0.0036	3.2835	4.8235	0.0157	0.0038	4.8429
429	56.8	57.5	3.2853	-0.0036	-0.0036	3.2781	4.8683	0.0147	0.003	4.8861
430	58.4	57.7	3.28	-0.0038	-0.0039	3.2724	4.8936	0.016	0.001	4.9106
431	58.2	57.8	3.2746	-0.0039	-0.004	3.2667	4.9042	0.0214	-0.0001	4.9255
432	57	57.9	3.27	-0.004	-0.0039	3.2621	4.9329	0.0251	-0.0007	4.9573
433	57.9	58.2	3.2661	-0.0039	-0.0035	3.2587	4.9155	0.0239	0.0005	4.9399
434	56.7	58.5	3.2605	-0.0038	-0.0032	3.2535	4.924	0.0209	0.0015	4.9464
435	59.6	58.9	3.2548	-0.0039	-0.003	3.2479	4.938	0.0173	-0.0026	4.9527

436	59	59	3.2489	-0.0038	-0.0032	3.2419	4.9287	0.0161	-0.0009	4.944
437	57.6	59.2	3.2435	-0.0039	-0.0033	3.2364	4.9609	0.016	-0.0013	4.9755
438	59.4	59.6	3.2387	-0.004	-0.0034	3.2314	4.9661	0.0171	0.0004	4.9836
439	59.6	60.1	3.2339	-0.004	-0.0036	3.2263	4.9848	0.0147	0.0067	5.0062
440	57.8	60.4	3.2292	-0.0041	-0.0036	3.2215	4.9992	0.0157	0.0119	5.0268
441	59.3	60.8	3.2253	-0.0042	-0.0036	3.2174	5.014	0.0185	0.0111	5.0436
442	62.6	61.1	3.2213	-0.0043	-0.0038	3.2133	5.0252	0.019	0.0069	5.0512
443	62.4	61.3	3.2164	-0.0042	-0.004	3.2083	5.0383	0.0158	0.0042	5.0582
444	64.5	61.6	3.2119	-0.0041	-0.0041	3.2037	5.0594	0.0126	0.0025	5.0746
445	59.5	61.8	3.2059	-0.0039	-0.0042	3.1978	5.0811	0.0125	0.0039	5.0976
446	61.8	61.9	3.2024	-0.004	-0.0039	3.1946	5.0835	0.0092	0.0078	5.1005
447	65.1	62.3	3.1976	-0.0042	-0.0036	3.1898	5.1298	0.0108	0.009	5.1496
448	64.8	62.4	3.1927	-0.0044	-0.0037	3.1847	5.1434	0.0103	0.0081	5.1619
449	65.4	62.6	3.188	-0.0045	-0.0036	3.1799	5.1623	0.0088	0.0095	5.1806
450	64.9	63	3.1823	-0.0043	-0.0036	3.1745	5.1806	0.0083	0.0077	5.1966
451	63.1	63.3	3.1773	-0.0041	-0.0037	3.1695	5.2066	0.0089	0.0048	5.2202
452	62.1	63.4	3.1734	-0.0041	-0.0038	3.1655	5.2259	0.0096	0.0024	5.2379
453	62.3	63.5	3.1685	-0.0041	-0.0038	3.1606	5.2417	0.011	-0.0002	5.2525
454	63.1	63.6	3.1633	-0.0042	-0.0039	3.1552	5.2746	0.0114	-0.0043	5.2817
455	61.2	63.9	3.1581	-0.0043	-0.0039	3.1499	5.3	0.0147	-0.0061	5.3086
456	64.9	64.2	3.1528	-0.0044	-0.004	3.1444	5.3305	0.0104	-0.0068	5.3341
457	61.6	64.2	3.1476	-0.0046	-0.0043	3.1388	5.3461	0.0096	-0.0047	5.351
458	63.3	64.3	3.1427	-0.0045	-0.0043	3.1339	5.3759	0.0096	-0.0021	5.3835
459	65.1	64.3	3.1378	-0.0041	-0.0044	3.1293	5.4063	0.0107	0.001	5.418
460	64.6	64.3	3.1332	-0.0039	-0.0044	3.125	5.4213	0.0093	0.0044	5.4351
461	64.1	64.4	3.128	-0.0038	-0.0042	3.12	5.4303	0.0069	0.0092	5.4465
462	66.1	64.4	3.1217	-0.0037	-0.0043	3.1138	5.4394	0.0043	0.0108	5.4545
463	66.1	64.5	3.1156	-0.0036	-0.0041	3.1079	5.4395	0.004	0.0028	5.4463
464	65.3	64.6	3.1109	-0.0038	-0.004	3.1031	5.4851	0.0033	-0.0004	5.488
465	66.9	65	3.1052	-0.0039	-0.0039	3.0974	5.5227	0.0007	-0.0031	5.5203
466	65.4	65.1	3.1009	-0.0038	-0.0038	3.0932	5.5229	-0.0031	-0.0085	5.5112
467	65.4	65.4	3.0954	-0.004	-0.0038	3.0876	5.5408	-0.0021	-0.0058	5.5329
468	65.9	65.6	3.0881	-0.0042	-0.0037	3.0803	5.5584	0.0035	-0.0062	5.5557
469	64.5	65.8	3.0822	-0.0041	-0.0037	3.0744	5.5846	0.0081	-0.0035	5.5892
470	65.4	66	3.0775	-0.0042	-0.0038	3.0695	5.5836	0.011	-0.0005	5.5941
471	62.4	66.3	3.0705	-0.0044	-0.0037	3.0623	5.5844	0.0136	0.0007	5.5986
472	64.8	66.4	3.0647	-0.0045	-0.0034	3.0568	5.6035	0.0137	-0.0007	5.6165

473	64.9	66.5	3.0583	-0.0047	-0.0033	3.0503	5.6197	0.016	-0.0027	5.6329
474	68.1	66.7	3.0532	-0.0049	-0.0036	3.0447	5.6193	0.0168	-0.0009	5.6352
475	66.5	67	3.047	-0.0052	-0.0036	3.0382	5.5983	0.0168	0.0019	5.617
476	67.2	67.2	3.0422	-0.0054	-0.0036	3.0333	5.629	0.016	0.0037	5.6488
477	67.4	67.6	3.0375	-0.0053	-0.0036	3.0286	5.653	0.0153	0.0037	5.672
478	68.6	67.9	3.0312	-0.0052	-0.0035	3.0225	5.6942	0.013	0.0023	5.7095
479	69.6	68.4	3.0255	-0.0052	-0.0034	3.017	5.7188	0.0115	0.0034	5.7337
480	68.4	68.8	3.0207	-0.0053	-0.0032	3.0121	5.7323	0.0092	0.0028	5.7442
481	68.5	69.3	3.0136	-0.0052	-0.0032	3.0052	5.7421	0.0072	-0.0004	5.7489
482	68.4	69.7	3.0104	-0.005	-0.0034	3.002	5.7593	0.0047	-0.0035	5.7605
483	68.4	70.1	3.0047	-0.0046	-0.0038	2.9963	5.8093	0.004	-0.0005	5.8129
484	72.4	70.4	2.9986	-0.0042	-0.0035	2.9909	5.8377	0.0069	0.004	5.8487
485	70.6	70.9	2.9935	-0.0041	-0.0035	2.9859	5.8501	0.005	0.0068	5.8619
486	72.4	71.2	2.9872	-0.0041	-0.0033	2.9798	5.8724	0.0061	-0.0001	5.8783
487	72.2	71.7	2.9814	-0.004	-0.0033	2.9741	5.8741	0.005	-0.0018	5.8773
488	72.4	72	2.9756	-0.004	-0.0036	2.968	5.8909	0.0051	-0.0001	5.8959
489	72.9	72.2	2.9694	-0.0042	-0.0041	2.9611	5.9365	0.0035	-0.0015	5.9385
490	73.1	72.6	2.9634	-0.0047	-0.0042	2.9546	5.9542	0.0016	-0.0045	5.9513
491	72.7	73	2.9578	-0.0048	-0.0039	2.9491	5.9864	0	-0.0043	5.9821
492	71.9	73.3	2.9523	-0.0046	-0.0038	2.944	6.0205	-0.001	-0.0021	6.0174
493	74.5	73.6	2.9466	-0.0045	-0.0036	2.9385	6.0487	0.0001	-0.0022	6.0466
494	74.7	73.9	2.9398	-0.0048	-0.0036	2.9314	6.0844	0.0033	-0.0059	6.0818
495	74.4	74.4	2.9339	-0.0046	-0.0041	2.9252	6.1117	0.0043	-0.0087	6.1073
496	75.8	74.5	2.9267	-0.0047	-0.0041	2.918	6.1248	0.0071	-0.007	6.1248
497	74.5	74.7	2.921	-0.0046	-0.0041	2.9123	6.1689	0.01	-0.0056	6.1733
498	74.1	74.8	2.9146	-0.0045	-0.0041	2.906	6.1942	0.0111	-0.0052	6.2
499	75.5	74.9	2.9075	-0.0045	-0.0041	2.8989	6.2126	0.0098	-0.0041	6.2183
500	76	75.1	2.9008	-0.0046	-0.0039	2.8922	6.2521	0.009	-0.0084	6.2527
501	74	75.4	2.8952	-0.0048	-0.0037	2.8867	6.2685	0.0111	-0.0088	6.2708
502	74.3	75.8	2.8889	-0.0049	-0.0036	2.8804	6.2802	0.0135	-0.0064	6.2874
503	78.2	75.9	2.8813	-0.005	-0.0036	2.8727	6.312	0.0152	-0.0054	6.3218
504	79.5	76	2.8741	-0.0052	-0.0033	2.8656	6.3332	0.0166	-0.0049	6.3449
505	75.6	76.2	2.866	-0.0049	-0.0033	2.8578	6.3325	0.0158	-0.0013	6.347
506	76.1	76.2	2.8601	-0.0047	-0.0034	2.852	6.3719	0.0147	0.0013	6.3879
507	74.3	76.5	2.8536	-0.0045	-0.0037	2.8453	6.3874	0.0128	0.0031	6.4032
508	73.3	76.7	2.8467	-0.0046	-0.004	2.8381	6.4317	0.0075	0.0014	6.4406
509	77.2	77	2.8406	-0.0044	-0.0041	2.832	6.4473	0.0085	-0.0045	6.4513

510	79.5	77.3	2.8346	-0.0043	-0.0043	2.8261	6.4827	0.012	-0.0112	6.4836
511	78	77.7	2.8289	-0.0042	-0.0043	2.8204	6.5226	0.0139	-0.0126	6.5238
512	77.2	78	2.8232	-0.0043	-0.0039	2.8151	6.5413	0.0163	-0.0108	6.5467
513	77.3	77.9	2.8156	-0.0042	-0.0036	2.8078	6.5582	0.0192	-0.0111	6.5662
514	77.3	77.8	2.8077	-0.004	-0.0034	2.8004	6.5904	0.0193	-0.0112	6.5986
515	76.4	78.2	2.8024	-0.0038	-0.0032	2.7954	6.6133	0.016	-0.014	6.6153
516	80.3	78.6	2.7958	-0.004	-0.0035	2.7883	6.6452	0.0148	-0.0156	6.6443
517	78.1	79.1	2.7901	-0.0043	-0.0035	2.7823	6.7048	0.0171	-0.0114	6.7105
518	81.2	79.5	2.783	-0.0045	-0.0037	2.7749	6.7162	0.0108	-0.0106	6.7164
519	81	79.8	2.7775	-0.0045	-0.0036	2.7694	6.7206	0.0015	-0.0106	6.7116
520	80.6	80	2.7715	-0.0044	-0.0035	2.7636	6.729	0.0008	-0.0133	6.7165
521	80.2	80.2	2.7643	-0.0043	-0.0034	2.7565	6.7741	0.0028	-0.0125	6.7643
522	76.5	80.6	2.7581	-0.0045	-0.0032	2.7504	6.7718	0.0056	-0.0099	6.7675
523	79.1	80.9	2.7533	-0.0047	-0.0033	2.7453	6.7933	0.0066	-0.006	6.794
524	83.1	81.2	2.749	-0.0049	-0.0035	2.7407	6.8162	0.0051	-0.0045	6.8168
525	82.9	81.8	2.7429	-0.0049	-0.0036	2.7345	6.8418	0.0033	-0.0062	6.8389
526	84	81.9	2.7358	-0.0048	-0.0037	2.7272	6.848	0.0008	-0.004	6.8449
527	81.4	82.4	2.7267	-0.0047	-0.0039	2.7181	6.8857	0.0011	-0.0032	6.8836
528	82	82.6	2.7186	-0.0045	-0.0039	2.7101	6.93	0.0004	-0.004	6.9265
529	82.6	82.9	2.712	-0.0045	-0.0039	2.7036	6.9544	0.0011	-0.0029	6.9526
530	81.8	83.1	2.7058	-0.0045	-0.0038	2.6975	6.9965	0.0032	0.0004	7.0001
531	85.3	83.4	2.6987	-0.0044	-0.0036	2.6906	7.0162	0.002	0.0025	7.0207
532	83.2	84	2.6891	-0.0044	-0.0038	2.6809	7.0208	0.0026	0.0017	7.0251
533	83.4	84.5	2.6823	-0.0046	-0.0039	2.6738	7.0647	0.0046	-0.0022	7.0671
534	86.6	84.7	2.6755	-0.0043	-0.0039	2.6673	7.0933	0.0081	-0.0021	7.0992
535	82.4	85.1	2.6676	-0.0045	-0.003	2.6601	7.1097	0.0124	0.0031	7.1252
536	87.6	85.4	2.6615	-0.0043	-0.003	2.6542	7.1343	0.0169	0.004	7.1552
537	86.2	85.8	2.6545	-0.0044	-0.0033	2.6468	7.1588	0.0195	0.0062	7.1846
538	85.6	86.6	2.6451	-0.0043	-0.0032	2.6376	7.1833	0.0215	0.0059	7.2107
539	85.4	87.2	2.6385	-0.0042	-0.0031	2.6312	7.2028	0.0237	0.0016	7.2281
540	85.2	88	2.6306	-0.0041	-0.0032	2.6233	7.2327	0.0235	-0.0029	7.2533
541	87.6	88.4	2.6232	-0.0041	-0.0034	2.6157	7.2531	0.0224	-0.0039	7.2716
542	89.6	88.9	2.6164	-0.0043	-0.0036	2.6086	7.2854	0.021	-0.0051	7.3013
543	86.6	89.4	2.608	-0.0045	-0.0034	2.6001	7.3116	0.0189	-0.0018	7.3287
544	89.4	89.8	2.6007	-0.0045	-0.0032	2.593	7.3263	0.0194	0.0016	7.3472
545	91.2	90.1	2.5934	-0.0046	-0.0035	2.5853	7.3402	0.0156	0.0011	7.3569
546	89	90.3	2.5855	-0.005	-0.0033	2.5772	7.3557	0.0148	-0.0023	7.3683

547	95.9	90.5	2.5782	-0.0053	-0.0031	2.5698	7.3644	0.0113	-0.0001	7.3756
548	95.6	90.8	2.5715	-0.0054	-0.0033	2.5629	7.4196	0.0107	-0.0053	7.425
549	95.4	91.1	2.5628	-0.0054	-0.0028	2.5546	7.4497	0.0133	-0.0282	7.4347
550	93.2	91.5	2.5555	-0.0054	-0.0027	2.5474	7.4594	0.015	-0.044	7.4304
551	92.5	91.9	2.5493	-0.0055	-0.0031	2.5408	7.4891	0.0143	-0.0421	7.4612
552	93.9	92.2	2.5422	-0.0056	-0.0033	2.5333	7.5219	0.0118	-0.0384	7.4953
553	93.2	92.7	2.5352	-0.0057	-0.0033	2.5261	7.5355	0.0084	-0.0378	7.5061
554	89.2	93.1	2.53	-0.0058	-0.0038	2.5205	7.5424	0.0058	-0.0405	7.5077
555	90.3	93.4	2.521	-0.0058	-0.004	2.5111	7.537	0.0052	-0.037	7.5052
556	91.4	93.7	2.5141	-0.0057	-0.0043	2.5041	7.5501	0.0061	-0.0388	7.5174
557	90.3	93.9	2.5044	-0.0053	-0.0044	2.4947	7.561	0.0077	-0.0415	7.5272
558	90.5	94	2.4979	-0.0053	-0.0039	2.4888	7.5793	0.0103	-0.0458	7.5438
559	93.7	94.1	2.4896	-0.0053	-0.0033	2.481	7.5879	0.011	-0.0471	7.5517
560	95	94.8	2.4809	-0.0052	-0.0031	2.4726	7.5996	0.0127	-0.0459	7.5664
561	94.9	95.2	2.4739	-0.0054	-0.0031	2.4653	7.6198	0.0154	-0.0477	7.5874
562	96.3	95.6	2.4659	-0.0056	-0.0032	2.4571	7.6397	0.0155	-0.0492	7.606
563	97.9	95.9	2.4566	-0.0055	-0.003	2.448	7.657	0.0127	-0.0454	7.6242
564	96.6	96.5	2.4495	-0.0054	-0.0026	2.4416	7.667	0.0124	-0.0436	7.6359
565	94.3	97.1	2.4407	-0.0054	-0.0024	2.433	7.6603	0.0137	-0.0417	7.6323
566	99.3	97.7	2.4304	-0.0055	-0.0027	2.4221	7.6847	0.012	-0.04	7.6567
567	97.7	98.1	2.4237	-0.0051	-0.0027	2.416	7.7129	0.012	-0.04	7.685
568	98.3	98.7	2.416	-0.0043	-0.0026	2.4091	7.7243	0.0103	-0.04	7.6946
569	105	99	2.4093	-0.0042	-0.0023	2.4027	7.7357	0.0105	-0.0402	7.706
570	101	99.6	2.4001	-0.0045	-0.0025	2.393	7.7753	0.0116	-0.0366	7.7503
571	101	100	2.3933	-0.005	-0.0028	2.3855	7.7943	0.0151	-0.035	7.7745
572	99.9	101	2.3853	-0.0052	-0.0028	2.3774	7.7974	0.0197	-0.0353	7.7817
573	100	101	2.3767	-0.0052	-0.0029	2.3686	7.8232	0.0198	-0.0341	7.8089
574	102	102	2.3691	-0.0052	-0.003	2.3608	7.8498	0.0187	-0.0383	7.8301
575	102	102	2.3622	-0.0053	-0.0032	2.3537	7.8993	0.02	-0.0418	7.8775
576	98	103	2.3537	-0.0055	-0.0033	2.3449	7.9319	0.018	-0.0418	7.9081
577	103	104	2.3445	-0.0054	-0.0032	2.3359	7.9283	0.016	-0.0407	7.9036
578	98.3	104	2.3358	-0.0053	-0.0032	2.3273	7.9295	0.0157	-0.044	7.9012
579	107	104	2.3259	-0.0055	-0.0034	2.317	7.9202	0.0145	-0.0409	7.8938
580	105	105	2.3191	-0.0055	-0.0035	2.3101	7.9303	0.0146	-0.0402	7.9047
581	106	105	2.3115	-0.0055	-0.0033	2.3027	7.9564	0.0158	-0.0391	7.9331
582	107	106	2.3039	-0.0054	-0.0032	2.2953	7.9673	0.017	-0.036	7.9483
583	108	106	2.2954	-0.0054	-0.0036	2.2864	7.9422	0.0173	-0.0382	7.9213

