Test Name	**OSB, MW, rep 1**
Cladding	**Oriented Strand Board (OSB)**
Cladding Thickness [mm]	**11**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
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 and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 6 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. At approximately 8 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]	**155**
Time to Peak HRR [mins]	**6.5**
Residual HRR [kW]	**4.22**
Total HR [MJ]	**59.2**
Peak dQ/dt [kW/s]	**1.22**
Time to Peak dQ/dt [s]	**4.77**

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	-0.0623	-0.0623	4.0882	2.8091	-0.0003	6.897	0.2917	0.11	0.0203	0.422
1	0.204	0.0985	4.0877	2.8082	-0.0014	6.8945	0.3002	0.1083	0.0208	0.4293
2	0.154	0.19	4.0879	2.8069	-0.002	6.8928	0.3253	0.1044	0.0186	0.4482
3	0.204	0.346	4.0893	2.8054	-0.0019	6.8928	0.3369	0.104	0.0183	0.4591
4	0.448	0.538	4.0899	2.805	-0.0008	6.894	0.3579	0.0988	0.0202	0.477
5	0.633	0.769	4.0911	2.8051	-0.0005	6.8956	0.3751	0.0981	0.023	0.4962
6	0.845	1.16	4.0911	2.8052	-0.0006	6.8957	0.3961	0.0938	0.0219	0.5119
7	1.11	1.66	4.0915	2.8052	-0.0005	6.8961	0.4027	0.0884	0.0211	0.5123
8	1.3	2.23	4.0915	2.8056	-0.0006	6.8965	0.4153	0.0849	0.0253	0.5255
9	1.66	2.78	4.0912	2.8055	-0.0007	6.8961	0.4285	0.0793	0.0272	0.535
10	1.96	3.22	4.0904	2.8055	-0.0007	6.8952	0.4409	0.0801	0.0249	0.5459
11	2.89	3.65	4.0907	2.8059	-0.0007	6.8959	0.4526	0.0807	0.0267	0.5599
12	3.76	4.1	4.0938	2.8056	-0.0007	6.8987	0.463	0.0794	0.0283	0.5707
13	4.48	4.56	4.0976	2.8053	-0.0007	6.9022	0.4856	0.0797	0.028	0.5932
14	5.34	5.03	4.0998	2.8055	-0.0008	6.9045	0.4934	0.0764	0.0275	0.5974
15	6.1	5.5	4.1005	2.8055	-0.0009	6.9052	0.5135	0.0841	0.0275	0.6251
16	6.9	5.97	4.1003	2.8056	-0.001	6.9049	0.5218	0.0852	0.0277	0.6347
17	7.46	6.45	4.0999	2.8058	-0.0011	6.9045	0.5307	0.0877	0.0257	0.644
18	7.44	6.91	4.099	2.8059	-0.0014	6.9035	0.5373	0.093	0.0229	0.6533
19	8.27	7.35	4.0967	2.806	-0.0015	6.9012	0.5484	0.1002	0.0194	0.6681
20	8.35	7.79	4.0942	2.8069	-0.0014	6.8996	0.5607	0.0959	0.0149	0.6715
21	8.75	8.19	4.0926	2.8068	-0.0014	6.898	0.5632	0.0907	0.0124	0.6663
22	8.87	8.5	4.0907	2.8071	-0.0013	6.8965	0.5553	0.0879	0.0133	0.6565
23	9.4	8.76	4.0897	2.8068	-0.0014	6.8951	0.5305	0.0852	0.0132	0.629
24	9.65	8.98	4.0891	2.8064	-0.0013	6.8943	0.4802	0.0847	0.016	0.581
25	9.75	9.16	4.0888	2.8063	-0.0012	6.8938	0.4553	0.0894	0.0187	0.5634
26	10.1	9.31	4.088	2.8061	-0.0011	6.893	0.4432	0.0908	0.0213	0.5553
27	10.1	9.43	4.0879	2.8061	-0.0011	6.8929	0.4741	0.0855	0.0239	0.5835
28	10	9.54	4.0882	2.8056	-0.001	6.8927	0.4998	0.0824	0.0252	0.6073

29	10.3	9.64	4.0881	2.8051	-0.0011	6.8921	0.5352	0.0778	0.0256	0.6386
30	10.4	9.74	4.0882	2.8047	-0.0011	6.8918	0.568	0.0753	0.0241	0.6674
31	9.76	9.81	4.0883	2.8046	-0.001	6.8919	0.5962	0.0811	0.0211	0.6984
32	9.46	9.89	4.0878	2.8049	-0.0011	6.8916	0.6211	0.0852	0.0235	0.7298
33	9.47	9.96	4.0866	2.8049	-0.001	6.8905	0.6474	0.0893	0.0225	0.7592
34	9.5	10	4.0849	2.8054	-0.001	6.8894	0.6703	0.0932	0.0223	0.7858
35	9.8	10.1	4.0839	2.8056	-0.001	6.8886	0.6833	0.0932	0.0233	0.7997
36	9.68	10.2	4.0834	2.8055	-0.0009	6.888	0.6917	0.093	0.0237	0.8084
37	9.64	10.4	4.0843	2.8053	-0.0009	6.8887	0.7018	0.0921	0.0222	0.8161
38	10.1	10.5	4.0844	2.8053	-0.0009	6.8888	0.7086	0.0856	0.0207	0.8148
39	10.2	10.6	4.0844	2.8049	-0.001	6.8883	0.7179	0.0809	0.0186	0.8174
40	10.1	10.8	4.0841	2.8043	-0.001	6.8875	0.7233	0.0766	0.0159	0.8158
41	10.3	10.9	4.0841	2.8045	-0.0009	6.8877	0.7306	0.0701	0.015	0.8157
42	10.7	11.1	4.0829	2.8045	-0.0009	6.8865	0.7387	0.0676	0.0139	0.8202
43	11.3	11.3	4.0817	2.8045	-0.0011	6.8851	0.749	0.061	0.0126	0.8225
44	11.5	11.6	4.08	2.8045	-0.0011	6.8834	0.7659	0.0609	0.0124	0.8391
45	11.9	11.8	4.0785	2.8045	-0.001	6.882	0.7716	0.059	0.0133	0.8439
46	12.7	12	4.0775	2.8044	-0.0011	6.8808	0.787	0.0561	0.0135	0.8566
47	12.5	12.2	4.0765	2.8043	-0.0011	6.8797	0.792	0.0527	0.0154	0.86
48	13	12.3	4.0755	2.8044	-0.0011	6.8789	0.8047	0.05	0.0167	0.8714
49	13.2	12.5	4.0743	2.8044	-0.0013	6.8775	0.816	0.0507	0.0183	0.885
50	12.7	12.7	4.0736	2.8044	-0.0013	6.8767	0.8244	0.0508	0.0192	0.8944
51	12.9	12.9	4.072	2.8045	-0.0012	6.8753	0.8369	0.0472	0.0197	0.9038
52	13.5	13.1	4.071	2.8044	-0.0012	6.8742	0.8537	0.0409	0.0094	0.9039
53	14	13.2	4.0695	2.8046	-0.0013	6.8728	0.8685	0.0333	0.0051	0.907
54	13.6	13.4	4.0682	2.8045	-0.0015	6.8713	0.8985	0.0209	0.0058	0.9252
55	13.3	13.5	4.0667	2.8047	-0.0015	6.8699	0.9251	0.0233	0.0176	0.9661
56	13.5	13.6	4.0659	2.8049	-0.0014	6.8694	0.9566	0.0325	0.0202	1.0092
57	13.4	13.7	4.0648	2.805	-0.0017	6.8681	0.9784	0.0362	0.0186	1.0332
58	13.7	13.8	4.0636	2.8052	-0.0018	6.867	0.9952	0.037	0.0201	1.0522
59	13.9	13.8	4.0624	2.8051	-0.0017	6.8658	1.0136	0.0456	0.0193	1.0785
60	14.4	14	4.0613	2.805	-0.0019	6.8644	1.0262	0.0455	0.0165	1.0882
61	14	14	4.0602	2.805	-0.002	6.8632	1.0349	0.0407	0.0167	1.0923
62	13.8	14.1	4.0583	2.8049	-0.002	6.8612	1.0525	0.0443	0.0177	1.1145
63	14.2	14.1	4.0573	2.805	-0.002	6.8603	1.101	0.0445	0.0188	1.1643
64	14.1	14.1	4.0555	2.8045	-0.002	6.8579	1.1572	0.0391	0.0187	1.215
65	14.2	14.2	4.0544	2.8043	-0.0021	6.8567	1.2055	0.0446	0.019	1.2691

66	14.4	14.2	4.0533	2.804	-0.002	6.8554	1.2228	0.045	0.0204	1.2882
67	14.6	14.2	4.0523	2.8036	-0.0018	6.8541	1.2412	0.0458	0.018	1.3049
68	14.8	14.3	4.051	2.803	-0.0016	6.8525	1.2604	0.048	0.0154	1.3239
69	14.9	14.3	4.0496	2.8032	-0.0013	6.8516	1.2752	0.0525	0.0146	1.3423
70	14.6	14.4	4.0489	2.8035	-0.0011	6.8513	1.2736	0.0578	0.014	1.3454
71	14.9	14.5	4.0489	2.8036	-0.0012	6.8513	1.2653	0.0704	0.0144	1.3501
72	14.1	14.7	4.0502	2.8037	-0.0012	6.8526	1.2677	0.0725	0.0147	1.355
73	13.8	14.8	4.0533	2.8037	-0.0014	6.8556	1.2683	0.0764	0.0166	1.3613
74	14.5	15	4.0547	2.8032	-0.0016	6.8563	1.2818	0.0757	0.0171	1.3746
75	13.6	15.1	4.0552	2.803	-0.0019	6.8564	1.2906	0.0779	0.0155	1.384
76	13.9	15.3	4.0524	2.8033	-0.0021	6.8536	1.3074	0.0785	0.0159	1.4018
77	14.3	15.4	4.0499	2.8035	-0.0022	6.8512	1.3211	0.0741	0.0143	1.4095
78	15	15.6	4.0466	2.8038	-0.0023	6.8481	1.3417	0.0666	0.0128	1.4211
79	15.4	15.7	4.0434	2.8039	-0.0022	6.8452	1.3627	0.0547	0.0128	1.4301
80	16.5	15.8	4.0406	2.8034	-0.0019	6.842	1.3844	0.0474	0.0117	1.4435
81	16.6	15.9	4.0379	2.8029	-0.0022	6.8387	1.4082	0.0396	0.011	1.4587
82	17.3	16.1	4.0351	2.8025	-0.0021	6.8356	1.4292	0.0333	0.012	1.4745
83	17	16.3	4.0326	2.8021	-0.0021	6.8326	1.4481	0.036	0.0111	1.4952
84	17.6	16.4	4.0308	2.802	-0.0022	6.8306	1.4607	0.0358	0.0136	1.5101
85	17.4	16.6	4.0294	2.8019	-0.0023	6.829	1.4701	0.044	0.014	1.5281
86	17.1	16.8	4.0278	2.8019	-0.0022	6.8276	1.4843	0.0484	0.014	1.5466
87	17.2	17	4.0265	2.8024	-0.0021	6.8269	1.4907	0.0436	0.0145	1.5488
88	17.5	17.1	4.025	2.8027	-0.0019	6.8258	1.5222	0.044	0.0154	1.5816
89	17	17.3	4.0238	2.803	-0.0017	6.8251	1.5472	0.046	0.0173	1.6104
90	16.5	17.4	4.0224	2.8035	-0.0016	6.8243	1.5726	0.0496	0.0176	1.6397
91	17	17.5	4.0209	2.8037	-0.0015	6.8231	1.5953	0.0484	0.0185	1.6622
92	17.8	17.6	4.0192	2.8043	-0.0014	6.8221	1.6188	0.0489	0.02	1.6877