584	109	107	2.2877	-0.0055	-0.0038	2.2784	7.9472	0.0168	-0.0402	7.9237
585	110	108	2.2801	-0.0058	-0.0039	2.2704	7.9539	0.0181	-0.0367	7.9353
586	108	109	2.2713	-0.0061	-0.0039	2.2614	7.9673	0.0173	-0.0254	7.9591
587	107	109	2.2631	-0.0062	-0.0039	2.2531	7.9737	0.0207	-0.0279	7.9665
588	108	110	2.2553	-0.0064	-0.0038	2.2452	7.9783	0.0171	-0.0333	7.962
589	110	110	2.2462	-0.0066	-0.0038	2.2358	8.8036	0.0196	-0.9361	7.887
590	111	111	2.2381	-0.0069	-0.0038	2.2274	9.2152	0.0191	-1.2589	7.9754
591	110	111	2.2293	-0.0069	-0.0034	2.219	9.4223	0.019	-1.4138	8.0276
592	110	112	2.2211	-0.0065	-0.0036	2.2111	9.5153	0.0186	-1.5133	8.0205
593	116	113	2.214	-0.0065	-0.0038	2.2037	9.5399	0.0163	-1.5576	7.9985
594	114	113	2.2058	-0.0064	-0.0037	2.1957	9.5157	0.0126	-1.5462	7.9821
595	114	114	2.1983	-0.0061	-0.0038	2.1884	9.4885	0.0112	-1.4955	8.0041
596	114	114	2.1903	-0.0058	-0.0041	2.1804	9.4591	0.0096	-1.4461	8.0226
597	114	115	2.1791	-0.0057	-0.0036	2.1698	9.4306	0.008	-1.4207	8.0179
598	114	115	2.1697	-0.0058	-0.0013	2.1626	9.365	0.0045	-1.3285	8.041
599	116	116	2.1615	-0.006	0.0003	2.1559	9.4001	0.0044	-1.3472	8.0572
600	117	116	2.1519	-0.0061	0.0003	2.1461	9.3024	0.007	-1.257	8.0524
601	117	117	2.143	-0.0059	0.0001	2.1371	9.3755	0.0079	-1.3094	8.074
602	118	117	2.1354	-0.0058	0.0002	2.1298	9.4744	0.0075	-1.3888	8.0931
603	119	117	2.1271	-0.0056	0.0005	2.1219	9.5025	0.0069	-1.43	8.0794
604	120	118	2.1204	-0.0057	0.0004	2.1151	9.4553	0.0098	-1.3822	8.083
605	118	118	2.111	-0.0055	0.0006	2.1061	9.4026	0.0126	-1.3037	8.1116
606	117	119	2.104	-0.0055	0.0008	2.0993	9.311	0.0126	-1.2247	8.099
607	120	120	2.0956	-0.0056	0.0009	2.0909	9.2246	0.0149	-1.1289	8.1106
608	120	120	2.0879	-0.0057	0.0007	2.083	9.1801	0.017	-1.1236	8.0736
609	119	120	2.0806	-0.0057	0.0005	2.0754	9.2083	0.019	-1.115	8.1124
610	122	121	2.0726	-0.0058	0.0005	2.0673	9.2288	0.02	-1.1266	8.1222
611	121	121	2.065	-0.0058	0.0006	2.0598	9.1863	0.0169	-1.1058	8.0975
612	117	121	2.0575	-0.0056	0.0007	2.0526	9.1882	0.0167	-1.102	8.103
613	122	121	2.0489	-0.0055	0.0008	2.0442	9.1964	0.022	-1.1016	8.1168
614	124	122	2.0417	-0.0053	0.0008	2.0372	9.1776	0.0301	-1.0957	8.1121
615	127	122	2.034	-0.005	0.0008	2.0297	9.1755	0.0384	-1.0883	8.1256
616	123	122	2.0245	-0.0052	0.0005	2.0198	9.1641	0.041	-1.0842	8.1209
617	123	123	2.0176	-0.0053	0.0005	2.0128	9.1421	0.0373	-1.089	8.0904
618	123	123	2.0094	-0.0055	0.0004	2.0043	9.1488	0.0394	-1.0935	8.0947
619	123	123	2	-0.0057	0.0001	1.9944	9.1498	0.0451	-1.0936	8.1013
620	122	123	1.9921	-0.0059	0	1.9861	9.1917	0.046	-1.1038	8.1339

621	121	123	1.9846	-0.0063	0.0001	1.9784	9.2509	0.0377	-1.2292	8.0594
622	121	123	1.9758	-0.0065	0.0002	1.9695	9.2488	0.0287	-1.2061	8.0713
623	126	123	1.9683	-0.0066	0.0005	1.9623	9.217	0.0238	-1.2007	8.0401
624	126	123	1.9591	-0.0069	0.0007	1.9529	9.1761	0.0216	-1.1734	8.0244
625	123	122	1.9498	-0.0067	0.0006	1.9437	9.1567	0.021	-1.1452	8.0325
626	124	122	1.943	-0.0064	0.0003	1.9369	9.1756	0.0212	-1.1614	8.0354
627	123	122	1.9337	-0.0062	0.0005	1.928	9.1862	0.0194	-1.1914	8.0142
628	122	122	1.9265	-0.006	0.0002	1.9207	9.2161	0.0191	-1.2202	8.015
629	121	122	1.919	-0.006	0.0001	1.9132	9.291	0.0203	-1.2868	8.0244
630	119	122	1.9102	-0.006	0.0001	1.9042	9.2738	0.0197	-1.3505	7.943
631	119	122	1.902	-0.0061	0	1.8958	9.2168	0.017	-1.2963	7.9374
632	122	122	1.8949	-0.0062	0	1.8887	9.3239	0.0133	-1.4098	7.9274
633	122	122	1.8876	-0.0062	0.0001	1.8814	9.2237	0.0113	-1.2911	7.9439
634	122	121	1.8801	-0.0061	-0.0002	1.8738	9.0892	0.0118	-1.195	7.906
635	117	121	1.8709	-0.0062	-0.0005	1.8642	8.9601	0.012	-1.0895	7.8826
636	121	121	1.8641	-0.0064	-0.0002	1.8575	8.9085	0.0131	-1.0449	7.8767
637	121	121	1.8566	-0.0061	0.0001	1.8506	8.8906	0.0139	-1.0414	7.8631
638	123	121	1.7647	-0.0063	0.0904	1.8489	8.895	0.0138	-1.0592	7.8497
639	125	121	1.717	-0.0061	0.1228	1.8336	8.9156	0.0137	-1.0876	7.8417
640	121	121	1.6883	-0.006	0.1382	1.8205	8.8929	0.0131	-1.0688	7.8372
641	118	121	1.6717	-0.006	0.1479	1.8136	8.8397	0.01	-1.0835	7.7662
642	120	121	1.6624	-0.0059	0.1522	1.8088	8.7886	0.01	-1.0425	7.7562
643	122	121	1.6564	-0.0058	0.1513	1.8019	8.7668	0.0127	-1.027	7.7525
644	122	121	1.6519	-0.0056	0.1463	1.7925	8.76	0.0151	-1.0335	7.7416
645	124	122	1.6475	-0.0056	0.1411	1.7831	8.747	0.0175	-1.0438	7.7206
646	122	122	1.6424	-0.0058	0.1388	1.7754	8.7329	0.02	-1.0472	7.7057
647	122	122	1.6417	-0.0057	0.1297	1.7657	8.7226	0.0245	-1.0479	7.6993
648	121	122	1.6315	-0.0058	0.1315	1.7571	8.6912	0.0277	-1.0455	7.6734
649	120	122	1.6326	-0.0061	0.1229	1.7494	8.6647	0.0253	-1.0246	7.6654
650	120	122	1.618	-0.0062	0.1282	1.74	8.6378	0.0205	-0.9934	7.6649
651	122	122	1.6019	-0.0062	0.1358	1.7315	8.58	0.0154	-1.001	7.5944
652	122	122	1.5919	-0.0063	0.1397	1.7254	8.5437	0.0166	-0.9975	7.5628
653	124	122	1.5896	-0.0067	0.1349	1.7178	8.5239	0.0168	-1.0017	7.5391
654	124	122	1.5898	-0.0071	0.1266	1.7093	8.5385	0.0186	-1.0439	7.5132
655	124	122	1.5899	-0.007	0.1184	1.7012	8.5932	0.0198	-1.1021	7.5109
656	123	122	1.5916	-0.0072	0.1086	1.693	8.6405	0.0218	-1.1807	7.4816
657	118	122	1.5864	-0.007	0.108	1.6874	8.6502	0.0205	-1.2023	7.4685

658	121	122	1.5771	-0.0072	0.1076	1.6776	8.5636	0.0204	-1.1463	7.4377
659	125	123	1.5667	-0.0073	0.1094	1.6687	8.4985	0.0214	-1.1153	7.4046
660	124	123	1.5623	-0.0069	0.1075	1.6628	8.4767	0.0216	-1.1088	7.3894
661	123	123	1.5551	-0.0071	0.107	1.655	8.4021	0.0235	-1.0268	7.3988
662	123	123	1.5463	-0.0078	0.107	1.6455	8.3119	0.0281	-0.9836	7.3564
663	125	123	1.5388	-0.0086	0.1066	1.6368	8.2612	0.0321	-0.9603	7.333
664	124	123	1.532	-0.0092	0.1062	1.629	8.2292	0.0301	-0.9678	7.2915
665	123	123	1.5243	-0.0095	0.1061	1.6209	8.2527	0.032	-1.009	7.2757
666	121	123	1.5162	-0.0093	0.1062	1.6131	8.258	0.0359	-1.0388	7.255
667	121	123	1.5089	-0.009	0.1067	1.6065	8.2526	0.0357	-1.0861	7.2022
668	124	124	1.5011	-0.0088	0.1068	1.599	8.24	0.0366	-1.0973	7.1793
669	126	123	1.4901	-0.0088	0.1081	1.5893	8.1579	0.0349	-1.044	7.1489
670	123	123	1.475	-0.0083	0.1204	1.5871	8.055	0.0332	-0.9851	7.1031
671	123	124	1.4684	-0.0078	0.1179	1.5784	8.0045	0.0293	-0.9783	7.0555
672	124	124	1.4636	-0.0076	0.1173	1.5734	8.0133	0.0237	-0.9788	7.0581
673	124	123	1.4591	-0.0074	0.1145	1.5662	8.0854	0.0173	-1.1225	6.9802
674	123	123	1.4534	-0.0073	0.1115	1.5576	8.0008	0.0122	-1.0652	6.9478
675	122	123	1.4447	-0.0074	0.1129	1.5502	7.9134	0.0103	-1.0183	6.9054
676	124	123	1.435	-0.0074	0.1159	1.5435	7.8454	0.0111	-0.9987	6.8579
677	125	123	1.4229	-0.0073	0.1188	1.5344	7.8064	0.0132	-0.9842	6.8354
678	123	123	1.4067	-0.0073	0.1255	1.5248	7.7706	0.016	-0.9925	6.794
679	124	123	1.3985	-0.0075	0.1317	1.5227	7.7837	0.019	-1.0367	6.7661
680	125	123	1.3974	-0.0072	0.1261	1.5163	7.7848	0.0197	-1.0726	6.7319
681	125	123	1.3791	-0.0068	0.1376	1.51	7.7568	0.02	-1.0898	6.687
682	122	122	1.3815	-0.0065	0.1259	1.5009	7.6893	0.0213	-1.0494	6.6613
683	123	122	1.3865	-0.0066	0.1159	1.4958	7.6315	0.0225	-1.0231	6.6309
684	121	122	1.3916	-0.0067	0.1051	1.4901	7.5566	0.0235	-0.9809	6.5992
685	119	121	1.3892	-0.0071	0.1006	1.4827	7.5367	0.0248	-0.9876	6.5739
686	119	121	1.3823	-0.0074	0.1002	1.475	7.4894	0.0253	-0.9881	6.5266
687	120	120	1.3736	-0.0076	0.1021	1.4681	7.4568	0.0249	-0.9872	6.4945
688	121	120	1.3638	-0.0077	0.105	1.461	7.4208	0.0286	-0.9866	6.4628
689	123	120	1.3569	-0.0079	0.1031	1.4521	6.5447	0.0267	-0.0836	6.4879
690	123	119	1.3542	-0.0079	0.1046	1.4508	6.1097	0.026	0.2464	6.3821
691	116	119	1.3504	-0.0079	0.1008	1.4433	5.8675	0.0243	0.4072	6.299
692	120	118	1.3445	-0.0077	0.0991	1.4358	5.7445	0.0276	0.498	6.2701
693	118	117	1.338	-0.008	0.0996	1.4296	5.679	0.0266	0.5377	6.2433
694	115	117	1.3311	-0.0081	0.1007	1.4237	5.7027	0.0243	0.4973	6.2243

695	115	116	1.325	-0.0081	0.1009	1.4178	5.7404	0.0219	0.3996	6.1619
696	116	116	1.318	-0.0083	0.1007	1.4105	5.7719	0.0222	0.3142	6.1082
697	115	116	1.3099	-0.0085	0.101	1.4025	5.7023	0.0224	0.3384	6.0632
698	116	115	1.3032	-0.0083	0.1012	1.396	5.6814	0.0258	0.2973	6.0046
699	114	114	1.2977	-0.008	0.0997	1.3894	5.613	0.0247	0.3277	5.9654
700	117	114	1.2939	-0.0076	0.1004	1.3867	5.6759	0.021	0.2348	5.9317
701	113	113	1.2886	-0.0076	0.0999	1.3808	5.5703	0.0208	0.2808	5.8719
702	110	113	1.283	-0.0074	0.1003	1.3759	5.4424	0.0218	0.3569	5.8211
703	112	112	1.2732	-0.0075	0.1049	1.3706	5.3865	0.0205	0.4108	5.8178
704	112	112	1.2611	-0.0077	0.1106	1.364	5.4378	0.0179	0.3036	5.7593
705	112	111	1.247	-0.0077	0.1187	1.3579	5.5191	0.0153	0.1668	5.7012
706	112	110	1.239	-0.0076	0.121	1.3525	5.6123	0.0137	0.0547	5.6808
707	109	110	1.2393	-0.0076	0.1155	1.3472	5.6413	0.0109	-0.0168	5.6353
708	109	109	1.2381	-0.0078	0.1122	1.3425	5.5573	0.0118	0.0352	5.6042
709	111	109	1.2329	-0.0079	0.1114	1.3365	5.4708	0.011	0.0519	5.5338
710	108	108	1.2324	-0.0081	0.1032	1.3275	5.3957	0.0119	0.0714	5.479
711	108	107	1.2338	-0.0086	0.099	1.3241	5.3732	0.0173	0.0583	5.4488
712	107	107	1.2314	-0.0088	0.0967	1.3193	5.3224	0.0178	0.0498	5.3901
713	107	106	1.226	-0.0085	0.0976	1.3151	5.2291	0.012	0.0814	5.3225
714	104	106	1.2164	-0.0085	0.1017	1.3096	5.196	0.0046	0.0651	5.2657
715	105	105	1.2082	-0.0086	0.1047	1.3042	5.1294	-0.0012	0.083	5.2112
716	104	104	1.1992	-0.0088	0.1091	1.2996	5.1376	-0.0054	0.0366	5.1688
717	103	103	1.1936	-0.0089	0.1102	1.2949	5.0476	-0.008	0.0668	5.1064
718	103	103	1.1936	-0.009	0.1048	1.2894	4.9919	-0.0061	0.0841	5.0699
719	101	102	1.1945	-0.009	0.0986	1.2841	4.9385	-0.0042	0.0902	5.0245
720	102	101	1.1916	-0.0089	0.0978	1.2806	4.9189	-0.0012	0.0579	4.9756
721	101	101	1.1832	-0.0087	0.098	1.2725	4.8359	0.0045	0.134	4.9744
722	100	100	1.1673	-0.0082	0.1124	1.2715	4.7451	0.01	0.144	4.8991
723	99.9	99.2	1.1683	-0.0078	0.1071	1.2675	4.6615	0.0168	0.2041	4.8825
724	98.8	98.3	1.1678	-0.0079	0.1025	1.2624	4.6413	0.0192	0.1784	4.8389
725	97.6	97.6	1.1652	-0.0078	0.1005	1.2579	4.5862	0.0188	0.173	4.778
726	95.6	96.8	1.1623	-0.0078	0.0988	1.2533	4.5194	0.0167	0.1922	4.7283
727	94.7	96	1.1567	-0.0078	0.0998	1.2486	4.4426	0.0138	0.2226	4.679
728	95.6	95.3	1.1482	-0.0079	0.1039	1.2441	4.3551	0.0122	0.2399	4.6071
729	96	94.6	1.1405	-0.0079	0.1074	1.24	4.2127	0.0099	0.3124	4.535
730	96.5	93.9	1.1345	-0.008	0.1091	1.2355	4.1524	0.009	0.3718	4.5333
731	96	93.1	1.133	-0.0082	0.1049	1.2297	4.1566	0.0127	0.3148	4.484

732	90.2	92.3	1.1317	-0.0084	0.1023	1.2256	3.9831	0.0162	0.4331	4.4325
733	87.8	91.6	1.1319	-0.0086	0.0982	1.2215	4.0193	0.0182	0.3208	4.3583
734	90.5	91	1.1264	-0.0086	0.0986	1.2164	4.0948	0.017	0.2227	4.3345
735	89.7	90.4	1.1219	-0.0088	0.0984	1.2115	4.1911	0.0151	0.1059	4.3121
736	88.4	89.9	1.1184	-0.0089	0.0985	1.2081	4.2024	0.009	0.0286	4.24
737	88.3	89.4	1.1146	-0.009	0.0987	1.2043	4.1734	0.0055	0.0023	4.1812
738	88.7	88.7	1.1103	-0.0089	0.0987	1.2001	4.1056	0.0073	0.0122	4.1251
739	88.1	88	1.106	-0.0087	0.0981	1.1954	4.0092	0.004	0.0569	4.0702
740	86.3	87.2	1.1016	-0.0084	0.0974	1.1906	3.9476	0.0016	0.0472	3.9964
741	85	86.5	1.0973	-0.0088	0.0981	1.1866	3.9222	0.0033	0.0755	4.001
742	86.5	86.1	1.0945	-0.0086	0.0984	1.1844	3.887	0.0043	0.0508	3.9422
743	86.9	85.7	1.0861	-0.0082	0.1015	1.1795	3.8535	0.0051	0.0242	3.8827
744	86.6	85.2	1.0778	-0.0078	0.1064	1.1764	3.82	0.0046	0.0257	3.8503
745	86.8	84.7	1.0703	-0.0078	0.1097	1.1722	3.753	0.0079	0.0424	3.8034
746	85.2	84.1	1.0722	-0.008	0.1049	1.1691	3.7396	0.0097	0.0033	3.7527
747	82.4	83.6	1.0735	-0.0083	0.1	1.1652	3.7551	0.0091	-0.0719	3.6923
748	81.6	83.1	1.0702	-0.0083	0.0987	1.1606	3.7204	0.0046	-0.108	3.617
749	81.9	82.5	1.065	-0.0082	0.0994	1.1562	3.686	0.0019	-0.1335	3.5544
750	82.1	81.9	1.0609	-0.0083	0.1001	1.1528	4.6893	-0.1964	-0.49	4.0029
751	82.3	81.4	1.0576	-0.0084	0.1001	1.1494	6.1387	-0.3341	-0.8432	4.9613
752	81.7	80.9	1.0533	-0.0083	0.0987	1.1436	6.113	0.0118	-0.5868	5.5379
753	81	80.4	1.0458	-0.0085	0.1045	1.1418	5.9813	0.0115	-0.5086	5.4841
754	78.9	79.9	1.0379	-0.0086	0.1099	1.1392	5.9061	0.0104	-0.4668	5.4496
755	78.3	79.2	1.0286	-0.0084	0.113	1.1332	5.7946	0.0114	-0.4067	5.3993
756	78	78.6	1.0275	-0.0083	0.1103	1.1295	5.6488	0.0161	-0.3146	5.3504
757	79.2	78.1	1.0307	-0.0082	0.1044	1.1269	5.564	0.0211	-0.2834	5.3017
758	76.9	77.5	1.03	-0.0083	0.1025	1.1242	5.567	0.0202	-0.3347	5.2525
759	75	76.9	1.0271	-0.0085	0.1022	1.1208	5.569	0.0173	-0.3755	5.2108
760	75.8	76.4	1.025	-0.0087	0.1017	1.1179	5.5401	0.0194	-0.403	5.1565
761	76.4	75.8	1.0228	-0.0088	0.1021	1.116	5.5234	0.0165	-0.4734	5.0665
762	78.4	75.2	1.0233	-0.009	0.0989	1.1132	5.5377	0.0112	-0.5172	5.0317
763	76.7	74.5	1.0192	-0.009	0.1001	1.1103	5.5001	0.0061	-0.519	4.9872
764	73	73.8	1.0191	-0.0091	0.0979	1.1079	5.4545	0.0095	-0.5128	4.9511
765	72.9	73.2	1.0105	-0.0089	0.1024	1.104	5.377	0.0125	-0.4814	4.9081
766	73.1	72.5	1.0114	-0.0085	0.0995	1.1025	5.3051	0.0169	-0.4535	4.8685
767	70.9	71.7	1.0097	-0.0084	0.0982	1.0995	5.214	0.0205	-0.4016	4.8329
768	71.3	71	1.0072	-0.0084	0.0977	1.0966	5.1662	0.0236	-0.3933	4.7965

769	72.1	70.4	0.9982	-0.0087	0.1023	1.0918	5.1944	0.025	-0.4426	4.7768
770	70.9	69.6	0.9914	-0.0087	0.107	1.0897	5.1903	0.0244	-0.4971	4.7176
771	68.9	68.7	0.9939	-0.0088	0.1035	1.0885	5.2037	0.0214	-0.5458	4.6792
772	67.9	67.6	0.9975	-0.0092	0.0969	1.0851	5.1446	0.0202	-0.5657	4.5992
773	67.2	66.7	0.9949	-0.0093	0.0966	1.0823	5.0246	0.0203	-0.4585	4.5864
774	65.2	65.9	0.9948	-0.0092	0.0942	1.0798	5.0763	0.0207	-0.5509	4.5462
775	65.3	65.1	0.9927	-0.0091	0.0937	1.0773	5.073	0.019	-0.5932	4.4987
776	63.5	64.3	0.9908	-0.0088	0.0936	1.0756	5.0016	0.0221	-0.5643	4.4594
777	64.9	63.6	0.9874	-0.0085	0.0948	1.0737	4.926	0.0239	-0.5313	4.4186
778	62.4	62.7	0.9854	-0.0083	0.0942	1.0713	4.861	0.0255	-0.5025	4.384
779	60.9	61.8	0.9833	-0.0084	0.0945	1.0693	4.7856	0.0232	-0.4741	4.3347
780	59.4	60.9	0.9817	-0.0085	0.0947	1.0679	4.7143	0.025	-0.4387	4.3006
781	58.6	60.1	0.9808	-0.0084	0.0943	1.0667	4.6604	0.0275	-0.4473	4.2406
782	58.2	59.3	0.9796	-0.0084	0.0938	1.065	4.6633	0.0281	-0.5152	4.1762
783	58	58.5	0.977	-0.0083	0.0937	1.0624	4.6633	0.0257	-0.5449	4.1441
784	58.3	57.7	0.9725	-0.0082	0.0945	1.0589	4.6529	0.0205	-0.5661	4.1074
785	58.3	56.9	0.969	-0.008	0.0977	1.0587	4.5849	0.0152	-0.5334	4.0668
786	57	56.1	0.9649	-0.008	0.1	1.0569	4.5391	0.0084	-0.5224	4.0251
787	55	55.3	0.963	-0.0083	0.1008	1.0556	4.4964	0.0099	-0.5097	3.9965
788	54.6	54.5	0.9629	-0.0081	0.0993	1.054	4.4941	0.0056	-0.5419	3.9578
789	54.4	53.8	0.9621	-0.0081	0.0984	1.0524	4.4583	0.007	-0.5394	3.9259
790	53	53.2	0.9619	-0.0082	0.097	1.0507	4.4164	0.0109	-0.5365	3.8908
791	51.8	52.5	0.9617	-0.0083	0.0957	1.0491	4.3754	0.0141	-0.5396	3.85
792	52.3	51.8	0.9591	-0.0082	0.0967	1.0476	4.3277	0.0173	-0.5274	3.8177
793	51	51.1	0.956	-0.0085	0.097	1.0446	4.2952	0.0319	-0.5197	3.8074
794	49.4	50.3	0.9558	-0.0089	0.0964	1.0433	4.2026	0.039	-0.4765	3.7651
795	48.6	49.5	0.951	-0.0091	0.1006	1.0425	4.1415	0.0343	-0.4444	3.7315
796	49.4	48.8	0.9425	-0.0092	0.1079	1.0412	4.0562	0.0276	-0.3938	3.69
797	48.4	48.2	0.9379	-0.0089	0.1118	1.0408	4.0657	0.0207	-0.4283	3.6581
798	46.9	47.5	0.9346	-0.0085	0.1145	1.0406	4.0769	0.016	-0.4766	3.6163
799	46.9	46.7	0.8288	0.0116	0.1487	0.9891	4.0432	0.0156	-0.4916	3.5672
800	46.8	46	0.68	0.0258	0.1847	0.8905	4.0056	0.0152	-0.498	3.5227
801	43.8	45.3	0.6773	-0.0088	0.1585	0.8271	4.0027	0.0153	-0.5341	3.4839
802	44.5	44.6	0.6849	-0.0086	0.1512	0.8275	4.0902	0.0143	-0.6382	3.4664
803	43.3	43.8	0.6826	-0.0085	0.1516	0.8257	4.1314	0.0195	-0.7522	3.3987
804	43	43	0.6816	-0.0088	0.1513	0.8241	4.0573	0.0188	-0.6991	3.3771
805	43.9	42.3	0.6821	-0.0093	0.1501	0.8229	3.9581	0.0151	-0.6271	3.3462

806	43.5	41.5	0.6826	-0.0097	0.1493	0.8223	3.8286	0.0139	-0.556	3.2865
807	41.3	40.6	0.6826	-0.0096	0.149	0.8219	3.7624	0.0145	-0.5247	3.2522
808	39.6	39.9	0.6812	-0.0095	0.1498	0.8214	3.7448	0.0165	-0.5348	3.2266
809	39.9	39	0.6789	-0.0098	0.1517	0.8208	3.704	0.0185	-0.5194	3.203
810	38.9	38.2	0.6801	-0.0098	0.1505	0.8208	3.6464	0.0181	-0.48	3.1845
811	38.2	37.5	0.68	-0.0097	0.1507	0.821	3.6293	0.0163	-0.4889	3.1567
812	36.4	36.8	0.6814	-0.0094	0.1486	0.8206	3.563	0.0145	-0.4345	3.143
813	34.6	36	0.6805	-0.0094	0.1489	0.82	3.5748	0.013	-0.4642	3.1237
814	34	35.3	0.6787	-0.0098	0.1498	0.8188	3.5346	0.0089	-0.4462	3.0973
815	33.7	34.4	0.6777	-0.0103	0.15	0.8174	3.5553	0.0082	-0.4897	3.0738
816	32.8	33.5	0.6778	-0.0108	0.1493	0.8163	3.4743	0.0159	-0.4483	3.0419
817	32.6	32.7	0.677	-0.0113	0.1496	0.8153	3.4712	0.0241	-0.461	3.0343
818	31	32.1	0.6742	-0.0115	0.149	0.8117	3.4568	0.0223	-0.4769	3.0021
819	31.2	31.3	0.6754	-0.0114	0.1483	0.8123	3.4157	0.0196	-0.4622	2.973
820	30.2	30.6	0.6712	-0.011	0.1524	0.8126	3.3413	0.014	-0.4277	2.9276
821	30.2	29.9	0.6688	-0.0107	0.1545	0.8126	3.28	0.0116	-0.3869	2.9047
822	29.2	29.2	0.6648	-0.0103	0.1583	0.8128	3.3312	0.0079	-0.4469	2.8922
823	28.7	28.6	0.6606	-0.0099	0.1621	0.8129	3.3796	0.0021	-0.5283	2.8534
824	27.8	28	0.6605	-0.0098	0.1618	0.8125	3.3266	0.0068	-0.5029	2.8304
825	26.1	27.4	0.6651	-0.01	0.1569	0.8119	3.3157	0.009	-0.5162	2.8084
826	27	26.9	0.6697	-0.0101	0.1519	0.8115	3.3009	0.0115	-0.5217	2.7908
827	26.4	26.4	0.6706	-0.0104	0.15	0.8102	3.2876	0.018	-0.5216	2.784
828	25.4	25.9	0.6696	-0.0102	0.1513	0.8107	3.2607	0.0233	-0.5105	2.7734
829	25.3	25.4	0.6691	-0.0104	0.1512	0.8099	3.246	0.0272	-0.5151	2.758
830	24.7	24.9	0.6685	-0.0108	0.1538	0.8115	3.2216	0.0312	-0.5064	2.7464
831	23.7	24.4	0.6667	-0.011	0.1564	0.8121	3.2282	0.0251	-0.5247	2.7287
832	23	24	0.6654	-0.011	0.1568	0.8112	3.2536	0.0221	-0.5547	2.7211
833	23.1	23.5	0.6666	-0.0107	0.1548	0.8108	3.2678	0.0188	-0.5993	2.6872
834	22.7	23.1	0.6679	-0.0101	0.1519	0.8097	3.2386	0.0206	-0.6027	2.6565
835	22.4	22.8	0.668	-0.0096	0.1506	0.809	3.1979	0.0237	-0.5959	2.6257
836	22.7	22.4	0.6688	-0.0099	0.1495	0.8084	3.1554	0.0256	-0.5546	2.6264
837	21.7	22	0.6651	-0.0095	0.1529	0.8085	3.0743	0.025	-0.4897	2.6096
838	21.7	21.7	0.6644	-0.0096	0.1527	0.8075	3.0578	0.0213	-0.4783	2.6007
839	21.4	21.4	0.6643	-0.0098	0.1518	0.8063	3.0495	0.0213	-0.4863	2.5846
840	20.9	21	0.664	-0.0098	0.1514	0.8056	3.0593	0.0227	-0.5122	2.5699
841	20.7	20.7	0.6645	-0.0105	0.1508	0.8048	3.0778	0.0234	-0.5449	2.5562
842	20.2	20.5	0.665	-0.0118	0.1504	0.8037	3.0393	0.0254	-0.5198	2.5449

843	20.5	20.3	0.6658	-0.0121	0.1492	0.8029	3.0132	0.0289	-0.5053	2.5368
844	19.7	20.1	0.6637	-0.0113	0.1508	0.8032	2.9791	0.0269	-0.4974	2.5086
845	19.6	19.9	0.6647	-0.0106	0.1491	0.8032	3.0009	0.0204	-0.5294	2.4919
846	19.6	19.6	0.6656	-0.0101	0.1477	0.8033	2.9765	0.016	-0.515	2.4775
847	19	19.4	0.6658	-0.0099	0.1477	0.8036	2.8491	0.0142	-0.4009	2.4624
848	18.4	19.2	0.6659	-0.0098	0.1479	0.8039	2.7969	0.0167	-0.3586	2.455
849	18.5	19	0.6644	-0.0097	0.1492	0.8039	2.7644	0.0199	-0.3291	2.4552
850	17.8	18.8	0.6607	-0.0098	0.1535	0.8044	1.7071	0.216	0.0172	1.9403
851	19.3	18.7	0.6486	-0.0098	0.1639	0.8027	0.2209	0.3556	0.3787	0.9552
852	19.1	18.6	0.6401	-0.0103	0.1739	0.8037	0.1976	0.0096	0.1147	0.3219
853	18.9	18.4	0.6401	-0.0104	0.1744	0.8041	0.2773	0.01	0.0382	0.3255
854	18.6	18.2	0.642	-0.0101	0.1726	0.8046	0.2601	0.011	0.0318	0.3029
855	17.6	18.1	0.6458	-0.0098	0.1686	0.8045	0.2768	0.0087	0.004	0.2895
856	17.2	17.9	0.6513	-0.0097	0.1627	0.8043	0.2685	0.0022	0.0088	0.2795
857	17.6	17.8	0.6562	-0.0099	0.1579	0.8043	0.263	0.0035	0.0109	0.2775
858	17.9	17.7	0.6596	-0.0102	0.1544	0.8039	0.2504	0.0088	0.0198	0.2791
859	17.5	17.7	0.6625	-0.0103	0.1502	0.8024	0.2385	0.0133	0.0307	0.2824
860	17.9	17.7	0.662	-0.0103	0.1505	0.8023	0.2241	0.0157	0.0471	0.287
861	17.9	17.6	0.6665	-0.0103	0.1455	0.8017	0.2346	0.0254	0.0372	0.2973
862	17.1	17.5	0.6659	-0.0103	0.1453	0.8008	0.2255	0.0371	0.0426	0.3052
863	16.8	17.4	0.6657	-0.0099	0.1447	0.8005	0.2255	0.041	0.0261	0.2926
864	16.9	17.3	0.6635	-0.0099	0.1469	0.8005	0.2224	0.0387	0.0315	0.2926
865	17	17.3	0.6631	-0.0105	0.1472	0.7998	0.2079	0.0323	0.0469	0.2871
866	16.7	17.3	0.6643	-0.0109	0.1456	0.799	0.1935	0.023	0.0549	0.2714
867	16.7	17.3	0.664	-0.0106	0.1459	0.7993	0.1908	0.0146	0.0538	0.2593
868	17.6	17.2	0.6657	-0.0104	0.144	0.7993	0.1791	0.0029	0.0606	0.2426
869	17.3	17.2	0.6641	-0.0101	0.145	0.799	0.1704	-0.0032	0.0373	0.2046
870	17.4	17.1	0.6634	-0.0099	0.1457	0.7992	0.1973	-0.0058	0.0217	0.2132
871	17.2	17	0.6608	-0.0096	0.1482	0.7993	0.1724	-0.0054	0.0557	0.2227
872	17.5	17	0.6595	-0.0094	0.1497	0.7998	0.1692	-0.0059	0.0635	0.2267
873	17.3	17	0.6623	-0.01	0.1469	0.7993	0.1334	-0.006	0.0975	0.2248
874	17	16.9	0.6632	-0.0101	0.1458	0.7989	0.1052	-0.0037	0.122	0.2235
875	17.1	16.9	0.6626	-0.0102	0.1459	0.7983	0.112	-0.0041	0.106	0.2139
876	17.3	16.9	0.662	-0.0106	0.1458	0.7972	0.1702	-0.0081	0.0262	0.1883
877	17	16.9	0.6613	-0.0108	0.1459	0.7964	0.213	-0.0047	-0.0241	0.1842
878	16.7	16.8	0.6608	-0.011	0.1457	0.7955	0.1859	-0.0066	-0.0058	0.1735
879	16.4	16.7	0.6611	-0.0115	0.1451	0.7947	0.1438	-0.0063	0.0433	0.1808

880	16.2	16.7	0.6589	-0.011	0.1471	0.7951	0.1234	-0.0088	0.0584	0.1729
881	16.4	16.7	0.6555	-0.0107	0.1498	0.7946	0.1249	-0.012	0.077	0.1899
882	16.6	16.6	0.6528	-0.0102	0.1537	0.7963	0.1229	-0.0142	0.0953	0.204
883	16.6	16.5	0.6531	-0.0103	0.1539	0.7967	0.102	-0.0132	0.1105	0.1993
884	16.5	16.5	0.6527	-0.0105	0.1541	0.7963	0.1521	-0.0115	0.0543	0.1949
885	16.4	16.5	0.6534	-0.0106	0.1532	0.7961	0.1217	-0.0062	0.0704	0.1858
886	16.3	16.4	0.6575	-0.0105	0.149	0.796	0.1082	0.0015	0.071	0.1806
887	16.2	16.4	0.6573	-0.0104	0.1487	0.7955	0.116	0.0054	0.0566	0.178
888	16.3	16.4	0.6579	-0.0103	0.1479	0.7955	0.0791	0.0115	0.0884	0.179
889	16.5	16.4	0.6562	-0.0103	0.1496	0.7954	0.0696	0.0099	0.087	0.1666
890	16.4	16.4	0.6542	-0.0106	0.1515	0.7951	0.063	0.006	0.0855	0.1545
891	16.3	16.3	0.6578	-0.0109	0.1477	0.7946	0.0611	0.0009	0.0874	0.1493
892	16.4	16.3	0.6578	-0.0111	0.1472	0.7939	0.0731	-0.0088	0.0782	0.1425
893	16.6	16.2	0.6581	-0.0111	0.1468	0.7937	0.0799	-0.0231	0.0651	0.1219
894	16.4	16.2	0.6557	-0.0109	0.1493	0.7941	0.1053	-0.0247	0.025	0.1056
895	16.2	16.1	0.6534	-0.0107	0.1521	0.7948	0.1098	-0.0147	0.0176	0.1128
896	16.6	16.1	0.6576	-0.0106	0.148	0.795	0.1514	-0.0092	-0.037	0.1052
897	15.7	16.1	0.6582	-0.0106	0.1476	0.7953	0.1598	-0.0043	-0.0481	0.1075
898	16.4	16.1	0.6582	-0.0105	0.1475	0.7951	0.1478	-0.0002	-0.0268	0.1208
899	16.1	16.1	0.6581	-0.01	0.147	0.7951	0.1158	0.0045	0.0113	0.1317
900	15.9	16	0.6579	-0.0097	0.1468	0.795	0.0659	0.008	0.0586	0.1325
901	15.8	15.9	0.6575	-0.0097	0.1471	0.7949	0.0138	0.0053	0.115	0.1341
902	15.3	15.9	0.6571	-0.0096	0.1474	0.7949	-0.0985	0.0028	0.2136	0.1179
903	15.3	15.8	0.6566	-0.0096	0.1484	0.7954	-0.1682	-0.0017	0.3031	0.1332
904	15.9	15.7	0.6539	-0.0097	0.1509	0.7951	-0.1762	-0.0029	0.3123	0.1332
905	16	15.6	0.6552	-0.0095	0.1492	0.7949	-0.1661	0.0069	0.3043	0.145
906	16.1	15.6	0.6563	-0.01	0.1482	0.7945	-0.1337	0.0115	0.2726	0.1504
907	16	15.6	0.6575	-0.0105	0.147	0.794	-0.082	0.0105	0.2241	0.1526
908	15.8	15.5	0.6573	-0.0109	0.1467	0.7932	-0.0377	0.0078	0.1889	0.159
909	15.2	15.4	0.6565	-0.0114	0.147	0.7921	-0.0017	0.0082	0.1605	0.167
910	15	15.3	0.6566	-0.0123	0.1468	0.7911	0.0424	0.0113	0.1141	0.1678
911	15.6	15.3	0.6575	-0.0134	0.1464	0.7905	0.0513	0.0103	0.1089	0.1706
912	14.9	15.2	0.6589	-0.0135	0.146	0.7914	0.1014	0.0052	0.0587	0.1653
913	15.1	15.2	0.6583	-0.0133	0.1457	0.7907	0.0929	-0.0002	0.0655	0.1582
914	14.7	15.1	0.6579	-0.013	0.1452	0.7901	0.0869	0.0001	0.064	0.151
915	15.4	15	0.6583	-0.0126	0.1445	0.7902	0.0455	0.0007	0.102	0.1481
916	15.3	14.9	0.6588	-0.0123	0.1439	0.7904	0.0536	-0.0058	0.0865	0.1344

917	14.7	14.9	0.6591	-0.0116	0.1435	0.791	0.0685	-0.0106	0.0635	0.1214
918	14.3	14.8	0.6571	-0.0112	0.1453	0.7912	0.0519	-0.0083	0.0763	0.1199
919	14.6	14.7	0.6557	-0.0108	0.1461	0.791	0.0561	-0.0071	0.0693	0.1183
920	14.8	14.7	0.654	-0.0105	0.1468	0.7904	0.0469	-0.0067	0.0769	0.1171
921	14.7	14.7	0.6519	-0.0101	0.1482	0.79	0.0598	-0.0039	0.0627	0.1186
922	14.8	14.7	0.6515	-0.0097	0.1485	0.7903	0.0183	0	0.0998	0.1181
923	14.6	14.6	0.6501	-0.0095	0.1499	0.7906	-0.0123	0.0065	0.1315	0.1257
924	14.4	14.6	0.6493	-0.0094	0.1512	0.7911	0.0132	0.0058	0.1061	0.1252
925	14	14.5	0.648	-0.0092	0.1543	0.7931	0.0274	0.0059	0.0976	0.1309
926	14.6	14.5	0.6484	-0.0097	0.1543	0.7931	0.0299	0.0059	0.0938	0.1296
927	14.3	14.4	0.652	-0.0097	0.1506	0.7929	0.0331	0.003	0.0857	0.1218
928	14.4	14.4	0.6552	-0.0096	0.1469	0.7926	0.0311	-0.0001	0.0865	0.1174
929	14.5	14.4	0.6568	-0.0095	0.1454	0.7926	0.0248	-0.0045	0.0946	0.1149
930	14.7	14.4	0.656	-0.0096	0.1461	0.7925	0.0321	-0.0121	0.0895	0.1095
931	14.7	14.4	0.6544	-0.0096	0.1469	0.7917	0.0107	-0.0076	0.1125	0.1156
932	13.7	14.4	0.6552	-0.0097	0.1457	0.7913	-0.0271	-0.0027	0.1419	0.1122
933	14.2	14.4	0.6514	-0.0095	0.1494	0.7913	-0.0572	-0.0009	0.1746	0.1165
934	14	14.4	0.6557	-0.0095	0.1449	0.7911	-0.0568	-0.0024	0.1732	0.114
935	14.6	14.4	0.6572	-0.0098	0.1435	0.7909	-0.0651	-0.0045	0.1802	0.1106
936	14.5	14.3	0.6572	-0.0104	0.1438	0.7906	-0.0441	-0.0066	0.1579	0.1072
937	14.3	14.3	0.6572	-0.0107	0.1441	0.7906	0.0195	-0.0084	0.0884	0.0996
938	14.6	14.3	0.6575	-0.0106	0.144	0.7908	0.0067	-0.0064	0.0919	0.0922
939	14.4	14.3	0.658	-0.0104	0.1432	0.7909	0.0133	-0.0058	0.0854	0.0929
940	14	14.3	0.6579	-0.0099	0.1427	0.7907	-0.0102	-0.0073	0.1058	0.0883
941	14.2	14.3	0.6572	-0.0096	0.143	0.7906	-0.0477	-0.0115	0.1378	0.0785
942	14.5	14.3	0.657	-0.0094	0.1439	0.7915	-0.0352	-0.0147	0.1241	0.0742
943	14.6	14.3	0.6553	-0.0096	0.1467	0.7924	-0.0459	-0.018	0.1333	0.0694
944	14.3	14.3	0.6527	-0.0098	0.149	0.7919	-0.0327	-0.0199	0.1201	0.0675
945	14	14.3	0.6496	-0.0096	0.1528	0.7927	-0.0458	-0.0181	0.1358	0.0718
946	14.1	14.3	0.6497	-0.0097	0.1526	0.7926	-0.0744	-0.0141	0.1699	0.0815
947	13.9	14.3	0.6511	-0.0099	0.1503	0.7915	-0.0397	-0.0137	0.1394	0.0861
948	14.1	14.3	0.6543	-0.0103	0.1467	0.7907	-0.0427	-0.012	0.1436	0.0889
949	14.5	14.3	0.6578	-0.0105	0.1434	0.7907	-0.0425	-0.0113	0.1435	0.0897
950	14.6	14.3	0.6593	-0.0103	0.142	0.791	-0.0475	-0.0052	0.1512	0.0986
951	14.6	14.3	0.6585	-0.0101	0.1426	0.7909	-0.0388	-0.0025	0.1395	0.0983
952	14.7	14.3	0.6569	-0.0101	0.1436	0.7904	-0.041	-0.0017	0.1386	0.096
953	13.8	14.3	0.6577	-0.0101	0.1432	0.7908	-0.0475	0	0.1449	0.0973