93	16.9	17.7	4.0169	2.8042	-0.0014	6.8197	1.6339	0.0493	0.0191	1.7023
94	17.5	17.8	4.0156	2.8043	-0.0015	6.8184	1.6483	0.0476	0.017	1.7129
95	17.8	17.9	4.0133	2.8045	-0.0015	6.8163	1.6597	0.0522	0.0165	1.7285
96	18	18.1	4.0121	2.8048	-0.0017	6.8151	1.6711	0.0471	0.0148	1.733
97	17.6	18.2	4.01	2.805	-0.0019	6.8132	1.6873	0.046	0.011	1.7443
98	17.8	18.4	4.0081	2.8049	-0.002	6.8109	1.7186	0.0461	0.0098	1.7745
99	18.3	18.6	4.0064	2.8048	-0.0022	6.8091	1.7306	0.0418	0.0082	1.7806
100	18.7	18.9	4.0045	2.8044	-0.0023	6.8066	1.7408	0.0352	0.0069	1.7829
101	18.8	19	4.0023	2.8041	-0.0024	6.8041	1.7753	0.0366	0.0062	1.8181
102	19.4	19.2	4.001	2.8036	-0.0025	6.8021	1.7937	0.0424	0.0094	1.8456

103	19.9	19.5	3.9994	2.8033	-0.0025	6.8003	1.8185	0.0459	0.0111	1.8755
104	19.9	19.7	3.9974	2.8026	-0.0026	6.7974	1.8504	0.0468	0.0127	1.91
105	20.2	19.8	3.9954	2.8019	-0.0026	6.7947	1.8796	0.0453	0.0158	1.9406
106	20	20	3.9932	2.8016	-0.0024	6.7924	1.913	0.0467	0.0216	1.9813
107	20.9	20.2	3.992	2.8015	-0.0025	6.7909	1.9472	0.0583	0.0245	2.0299
108	20.7	20.3	3.9902	2.801	-0.0025	6.7887	1.9521	0.0806	0.0238	2.0566
109	20.9	20.5	3.9886	2.801	-0.0023	6.7872	1.9754	0.0993	0.018	2.0926
110	20.4	20.6	3.9869	2.8014	-0.0024	6.786	1.9934	0.1044	0.0142	2.1121
111	21.3	20.7	3.9855	2.8015	-0.0025	6.7845	2.0138	0.1008	0.0117	2.1262
112	21.8	20.9	3.9837	2.8011	-0.0026	6.7823	2.035	0.0957	0.0115	2.1422
113	21.2	21.1	3.9819	2.8014	-0.0026	6.7807	2.053	0.0965	0.0115	2.1611
114	21.2	21.2	3.9793	2.801	-0.0027	6.7776	2.0841	0.0967	0.011	2.1919
115	20.4	21.3	3.9782	2.801	-0.0029	6.7763	2.1018	0.0933	0.0108	2.2058
116	21.5	21.5	3.9762	2.801	-0.0028	6.7744	2.1219	0.0953	0.0103	2.2276
117	20.3	21.6	3.9738	2.801	-0.0027	6.7721	2.1484	0.0909	0.0106	2.2499
118	21.1	21.7	3.9715	2.8006	-0.0029	6.7692	2.1683	0.0917	0.012	2.272
119	21.4	21.9	3.9693	2.8002	-0.0029	6.7666	2.194	0.0883	0.0151	2.2975
120	21.3	22.1	3.9676	2.7998	-0.0028	6.7646	2.2386	0.0946	0.0165	2.3497
121	22.9	22.1	3.9658	2.7996	-0.0029	6.7625	2.2666	0.0967	0.02	2.3833
122	22.9	22.2	3.9639	2.7994	-0.003	6.7604	2.311	0.1064	0.0185	2.4359
123	22.3	22.3	3.9615	2.7992	-0.0031	6.7577	2.3726	0.1122	0.0146	2.4994
124	22.9	22.5	3.9601	2.7986	-0.0028	6.7559	2.4474	0.112	0.0122	2.5716
125	22.6	22.7	3.958	2.7984	-0.0028	6.7536	2.5079	0.1086	0.0123	2.6288
126	23.3	22.9	3.9559	2.7987	-0.0026	6.752	2.557	0.1069	0.0127	2.6766
127	23.2	23.2	3.9537	2.7994	-0.0024	6.7508	2.5837	0.1119	0.0128	2.7084
128	24	23.4	3.9519	2.8001	-0.0023	6.7497	2.6018	0.1192	0.012	2.733
129	23.4	23.8	3.9497	2.8003	-0.0023	6.7477	2.6205	0.1208	0.0134	2.7546
130	22.5	24	3.9474	2.8008	-0.0022	6.7459	2.6403	0.1255	0.0154	2.7812
131	22.5	24.3	3.9454	2.8013	-0.0022	6.7444	2.6652	0.1257	0.0184	2.8092
132	24.1	24.6	3.943	2.8013	-0.0022	6.7421	2.6868	0.1183	0.0161	2.8212
133	24.2	24.9	3.9405	2.8014	-0.0024	6.7395	2.7213	0.1126	0.0197	2.8536
134	24.3	25.2	3.9379	2.801	-0.0024	6.7366	2.7509	0.0982	0.02	2.8691
135	25.6	25.6	3.9355	2.8008	-0.0024	6.7339	2.7991	0.0976	0.0205	2.9172
136	25.8	26	3.9344	2.8012	-0.0024	6.7331	2.8433	0.0955	0.0204	2.9592
137	25.9	26.3	3.9321	2.8009	-0.0024	6.7305	2.8753	0.0959	0.0196	2.9909
138	27.7	26.7	3.9296	2.8007	-0.0026	6.7277	2.9278	0.1059	0.0212	3.0549
139	26.8	27.1	3.9271	2.7999	-0.0027	6.7243	2.9649	0.1128	0.0222	3.1

140	27.6	27.5	3.9246	2.7995	-0.0028	6.7213	3.0228	0.1163	0.0243	3.1634
141	28.3	27.9	3.9222	2.7996	-0.0029	6.7189	3.0656	0.1145	0.028	3.2081
142	28.1	28.3	3.9195	2.7996	-0.0028	6.7162	3.1013	0.1179	0.0288	3.248
143	28.8	28.6	3.9168	2.7997	-0.0028	6.7138	3.154	0.1322	0.0297	3.3159
144	30.8	29	3.914	2.7992	-0.0027	6.7105	3.1803	0.1455	0.0279	3.3536
145	30.3	29.3	3.9114	2.7998	-0.0025	6.7087	3.2379	0.1532	0.0241	3.4153
146	29.9	29.8	3.9087	2.7998	-0.0022	6.7063	3.2756	0.1625	0.021	3.4591
147	30.7	30.2	3.9046	2.7997	-0.0021	6.7023	3.3264	0.1684	0.0171	3.5119
148	30.8	30.6	3.9025	2.8002	-0.0019	6.7008	3.3715	0.159	0.0138	3.5443
149	30.4	31	3.9002	2.8009	-0.0019	6.6992	3.4084	0.149	0.0115	3.569
150	31.1	31.4	3.896	2.8007	-0.0019	6.6949	3.465	0.1422	0.0095	3.6167
151	30.6	31.7	3.8926	2.8003	-0.0021	6.6907	3.5058	0.132	0.0073	3.6452
152	30.6	32.1	3.8892	2.7998	-0.0023	6.6867	3.5266	0.1292	0.0063	3.6621
153	30.6	32.5	3.8845	2.7999	-0.0026	6.6818	3.5705	0.1235	0.0061	3.7001
154	32.6	32.8	3.8803	2.8	-0.0031	6.6772	3.6181	0.1204	0.0058	3.7443
155	34	33.1	3.8754	2.8	-0.0036	6.6718	3.6707	0.1204	0.004	3.7951
156	34.7	33.5	3.8712	2.7991	-0.0039	6.6664	3.724	0.1186	0.0051	3.8477
157	34	33.8	3.8696	2.7969	-0.0041	6.6624	3.7811	0.1185	0.0058	3.9054
158	35.3	34.1	3.8661	2.7953	-0.0036	6.6577	3.8499	0.1184	0.0003	3.9686
159	34.9	34.5	3.8631	2.7947	-0.0032	6.6546	3.914	0.1193	-0.0011	4.0322
160	34.7	35	3.8599	2.7949	-0.003	6.6518	3.9775	0.1122	-0.001	4.0887
161	34.5	35.5	3.8567	2.7954	-0.0031	6.649	4.0439	0.1084	-0.0017	4.1506
162	36.3	36.1	3.853	2.7953	-0.0031	6.6451	4.1072	0.1075	-0.0037	4.211
163	36.9	36.7	3.8489	2.7954	-0.0031	6.6411	4.1746	0.1034	-0.0038	4.2741
164	36.9	37.2	3.8453	2.7951	-0.0031	6.6373	4.2452	0.1002	-0.0028	4.3426
165	36.6	37.8	3.8422	2.7948	-0.0031	6.6339	4.3142	0.1002	-0.0022	4.4122
166	36.9	38.5	3.8385	2.795	-0.003	6.6304	4.4089	0.1019	-0.0043	4.5065
167	36.5	39.1	3.8355	2.7944	-0.003	6.6269	4.4576	0.1038	-0.0004	4.561
168	37.7	39.8	3.8316	2.7942	-0.0031	6.6227	4.513	0.1046	0.0031	4.6207
169	40.1	40.6	3.8258	2.7937	-0.0029	6.6166	4.5928	0.1007	0.0026	4.696
170	40.7	41.2	3.8222	2.7938	-0.0031	6.6129	4.6699	0.0917	0.0037	4.7653
171	42.2	41.8	3.8178	2.7929	-0.003	6.6077	4.7518	0.0817	0.0046	4.8381
172	41.8	42.6	3.8129	2.7925	-0.0027	6.6027	4.8226	0.0828	0.0043	4.9097
173	42.6	43.4	3.8086	2.7925	-0.0026	6.5984	4.9115	0.0841	0.0042	4.9998
174	44.8	44.2	3.8039	2.7924	-0.0029	6.5934	4.9748	0.0755	0.0032	5.0535
175	47.4	45.1	3.7995	2.7923	-0.0031	6.5887	5.0592	0.0734	0.0081	5.1407
176	47	46.1	3.794	2.7921	-0.0034	6.5828	5.1534	0.0708	0.0101	5.2343

177	48.1	47.1	3.7897	2.7916	-0.0034	6.5779	5.2169	0.0743	0.0123	5.3035
178	48.9	48.1	3.7845	2.7917	-0.0036	6.5726	5.2934	0.0859	0.015	5.3943
179	46.1	49.2	3.7794	2.7913	-0.0037	6.5671	5.3721	0.0935	0.0175	5.4831
180	47.5	50.1	3.7741	2.7908	-0.0038	6.5611	5.4686	0.0976	0.0202	5.5863
181	51.1	51.1	3.7693	2.7911	-0.0038	6.5566	5.5385	0.111	0.022	5.6715
182	51.8	52.2	3.763	2.7912	-0.0041	6.5502	5.6092	0.1381	0.022	5.7692
183	52.5	53.3	3.7575	2.7923	-0.0041	6.5456	5.6765	0.1481	0.0211	5.8458
184	53.9	54.1	3.7509	2.7922	-0.0043	6.5389	5.7582	0.1534	0.0194	5.931
185	55.3	54.9	3.7451	2.7924	-0.0043	6.5331	5.8621	0.1505	0.017	6.0295
186	55	55.7	3.7403	2.7923	-0.0041	6.5285	5.9099	0.1527	0.0142	6.0768
187	57.4	56.5	3.7337	2.7918	-0.0042	6.5214	5.9981	0.152	0.016	6.1661
188	60.3	57.4	3.7285	2.7914	-0.0041	6.5158	6.0733	0.1465	0.0159	6.2357
189	58.9	58.5	3.7215	2.7914	-0.0041	6.5088	6.165	0.1464	0.0151	6.3265
190	61.1	59.6	3.7158	2.7921	-0.0044	6.5035	6.2472	0.1403	0.0155	6.403
191	62.6	60.4	3.7108	2.7919	-0.0044	6.4983	6.3109	0.1392	0.0155	6.4656
192	62.2	61.3	3.7038	2.791	-0.0044	6.4905	6.3866	0.1515	0.0156	6.5538
193	61.5	62.2	3.6989	2.7897	-0.0042	6.4843	6.4734	0.1661	0.0188	6.6582