954	13.9	14.3	0.6587	-0.0108	0.1422	0.7901	-0.0569	-0.0005	0.1612	0.1038
955	14.2	14.3	0.6591	-0.011	0.1413	0.7895	-0.0827	-0.0019	0.1872	0.1026
956	14.4	14.3	0.6595	-0.0108	0.1403	0.789	-0.0642	0	0.1653	0.101
957	14.3	14.3	0.66	-0.0106	0.139	0.7884	-0.0597	-0.0039	0.1604	0.0968
958	14.2	14.3	0.6598	-0.011	0.1383	0.7872	-0.0596	-0.0073	0.1618	0.095
959	14.1	14.3	0.6582	-0.0114	0.1388	0.7856	-0.0529	-0.0114	0.1568	0.0925
960	14.6	14.3	0.6569	-0.0113	0.1397	0.7852	-0.0257	-0.0182	0.1134	0.0695
961	14.9	14.3	0.6564	-0.0108	0.1396	0.7852	-0.0018	-0.0316	0.0738	0.0403
962	14.7	14.3	0.6566	-0.0103	0.1387	0.785	0.0019	-0.0442	0.0711	0.0288
963	14.7	14.3	0.657	-0.0099	0.1383	0.7854	0.0105	-0.0441	0.0631	0.0295
964	14	14.3	0.659	-0.01	0.1367	0.7857	0.0152	-0.0408	0.0322	0.0066
965	13.8	14.2	0.6577	-0.0099	0.1386	0.7864	0.0235	-0.0373	0.0131	-0.0007
966	13.6	14.2	0.6575	-0.0098	0.1393	0.7869	0.0091	-0.0329	0.0318	0.0081
967	14	14.2	0.6588	-0.0098	0.1383	0.7873	-0.0037	-0.0274	0.0506	0.0195
968	14.4	14.2	0.66	-0.0097	0.137	0.7874	-0.0298	-0.0194	0.0875	0.0383
969	14.5	14.1	0.6594	-0.0094	0.1373	0.7873	-0.0594	-0.0148	0.1215	0.0473
970	14.5	14.1	0.6575	-0.0095	0.1394	0.7873	-0.0758	-0.0113	0.1395	0.0523
971	14.3	14	0.6589	-0.0096	0.1382	0.7875	-0.1111	-0.0075	0.1794	0.0607
972	13.9	14	0.6608	-0.0101	0.1365	0.7872	-0.1489	-0.0031	0.2086	0.0566
973	14.2	14	0.661	-0.0105	0.1363	0.7868	-0.1503	0.0014	0.206	0.0572
974	13.7	13.9	0.6605	-0.0107	0.1361	0.7858	-0.1605	0.0025	0.2202	0.0622
975	13.8	13.9	0.6596	-0.0108	0.1365	0.7853	-0.1691	0.0026	0.2371	0.0706
976	13.9	13.9	0.6587	-0.0109	0.1372	0.785	-0.1845	0.004	0.2722	0.0918
977	13.8	13.9	0.6582	-0.0108	0.1372	0.7846	-0.1799	0.0004	0.275	0.0955
978	13.7	13.9	0.6583	-0.0106	0.1363	0.784	-0.1482	0.0007	0.2493	0.1017
979	13.6	13.8	0.6579	-0.0103	0.1362	0.7838	-0.1184	0.0048	0.2141	0.1005
980	13.9	13.8	0.6578	-0.0102	0.1359	0.7835	-0.1064	0.0079	0.2061	0.1077
981	14.1	13.8	0.6582	-0.0104	0.1356	0.7834	-0.1117	0.0087	0.2116	0.1086
982	13.9	13.7	0.6585	-0.0101	0.1363	0.7847	-0.1241	0.0099	0.2108	0.0966
983	13.3	13.7	0.6588	-0.0101	0.1366	0.7853	-0.1199	0.0094	0.2039	0.0933
984	13.2	13.7	0.6593	-0.0101	0.1361	0.7852	-0.1654	0.0115	0.2549	0.101
985	13.7	13.7	0.6579	-0.0099	0.1374	0.7853	-0.119	0.0143	0.2117	0.1069
986	14.2	13.7	0.6555	-0.0097	0.1401	0.786	-0.0876	0.0121	0.1825	0.1069
987	13.8	13.7	0.6566	-0.0098	0.1395	0.7863	-0.0847	0.0031	0.1829	0.1013
988	13.7	13.7	0.6566	-0.0097	0.1394	0.7862	-0.0956	0.0022	0.2021	0.1087
989	13.5	13.7	0.6572	-0.0096	0.139	0.7866	-0.1	0.0034	0.2118	0.1152
990	13.6	13.7	0.6589	-0.0094	0.1377	0.7872	-0.1121	0.0117	0.22	0.1196

991	13.8	13.7	0.6613	-0.0094	0.1353	0.7872	-0.12	0.0186	0.2221	0.1208
992	13.9	13.6	0.6624	-0.0093	0.1339	0.7869	-0.127	0.0223	0.2306	0.126
993	13.6	13.6	0.6613	-0.0091	0.1348	0.787	-0.1283	0.025	0.2446	0.1414
994	13.3	13.7	0.6603	-0.0091	0.1358	0.7869	-0.1446	0.0233	0.2722	0.1509
995	13.4	13.7	0.6608	-0.0093	0.1351	0.7866	-0.1781	0.0186	0.298	0.1385
996	13.8	13.7	0.6616	-0.0092	0.134	0.7864	-0.2234	0.0122	0.3452	0.134
997	13.8	13.7	0.6625	-0.0094	0.1333	0.7864	-0.2242	0.0146	0.3502	0.1407
998	13.3	13.7	0.6624	-0.0094	0.1331	0.7861	-0.2164	0.0162	0.3316	0.1314
999	13.9	13.7	0.6628	-0.0095	0.1318	0.7852	-0.1882	0.0137	0.3021	0.1276
1000	14	13.7	0.6618	-0.0095	0.1329	0.7852	-0.1508	0.0139	0.2684	0.1316
1001	13.5	13.7	0.6616	-0.0096	0.1332	0.7853	-0.1342	0.0186	0.2504	0.1348
1002	13.5	13.8	0.6619	-0.0096	0.1329	0.7852	-0.1486	0.0226	0.258	0.1319
1003	13.9	13.8	0.6623	-0.0096	0.1323	0.785	-0.1781	0.0234	0.2799	0.1252
1004	14.3	13.8	0.6622	-0.0095	0.1322	0.7849	-0.1626	0.02	0.272	0.1295
1005	14.6	13.8	0.6616	-0.0095	0.1327	0.7848	-0.1516	0.0131	0.2666	0.1282
1006	13.7	13.8	0.6623	-0.0096	0.1322	0.7849	-0.14	0.0121	0.2534	0.1256
1007	12.9	13.8	0.6635	-0.0098	0.1308	0.7845	-0.1278	0.0139	0.2286	0.1146
1008	13.8	13.9	0.6626	-0.0097	0.131	0.7839	-0.1123	0.0176	0.1984	0.1037
1009	14	13.9	0.6591	-0.0095	0.1356	0.7852	-0.1203	0.0176	0.2027	0.1
1010	14	13.8	0.6568	-0.0092	0.1394	0.787	-0.1534	0.0123	0.2369	0.0957
1011	14.1	13.8	0.6573	-0.009	0.1393	0.7876	-0.1639	0.0104	0.2482	0.0947
1012	13.9	13.9	0.6578	-0.0091	0.1397	0.7884	-0.1666	0.0188	0.2499	0.102
1013	13.6	13.9	0.6568	-0.0092	0.1425	0.79	-0.1458	0.0242	0.2218	0.1002
1014	14.2	13.8	0.6556	-0.0093	0.1438	0.7901	-0.1167	0.0228	0.1965	0.1026
1015	13.4	13.8	0.6574	-0.0093	0.1413	0.7894	-0.0601	0.0143	0.1454	0.0996
1016	14	13.8	0.6591	-0.0095	0.1388	0.7884	-0.0554	0.0122	0.1484	0.1052
1017	13.9	13.8	0.6621	-0.0097	0.1348	0.7872	-0.0466	0.0094	0.1483	0.111
1018	13.9	13.8	0.6631	-0.0097	0.1331	0.7865	-0.0279	0.0084	0.1406	0.121
1019	13.9	13.8	0.6633	-0.0097	0.1322	0.7858	-0.0222	0.0111	0.1418	0.1307
1020	13.5	13.7	0.6651	-0.0097	0.1289	0.7843	-0.0335	0.013	0.1551	0.1346
1021	13.7	13.7	0.6668	-0.0098	0.1273	0.7843	-0.0458	0.0132	0.1741	0.1415
1022	13.7	13.7	0.6665	-0.0098	0.1279	0.7846	-0.0499	0.0138	0.1798	0.1437
1023	13.9	13.7	0.6662	-0.0097	0.1279	0.7843	-0.0542	0.0121	0.1812	0.1391
1024	13.9	13.6	0.6662	-0.0097	0.1275	0.7841	-0.0808	0.0049	0.2095	0.1337
1025	13.8	13.6	0.6665	-0.0096	0.1271	0.7839	-0.0972	-0.0007	0.2169	0.119
1026	13.8	13.6	0.6664	-0.0097	0.1268	0.7835	-0.1123	-0.0065	0.2235	0.1047
1027	13.6	13.5	0.6668	-0.0098	0.1257	0.7827	-0.1172	-0.0079	0.2187	0.0937

1028	12.9	13.5	0.6671	-0.0101	0.1255	0.7825	-0.1135	-0.0063	0.2089	0.089
1029	13.4	13.5	0.6674	-0.0103	0.1248	0.7819	-0.1061	-0.0036	0.1967	0.0869
1030	13.6	13.5	0.6671	-0.0105	0.125	0.7816	-0.1035	-0.0006	0.1874	0.0833
1031	13.3	13.5	0.6668	-0.0106	0.1258	0.782	-0.0954	-0.0019	0.1708	0.0736
1032	13.1	13.4	0.6672	-0.0106	0.1254	0.782	-0.0888	-0.0018	0.1605	0.0698
1033	13.4	13.4	0.6679	-0.0106	0.1239	0.7812	-0.069	0.0042	0.1364	0.0715
1034	13.7	13.4	0.6676	-0.0109	0.1237	0.7804	-0.0602	0.0034	0.1322	0.0754
1035	13.2	13.3	0.6659	-0.011	0.1253	0.7802	-0.0456	0.0023	0.132	0.0887
1036	12.9	13.3	0.6656	-0.0107	0.1255	0.7805	-0.0502	0.0028	0.1387	0.0913
1037	13.4	13.3	0.6668	-0.0109	0.1239	0.7798	-0.072	0.0058	0.1644	0.0983
1038	13.4	13.3	0.6675	-0.011	0.1228	0.7793	-0.0586	0.0071	0.1588	0.1074
1039	13.2	13.2	0.6693	-0.0115	0.1212	0.7789	-0.0561	0.0101	0.1568	0.1108
1040	13.4	13.2	0.6699	-0.0118	0.1204	0.7786	-0.0918	0.0111	0.1974	0.1167
1041	13.4	13.2	0.6699	-0.0118	0.12	0.778	-0.1042	0.0139	0.2191	0.1288
1042	13.3	13.2	0.6699	-0.0119	0.1194	0.7774	-0.0945	0.0158	0.2197	0.141
1043	13.5	13.2	0.6698	-0.0119	0.1195	0.7773	-0.091	0.015	0.2139	0.1378
1044	12.8	13.1	0.6705	-0.0116	0.1192	0.7781	-0.1019	0.0179	0.2201	0.1361
1045	13.1	13.1	0.6719	-0.0109	0.1183	0.7793	-0.1215	0.0206	0.2369	0.136
1046	13.2	13.1	0.6721	-0.0111	0.1175	0.7785	-0.1242	0.0207	0.239	0.1355
1047	13.1	13	0.6727	-0.0115	0.1172	0.7784	-0.1106	0.024	0.2246	0.138
1048	12.8	13	0.6731	-0.0117	0.1165	0.7779	-0.0873	0.0279	0.2011	0.1418
1049	13	13	0.6729	-0.0119	0.1165	0.7775	-0.09	0.0317	0.198	0.1398
1050	13.2	12.9	0.6727	-0.0122	0.117	0.7775	-0.0913	0.0361	0.1906	0.1353
1051	12.9	12.9	0.6733	-0.0124	0.1168	0.7778	-0.0719	0.0351	0.1543	0.1175
1052	12.8	12.9	0.6748	-0.0124	0.1156	0.7779	-0.0698	0.0263	0.1578	0.1143
1053	13.2	12.9	0.674	-0.0121	0.116	0.7779	-0.087	0.0247	0.1818	0.1194
1054	12.8	12.9	0.6738	-0.0121	0.1155	0.7773	-0.0881	0.0225	0.1876	0.122
1055	12.4	12.9	0.6731	-0.0122	0.1159	0.7769	-0.0677	0.0197	0.1676	0.1196
1056	12.4	12.9	0.6722	-0.0121	0.1175	0.7776	-0.0392	0.0186	0.1356	0.1151
1057	12.6	12.9	0.6712	-0.0124	0.1192	0.778	-0.0233	0.016	0.1211	0.1137
1058	12.7	12.9	0.6718	-0.0127	0.1181	0.7772	-0.022	0.0068	0.1181	0.103
1059	12.9	12.9	0.6736	-0.0127	0.1151	0.776	-0.0427	0.006	0.1337	0.097
1060	12.9	12.9	0.6733	-0.0124	0.1148	0.7757	-0.0882	0.0075	0.194	0.1132
1061	13.3	12.8	0.673	-0.0127	0.1147	0.775	-0.117	0.0107	0.2437	0.1373
1062	13.2	12.9	0.6712	-0.0127	0.1165	0.775	-0.1004	0.012	0.2307	0.1423
1063	13.3	12.9	0.6687	-0.0122	0.1186	0.7752	-0.0877	0.0105	0.2307	0.1535
1064	12.6	12.9	0.665	-0.0114	0.1222	0.7757	-0.1127	0.0075	0.2834	0.1782

1065	12.6	12.9	0.6633	-0.0111	0.1237	0.7758	-0.1412	0.006	0.3132	0.178
1066	12.8	13	0.6621	-0.0108	0.1244	0.7758	-0.1271	0.0059	0.2901	0.1688
1067	12.9	13	0.6616	-0.0106	0.1243	0.7752	-0.0826	0.0017	0.2308	0.1498
1068	13.1	13	0.6623	-0.0108	0.1229	0.7744	-0.0561	0.0004	0.1924	0.1367
1069	13.1	13	0.6627	-0.0107	0.1218	0.7738	-0.0323	-0.002	0.1597	0.1255
1070	12.6	13	0.662	-0.0108	0.122	0.7732	-0.019	-0.0025	0.1358	0.1142
1071	13.2	13	0.6639	-0.011	0.1202	0.7731	0.0016	-0.0011	0.0998	0.1003
1072	13	13	0.6662	-0.0113	0.1184	0.7733	0.0124	0.0009	0.0943	0.1076
1073	13.2	13	0.6691	-0.011	0.1154	0.7734	-0.0074	-0.0009	0.1272	0.1188
1074	13.2	13	0.6702	-0.0106	0.1144	0.7739	-0.0063	0.0038	0.1197	0.1173
1075	12.9	13	0.6709	-0.0102	0.1141	0.7748	-0.0218	0.0077	0.1249	0.1108
1076	13	13	0.6704	-0.0101	0.1153	0.7756	-0.0383	0.0081	0.1424	0.1122
1077	13	13	0.6696	-0.0102	0.1163	0.7757	-0.0541	0.0075	0.1601	0.1135
1078	12.8	13	0.669	-0.0102	0.1166	0.7753	-0.0561	0.0101	0.1611	0.115
1079	12.9	13	0.6682	-0.0102	0.1174	0.7754	-0.0561	0.0123	0.1645	0.1207
1080	12.7	13.1	0.6674	-0.01	0.1188	0.7761	-0.0605	0.0123	0.1592	0.111
1081	13.2	13.1	0.6671	-0.0102	0.1196	0.7764	-0.0618	0.0143	0.1576	0.11
1082	13.3	13.1	0.6654	-0.0106	0.1226	0.7775	-0.073	0.0119	0.1679	0.1067
1083	12.9	13.1	0.6648	-0.0104	0.1234	0.7778	-0.0706	0.0112	0.1667	0.1072
1084	12.6	13.1	0.6638	-0.0103	0.1229	0.7764	-0.0603	0.0125	0.1543	0.1065
1085	12.9	13.1	0.6629	-0.0102	0.1235	0.7762	-0.0594	0.0113	0.1493	0.1012
1086	13.4	13.1	0.6627	-0.0102	0.1237	0.7762	-0.0797	0.0106	0.1699	0.1008
1087	13.6	13.1	0.6624	-0.0105	0.1236	0.7755	-0.0913	0.0127	0.1871	0.1085
1088	13.3	13.1	0.6622	-0.0107	0.1237	0.7752	-0.0829	0.0134	0.1748	0.1053
1089	13.1	13.2	0.6664	-0.0107	0.1193	0.7749	-0.0829	0.0141	0.1585	0.0897
1090	12.9	13.2	0.6693	-0.0108	0.1158	0.7744	-0.0506	0.0126	0.1414	0.1034
1091	13	13.2	0.6708	-0.011	0.1133	0.7731	-0.0461	0.0103	0.1413	0.1055
1092	13.3	13.2	0.6715	-0.0108	0.1125	0.7732	-0.0344	0.0059	0.1196	0.0911
1093	13.5	13.2	0.6715	-0.0109	0.1128	0.7733	-0.0224	0.0008	0.0933	0.0717
1094	13.2	13.2	0.6724	-0.0112	0.1121	0.7733	-0.0281	-0.0013	0.0902	0.0609
1095	13.1	13.3	0.6732	-0.0113	0.1112	0.7731	-0.0286	-0.0015	0.0925	0.0625
1096	13.3	13.3	0.6727	-0.0116	0.1116	0.7726	-0.027	0.0024	0.1021	0.0776
1097	13.5	13.2	0.6712	-0.0122	0.1132	0.7722	-0.0144	-0.0003	0.0885	0.0737
1098	13.2	13.2	0.6714	-0.0126	0.1133	0.7721	-0.0098	-0.0031	0.0993	0.0864
1099	12.9	13.2	0.672	-0.0131	0.1128	0.7717	0.0022	-0.0032	0.0907	0.0897
1100	13.3	13.2	0.669	-0.013	0.1175	0.7734	0.0188	-0.0058	0.0852	0.0981
1101	13.8	13.2	0.6686	-0.0122	0.1174	0.7738	0.0274	-0.0077	0.0858	0.1055

1102	13.3	13.2	0.6706	-0.0121	0.1147	0.7732	0.0523	-0.0086	0.0676	0.1113
1103	13.2	13.2	0.6711	-0.0118	0.1135	0.7728	0.0859	-0.0101	0.0387	0.1145
1104	13.3	13.2	0.669	-0.0115	0.1154	0.7729	0.0634	-0.0093	0.0586	0.1127
1105	13.1	13.2	0.6656	-0.0114	0.1191	0.7733	0.0223	-0.011	0.0952	0.1066
1106	13.1	13.2	0.6646	-0.0112	0.1201	0.7735	-0.0006	-0.0108	0.1119	0.1004
1107	13.2	13.2	0.6657	-0.0105	0.119	0.7742	-0.0228	-0.0104	0.14	0.1068
1108	13.2	13.1	0.6669	-0.0103	0.1177	0.7742	-0.0414	-0.0129	0.1585	0.1041
1109	13.1	13.1	0.6679	-0.0103	0.1162	0.7738	-0.0388	-0.0152	0.1456	0.0916
1110	13.1	13.1	0.6685	-0.0102	0.115	0.7733	-0.0242	-0.014	0.1177	0.0794
1111	13.1	13.1	0.6673	-0.0102	0.1162	0.7734	-0.0081	-0.0109	0.0971	0.0781
1112	13.1	13.1	0.6666	-0.0101	0.1166	0.7731	0.0272	-0.0133	0.0579	0.0718
1113	13.3	13	0.6681	-0.01	0.1141	0.7722	0.015	-0.0138	0.068	0.0692
1114	13.1	13	0.6697	-0.0099	0.1125	0.7723	-0.0407	-0.0075	0.1203	0.0721
1115	12.7	13	0.6701	-0.0099	0.1123	0.7726	-0.0664	0.0036	0.1439	0.0811
1116	12.9	13	0.6674	-0.0097	0.1158	0.7734	-0.0769	0.0099	0.1534	0.0865
1117	13.1	13	0.6677	-0.0097	0.1155	0.7735	-0.0853	0.0157	0.1629	0.0933
1118	12.9	13	0.6663	-0.0095	0.1172	0.774	-0.1087	0.0142	0.1826	0.0881
1119	12.9	12.9	0.6652	-0.0094	0.1186	0.7743	-0.1242	0.0086	0.1937	0.0781
1120	13.1	12.9	0.665	-0.0096	0.1189	0.7743	-0.127	0.0064	0.1951	0.0745
1121	13.1	12.9	0.6655	-0.0099	0.1179	0.7735	-0.1368	0.0035	0.2019	0.0687
1122	12.5	12.8	0.6672	-0.0097	0.1152	0.7727	-0.1326	0.0008	0.1979	0.0661
1123	12.8	12.8	0.6668	-0.0101	0.1159	0.7726	-0.1093	0.0042	0.1837	0.0786
1124	13.1	12.7	0.6684	-0.0104	0.115	0.773	-0.0694	0.0049	0.135	0.0705
1125	13.1	12.7	0.6703	-0.0104	0.1128	0.7727	-0.0292	0.0085	0.0879	0.0671
1126	12.9	12.7	0.6718	-0.0105	0.1108	0.7722	0.0023	0.0142	0.052	0.0685
1127	12.7	12.7	0.6724	-0.0108	0.1096	0.7712	0.0074	0.0162	0.054	0.0776
1128	12.4	12.7	0.6727	-0.0113	0.1091	0.7705	-0.0032	0.0153	0.0804	0.0924
1129	12.1	12.6	0.6735	-0.0116	0.1089	0.7708	-0.0496	0.012	0.1266	0.089
1130	12.5	12.6	0.6733	-0.0119	0.1092	0.7706	-0.0861	0.0098	0.1684	0.0921
1131	12.2	12.6	0.6741	-0.0118	0.109	0.7713	-0.105	0.0104	0.1967	0.1021
1132	12.4	12.6	0.6743	-0.0117	0.1087	0.7712	-0.0904	0.0077	0.1878	0.1051
1133	12.6	12.6	0.674	-0.0119	0.1085	0.7706	-0.055	0.0032	0.1644	0.1126
1134	12.4	12.6	0.6736	-0.0121	0.1088	0.7703	-0.0514	0.0037	0.1665	0.1187
1135	12.5	12.6	0.6739	-0.012	0.1083	0.7702	-0.0789	0.0063	0.1814	0.1088
1136	12.8	12.6	0.6748	-0.012	0.1068	0.7696	-0.0971	0.0095	0.2013	0.1138
1137	12.7	12.6	0.6751	-0.0122	0.1064	0.7692	-0.115	0.0142	0.2224	0.1216
1138	12.6	12.6	0.6758	-0.0124	0.107	0.7703	-0.1345	0.0164	0.2375	0.1194