194	61.6	63	3.6918	2.789	-0.0039	6.4769	6.5405	0.172	0.0168	6.7292
195	61.7	63.8	3.6858	2.7883	-0.0036	6.4704	6.6142	0.1709	0.0141	6.7993
196	64.3	64.6	3.6794	2.788	-0.0034	6.464	6.6862	0.1792	0.0138	6.8792
197	65.7	65.3	3.6729	2.7891	-0.0033	6.4587	6.7595	0.1833	0.014	6.9568
198	66.5	66	3.6672	2.79	-0.0032	6.454	6.8328	0.1726	0.0149	7.0203
199	68.5	66.8	3.6599	2.7906	-0.0031	6.4475	6.917	0.1668	0.0148	7.0986
200	66.3	67.8	3.6539	2.7912	-0.003	6.4421	7.0156	0.1703	0.0153	7.2012
201	69.9	68.6	3.6497	2.7912	-0.003	6.4379	7.0817	0.1696	0.0177	7.269
202	69.8	69.8	3.644	2.7912	-0.0031	6.4321	7.1435	0.1622	0.0181	7.3239
203	69.1	70.9	3.6376	2.7913	-0.0031	6.4258	7.2296	0.1526	0.0197	7.402
204	69.3	72.1	3.6303	2.7906	-0.003	6.4179	7.2904	0.1516	0.0216	7.4635
205	70.2	73.3	3.623	2.79	-0.0031	6.41	7.3492	0.1593	0.0166	7.5251
206	71.3	74.6	3.6151	2.7897	-0.003	6.4019	7.3793	0.1727	0.0098	7.5619
207	73.3	75.7	3.607	2.7896	-0.0026	6.3941	7.4481	0.1665	0.0081	7.6228
208	75.4	76.8	3.5988	2.7891	-0.0024	6.3855	7.5236	0.1439	0.0073	7.6748
209	79.5	77.8	3.5909	2.7897	-0.0022	6.3784	7.6118	0.1116	0.0138	7.7372
210	77.7	79.1	3.5825	2.7906	-0.0022	6.3709	7.6921	0.1087	0.0193	7.8201
211	85	80.4	3.5748	2.7907	-0.0021	6.3634	7.7775	0.1166	0.0197	7.9138
212	82.4	82	3.5662	2.7908	-0.0022	6.3548	7.8416	0.1253	0.0182	7.9851
213	84.1	83.6	3.5574	2.7914	-0.0023	6.3464	7.9253	0.1249	0.018	8.0682

214	84.5	85.5	3.5479	2.791	-0.0025	6.3364	8.0051	0.1293	0.0212	8.1556
215	88.9	87.3	3.5373	2.7908	-0.0025	6.3257	8.0614	0.1302	0.0217	8.2133
216	87.2	89	3.5304	2.7906	-0.0027	6.3183	8.1258	0.1364	0.021	8.2832
217	87.2	90.6	3.5225	2.7906	-0.003	6.3101	8.1998	0.1392	0.0194	8.3584
218	86.7	92.1	3.5122	2.7906	-0.0032	6.2996	8.2661	0.1395	0.0181	8.4238
219	91.2	93.4	3.5023	2.791	-0.0033	6.2901	8.3469	0.1387	0.02	8.5056
220	95.5	94.9	3.4925	2.7917	-0.0033	6.2808	8.421	0.1363	0.0238	8.5811
221	100	96	3.4835	2.7913	-0.0033	6.2715	8.4658	0.1349	0.0226	8.6233
222	98.4	97.4	3.4728	2.791	-0.0034	6.2604	8.5236	0.1262	0.0233	8.673
223	105	98.9	3.4641	2.7917	-0.0034	6.2523	8.5715	0.1297	0.0287	8.7299
224	106	100	3.4541	2.7913	-0.0036	6.2418	8.6359	0.1339	0.025	8.7948
225	103	101	3.4427	2.7913	-0.0038	6.2302	8.7001	0.1256	0.0168	8.8424
226	105	103	3.4342	2.7912	-0.0038	6.2217	8.7604	0.1139	0.0111	8.8854
227	104	104	3.4244	2.7908	-0.0039	6.2113	8.8261	0.1088	0.0085	8.9434
228	104	106	3.4147	2.7907	-0.004	6.2014	8.8812	0.1022	0.008	8.9914
229	105	107	3.4028	2.7906	-0.0043	6.1891	8.9366	0.1055	0.0026	9.0447
230	107	109	3.3935	2.7897	-0.0044	6.1788	8.9917	0.1006	0.0038	9.0961
231	109	109	3.3844	2.7875	-0.0044	6.1675	9.0331	0.0949	0.0044	9.1324
232	112	111	3.3753	2.7865	-0.0043	6.1575	9.107	0.0992	0.0092	9.2155
233	110	111	3.3647	2.786	-0.0043	6.1464	9.1384	0.1038	0.0067	9.2489
234	113	112	3.3517	2.786	-0.0041	6.1336	9.2022	0.1196	0.0085	9.3303
235	108	113	3.3445	2.7855	-0.0038	6.1262	9.2496	0.1214	0.0084	9.3794
236	116	115	3.3346	2.786	-0.004	6.1165	9.2908	0.1232	0.0079	9.4218
237	118	115	3.3247	2.7862	-0.004	6.107	9.3648	0.1215	0.0086	9.4949
238	121	117	3.3131	2.7861	-0.0041	6.0951	9.402	0.1137	0.0078	9.5235
239	118	118	3.3024	2.7859	-0.0043	6.084	9.4648	0.1137	0.0103	9.5888
240	117	119	3.2935	2.7856	-0.0044	6.0747	9.486	0.1224	0.011	9.6194
241	121	120	3.2836	2.7845	-0.0045	6.0635	9.5199	0.1309	0.0063	9.6572
242	122	121	3.2722	2.783	-0.0047	6.0504	9.5578	0.1318	0.0033	9.6929
243	120	122	3.2628	2.7825	-0.0045	6.0408	9.6052	0.1384	0.0053	9.7488
244	124	123	3.2526	2.7821	-0.0041	6.0306	9.6814	0.1215	0.0061	9.809
245	126	124	3.2428	2.7819	-0.0039	6.0208	9.6975	0.1145	0.0096	9.8216
246	122	125	3.2328	2.7815	-0.0036	6.0107	9.7399	0.11	0.0158	9.8657
247	129	126	3.2213	2.7825	-0.0036	6.0002	9.774	0.1072	0.0181	9.8993
248	131	127	3.2108	2.7836	-0.0034	5.991	9.8269	0.119	0.0188	9.9646
249	128	128	3.1987	2.7839	-0.0035	5.9791	9.8688	0.1332	0.0218	10.0237
250	128	129	3.1879	2.7838	-0.0037	5.968	9.8949	0.1443	0.027	10.0662

251	129	130	3.1782	2.784	-0.004	5.9583	9.9496	0.1555	0.0318	10.1369
252	129	131	3.1662	2.7846	-0.0043	5.9465	10.0047	0.1765	0.0322	10.2134
253	130	132	3.1555	2.7847	-0.0048	5.9355	10.0491	0.1875	0.0294	10.2659
254	130	132	3.1454	2.7841	-0.0047	5.9247	10.0714	0.1931	0.0257	10.2902
255	132	133	3.1375	2.7827	-0.0046	5.9156	10.1134	0.189	0.0308	10.3333
256	138	134	3.1264	2.7824	-0.0047	5.9041	10.1649	0.1869	0.025	10.3768
257	139	135	3.1172	2.7826	-0.0048	5.895	10.178	0.1662	0.0222	10.3665
258	132	135	3.1049	2.7842	-0.005	5.884	10.2088	0.1637	0.0279	10.4004
259	135	136	3.0939	2.7838	-0.0051	5.8726	10.2384	0.1565	0.0277	10.4227
260	142	137	3.0821	2.7833	-0.005	5.8604	10.2539	0.1567	0.0289	10.4395
261	141	137	3.0725	2.7829	-0.005	5.8505	10.2916	0.1684	0.0295	10.4895
262	137	138	3.0605	2.7828	-0.0049	5.8383	10.3277	0.1704	0.0311	10.5292
263	139	138	3.0484	2.7824	-0.0052	5.8256	10.3341	0.1765	0.031	10.5416
264	142	138	3.0392	2.7821	-0.0053	5.816	10.3397	0.1884	0.0298	10.5578
265	141	138	3.0297	2.7811	-0.0052	5.8056	10.356	0.1832	0.0282	10.5675
266	143	138	3.0185	2.781	-0.005	5.7946	10.3362	0.1858	0.0294	10.5514
267	140	138	3.0089	2.7805	-0.0048	5.7846	10.3586	0.2024	0.0277	10.5886
268	143	139	2.9969	2.7803	-0.0051	5.7722	10.3696	0.2	0.0194	10.589
269	142	139	2.9837	2.7801	-0.0053	5.7585	10.3851	0.1946	0.0124	10.5921
270	138	139	2.9756	2.7803	-0.0054	5.7506	10.4009	0.1924	0.0116	10.6049
271	136	139	2.9654	2.7803	-0.0054	5.7404	10.3954	0.1921	0.0109	10.5983
272	133	139	2.9557	2.7795	-0.0055	5.7297	10.403	0.1859	0.0081	10.597
273	134	139	2.945	2.7791	-0.0051	5.7189	10.3951	0.1798	0.0066	10.5815
274	137	139	2.9339	2.7798	-0.0045	5.7092	10.4271	0.1756	0.0076	10.6103
275	137	139	2.9235	2.7809	-0.0042	5.7002	10.4294	0.1626	0.0087	10.6007
276	138	138	2.9114	2.7813	-0.0042	5.6885	10.4219	0.1645	0.0088	10.5952
277	139	138	2.9016	2.7814	-0.0042	5.6788	10.4638	0.1672	0.0127	10.6436
278	143	138	2.8909	2.7811	-0.0039	5.6682	10.4473	0.1592	0.0142	10.6207
279	141	138	2.8802	2.7813	-0.0041	5.6574	10.4484	0.1749	0.0155	10.6388
280	138	138	2.8708	2.7813	-0.0042	5.6478	10.4198	0.1801	0.0127	10.6126
281	137	138	2.8586	2.7812	-0.0047	5.635	10.4416	0.1816	0.0083	10.6315
282	139	138	2.8492	2.7809	-0.0047	5.6253	10.4658	0.1561	0.0057	10.6276
283	139	138	2.8373	2.7803	-0.005	5.6126	10.4638	0.1427	0.0063	10.6128
284	137	138	2.8259	2.7801	-0.0051	5.6009	10.4532	0.1372	0.008	10.5984
285	137	138	2.816	2.7801	-0.0051	5.5909	10.4244	0.1413	0.0099	10.5756
286	137	139	2.8038	2.7802	-0.005	5.579	10.4734	0.1436	0.0118	10.6289
287	137	139	2.7935	2.7804	-0.005	5.569	10.4633	0.1537	0.01	10.627

288	141	138	2.782	2.7801	-0.0051	5.5569	10.4593	0.1592	0.0072	10.6256
289	137	138	2.7729	2.7792	-0.0052	5.5469	10.4454	0.1604	0.0038	10.6096
290	134	138	2.7638	2.779	-0.005	5.5378	10.4591	0.162	0.0041	10.6252
291	137	138	2.755	2.7787	-0.0047	5.529	10.4591	0.1543	0.0042	10.6176
292	140	139	2.7433	2.7772	-0.0049	5.5156	10.4772	0.1388	0.0062	10.6222
293	138	139	2.7307	2.7775	-0.0048	5.5034	10.4805	0.1244	0.0071	10.612
294	142	139	2.722	2.7775	-0.0049	5.4947	10.4756	0.1173	0.0095	10.6024