1139	12.2	12.6	0.6743	-0.0128	0.1071	0.7686	-0.1294	0.0168	0.2217	0.109
1140	12.9	12.6	0.6746	-0.0128	0.1063	0.768	-0.0492	0.0186	0.1201	0.0896
1141	13.2	12.6	0.6733	-0.0124	0.108	0.7689	0.0035	0.0179	0.0585	0.08
1142	12.8	12.6	0.6721	-0.012	0.1101	0.7702	0.0047	0.0141	0.0567	0.0755
1143	12.3	12.6	0.6726	-0.0118	0.1104	0.7712	-0.0008	0.0147	0.0664	0.0802
1144	12.5	12.6	0.6734	-0.0115	0.11	0.7718	-0.0087	0.0122	0.0748	0.0783
1145	12.8	12.6	0.6746	-0.0111	0.1081	0.7716	0.001	0.0091	0.0639	0.074
1146	12.8	12.6	0.6735	-0.0111	0.1087	0.7711	0.0245	0.0094	0.0391	0.073
1147	12.8	12.6	0.6737	-0.0112	0.1072	0.7697	0.0195	0.0057	0.0457	0.0708
1148	12.4	12.6	0.6729	-0.0113	0.1074	0.769	0.0002	0.0001	0.0719	0.0721
1149	12.8	12.6	0.6711	-0.0113	0.108	0.7677	0.0002	-0.0067	0.0728	0.0663
1150	12.7	12.6	0.67	-0.0114	0.1084	0.767	-0.0011	-0.0155	0.0624	0.0458
1151	12.4	12.6	0.6681	-0.0115	0.11	0.7666	-0.0438	-0.0161	0.1142	0.0543
1152	12.4	12.5	0.6662	-0.0114	0.1117	0.7665	-0.0625	-0.0079	0.1269	0.0565
1153	12.6	12.5	0.6677	-0.0112	0.1101	0.7666	-0.018	-0.0058	0.0777	0.0539
1154	12.2	12.5	0.6716	-0.011	0.106	0.7666	0.0043	-0.0045	0.0501	0.05
1155	12.2	12.4	0.6732	-0.0111	0.1048	0.7669	-0.0155	-0.0035	0.0663	0.0473
1156	12.5	12.4	0.6745	-0.0111	0.1035	0.7669	-0.0452	-0.0056	0.1062	0.0553
1157	12.4	12.4	0.6754	-0.0111	0.1033	0.7676	-0.0441	-0.0072	0.1188	0.0676
1158	12.6	12.4	0.6757	-0.0112	0.1035	0.768	-0.0599	-0.0022	0.1467	0.0845
1159	12.9	12.4	0.676	-0.0112	0.1033	0.7681	-0.0555	-0.0019	0.1457	0.0883
1160	12.4	12.4	0.6741	-0.0113	0.1051	0.7679	-0.0333	-0.0014	0.1284	0.0937
1161	11.9	12.4	0.6703	-0.0114	0.1089	0.7678	-0.0081	-0.0004	0.0949	0.0864
1162	12.3	12.4	0.6697	-0.0113	0.1097	0.7681	-0.0124	0	0.0898	0.0774
1163	12.2	12.4	0.6728	-0.0114	0.1066	0.768	-0.0311	0.0014	0.1035	0.0738
1164	12.1	12.5	0.6716	-0.0118	0.1078	0.7676	-0.0364	0.0046	0.1015	0.0697
1165	12.6	12.5	0.6709	-0.0121	0.1084	0.7672	-0.0469	0.0071	0.1179	0.0782
1166	12.8	12.5	0.6707	-0.0123	0.1081	0.7665	-0.0541	0.0081	0.1369	0.0908
1167	12.4	12.6	0.6725	-0.0121	0.106	0.7664	-0.0894	0.0116	0.189	0.1111
1168	12.3	12.6	0.6747	-0.0116	0.1035	0.7665	-0.089	0.0125	0.1971	0.1205
1169	13	12.6	0.6754	-0.0114	0.1023	0.7664	-0.0924	0.013	0.2063	0.1269
1170	12.7	12.6	0.6757	-0.0112	0.1018	0.7663	-0.0935	0.0135	0.2125	0.1325
1171	12.3	12.7	0.6772	-0.0111	0.1004	0.7665	-0.0422	0.012	0.1664	0.1362
1172	12.6	12.7	0.6771	-0.0117	0.1	0.7654	-0.0477	0.0084	0.1672	0.128
1173	12.8	12.7	0.676	-0.0115	0.1019	0.7663	-0.0378	0.0076	0.1357	0.1055
1174	13	12.7	0.6731	-0.0115	0.1056	0.7672	-0.033	0.0022	0.1178	0.087
1175	13	12.7	0.6706	-0.0116	0.1089	0.768	0.0036	0.0008	0.0821	0.0865

1176	12.8	12.7	0.6697	-0.0117	0.1099	0.7679	0.0464	0.0025	0.0405	0.0894
1177	12.8	12.8	0.6699	-0.0117	0.1083	0.7665	0.0802	0.0016	0.0004	0.0822
1178	12.9	12.8	0.6739	-0.0114	0.1039	0.7664	0.0938	-0.0009	-0.0192	0.0737
1179	13	12.8	0.6768	-0.0112	0.1006	0.7662	0.099	-0.0045	-0.0244	0.0702
1180	12.9	12.8	0.6779	-0.0111	0.0991	0.7659	0.1098	-0.0078	-0.0256	0.0764
1181	12.7	12.8	0.6761	-0.011	0.1008	0.7659	0.1165	-0.0141	-0.0272	0.0752
1182	12.2	12.8	0.6709	-0.0109	0.1062	0.7662	0.1551	-0.0139	-0.0537	0.0876
1183	12.8	12.8	0.67	-0.0108	0.1067	0.7659	0.1629	-0.0138	-0.0651	0.0841
1184	13	12.9	0.6717	-0.011	0.1047	0.7655	0.1568	-0.0159	-0.0661	0.0747
1185	12.8	12.9	0.6726	-0.0111	0.1034	0.7648	0.1529	-0.0175	-0.0613	0.0741
1186	12.8	12.9	0.6742	-0.0117	0.1015	0.764	0.1559	-0.0173	-0.071	0.0676
1187	13.1	12.9	0.6759	-0.0121	0.0998	0.7636	0.1633	-0.0177	-0.1151	0.0304
1188	13.1	12.9	0.6751	-0.0124	0.1015	0.7643	0.1846	-0.0193	-0.1318	0.0335
1189	12.5	12.8	0.6713	-0.0126	0.1072	0.766	0.1784	-0.0209	-0.1274	0.0301
1190	12.6	12.8	0.669	-0.0126	0.11	0.7664	0.1585	-0.0249	-0.1305	0.0031
1191	12.9	12.8	0.6703	-0.0124	0.1077	0.7656	0.1462	-0.0249	-0.1246	-0.0033
1192	12.9	12.8	0.6716	-0.0123	0.1059	0.7651	0.1176	-0.0196	-0.0897	0.0083
1193	13.2	12.8	0.6724	-0.0122	0.1053	0.7655	0.0963	-0.0142	-0.0581	0.0239
1194	13.4	12.8	0.6723	-0.0121	0.1057	0.7659	0.0699	-0.012	-0.0148	0.0431
1195	12.8	12.8	0.6708	-0.0123	0.1073	0.7658	0.0678	-0.008	-0.0008	0.0591
1196	12.8	12.8	0.6707	-0.0122	0.107	0.7655	0.0834	-0.0031	-0.0194	0.0609
1197	12.7	12.7	0.6712	-0.0122	0.106	0.765	0.0578	-0.0015	0.0104	0.0667
1198	12.4	12.7	0.6714	-0.0119	0.106	0.7655	0.0722	-0.0001	-0.0062	0.0659
1199	12.6	12.7	0.6721	-0.0115	0.1065	0.7671	0.0592	-0.0018	0.0108	0.0682
1200	12.8	12.8	0.6734	-0.0114	0.106	0.768	0.0167	-0.0025	0.0511	0.0653
1201	12.7	12.7	0.6749	-0.0114	0.1047	0.7682	0.004	-0.001	0.0684	0.0714
1202	12.6	12.7	0.6724	-0.0115	0.107	0.7679	-0.0121	-0.0006	0.0785	0.0658
1203	12.7	12.7	0.6707	-0.0114	0.1085	0.7678	-0.0304	0.0063	0.0802	0.0561
1204	12.6	12.6	0.6705	-0.0111	0.1088	0.7682	-0.0397	0.0101	0.0825	0.053
1205	12.5	12.6	0.6701	-0.0108	0.1085	0.7678	-0.0116	0.0099	0.0598	0.0581
1206	12.4	12.6	0.669	-0.0105	0.1082	0.7667	-0.0139	0.0098	0.053	0.0488
1207	12.5	12.5	0.6717	-0.0102	0.1043	0.7658	-0.0117	0.011	0.0381	0.0374
1208	13	12.6	0.6724	-0.0101	0.1031	0.7654	-0.0058	0.0102	0.0406	0.0449
1209	12.9	12.6	0.6712	-0.0102	0.1034	0.7645	-0.0163	0.0067	0.0596	0.05
1210	12.8	12.5	0.6693	-0.0102	0.1055	0.7647	-0.0096	0.0055	0.0602	0.0561
1211	12.7	12.5	0.6686	-0.0102	0.1073	0.7656	-0.0175	0.0043	0.0702	0.0571
1212	12.2	12.5	0.6697	-0.0103	0.1063	0.7657	-0.053	0.0018	0.1051	0.0539

1213	11.8	12.4	0.6717	-0.0104	0.104	0.7653	-0.0641	0.0005	0.1214	0.0578
1214	12.3	12.4	0.6744	-0.0106	0.1007	0.7645	-0.0283	-0.0019	0.0878	0.0576
1215	12.3	12.4	0.6755	-0.0107	0.0987	0.7635	-0.0161	-0.0084	0.0722	0.0477
1216	12.5	12.4	0.6763	-0.0109	0.0969	0.7623	0.0106	-0.0163	0.0339	0.0283
1217	12.6	12.4	0.6766	-0.0109	0.0958	0.7614	0.0231	-0.0186	-0.0009	0.0036
1218	12.6	12.4	0.6755	-0.0108	0.0965	0.7613	0.0913	-0.0175	-0.0718	0.002
1219	12.3	12.4	0.6745	-0.0108	0.0974	0.7611	0.098	-0.0123	-0.0602	0.0255
1220	12	12.3	0.6692	-0.0108	0.1023	0.7607	0.0918	-0.0112	-0.0647	0.0158
1221	12.1	12.3	0.6703	-0.0107	0.1012	0.7607	0.0976	-0.0106	-0.0855	0.0015
1222	12.1	12.3	0.671	-0.0105	0.1017	0.7622	0.1041	-0.01	-0.095	-0.0009
1223	12	12.4	0.6701	-0.0103	0.1042	0.7639	0.0914	-0.0154	-0.0846	-0.0085
1224	12	12.4	0.668	-0.0105	0.1068	0.7643	0.0721	-0.012	-0.0573	0.0028
1225	12.3	12.4	0.6657	-0.0107	0.1088	0.7638	0.0286	-0.0103	-0.007	0.0114
1226	12.8	12.4	0.6638	-0.0106	0.1107	0.7639	0.0068	-0.0098	0.0278	0.0248
1227	12.8	12.3	0.663	-0.0107	0.1115	0.7638	-0.0114	-0.0104	0.0457	0.0239
1228	12.7	12.3	0.6628	-0.0108	0.1115	0.7634	-0.0287	-0.0112	0.0676	0.0278
1229	12.5	12.3	0.6625	-0.0108	0.1114	0.7631	0.0113	-0.0076	0.0274	0.0311
1230	11.8	12.3	0.6617	-0.0105	0.1119	0.7631	0.0322	-0.0031	0.0112	0.0403
1231	12.5	12.3	0.6586	-0.0104	0.1144	0.7626	0.0289	-0.0001	0.0231	0.0519
1232	12.8	12.3	0.658	-0.0103	0.1152	0.7628	0.0038	0.002	0.0573	0.0631
1233	12.6	12.3	0.6583	-0.0103	0.1151	0.7631	-0.0435	0.0041	0.1134	0.0741
1234	12.3	12.3	0.6583	-0.0103	0.1149	0.7629	-0.0429	0.0051	0.1156	0.0778
1235	12.2	12.3	0.6583	-0.0103	0.1154	0.7634	-0.0142	0.0043	0.0827	0.0729
1236	11.8	12.3	0.6585	-0.0102	0.1183	0.7666	-0.0052	0.0026	0.0768	0.0743
1237	12.2	12.3	0.6566	-0.0103	0.1196	0.7659	0.0037	-0.0026	0.0646	0.0658
1238	12	12.2	0.6579	-0.0103	0.1197	0.7673	0.0093	-0.008	0.0671	0.0684
1239	12.2	12.2	0.6585	-0.0103	0.1201	0.7683	-0.0047	-0.0108	0.0951	0.0796
1240	12.3	12.3	0.6599	-0.0103	0.1188	0.7684	-0.0367	-0.012	0.1457	0.0971
1241	12.3	12.2	0.6616	-0.0105	0.117	0.7681	-0.05	-0.0104	0.162	0.1016
1242	12.3	12.2	0.6625	-0.0106	0.1159	0.7678	-0.0432	-0.0068	0.1439	0.0939
1243	11.9	12.2	0.6656	-0.0106	0.1119	0.7669	-0.0373	-0.005	0.1328	0.0904
1244	12.3	12.2	0.6666	-0.0107	0.1101	0.7659	-0.0264	-0.001	0.1276	0.1002
1245	12.5	12.2	0.6663	-0.0108	0.11	0.7655	-0.0357	-0.0029	0.144	0.1054
1246	12.1	12.2	0.6677	-0.0109	0.1076	0.7644	-0.0385	-0.004	0.1537	0.1112
1247	11.8	12.2	0.6665	-0.0112	0.1079	0.7631	-0.0215	-0.0016	0.1413	0.1183
1248	12.3	12.2	0.667	-0.0112	0.1064	0.7622	-0.0011	-0.0007	0.1197	0.1179
1249	12.6	12.2	0.6694	-0.0111	0.1029	0.7612	0.0129	0.0034	0.1039	0.1202

1250	11.9	12.2	0.6696	-0.0113	0.1016	0.7598	0.0208	0.009	0.1028	0.1326
1251	12.6	12.2	0.6693	-0.0114	0.1022	0.76	0.0318	0.0165	0.0901	0.1384
1252	12.6	12.2	0.6692	-0.0121	0.1037	0.7608	0.0382	0.0178	0.0809	0.1369
1253	11.9	12.3	0.6716	-0.0122	0.1019	0.7613	0.0069	0.0145	0.1026	0.1241
1254	12.3	12.3	0.6727	-0.012	0.1	0.7608	0.0122	0.0156	0.0864	0.1141
1255	12.4	12.3	0.6746	-0.0121	0.0995	0.762	0.0384	0.0193	0.0539	0.1116
1256	12.1	12.3	0.6757	-0.0122	0.0997	0.7632	0.0445	0.0234	0.037	0.1048
1257	11.9	12.3	0.6759	-0.0121	0.0993	0.7631	0.031	0.0279	0.0362	0.0952
1258	12.2	12.3	0.6773	-0.0119	0.0976	0.763	0.0392	0.0298	0.0209	0.0898
1259	12.4	12.3	0.677	-0.0118	0.0973	0.7625	0.0292	0.0236	0.034	0.0867
1260	12.3	12.3	0.6758	-0.0117	0.0981	0.7622	0.0099	0.0192	0.039	0.0682
1261	12.5	12.2	0.6756	-0.0115	0.0984	0.7624	-0.0284	0.0206	0.0834	0.0756
1262	12.6	12.2	0.6761	-0.0114	0.0976	0.7623	-0.046	0.023	0.1142	0.0913
1263	12.5	12.2	0.6756	-0.0112	0.0978	0.7622	-0.043	0.0227	0.1146	0.0942
1264	12.3	12.3	0.6732	-0.0109	0.1005	0.7628	-0.0334	0.0192	0.1046	0.0903
1265	12.2	12.3	0.6699	-0.0105	0.105	0.7644	0.0045	0.0158	0.0593	0.0796
1266	11.9	12.3	0.6683	-0.0105	0.1082	0.7661	0.027	0.0141	0.01	0.051
1267	12.6	12.3	0.6633	-0.0103	0.1132	0.7662	0.0498	0.0123	-0.0101	0.052
1268	11.9	12.3	0.6649	-0.0104	0.1095	0.764	0.038	0.013	-0.007	0.044
1269	11.8	12.3	0.6663	-0.0102	0.1088	0.7648	0.0084	0.0162	0.0146	0.0392
1270	12	12.3	0.666	-0.0101	0.1103	0.7662	0	0.017	0.0184	0.0354
1271	12.2	12.3	0.6668	-0.0101	0.1099	0.7666	-0.0356	0.0153	0.0475	0.0272
1272	12.4	12.3	0.668	-0.0102	0.1085	0.7663	-0.0205	0.0118	0.036	0.0273
1273	12.6	12.3	0.6688	-0.0103	0.1076	0.7661	-0.0326	0.0099	0.0731	0.0504
1274	12.6	12.3	0.6702	-0.0104	0.1063	0.7661	-0.0475	0.0095	0.1082	0.0702
1275	12.4	12.4	0.6699	-0.0106	0.1062	0.7655	-0.0638	0.0079	0.1312	0.0753
1276	12.5	12.4	0.6708	-0.0107	0.1054	0.7655	-0.0882	0.0071	0.1507	0.0695
1277	12.3	12.4	0.6728	-0.0106	0.1015	0.7637	-0.0997	0.0078	0.1602	0.0682
1278	12.6	12.4	0.6728	-0.0107	0.1012	0.7633	-0.0984	0.0055	0.1518	0.059
1279	12.5	12.5	0.6736	-0.0109	0.0995	0.7622	-0.0923	0.0056	0.1446	0.0579
1280	12.4	12.5	0.675	-0.0111	0.0968	0.7607	-0.0908	0.0092	0.1443	0.0627
1281	12.4	12.5	0.6757	-0.0112	0.0951	0.7596	-0.0966	0.0146	0.1471	0.0651
1282	12.4	12.5	0.6753	-0.0113	0.0949	0.7588	-0.1145	0.017	0.1575	0.06
1283	12.5	12.5	0.6742	-0.0113	0.0952	0.7581	-0.1182	0.0195	0.163	0.0643
1284	12.9	12.5	0.6731	-0.0114	0.0965	0.7582	-0.0869	0.0218	0.1179	0.0528
1285	12.6	12.5	0.6731	-0.0114	0.0957	0.7574	-0.0373	0.0257	0.0531	0.0415
1286	12.2	12.5	0.6739	-0.0114	0.095	0.7575	-0.0053	0.0265	0.0168	0.038

1287	12.5	12.5	0.675	-0.0113	0.0931	0.7568	0.0013	0.0222	0.0304	0.054
1288	12.6	12.5	0.6756	-0.0113	0.092	0.7563	-0.0328	0.012	0.0488	0.028
1289	12.5	12.5	0.675	-0.0114	0.0927	0.7563	-0.0537	0.0032	0.0869	0.0363
1290	12.6	12.5	0.674	-0.0116	0.0938	0.7562	-0.1059	0	0.1729	0.067
1291	12.8	12.5	0.6746	-0.0117	0.0933	0.7562	-0.1061	-0.0005	0.1858	0.0792
1292	12.7	12.5	0.6753	-0.0118	0.0926	0.7561	-0.0971	0.0017	0.1855	0.0901
1293	12	12.5	0.675	-0.0121	0.0925	0.7555	-0.0936	0.0046	0.1941	0.1052
1294	12	12.5	0.6759	-0.0118	0.0913	0.7554	-0.0752	0.0065	0.173	0.1044
1295	12.5	12.5	0.6746	-0.0119	0.0919	0.7547	-0.0828	0.0073	0.1755	0.1
1296	12.7	12.5	0.6728	-0.012	0.0929	0.7537	-0.0952	0.0084	0.1877	0.1009
1297	12.6	12.6	0.6713	-0.0121	0.094	0.7532	-0.0655	0.0077	0.1495	0.0918
1298	12.5	12.6	0.6701	-0.0122	0.0956	0.7535	-0.0775	0.0071	0.1527	0.0822
1299	12.7	12.5	0.67	-0.0124	0.0963	0.7538	-0.0553	0.0089	0.1222	0.0758
1300	12.6	12.5	0.6702	-0.013	0.097	0.7542	-0.0129	0.0081	0.0633	0.0584
1301	12.7	12.5	0.671	-0.0132	0.0966	0.7545	0.0027	0.0037	0.0449	0.0512
1302	12.7	12.5	0.6717	-0.0129	0.0967	0.7554	0.0132	0.0025	0.0475	0.0632
1303	12.4	12.5	0.6694	-0.0129	0.0999	0.7564	0.0214	-0.0022	0.0559	0.0751
1304	12.5	12.6	0.6667	-0.013	0.1034	0.757	0.0434	-0.0018	0.0419	0.0835
1305	12.8	12.5	0.6656	-0.0132	0.1048	0.7573	0.0433	0.0043	0.0404	0.088
1306	12.7	12.5	0.6659	-0.0133	0.1046	0.7572	0.0584	0.0078	0.0363	0.1025
1307	12.8	12.5	0.6678	-0.0132	0.1022	0.7568	0.0872	0.0102	0.0093	0.1067
1308	12.1	12.5	0.6695	-0.0125	0.0997	0.7567	0.0682	0.0105	0.0247	0.1033
1309	12.1	12.5	0.6703	-0.0121	0.0995	0.7576	0.0695	0.0126	0.0221	0.1042
1310	12.8	12.5	0.6722	-0.0123	0.0972	0.7571	0.0685	0.0137	0.0202	0.1024
1311	12.7	12.5	0.6732	-0.0125	0.0958	0.7565	0.0588	0.0133	0.0288	0.1009
1312	12.4	12.5	0.674	-0.0125	0.0948	0.7563	0.0502	0.0125	0.0347	0.0974
1313	12.5	12.5	0.675	-0.0124	0.0935	0.7562	0.0492	0.0152	0.037	0.1015
1314	12.2	12.4	0.6739	-0.0122	0.0948	0.7566	0.0465	0.0173	0.038	0.1018
1315	12.4	12.4	0.6728	-0.0121	0.0977	0.7584	0.0304	0.0205	0.052	0.1029
1316	12.3	12.4	0.6714	-0.0121	0.0979	0.7571	0.0056	0.0238	0.0808	0.1103
1317	12.9	12.3	0.6728	-0.0122	0.0965	0.757	-0.0088	0.0208	0.1121	0.1241
1318	12.6	12.3	0.6747	-0.0124	0.0951	0.7573	-0.0657	0.0192	0.1718	0.1253
1319	12	12.3	0.6745	-0.0125	0.0955	0.7576	-0.0567	0.0172	0.1442	0.1047
1320	12.2	12.3	0.6727	-0.0123	0.0975	0.7579	-0.0418	0.0185	0.1391	0.1158
1321	12.5	12.3	0.6723	-0.0119	0.0976	0.758	-0.0043	0.0196	0.1116	0.1269
1322	12.3	12.2	0.6743	-0.0115	0.0943	0.7571	0.0292	0.0224	0.0904	0.142
1323	12	12.2	0.6748	-0.0113	0.0933	0.7569	0.0426	0.0228	0.0744	0.1399

1324	11.6	12.2	0.6744	-0.0113	0.0937	0.7568	0.0402	0.0251	0.07	0.1354
1325	12.4	12.1	0.6745	-0.0114	0.0937	0.7568	0.053	0.0281	0.0566	0.1377
1326	12.3	12.1	0.6738	-0.0114	0.0947	0.7571	0.0541	0.028	0.0526	0.1347
1327	12.1	12	0.6729	-0.0113	0.0963	0.7579	0.0548	0.0268	0.0539	0.1355
1328	12.1	12	0.672	-0.0114	0.0971	0.7576	0.054	0.0269	0.0422	0.123
1329	12.1	12	0.6716	-0.0117	0.097	0.7569	0.0585	0.0262	0.0327	0.1174
1330	12	12	0.6713	-0.0119	0.0972	0.7566	0.076	0.0232	0.0009	0.1002
1331	12	11.9	0.6701	-0.0121	0.0986	0.7566	0.1028	0.0176	-0.0439	0.0765
1332	11.5	11.9	0.6698	-0.0123	0.0989	0.7564	0.1236	0.0148	-0.0815	0.0568
1333	12	11.9	0.667	-0.0125	0.1033	0.7578	0.127	0.0152	-0.0945	0.0477
1334	11.6	11.9	0.662	-0.0129	0.1096	0.7587	0.1196	0.0187	-0.0937	0.0446
1335	11.7	11.9	0.6589	-0.0129	0.1137	0.7596	0.112	0.0241	-0.089	0.047
1336	12	11.8	0.6583	-0.0124	0.1153	0.7612	0.1084	0.0249	-0.0932	0.0401
1337	11.8	11.8	0.6599	-0.0115	0.1147	0.7631	0.1296	0.0211	-0.1235	0.0272
1338	11.4	11.8	0.6633	-0.0106	0.111	0.7637	0.1498	0.0148	-0.1565	0.0081
1339	12	11.8	0.669	-0.0103	0.1028	0.7616	0.1558	0.0078	-0.161	0.0027
1340	11.8	11.8	0.6705	-0.0103	0.1002	0.7604	0.1406	0.0016	-0.137	0.0052
1341	11.8	11.8	0.6713	-0.0106	0.0984	0.7591	0.1272	-0.0037	-0.1183	0.0052
1342	11.8	11.8	0.6718	-0.0111	0.0965	0.7573	0.1453	-0.0085	-0.1269	0.0099
1343	11.7	11.9	0.6731	-0.0113	0.0946	0.7565	0.147	-0.011	-0.116	0.02
1344	11.7	11.9	0.6748	-0.0114	0.0925	0.7559	0.1765	-0.0161	-0.1397	0.0207
1345	11.7	11.9	0.6758	-0.0116	0.0912	0.7554	0.1977	-0.0125	-0.1635	0.0217
1346	11.6	11.9	0.6743	-0.0117	0.0927	0.7553	0.1775	-0.0123	-0.1507	0.0145
1347	11.9	11.9	0.6742	-0.0119	0.0926	0.7549	0.1555	-0.014	-0.1357	0.0058
1348	11.8	11.9	0.6725	-0.0121	0.0941	0.7546	0.1422	-0.0157	-0.1249	0.0016
1349	12	11.9	0.6707	-0.0119	0.0966	0.7554	0.1301	-0.0171	-0.1109	0.002
1350	12.1	11.9	0.6693	-0.0117	0.0971	0.7547	0.1305	-0.0186	-0.1128	-0.0009
1351	12.3	11.9	0.668	-0.0117	0.0974	0.7537	0.1348	-0.0255	-0.1146	-0.0052
1352	12.5	11.9	0.6671	-0.0118	0.0981	0.7533	0.1469	-0.0268	-0.1238	-0.0037
1353	12.4	11.9	0.6673	-0.012	0.0977	0.753	0.145	-0.0244	-0.1196	0.001
1354	11.8	11.9	0.6684	-0.0124	0.096	0.752	0.1213	-0.0241	-0.0901	0.0071
1355	11.2	11.9	0.6688	-0.0128	0.0958	0.7517	0.0894	-0.0259	-0.0475	0.016
1356	11.8	11.9	0.667	-0.0132	0.0987	0.7525	0.0601	-0.0262	-0.0063	0.0277
1357	12	11.9	0.6691	-0.0132	0.0968	0.7528	0.0267	-0.0244	0.0359	0.0382
1358	12.1	11.9	0.6704	-0.0132	0.0953	0.7526	-0.0006	-0.0213	0.0682	0.0463
1359	12.1	11.9	0.6701	-0.0132	0.0953	0.7523	0.0117	-0.0147	0.0543	0.0512
1360	12.1	11.9	0.67	-0.013	0.0952	0.7521	0.0192	-0.0108	0.0566	0.065

1361	11.8	12	0.6706	-0.0128	0.0949	0.7527	0.041	-0.0132	0.0362	0.064
1362	11.2	11.9	0.6711	-0.0129	0.0939	0.7522	0.0571	-0.0156	0.0198	0.0613
1363	11.9	11.9	0.671	-0.013	0.094	0.752	0.0822	-0.0149	-0.0096	0.0577
1364	11.7	12	0.6702	-0.013	0.0953	0.7526	0.12	-0.0124	-0.0568	0.0508
1365	11.9	12	0.6693	-0.0129	0.0969	0.7533	0.1261	-0.0099	-0.065	0.0512
1366	12	12	0.6692	-0.0126	0.097	0.7537	0.1414	-0.0099	-0.0838	0.0478
1367	11.8	12	0.6699	-0.0122	0.096	0.7537	0.132	-0.0093	-0.1022	0.0206
1368	11.9	12.1	0.6705	-0.0121	0.0951	0.7535	0.1546	-0.0105	-0.1257	0.0184
1369	12	12.1	0.6704	-0.0121	0.0949	0.7532	0.1567	-0.0127	-0.1177	0.0263
1370	12.9	12.1	0.6664	-0.0121	0.0992	0.7535	0.1197	-0.0147	-0.0666	0.0384
1371	12.2	12.1	0.6639	-0.0123	0.1009	0.7524	0.0796	-0.0136	-0.0097	0.0562
1372	12.2	12.2	0.6637	-0.0125	0.1011	0.7523	0.0618	-0.0071	0.0062	0.0609
1373	12.1	12.2	0.6648	-0.0128	0.1006	0.7525	0.0706	-0.0025	-0.0098	0.0582
1374	12.1	12.2	0.6649	-0.0132	0.1006	0.7523	0.0756	0.0009	-0.0057	0.0707
1375	12.2	12.2	0.6645	-0.0134	0.1009	0.752	0.067	0.005	0.0126	0.0846
1376	12.3	12.3	0.6654	-0.0134	0.1	0.7519	0.065	0.0096	0.0217	0.0963
1377	12.6	12.3	0.6674	-0.0133	0.0973	0.7514	0.0605	0.0125	0.0301	0.1031
1378	12.3	12.3	0.6669	-0.0133	0.0979	0.7516	0.0563	0.0151	0.0345	0.1059
1379	12.1	12.3	0.666	-0.0132	0.0994	0.7522	0.0423	0.0153	0.0403	0.0978
1380	12.3	12.3	0.6647	-0.0128	0.1012	0.7531	0.016	0.0135	0.0657	0.0952
1381	12.3	12.4	0.6634	-0.0127	0.1032	0.7539	0.0094	0.0145	0.079	0.103
1382	12.4	12.4	0.6626	-0.0128	0.1043	0.7541	-0.0076	0.0214	0.0994	0.1132
1383	12.6	12.3	0.6623	-0.0132	0.1046	0.7537	-0.0102	0.0225	0.0956	0.1079
1384	12.3	12.3	0.6619	-0.0138	0.1054	0.7535	-0.0431	0.0206	0.1388	0.1163
1385	12.2	12.4	0.6623	-0.0139	0.105	0.7534	-0.0986	0.012	0.201	0.1144
1386	12.4	12.4	0.6609	-0.0135	0.1073	0.7547	-0.1305	0.0021	0.234	0.1057
1387	12.3	12.4	0.66	-0.0128	0.1088	0.7559	-0.124	-0.0029	0.2329	0.106
1388	12.5	12.5	0.66	-0.0121	0.1081	0.756	-0.0806	0.0033	0.2031	0.1258
1389	12.9	12.5	0.6609	-0.0115	0.1064	0.7557	-0.0412	0.011	0.1699	0.1398
1390	13	12.5	0.6613	-0.0112	0.1056	0.7557	0.0097	0.0107	0.1037	0.1241
1391	12.4	12.6	0.6601	-0.0109	0.106	0.7552	0.0241	0.008	0.0839	0.1159
1392	11.4	12.6	0.6606	-0.0107	0.1042	0.7541	0.0351	0.0029	0.0669	0.105
1393	12.2	12.6	0.6574	-0.0104	0.1065	0.7534	0.0447	-0.0024	0.0448	0.0871
1394	12.7	12.6	0.6561	-0.0105	0.1076	0.7532	0.0706	-0.0036	-0.0009	0.0661
1395	13	12.6	0.6569	-0.0107	0.107	0.7532	0.095	-0.0051	-0.0447	0.0453
1396	12.9	12.6	0.6573	-0.0107	0.1064	0.7531	0.1517	-0.0052	-0.1073	0.0392
1397	12.8	12.6	0.6571	-0.0106	0.1065	0.753	0.1605	-0.0062	-0.129	0.0254

1398	12.8	12.6	0.6571	-0.0105	0.1067	0.7533	0.1559	-0.0062	-0.1131	0.0366
1399	12.9	12.6	0.657	-0.0106	0.1075	0.7539	0.146	-0.0047	-0.0945	0.0469
1400	13.1	12.5	0.6567	-0.0105	0.1085	0.7547	0.1326	-0.0038	-0.0741	0.0547
1401	13.2	12.5	0.6564	-0.0105	0.109	0.7549	0.1324	-0.0017	-0.0737	0.057
1402	12.3	12.6	0.6572	-0.0105	0.1087	0.7553	0.1348	-0.0004	-0.0822	0.0522
1403	12.2	12.5	0.6573	-0.0105	0.1089	0.7557	0.1216	-0.0017	-0.0706	0.0493
1404	12.2	12.5	0.6577	-0.0105	0.1081	0.7554	0.0994	-0.0046	-0.0437	0.051
1405	12.2	12.5	0.6596	-0.0105	0.1055	0.7545	0.0874	-0.0098	-0.0463	0.0313
1406	12.5	12.4	0.6632	-0.0109	0.101	0.7534	0.0677	-0.0118	-0.0229	0.033
1407	12.6	12.4	0.6678	-0.0111	0.0954	0.7522	0.0293	-0.0118	0.0374	0.0549
1408	12.6	12.4	0.6683	-0.011	0.0943	0.7516	0.039	-0.0087	0.0354	0.0656
1409	12.2	12.3	0.6683	-0.011	0.0938	0.7511	0.0403	-0.0094	0.0322	0.0631
1410	12	12.2	0.6681	-0.0109	0.0936	0.7507	0.0362	-0.0105	0.0347	0.0604
1411	12	12.1	0.6674	-0.0109	0.0939	0.7504	0.0493	-0.0109	0.0249	0.0633
1412	12	12.1	0.6658	-0.011	0.0958	0.7505	0.076	-0.0097	-0.0026	0.0637
1413	11.9	12.2	0.663	-0.0111	0.0992	0.7511	0.1058	-0.009	-0.0412	0.0556
1414	12.2	12.2	0.6613	-0.0112	0.1013	0.7514	0.0879	-0.0104	-0.0291	0.0484
1415	12.2	12.2	0.6587	-0.0111	0.106	0.7536	0.0478	-0.0128	0.0132	0.0481
1416	12.1	12.1	0.6582	-0.0112	0.1081	0.7551	0.0245	-0.0128	0.0455	0.0572
1417	12.2	12.1	0.6573	-0.0112	0.1091	0.7552	0.0186	-0.0094	0.0601	0.0694
1418	11.9	12.1	0.659	-0.0112	0.1068	0.7547	0.0225	-0.0057	0.0644	0.0813
1419	11.3	12.1	0.6626	-0.011	0.1022	0.7537	0.016	-0.0053	0.0691	0.0798
1420	11.6	12.1	0.6648	-0.011	0.0985	0.7523	0.0177	-0.0008	0.068	0.085
1421	12.3	12.2	0.6662	-0.0112	0.097	0.7519	-0.0312	0.0031	0.1129	0.0848
1422	12.9	12.2	0.6672	-0.0112	0.0953	0.7513	-0.0623	0.0056	0.1316	0.0749
1423	12.7	12.2	0.6673	-0.0114	0.0939	0.7498	-0.0572	0.0077	0.1143	0.0648
1424	12.2	12.2	0.6677	-0.0118	0.0924	0.7483	-0.0195	0.0061	0.086	0.0726
1425	11.8	12.2	0.668	-0.0123	0.0915	0.7472	0.0094	0.0033	0.04	0.0526
1426	11.9	12.2	0.6677	-0.0127	0.0917	0.7468	0.0238	0.0026	0.0193	0.0456
1427	12.4	12.2	0.6672	-0.0128	0.0929	0.7473	0.0338	0.0046	0.0144	0.0529
1428	12.7	12.2	0.6678	-0.0129	0.093	0.7479	0.0456	0.007	-0.0022	0.0505
1429	12.3	12.2	0.67	-0.0131	0.0904	0.7473	0.0294	0.0083	0.017	0.0547
1430	13	12.2	0.6704	-0.0134	0.0893	0.7463	0.0054	0.0114	0.0474	0.0642
1431	12.3	12.1	0.6708	-0.0143	0.0887	0.7453	-0.0071	0.013	0.0643	0.0703
1432	11.9	12.1	0.6708	-0.0145	0.0893	0.7456	-0.0193	0.007	0.0783	0.0661
1433	12.3	12	0.6713	-0.0145	0.0894	0.7462	-0.0262	-0.0069	0.0988	0.0657
1434	12.2	12	0.6719	-0.0141	0.0895	0.7473	-0.0301	-0.0145	0.1088	0.0643

1435	11.9	12	0.6719	-0.0131	0.0903	0.749	-0.038	-0.0228	0.1356	0.0748
1436	11.9	12	0.6707	-0.0121	0.092	0.7506	-0.0419	-0.0223	0.1419	0.0777
1437	11.6	12	0.668	-0.0118	0.0944	0.7505	-0.061	-0.0157	0.1751	0.0984
1438	11.6	12	0.6674	-0.0117	0.094	0.7497	-0.0661	-0.0096	0.1903	0.1146
1439	11.7	12	0.6681	-0.0114	0.0925	0.7492	-0.0336	-0.0035	0.1507	0.1137
1440	11.5	11.9	0.6681	-0.0111	0.0918	0.7488	-0.0021	0.0004	0.1134	0.1118
1441	11.5	11.9	0.6678	-0.0109	0.0917	0.7486	0.0031	0.0032	0.104	0.1103
1442	12.2	12	0.6674	-0.0108	0.092	0.7486	0.0077	0.0059	0.0863	0.0999
1443	12.2	11.9	0.6661	-0.0109	0.0947	0.7499	0.0396	0.007	0.0396	0.0862
1444	11.5	11.9	0.6653	-0.0109	0.097	0.7514	0.0088	0.0092	0.0649	0.083
1445	11.7	12	0.6606	-0.0111	0.102	0.7515	-0.0122	0.0075	0.0885	0.0838
1446	12.1	12	0.6582	-0.0111	0.1056	0.7527	-0.0233	0.0064	0.0991	0.0822
1447	11.9	12	0.6586	-0.0113	0.1039	0.7513	-0.0115	0.0065	0.0873	0.0823
1448	12.3	12.1	0.6579	-0.0116	0.1036	0.7499	-0.0358	0.0082	0.1138	0.0861
1449	12.5	12.1	0.6574	-0.0115	0.104	0.7499	-0.0615	0.0087	0.1479	0.0951
1450	12.3	12.2	0.656	-0.0115	0.1045	0.749	-0.0822	0.0087	0.1754	0.1019
1451	12.2	12.2	0.6545	-0.0116	0.1057	0.7485	-0.0945	0.011	0.1909	0.1074
1452	12.1	12.2	0.6549	-0.0117	0.1052	0.7484	-0.1023	0.012	0.1986	0.1083
1453	12.1	12.2	0.6573	-0.0115	0.102	0.7478	-0.0965	0.012	0.1994	0.1149
1454	12.6	12.2	0.6597	-0.0114	0.1006	0.7489	-0.0915	0.012	0.2023	0.1228
1455	12.4	12.2	0.662	-0.0117	0.0981	0.7484	-0.0817	0.0127	0.1904	0.1214
1456	12.4	12.2	0.664	-0.012	0.095	0.747	-0.0644	0.0124	0.1619	0.1099
1457	12.5	12.2	0.6652	-0.0123	0.0933	0.7462	0.0094	0.0084	0.078	0.0958
1458	12.3	12.2	0.6664	-0.0122	0.0921	0.7463	0.0507	0.007	0.0278	0.0855
1459	12.4	12.2	0.6665	-0.0121	0.0918	0.7462	0.0511	0.0079	0.0234	0.0824
1460	12	12.2	0.665	-0.0119	0.0927	0.7458	0.0517	0.0087	0.0122	0.0726
1461	12.5	12.2	0.663	-0.0118	0.0951	0.7463	0.0725	0.0083	-0.0166	0.0641
1462	12.3	12.2	0.6606	-0.012	0.098	0.7466	0.0724	0.0075	-0.0191	0.0608
1463	11.7	12.1	0.6622	-0.0119	0.0969	0.7472	0.0758	0.0078	-0.0224	0.0612
1464	11.8	12.1	0.6654	-0.0117	0.094	0.7477	0.0668	0.0073	-0.0051	0.069
1465	12.2	12.1	0.6669	-0.0116	0.0923	0.7476	0.0527	0.0061	0.0171	0.0758
1466	12.3	12.1	0.6674	-0.0116	0.091	0.7468	0.0314	0.0069	0.0557	0.0939
1467	12.4	12.1	0.6676	-0.0117	0.0896	0.7455	0.0309	0.0059	0.0581	0.0949
1468	11.4	12	0.6689	-0.0116	0.0882	0.7456	0.0164	0.0047	0.0598	0.081
1469	11.8	12	0.6687	-0.012	0.0881	0.7447	0.005	0.0045	0.0646	0.0741
1470	12.2	12	0.6695	-0.0124	0.0879	0.745	0.0316	0.0055	0.0371	0.0742
1471	11.9	12	0.6701	-0.0129	0.0877	0.7449	0.0477	0.005	0.0127	0.0655