295	140	139	2.7118	2.7773	-0.0052	5.4838	10.4668	0.1131	0.0112	10.5912
296	138	139	2.702	2.7773	-0.0052	5.474	10.4678	0.114	0.014	10.5958
297	141	139	2.6902	2.7772	-0.0051	5.4623	10.4869	0.1126	0.0168	10.6163
298	139	139	2.6804	2.7767	-0.0054	5.4517	10.4713	0.1281	0.0163	10.6157
299	139	139	2.6705	2.7762	-0.0058	5.4408	10.4592	0.1346	0.0165	10.6103
300	138	139	2.659	2.7756	-0.0062	5.4284	10.4447	0.128	0.0153	10.588
301	142	139	2.6492	2.7736	-0.0062	5.4165	10.457	0.1258	0.0112	10.594
302	139	139	2.6391	2.7725	-0.006	5.4055	10.4694	0.1322	0.0074	10.609
303	144	139	2.6305	2.772	-0.0056	5.3968	10.4454	0.131	0.0034	10.5798
304	139	139	2.619	2.7717	-0.0061	5.3846	10.4573	0.127	0.0019	10.5862
305	140	139	2.6065	2.7713	-0.0056	5.3723	10.4704	0.124	0.0054	10.5999
306	140	138	2.5973	2.7731	-0.0052	5.3652	10.4875	0.1146	0.01	10.6121
307	136	138	2.5861	2.7733	-0.0054	5.354	10.4934	0.1156	0.0115	10.6204
308	132	138	2.5749	2.7734	-0.0052	5.3432	10.5065	0.1258	0.0108	10.6431
309	139	138	2.5655	2.7741	-0.0051	5.3344	10.4792	0.1493	0.007	10.6354
310	139	137	2.5534	2.7738	-0.0052	5.322	10.4754	0.1452	0.0059	10.6265
311	138	137	2.542	2.7737	-0.0052	5.3105	10.4765	0.141	0.0062	10.6237
312	136	137	2.5328	2.7732	-0.0053	5.3007	10.4824	0.1354	0.0072	10.625
313	136	136	2.5234	2.7725	-0.0053	5.2906	10.4578	0.1365	0.0066	10.6009
314	138	136	2.5123	2.7727	-0.0053	5.2796	10.4643	0.1372	0.005	10.6065
315	133	136	2.5037	2.7722	-0.0054	5.2705	10.4727	0.1312	0.0074	10.6113
316	133	135	2.4945	2.7704	-0.0055	5.2595	10.5007	0.1242	0.0088	10.6337
317	133	135	2.4856	2.7706	-0.0049	5.2512	10.5119	0.1304	0.0111	10.6534
318	135	135	2.4737	2.7711	-0.0044	5.2404	10.5144	0.1391	0.013	10.6665
319	138	135	2.4623	2.7718	-0.0044	5.2296	10.5054	0.1571	0.0091	10.6715
320	137	136	2.4529	2.7725	-0.0044	5.221	10.4785	0.1527	-0.0004	10.6308
321	135	136	2.4432	2.7727	-0.0041	5.2118	10.512	0.1527	-0.01	10.6546
322	132	136	2.4333	2.773	-0.0041	5.2022	10.5359	0.1402	-0.0094	10.6667
323	134	137	2.4213	2.7741	-0.0042	5.1913	10.5371	0.1229	-0.0069	10.6531
324	135	137	2.4112	2.775	-0.0045	5.1818	10.5455	0.1167	-0.0006	10.6617

325	131	138	2.4005	2.7749	-0.0047	5.1707	10.5635	0.1312	0.0066	10.7014
326	135	138	2.3879	2.7745	-0.0051	5.1573	10.5518	0.1498	0.0117	10.7133
327	133	139	2.3797	2.7749	-0.0053	5.1493	10.5369	0.1625	0.0123	10.7118
328	142	139	2.3698	2.7733	-0.0056	5.1375	10.5415	0.1678	0.0091	10.7184
329	146	139	2.3608	2.7726	-0.0055	5.1278	10.5525	0.1713	0.0084	10.7322
330	144	139	2.3494	2.7715	-0.0052	5.1156	10.5529	0.174	0.0003	10.7271
331	140	139	2.3379	2.7719	-0.005	5.1048	10.5735	0.1744	-0.0048	10.7431
332	142	140	2.3289	2.7722	-0.0049	5.0962	10.5659	0.1693	-0.0081	10.7272
333	146	140	2.3194	2.7723	-0.0051	5.0866	10.566	0.1584	-0.0045	10.7199
334	143	140	2.3093	2.7719	-0.0051	5.0761	10.551	0.1495	-0.0072	10.6934
335	144	141	2.2972	2.7712	-0.005	5.0633	10.5787	0.1297	-0.009	10.6994
336	144	141	2.2882	2.7706	-0.005	5.0538	10.5415	0.1427	-0.0052	10.679
337	140	142	2.2788	2.7703	-0.0047	5.0444	10.373	0.3386	-0.0028	10.7088
338	135	142	2.2686	2.77	-0.0045	5.0341	10.2656	0.42	0.0003	10.6858
339	140	142	2.2565	2.7697	-0.0047	5.0215	10.1361	0.5541	-0.0025	10.6878
340	137	142	2.2476	2.7702	-0.0048	5.0129	10.0904	0.608	-0.003	10.6954
341	139	143	2.2358	2.7706	-0.0051	5.0013	10.1269	0.6043	-0.0011	10.7301
342	142	143	2.2241	2.7705	-0.0054	4.9892	10.1	0.64	0.0031	10.7431
343	144	143	2.2152	2.7708	-0.0054	4.9806	10.0003	0.7288	0.0007	10.7299
344	143	143	2.2059	2.7708	-0.0053	4.9715	9.9167	0.7772	0.0005	10.6945