1472	11.9	11.9	0.6694	-0.0132	0.0896	0.7458	0.06	0.0013	0.0037	0.065
1473	11.8	12	0.6667	-0.0134	0.092	0.7453	0.1222	0.0037	-0.0603	0.0657
1474	12.2	12	0.664	-0.0136	0.0966	0.7471	0.1322	0.0021	-0.0805	0.0538
1475	12.2	11.9	0.6622	-0.0137	0.099	0.7475	0.1186	-0.0005	-0.0788	0.0394
1476	12	11.9	0.662	-0.0138	0.0985	0.7467	0.0983	-0.0041	-0.0678	0.0263
1477	11.9	11.9	0.6628	-0.014	0.0975	0.7464	0.079	-0.0065	-0.0523	0.0202
1478	11.9	11.9	0.664	-0.0141	0.0962	0.7461	0.0689	-0.0073	-0.0335	0.0281
1479	12	11.9	0.6655	-0.0144	0.0946	0.7457	0.0716	-0.0092	-0.0266	0.0358
1480	11.7	11.9	0.6654	-0.0141	0.0948	0.7461	0.0929	-0.0137	-0.049	0.0302
1481	11.8	11.9	0.6653	-0.0134	0.0954	0.7473	0.1111	-0.0223	-0.0667	0.0221
1482	12	11.9	0.6652	-0.0121	0.0944	0.7475	0.1396	-0.0342	-0.0895	0.0159
1483	12	11.9	0.6653	-0.0117	0.0937	0.7472	0.1396	-0.0353	-0.0781	0.0262
1484	11.5	11.9	0.6657	-0.0115	0.0918	0.746	0.1206	-0.0344	-0.0442	0.042
1485	11.7	11.9	0.6664	-0.0117	0.0909	0.7456	0.1135	-0.0297	-0.0281	0.0556
1486	12.1	11.9	0.667	-0.0119	0.0898	0.7449	0.0902	-0.0205	-0.0043	0.0654
1487	12	12	0.6666	-0.0119	0.0897	0.7445	0.0542	-0.0094	0.0341	0.0789
1488	12.1	12	0.6634	-0.0117	0.093	0.7447	0.0158	-0.0053	0.0702	0.0807
1489	12	11.9	0.6611	-0.0116	0.095	0.7446	0.0252	-0.0019	0.0505	0.0738
1490	12	11.9	0.661	-0.0115	0.0952	0.7447	0.0435	0.0016	0.0237	0.0687
1491	11.8	11.9	0.6593	-0.0115	0.0973	0.7452	0.0468	0.0057	0.0186	0.0712
1492	11.5	11.9	0.6566	-0.0114	0.1002	0.7455	0.0517	0.0092	0.0112	0.0721
1493	12.1	11.9	0.6565	-0.0114	0.1	0.7451	0.064	0.0108	-0.007	0.0677
1494	12.4	11.9	0.6574	-0.0113	0.0988	0.7448	0.0606	0.01	0.0046	0.0752
1495	12	12	0.6592	-0.0113	0.0971	0.745	0.0534	0.0096	0.0287	0.0917
1496	12.6	12	0.6585	-0.0113	0.0977	0.7449	0.0036	0.0072	0.0823	0.0931
1497	12.1	12	0.6607	-0.0114	0.0951	0.7444	-0.0313	0.0074	0.1345	0.1106
1498	11.5	12	0.6632	-0.0114	0.0919	0.7438	-0.0347	0.0021	0.118	0.0854
1499	11.5	12.1	0.6652	-0.0115	0.09	0.7437	-0.0141	-0.003	0.0874	0.0703
1500	11.9	12.1	0.6662	-0.0116	0.0894	0.744	-0.0327	-0.0031	0.1125	0.0768
1501	11.9	12.1	0.6666	-0.0117	0.0892	0.744	-0.0328	-0.0012	0.0984	0.0643
1502	11.8	12.2	0.6668	-0.0117	0.0887	0.7439	-0.0555	-0.0002	0.114	0.0583
1503	12	12.2	0.6665	-0.0117	0.0886	0.7434	-0.0655	-0.0003	0.1194	0.0536
1504	12.2	12.2	0.6659	-0.0117	0.0891	0.7433	-0.0335	0	0.08	0.0465
1505	12.4	12.2	0.6661	-0.0118	0.0893	0.7435	0.0016	-0.0009	0.0539	0.0547
1506	12.8	12.2	0.6623	-0.0117	0.0932	0.7438	0.0237	-0.005	0.0299	0.0487
1507	12.3	12.2	0.6628	-0.0118	0.0927	0.7436	0.0415	-0.0093	0.0016	0.0337
1508	12.4	12.3	0.6632	-0.0118	0.0919	0.7434	0.0662	-0.0118	-0.032	0.0223

1509	12.3	12.3	0.6632	-0.0119	0.0926	0.7439	0.0641	-0.0099	-0.029	0.0252
1510	12.8	12.3	0.6608	-0.0118	0.0952	0.7443	0.0427	-0.0071	-0.008	0.0276
1511	12.5	12.3	0.6602	-0.0117	0.0958	0.7443	0.0184	-0.0045	0.0242	0.0381
1512	12.4	12.3	0.6582	-0.0118	0.098	0.7444	-0.0065	-0.0024	0.0539	0.0451
1513	12.6	12.3	0.6564	-0.0118	0.0997	0.7442	-0.0151	-0.0021	0.0738	0.0566
1514	12.4	12.3	0.6561	-0.0118	0.0996	0.7439	0.0257	0.0002	0.0314	0.0573
1515	12.4	12.2	0.6555	-0.0118	0.1005	0.7442	0.0319	0.0036	0.0321	0.0675
1516	12.4	12.1	0.6551	-0.0118	0.1023	0.7456	0.0208	0.0057	0.0459	0.0724
1517	12.3	12.1	0.6557	-0.0117	0.1031	0.7471	0.0126	0.0038	0.0518	0.0682
1518	12.3	12	0.6585	-0.0116	0.1004	0.7473	0.0063	0.0041	0.0475	0.058
1519	11.8	12	0.6594	-0.0116	0.0985	0.7463	0.0367	0.0053	0.0234	0.0655
1520	11.2	11.9	0.66	-0.0115	0.0972	0.7458	0.0668	-0.0002	-0.0063	0.0602
1521	12	11.9	0.6602	-0.0113	0.0966	0.7454	0.0939	-0.0044	-0.033	0.0564
1522	12.1	11.8	0.655	-0.0116	0.1013	0.7448	0.0987	-0.0102	-0.0361	0.0525
1523	11.9	11.8	0.6541	-0.0116	0.102	0.7444	0.0627	-0.0146	0.0043	0.0524
1524	11.4	11.8	0.6558	-0.0118	0.1003	0.7444	0.0283	-0.0195	0.0277	0.0365
1525	11.1	11.8	0.6582	-0.0119	0.0983	0.7445	0.0182	-0.0216	0.0513	0.0479
1526	11.3	11.8	0.6598	-0.012	0.0969	0.7448	0.008	-0.0216	0.0636	0.0499
1527	11.6	11.8	0.6603	-0.0121	0.0962	0.7445	0.0144	-0.0226	0.0608	0.0526
1528	11.6	11.8	0.6606	-0.012	0.0957	0.7443	0.0432	-0.0248	0.0269	0.0453
1529	11.6	11.7	0.6607	-0.0117	0.0953	0.7443	0.081	-0.0255	-0.0078	0.0476
1530	11.8	11.8	0.6593	-0.0112	0.096	0.7441	0.0847	-0.0262	-0.0093	0.0491
1531	11.3	11.8	0.6569	-0.0108	0.0976	0.7437	0.0581	-0.0231	0.0161	0.0511
1532	12.1	11.8	0.6569	-0.011	0.0971	0.743	0.0396	-0.0133	0.038	0.0643
1533	12.3	11.8	0.6592	-0.0111	0.0938	0.742	0.0355	0.0008	0.0312	0.0675
1534	11.6	11.9	0.6605	-0.0111	0.0923	0.7417	0.0352	0.0047	0.0224	0.0622
1535	12.1	11.9	0.6629	-0.0111	0.0907	0.7425	0.0369	0.0087	0.0048	0.0504
1536	12.4	12	0.6653	-0.0112	0.0886	0.7427	0.0472	0.0116	-0.0073	0.0516
1537	12.3	12	0.6664	-0.0113	0.0873	0.7424	0.0447	0.0095	-0.0172	0.0371
1538	11.4	12.1	0.6649	-0.0115	0.089	0.7423	0.039	0.0095	-0.0233	0.0252
1539	12.1	12.1	0.6637	-0.0115	0.0901	0.7423	0.0058	0.0116	-0.0033	0.0141
1540	12.5	12.1	0.6635	-0.0117	0.0899	0.7417	-0.0203	0.0141	0.0169	0.0107
1541	12.1	12.1	0.6626	-0.0118	0.0906	0.7413	-0.0247	0.0158	0.0251	0.0162
1542	12	12.1	0.661	-0.0119	0.0927	0.7418	-0.0599	0.015	0.0673	0.0224
1543	12.1	12.1	0.66	-0.0119	0.0942	0.7423	-0.1018	0.0143	0.1202	0.0327
1544	11.9	12.2	0.66	-0.0119	0.0941	0.7422	-0.1094	0.0131	0.1277	0.0315
1545	12.8	12.2	0.6602	-0.0118	0.0937	0.7421	-0.1068	0.0125	0.1207	0.0264

1546	12.5	12.2	0.6614	-0.0118	0.0921	0.7417	-0.0898	0.01	0.1042	0.0244
1547	12.3	12.2	0.6621	-0.0115	0.0921	0.7427	-0.0936	0.0079	0.1073	0.0216
1548	12.2	12.2	0.6593	-0.0113	0.0949	0.7429	-0.0713	0.0076	0.0832	0.0195
1549	11.6	12.2	0.6607	-0.0112	0.0927	0.7422	-0.02	0.008	0.0259	0.0139
1550	11.9	12.2	0.6593	-0.0114	0.0946	0.7426	0.0348	0.0078	-0.0281	0.0145
1551	12.3	12.2	0.66	-0.0116	0.0943	0.7427	0.0254	0.0063	-0.0136	0.0181
1552	12.2	12.2	0.6615	-0.0116	0.0932	0.743	0.0219	0.0025	-0.0085	0.0159
1553	12.5	12.2	0.6607	-0.0115	0.094	0.7432	0.0323	-0.001	-0.0127	0.0187
1554	12.6	12.2	0.6595	-0.0114	0.0952	0.7434	0.0401	-0.001	-0.02	0.0191
1555	12.4	12.2	0.6596	-0.0112	0.0951	0.7436	0.0461	-0.0012	-0.0189	0.026
1556	12.1	12.1	0.6599	-0.0111	0.0948	0.7436	0.0697	-0.0009	-0.0355	0.0333
1557	11.7	12.1	0.6586	-0.0111	0.0965	0.744	0.0426	0	-0.0119	0.0308
1558	11.7	12.1	0.66	-0.0112	0.095	0.7438	0.0502	-0.0017	-0.0259	0.0226
1559	12.5	12.1	0.6622	-0.0114	0.0926	0.7435	0.061	-0.002	-0.0398	0.0192
1560	12.2	12.1	0.6632	-0.0115	0.0903	0.742	0.0353	-0.0006	-0.0036	0.0311
1561	12.7	12.1	0.6637	-0.0116	0.0898	0.7418	-0.0187	0.0006	0.0645	0.0464
1562	11.7	12.1	0.6621	-0.0118	0.0906	0.7409	-0.0485	0.001	0.0946	0.0471
1563	12	12.1	0.6596	-0.012	0.0938	0.7415	-0.0691	0.0005	0.1149	0.0463
1564	11.6	12.1	0.6622	-0.0121	0.0908	0.741	-0.082	-0.0005	0.1274	0.0449
1565	11.8	12.1	0.6648	-0.0122	0.0878	0.7404	-0.0789	-0.001	0.121	0.041
1566	11.8	12.1	0.6661	-0.012	0.0858	0.7399	-0.074	-0.0001	0.1191	0.045
1567	12.3	12.1	0.667	-0.0121	0.0848	0.7397	-0.0706	0.0018	0.1238	0.055
1568	12.3	12.1	0.6653	-0.0121	0.0858	0.739	-0.074	0.0044	0.1392	0.0696
1569	11.9	12.1	0.662	-0.012	0.0887	0.7387	-0.0705	0.0067	0.1414	0.0776
1570	12	12.1	0.6601	-0.012	0.0912	0.7394	-0.0672	0.0057	0.1249	0.0634
1571	12.1	12.1	0.6602	-0.0119	0.0913	0.7397	-0.0709	0.0053	0.1241	0.0585
1572	12.6	12.1	0.6632	-0.0118	0.0892	0.7406	-0.0605	0.0066	0.1177	0.0638
1573	12.5	12.1	0.6639	-0.0115	0.0892	0.7416	-0.1116	0.0036	0.1678	0.0598
1574	12	12.1	0.6622	-0.0114	0.0915	0.7423	-0.1164	0.0063	0.1687	0.0586
1575	12.4	12.2	0.6614	-0.0115	0.0926	0.7425	-0.0872	0.0084	0.1396	0.0608
1576	12	12.2	0.6605	-0.0116	0.0924	0.7414	-0.0543	0.0046	0.1061	0.0564
1577	12.2	12.2	0.6585	-0.0115	0.0949	0.7418	-0.0367	0.0031	0.0933	0.0597
1578	11.8	12.2	0.6559	-0.0116	0.097	0.7413	-0.0375	0.0025	0.0915	0.0565
1579	11.9	12.2	0.657	-0.0117	0.0956	0.7408	-0.0343	0.0006	0.0816	0.0479
1580	12.5	12.2	0.6596	-0.0118	0.0932	0.7409	-0.038	0.0045	0.0757	0.0422
1581	12.3	12.2	0.6613	-0.012	0.0916	0.7409	-0.0492	0.0103	0.0769	0.038
1582	12	12.2	0.6617	-0.0122	0.0913	0.7407	-0.0681	0.0125	0.0871	0.0315

1583	12.1	12.2	0.6618	-0.0122	0.0914	0.741	-0.081	0.0098	0.0971	0.026
1584	12.3	12.2	0.662	-0.0124	0.0913	0.741	-0.0689	0.0094	0.08	0.0205
1585	12.6	12.2	0.6617	-0.0128	0.0916	0.7405	-0.0537	0.0093	0.0641	0.0197
1586	12.9	12.2	0.6625	-0.0129	0.0916	0.7412	-0.0265	0.008	0.0455	0.027
1587	12.1	12.2	0.6627	-0.0128	0.0921	0.742	0.0185	0.007	0.0082	0.0337
1588	12.1	12.2	0.6628	-0.0129	0.0934	0.7433	0.0404	0.0059	-0.0096	0.0368
1589	11.8	12.2	0.6631	-0.013	0.0933	0.7435	0.0086	0.0025	0.0229	0.0341
1590	12	12.2	0.6634	-0.0131	0.0927	0.743	0.0168	0.0017	0.0209	0.0393
1591	12.2	12.1	0.6653	-0.013	0.0906	0.743	0.0343	0.0004	0.0012	0.0359
1592	12.3	12.1	0.6668	-0.0128	0.0882	0.7422	0.0343	-0.0005	-0.0064	0.0274
1593	12.3	12.1	0.6674	-0.0127	0.0872	0.742	0.0246	-0.001	0.0074	0.031
1594	12.2	12.1	0.668	-0.0125	0.0867	0.7422	0.0043	0	0.0321	0.0363
1595	11.8	12.1	0.6682	-0.0123	0.0866	0.7425	-0.0319	-0.0007	0.0659	0.0334
1596	11.8	12	0.6678	-0.0121	0.087	0.7427	-0.0453	0.0007	0.0761	0.0315
1597	12	12	0.6678	-0.0121	0.0868	0.7425	-0.0275	-0.0003	0.0597	0.0319
1598	12.1	12	0.6652	-0.0122	0.0894	0.7424	-0.0115	0.0053	0.0536	0.0473
1599	12.1	12	0.6617	-0.0122	0.0928	0.7423	-0.0271	0.0072	0.0737	0.0538
1600	12	12	0.6636	-0.0122	0.0908	0.7421	-0.001	0.007	0.0457	0.0517
1601	11.7	11.9	0.6644	-0.012	0.09	0.7425	-0.0217	0.0052	0.0683	0.0518
1602	11.9	11.9	0.6636	-0.0116	0.09	0.742	-0.0189	0.0033	0.0675	0.052
1603	12	11.8	0.6625	-0.0116	0.0906	0.7415	-0.006	0.0045	0.0599	0.0584
1604	12.2	11.8	0.6613	-0.0116	0.091	0.7407	-0.0232	0.0032	0.0792	0.0592
1605	12.1	11.8	0.6591	-0.0117	0.0928	0.7402	-0.0425	0.0033	0.1036	0.0645
1606	11.5	11.7	0.658	-0.0117	0.0944	0.7407	-0.048	0.0036	0.1122	0.0678
1607	11.9	11.7	0.6577	-0.0116	0.0952	0.7414	-0.0513	0.002	0.1125	0.0632
1608	11.7	11.7	0.6571	-0.0116	0.0959	0.7414	-0.0743	0.0026	0.136	0.0643
1609	11.8	11.6	0.6596	-0.0118	0.093	0.7408	-0.0366	0.0012	0.0977	0.0623
1610	11.3	11.6	0.6627	-0.0118	0.0888	0.7397	0.0147	0.0002	0.0438	0.0587
1611	11.4	11.5	0.6651	-0.0118	0.0863	0.7396	0.0385	0.0007	0.0025	0.0417
1612	11.3	11.5	0.6651	-0.0119	0.0865	0.7397	0.0472	-0.0008	-0.0112	0.0352
1613	11.3	11.5	0.6646	-0.0118	0.087	0.7398	0.0495	-0.0017	-0.0282	0.0195
1614	11.6	11.5	0.664	-0.0117	0.0875	0.7398	0.0181	-0.0036	0.0118	0.0262
1615	11.4	11.5	0.6629	-0.0118	0.0886	0.7397	0.0462	-0.0041	-0.0196	0.0226
1616	11.2	11.5	0.6621	-0.0119	0.0899	0.7401	0.0627	-0.0047	-0.0384	0.0195
1617	11.1	11.5	0.6631	-0.0121	0.0892	0.7401	0.0571	-0.0022	-0.0374	0.0174
1618	11.1	11.5	0.6656	-0.0123	0.0862	0.7396	0.0481	-0.0024	-0.0301	0.0156
1619	11.4	11.5	0.6661	-0.0122	0.086	0.7399	0.0227	-0.005	-0.0086	0.0091

1620	11.4	11.5	0.6671	-0.012	0.0848	0.7399	-0.0015	-0.0048	0.0083	0.002
1621	11.8	11.5	0.6662	-0.012	0.0848	0.7391	-0.0252	-0.0053	0.0406	0.0101
1622	11.7	11.5	0.6661	-0.0119	0.0846	0.7388	-0.0345	-0.0048	0.0572	0.0179
1623	11.8	11.5	0.6657	-0.0122	0.0851	0.7386	-0.0055	-0.0034	0.0377	0.0288
1624	11.6	11.5	0.6646	-0.0126	0.0864	0.7383	0.0159	0.0002	0.0179	0.034
1625	12.1	11.5	0.6636	-0.0124	0.0877	0.7389	0.0072	0.002	0.0264	0.0356
1626	12	11.6	0.6635	-0.0123	0.0876	0.7388	-0.0231	0.0011	0.0579	0.0359
1627	11.4	11.6	0.6641	-0.0123	0.0871	0.7389	-0.0326	0.0033	0.0551	0.0258
1628	11.2	11.7	0.664	-0.0121	0.0875	0.7395	-0.051	0.0041	0.0766	0.0297
1629	11.3	11.7	0.6645	-0.0121	0.0878	0.7401	-0.0735	0.0033	0.0972	0.027
1630	11.6	11.7	0.6642	-0.0122	0.0883	0.7403	-0.0685	0.0009	0.09	0.0224
1631	11.7	11.8	0.6637	-0.0121	0.0889	0.7405	-0.0563	-0.001	0.0773	0.0199
1632	11.4	11.7	0.665	-0.012	0.0874	0.7404	-0.0347	-0.0033	0.0573	0.0193
1633	11.5	11.7	0.6661	-0.012	0.0858	0.7399	-0.0209	-0.005	0.0515	0.0256
1634	11.9	11.7	0.6659	-0.012	0.0859	0.7398	0.0037	-0.005	0.0312	0.0299
1635	12	11.7	0.6655	-0.0119	0.0862	0.7398	0.0051	-0.007	0.0324	0.0305
1636	12.2	11.7	0.6634	-0.0119	0.0878	0.7393	-0.0258	-0.0098	0.0622	0.0265
1637	11.6	11.8	0.6623	-0.0119	0.0883	0.7388	-0.0332	-0.0116	0.0786	0.0339
1638	12	11.8	0.664	-0.0118	0.0867	0.7389	-0.0253	-0.0116	0.0764	0.0394
1639	12.2	11.8	0.6621	-0.0117	0.088	0.7384	-0.016	-0.0112	0.0778	0.0505
1640	12.4	11.9	0.66	-0.0117	0.0898	0.7381	-0.0186	-0.0106	0.0869	0.0577
1641	11.3	11.9	0.6592	-0.0118	0.0912	0.7386	-0.0139	-0.0109	0.0884	0.0635
1642	11.9	11.9	0.6585	-0.0118	0.092	0.7387	0.0193	-0.0106	0.0543	0.063
1643	11.6	11.9	0.6596	-0.0119	0.091	0.7387	0.0757	-0.0093	-0.0241	0.0422
1644	11.7	12	0.6632	-0.0118	0.0875	0.7389	0.0887	-0.0078	-0.038	0.0429
1645	12.1	12	0.6648	-0.0119	0.0861	0.739	0.0775	-0.0057	-0.0154	0.0564
1646	12	12	0.6641	-0.0118	0.0862	0.7385	0.0669	-0.0024	0.0002	0.0647
1647	12.1	12	0.6632	-0.012	0.0868	0.738	0.0601	0	0.0113	0.0714
1648	12	12	0.662	-0.012	0.0875	0.7375	0.0604	0.0003	0.0119	0.0726
1649	11.8	12	0.6608	-0.0119	0.0882	0.737	0.0353	0.0012	0.0342	0.0707
1650	12.2	12	0.6615	-0.0119	0.0878	0.7374	0.0072	0.0017	0.064	0.0729
1651	12.2	12	0.6619	-0.012	0.0875	0.7375	0.029	0.0027	0.0407	0.0724
1652	11.8	12	0.6621	-0.0121	0.0872	0.7372	0.0421	0.0064	0.0253	0.0738
1653	12	12	0.663	-0.0119	0.0861	0.7373	0.0485	0.0115	0.0089	0.0689
1654	12.1	12	0.6638	-0.0117	0.0849	0.7369	0.0416	0.012	0.0013	0.0548
1655	12.1	12.1	0.6644	-0.0115	0.0839	0.7368	0.0152	0.013	0.0136	0.0418
1656	11.7	12.1	0.665	-0.0113	0.0836	0.7373	-0.0301	0.0138	0.0535	0.0372

1657	12	12.1	0.666	-0.0114	0.0829	0.7375	-0.0599	0.0163	0.0869	0.0433
1658	12.2	12.1	0.6636	-0.0113	0.0853	0.7375	-0.0733	0.0201	0.1058	0.0526
1659	12.3	12	0.6608	-0.0114	0.0882	0.7376	-0.0844	0.0157	0.1218	0.0531
1660	12.2	12	0.6593	-0.0116	0.0901	0.7378	-0.0766	0.0055	0.1122	0.0411
1661	11.8	12	0.6589	-0.0115	0.0909	0.7383	-0.0621	0.0005	0.0819	0.0204
1662	12.1	12	0.6571	-0.0116	0.0935	0.739	-0.0325	0.003	0.0599	0.0304
1663	12.1	12	0.6578	-0.0116	0.0926	0.7388	-0.034	0.0047	0.0615	0.0321
1664	12.5	12	0.6576	-0.0117	0.0928	0.7387	-0.0334	0.0056	0.0569	0.0291
1665	12.2	12	0.6585	-0.0117	0.0916	0.7384	-0.0199	0.0063	0.043	0.0295
1666	11.8	12	0.6604	-0.0118	0.0896	0.7382	-0.0124	0.0063	0.0357	0.0296
1667	11.8	12	0.6622	-0.0118	0.0878	0.7382	-0.0381	0.0064	0.0564	0.0247
1668	11.7	12	0.663	-0.0116	0.0867	0.7381	-0.0286	0.0064	0.0414	0.0192
1669	11.6	11.9	0.6621	-0.0115	0.0879	0.7385	0.0033	0.0079	0.0004	0.0116
1670	11.9	11.9	0.6627	-0.0114	0.0871	0.7383	0.006	0.0115	-0.0021	0.0154
1671	11.8	11.9	0.6637	-0.0114	0.0856	0.7379	0.0087	0.0112	-0.0047	0.0151
1672	11.7	12	0.6637	-0.0114	0.0854	0.7377	0.0033	0.0083	-0.0077	0.0039
1673	12.2	12	0.6623	-0.0115	0.0874	0.7382	0.0108	0.0112	-0.0303	-0.0082
1674	12.1	11.9	0.6615	-0.0116	0.0889	0.7387	-0.0149	0.0065	-0.0135	-0.0219
1675	11.4	11.9	0.6637	-0.0116	0.0868	0.7389	-0.0409	0.0002	0.0325	-0.0083
1676	11.8	12	0.6638	-0.0119	0.0869	0.7388	-0.0612	0.0028	0.0648	0.0065
1677	12.1	12	0.6636	-0.0119	0.0872	0.7389	-0.0725	0.0046	0.0848	0.017
1678	11.9	12	0.6632	-0.0119	0.0873	0.7386	-0.0629	0.0062	0.0792	0.0224
1679	11.8	12	0.6639	-0.0118	0.0866	0.7386	-0.0623	0.0097	0.085	0.0324
1680	12.3	12	0.6652	-0.0117	0.0854	0.739	-0.0684	0.0093	0.1001	0.041
1681	12.5	12.1	0.6648	-0.0117	0.0858	0.7389	-0.0814	0.0084	0.1158	0.0427
1682	12.4	12.1	0.6637	-0.0117	0.0861	0.7382	-0.0851	0.011	0.1255	0.0514
1683	11.8	12.1	0.6614	-0.0117	0.0883	0.738	-0.0697	0.0093	0.1149	0.0545
1684	11.8	12.1	0.6615	-0.0117	0.0881	0.7379	-0.0512	0.0086	0.0936	0.051
1685	12.4	12.2	0.6643	-0.0118	0.0854	0.7378	-0.0526	0.0087	0.0971	0.0532
1686	12.4	12.2	0.6658	-0.0117	0.0837	0.7378	-0.0494	0.0106	0.0938	0.055
1687	12.2	12.1	0.6652	-0.0116	0.0844	0.738	-0.0517	0.01	0.0889	0.0472
1688	12.1	12.2	0.6644	-0.0118	0.0856	0.7382	-0.0395	0.0096	0.0685	0.0385
1689	12.1	12.2	0.665	-0.0119	0.0846	0.7377	-0.0024	0.0111	0.0311	0.0399
1690	12.2	12.2	0.6648	-0.012	0.0839	0.7367	-0.0092	0.0117	0.0304	0.0329
1691	12	12.2	0.6634	-0.0119	0.0852	0.7367	-0.041	0.01	0.0577	0.0266
1692	12.4	12.2	0.6593	-0.0119	0.0906	0.738	-0.0797	0.0108	0.1054	0.0366
1693	12.3	12.2	0.6586	-0.0119	0.091	0.7377	-0.0873	0.011	0.1127	0.0364

1694	12.2	12.3	0.6603	-0.012	0.0883	0.7366	-0.0899	0.0073	0.1173	0.0346
1695	11.9	12.2	0.6615	-0.0121	0.0866	0.7361	-0.0661	0.0075	0.0972	0.0386
1696	11.9	12.2	0.6618	-0.0121	0.0859	0.7356	-0.0615	0.0071	0.0947	0.0403
1697	12.3	12.2	0.6618	-0.0122	0.0856	0.7352	-0.0782	0.0084	0.1043	0.0345
1698	12.6	12.3	0.6617	-0.0123	0.0859	0.7353	-0.0881	0.0075	0.1137	0.0332
1699	12.4	12.3	0.661	-0.0124	0.0864	0.735	-0.0842	0.0048	0.103	0.0237
1700	12.1	12.3	0.6607	-0.0125	0.0867	0.7349	-0.1037	0.006	0.1143	0.0166
1701	12.5	12.3	0.6602	-0.0126	0.0875	0.7351	-0.0904	0.0077	0.1077	0.025
1702	12.5	12.2	0.6588	-0.0127	0.0891	0.7351	-0.0854	0.0096	0.1041	0.0283
1703	12.3	12.2	0.6583	-0.0128	0.0905	0.736	-0.0948	0.0091	0.1117	0.026
1704	12.2	12.2	0.6598	-0.0129	0.0896	0.7365	-0.0803	0.0124	0.1032	0.0353
1705	12.2	12.2	0.6621	-0.0131	0.0875	0.7365	-0.0582	0.015	0.0796	0.0365
1706	12.4	12.2	0.664	-0.0133	0.0857	0.7364	-0.0437	0.0162	0.0568	0.0294
1707	12.7	12.1	0.6651	-0.0136	0.0847	0.7361	-0.0292	0.0168	0.0483	0.0359
1708	12.3	12	0.6656	-0.0132	0.0837	0.7361	-0.0218	0.0152	0.0443	0.0377
1709	11.7	12	0.6673	-0.0124	0.0817	0.7367	-0.0477	0.0156	0.0744	0.0422
1710	12	12	0.6689	-0.0119	0.0806	0.7376	-0.0834	0.0122	0.1114	0.0402
1711	11.8	11.9	0.6683	-0.0121	0.0803	0.7365	-0.076	0.0103	0.0964	0.0307
1712	12	11.8	0.6685	-0.0123	0.0804	0.7365	-0.0605	0.0094	0.0867	0.0357
1713	12	11.8	0.6679	-0.0124	0.0813	0.7368	-0.089	0.0098	0.1332	0.0539
1714	11.8	11.7	0.6659	-0.0123	0.0832	0.7368	-0.0922	0.0101	0.1379	0.0558
1715	11.7	11.7	0.6642	-0.0124	0.085	0.7367	-0.0931	0.008	0.1339	0.0488
1716	11.1	11.6	0.6659	-0.0126	0.0843	0.7376	-0.0825	0.007	0.1194	0.0439
1717	11.2	11.5	0.6659	-0.0128	0.085	0.7382	-0.0548	0.0062	0.0971	0.0485
1718	11.6	11.5	0.6653	-0.0131	0.0862	0.7384	-0.0363	0.0054	0.0819	0.051
1719	11.2	11.4	0.6655	-0.0133	0.0862	0.7384	-0.0289	0.0059	0.0752	0.0523
1720	11.1	11.4	0.6662	-0.0131	0.0853	0.7384	-0.0065	0.0058	0.0616	0.0608
1721	11.5	11.4	0.6659	-0.0128	0.0856	0.7387	0.0064	0.0056	0.0435	0.0555
1722	11.1	11.4	0.6651	-0.0131	0.0876	0.7396	-0.0013	0.0087	0.0451	0.0525
1723	11.7	11.4	0.6672	-0.0129	0.0864	0.7408	-0.0114	0.0061	0.0529	0.0476
1724	11.5	11.4	0.6687	-0.0126	0.0831	0.7392	-0.0256	0.0048	0.0541	0.0333
1725	10.7	11.4	0.6697	-0.0127	0.0812	0.7383	-0.032	0.004	0.0492	0.0212
1726	11	11.3	0.6708	-0.0128	0.0791	0.7371	-0.0064	0.0047	0.0093	0.0075
1727	11.2	11.3	0.6704	-0.0129	0.0792	0.7366	0.0221	0.0025	-0.0114	0.0132
1728	11.3	11.3	0.6703	-0.013	0.079	0.7363	0.0614	0.0033	-0.0388	0.0258
1729	11.3	11.3	0.6713	-0.0131	0.0778	0.736	0.0843	0.004	-0.0619	0.0264
1730	11.6	11.4	0.6724	-0.013	0.0767	0.736	0.0936	0.0039	-0.0683	0.0292

1731	12	11.3	0.6722	-0.0132	0.0764	0.7354	0.0853	0.0033	-0.054	0.0346
1732	11.4	11.3	0.6719	-0.0129	0.0759	0.7349	0.0506	0.0017	-0.0217	0.0306
1733	11.9	11.3	0.6712	-0.0129	0.0765	0.7348	0.0191	0.0008	0.0123	0.0323
1734	11.4	11.3	0.6712	-0.0129	0.0762	0.7345	-0.0274	0.0002	0.0638	0.0366
1735	10.9	11.3	0.6705	-0.013	0.0768	0.7343	-0.0395	0.0019	0.0775	0.0399
1736	10.9	11.4	0.6686	-0.0129	0.0789	0.7346	-0.0256	-0.0004	0.0604	0.0344
1737	11.1	11.4	0.6663	-0.0128	0.0815	0.7349	-0.019	0.0016	0.0645	0.0471
1738	11.5	11.4	0.6643	-0.0129	0.0836	0.7349	-0.0344	0.0043	0.0794	0.0493
1739	11.7	11.4	0.663	-0.0129	0.085	0.7351	-0.0466	0.0034	0.0943	0.051
1740	10.9	11.4	0.6641	-0.0127	0.0841	0.7355	-0.0293	0.0018	0.076	0.0485
1741	11	11.4	0.6671	-0.0129	0.0807	0.7349	-0.0223	0.0018	0.0621	0.0416
1742	11.5	11.4	0.6672	-0.0129	0.0807	0.7351	-0.0466	0.0024	0.0863	0.042
1743	11.5	11.4	0.6686	-0.0126	0.0793	0.7352	-0.1	0.0014	0.1563	0.0577
1744	11.4	11.4	0.6698	-0.0126	0.0778	0.735	-0.1088	0.002	0.1589	0.0522
1745	11.5	11.5	0.6709	-0.0126	0.0766	0.735	-0.0811	0.0023	0.1176	0.0387
1746	11.6	11.5	0.6719	-0.0127	0.0757	0.735	-0.0573	0.0014	0.0949	0.039
1747	11.4	11.5	0.672	-0.0128	0.0754	0.7347	-0.0571	0.0006	0.0964	0.0399
1748	11.3	11.5	0.6704	-0.0125	0.0772	0.7351	-0.0543	-0.0022	0.0935	0.0371
1749	11.5	11.5	0.6711	-0.0125	0.0767	0.7354	-0.0541	-0.0063	0.0986	0.0382
1750	12.2	11.5	0.6705	-0.0127	0.077	0.7349	-0.0457	-0.008	0.0906	0.0369
1751	12	11.6	0.6705	-0.0129	0.0771	0.7347	-0.0534	-0.0099	0.0929	0.0297
1752	11.4	11.6	0.6715	-0.013	0.0761	0.7346	-0.0592	-0.0109	0.1019	0.0317
1753	11.4	11.6	0.6711	-0.0131	0.0758	0.7338	-0.0744	-0.0127	0.1193	0.0323
1754	11.7	11.6	0.6696	-0.0132	0.0769	0.7333	-0.0798	-0.0133	0.1352	0.042
1755	11.5	11.6	0.6688	-0.0131	0.0782	0.7338	-0.0653	-0.0145	0.1274	0.0476
1756	11.7	11.7	0.6679	-0.013	0.0788	0.7337	-0.0414	-0.0165	0.106	0.0481
1757	12.1	11.7	0.6682	-0.0129	0.0785	0.7338	-0.0213	-0.0194	0.0882	0.0475
1758	11.4	11.7	0.6684	-0.0129	0.0778	0.7333	-0.0104	-0.0228	0.0781	0.0448
1759	11.1	11.8	0.6691	-0.0126	0.0771	0.7336	-0.0053	-0.0181	0.0689	0.0455
1760	11.7	11.7	0.6669	-0.0126	0.0804	0.7348	0.0136	-0.0093	0.0477	0.052
1761	11.8	11.7	0.665	-0.0125	0.0822	0.7347	0.0318	-0.0042	0.0356	0.0632
1762	11.7	11.7	0.666	-0.0126	0.0801	0.7336	0.0254	-0.0066	0.0329	0.0517
1763	11.7	11.7	0.667	-0.0126	0.0788	0.7332	0.0279	-0.0092	0.0337	0.0523
1764	11.9	11.7	0.6669	-0.0125	0.0794	0.7339	0.0213	-0.0097	0.0449	0.0565
1765	12	11.7	0.6668	-0.0124	0.0797	0.734	-0.0011	-0.0096	0.0674	0.0567
1766	12.1	11.7	0.6659	-0.0124	0.0799	0.7334	-0.022	-0.0108	0.0893	0.0565
1767	11.9	11.7	0.6658	-0.0124	0.0796	0.7331	-0.0014	-0.0128	0.0818	0.0676

1768	12.3	11.7	0.6659	-0.0122	0.0792	0.7329	-0.0011	-0.0149	0.0919	0.0758
1769	11.8	11.8	0.6628	-0.0121	0.0817	0.7324	-0.0095	-0.0188	0.1072	0.0789
1770	11.6	11.8	0.662	-0.012	0.0828	0.7328	-0.0063	-0.0222	0.1083	0.0799
1771	11.3	11.8	0.6638	-0.0123	0.0811	0.7326	0.0023	-0.0201	0.0987	0.0809
1772	11.8	11.9	0.6648	-0.012	0.0801	0.7329	-0.0021	-0.0166	0.1039	0.0852
1773	11.4	11.9	0.6648	-0.012	0.082	0.7349	-0.0125	-0.0199	0.1307	0.0983
1774	11.9	11.9	0.6647	-0.012	0.0839	0.7366	0.0152	-0.0178	0.1174	0.1148
1775	11.4	11.9	0.6643	-0.0121	0.0859	0.7381	0.0344	-0.0145	0.075	0.095
1776	11.7	11.9	0.6616	-0.0122	0.0881	0.7375	0.049	-0.0157	0.051	0.0843
1777	11.9	11.9	0.6575	-0.0123	0.0911	0.7363	0.0637	-0.017	0.0233	0.0699
1778	12.1	11.9	0.6548	-0.0123	0.0935	0.736	0.0596	-0.0193	0.0242	0.0645
1779	12.2	11.9	0.6545	-0.0122	0.0934	0.7357	0.0589	-0.0214	0.0226	0.0602
1780	12.1	11.9	0.6567	-0.012	0.0908	0.7355	0.0742	-0.0219	0.0051	0.0574
1781	12.4	12	0.6597	-0.0119	0.088	0.7359	0.0902	-0.0219	-0.0098	0.0585
1782	12.5	12	0.6618	-0.0118	0.0849	0.735	0.0891	-0.0244	-0.0147	0.0501
1783	12.4	12	0.6641	-0.0117	0.0819	0.7344	0.0866	-0.0209	-0.0213	0.0444
1784	12.3	12	0.6655	-0.0119	0.0803	0.7339	0.0777	-0.0207	-0.0139	0.0431
1785	11.8	12	0.6669	-0.0118	0.0793	0.7344	0.0777	-0.0211	-0.0185	0.0382
1786	11.8	12	0.6677	-0.0119	0.0772	0.7331	0.0683	-0.0223	-0.0095	0.0364
1787	12.5	12	0.6687	-0.0121	0.0765	0.7331	0.0402	-0.0217	0.0232	0.0417
1788	11.6	12	0.669	-0.0121	0.0762	0.7331	0.0038	-0.0211	0.0644	0.0471
1789	12	12	0.6679	-0.0121	0.077	0.7329	-0.0288	-0.0224	0.0995	0.0483
1790	12	12	0.667	-0.0122	0.0776	0.7325	-0.0503	-0.0223	0.1241	0.0515
1791	12	11.9	0.6681	-0.0121	0.0765	0.7325	-0.0319	-0.02	0.1109	0.0591
1792	11.8	11.9	0.6693	-0.012	0.075	0.7322	0.0185	-0.0233	0.056	0.0511
1793	11.5	11.8	0.6694	-0.0121	0.0751	0.7325	0.0206	-0.024	0.0573	0.054
1794	11.5	11.8	0.6684	-0.0122	0.0765	0.7327	0.0443	-0.0196	0.0333	0.058
1795	11.6	11.8	0.6672	-0.0122	0.0771	0.7322	0.067	-0.0186	0.007	0.0554
1796	12.2	11.7	0.6675	-0.0122	0.0762	0.7316	0.0886	-0.0198	-0.0137	0.0551
1797	11.8	11.7	0.6672	-0.012	0.0763	0.7315	0.1093	-0.0213	-0.0308	0.0573
1798	11.6	11.8	0.6671	-0.0117	0.0761	0.7315	0.1133	-0.0236	-0.0381	0.0516
1799	11.7	11.7	0.6656	-0.0116	0.0774	0.7313	0.0842	-0.019	-0.0041	0.0611
1800	11.7	11.7	0.666	-0.0115	0.0774	0.7319	0.1001	-0.0194	-0.0131	0.0676