345	142	143	2.196	2.7705	-0.0053	4.9612	9.9329	0.7896	0.0009	10.7235
346	141	143	2.1841	2.7702	-0.0053	4.949	10.0569	0.6601	-0.0022	10.7148
347	143	144	2.1742	2.7697	-0.0052	4.9387	9.9992	0.7069	-0.0017	10.7044
348	144	145	2.1649	2.7701	-0.005	4.9299	9.8608	0.8079	-0.0021	10.6666
349	150	146	2.1542	2.7711	-0.005	4.9203	9.8109	0.8686	-0.0029	10.6765
350	154	146	2.1422	2.7712	-0.0048	4.9086	9.694	0.9966	-0.0061	10.6844
351	150	147	2.1313	2.7708	-0.0047	4.8974	9.7819	0.8862	-0.012	10.6561
352	146	148	2.1217	2.7715	-0.0046	4.8885	9.7275	0.8863	-0.0139	10.5999
353	145	149	2.1097	2.772	-0.005	4.8768	9.635	0.9723	-0.0144	10.593
354	145	149	2.0983	2.7717	-0.0053	4.8647	9.5673	1.037	-0.0112	10.5931
355	147	150	2.0887	2.7713	-0.0056	4.8544	9.5628	1.0452	-0.0151	10.5929
356	149	151	2.0771	2.7708	-0.0058	4.8421	9.6964	0.8881	-0.0083	10.5762
357	153	152	2.0666	2.77	-0.0059	4.8306	9.7143	0.8678	-0.0047	10.5775
358	153	153	2.057	2.7692	-0.0057	4.8205	9.9462	0.6427	-0.0049	10.584
359	155	153	2.0463	2.7693	-0.0057	4.8099	10.2273	0.3344	-0.0019	10.5597
360	155	154	2.0345	2.7692	-0.0056	4.798	10.4118	0.1452	0.0003	10.5573
361	151	154	2.0243	2.7694	-0.0057	4.7879	10.4101	0.0984	0.0005	10.5089

362	158	155	2.0147	2.7691	-0.0056	4.7782	9.9871	0.5266	-0.0002	10.5135
363	161	156	2.0019	2.7687	-0.0057	4.7649	9.9719	0.5335	0.0002	10.5056
364	160	157	1.9919	2.769	-0.006	4.7549	10.1189	0.3726	0.0036	10.4951
365	156	157	1.9796	2.7687	-0.0061	4.7422	10.1703	0.3111	0.0072	10.4887
366	157	157	1.9673	2.768	-0.0061	4.7292	10.2316	0.2565	0.0068	10.4948
367	156	158	1.9575	2.7666	-0.0061	4.7179	10.2054	0.2546	0.0048	10.4648
368	160	158	1.9464	2.7646	-0.006	4.705	10.0966	0.3717	0.0101	10.4784
369	164	158	1.9358	2.7648	-0.0053	4.6954	10.0263	0.4013	0.016	10.4436
370	162	158	1.9244	2.7651	-0.0044	4.6851	9.9968	0.4151	0.0151	10.427
371	159	158	1.9118	2.7663	-0.0044	4.6737	9.9701	0.4529	0.0158	10.4388
372	156	159	1.902	2.7672	-0.0048	4.6644	9.9687	0.464	0.0221	10.4548
373	164	159	1.8905	2.7674	-0.0051	4.6528	9.9414	0.4707	0.0217	10.4338
374	153	159	1.8776	2.7667	-0.0052	4.6391	9.9216	0.4576	0.0175	10.3967
375	157	159	1.8683	2.766	-0.0054	4.6288	9.9415	0.4429	0.0161	10.4004
376	159	160	1.8577	2.765	-0.0054	4.6173	9.957	0.4061	0.0115	10.3745
377	158	160	1.8474	2.7646	-0.0051	4.6069	9.8931	0.426	0.0106	10.3297
378	157	160	1.8356	2.764	-0.0047	4.595	9.9181	0.419	0.0095	10.3466
379	155	160	1.8249	2.7639	-0.0041	4.5847	9.9221	0.3566	0.0043	10.283
380	160	160	1.8134	2.7639	-0.0037	4.5735	9.9329	0.3516	0.0052	10.2897
381	164	160	1.802	2.7642	-0.0039	4.5623	9.9019	0.3374	0.0122	10.2516
382	161	161	1.7926	2.765	-0.0043	4.5533	9.8763	0.3105	0.014	10.2009
383	166	161	1.7822	2.7654	-0.0042	4.5433	9.8991	0.2736	0.0093	10.182
384	162	161	1.7681	2.7671	-0.0042	4.531	10.0823	0.2617	-0.1774	10.1667
385	162	162	1.7618	2.7658	-0.0046	4.523	10.167	0.2525	-0.2749	10.1446
386	162	162	1.7665	2.7463	-0.0047	4.5081	10.0991	0.2549	-0.2801	10.0739
387	163	162	1.767	2.7384	-0.005	4.5004	10.1264	0.2115	-0.278	10.0599
388	161	163	1.7684	2.7247	-0.0049	4.4882	10.1657	0.1758	-0.2744	10.0671
389	161	163	1.7639	2.7184	-0.0049	4.4773	10.1309	0.1544	-0.2713	10.014
390	163	163	1.7511	2.7186	-0.0049	4.4648	10.085	0.1432	-0.2738	9.9544
391	168	163	1.745	2.7147	-0.005	4.4547	10.0625	0.1755	-0.2739	9.9641
392	163	163	1.7433	2.7043	-0.005	4.4426	10.0175	0.1813	-0.275	9.9238
393	163	162	1.739	2.6998	-0.0049	4.434	9.953	0.1952	-0.2768	9.8714
394	163	162	1.7287	2.6986	-0.005	4.4224	9.9114	0.2267	-0.2774	9.8607
395	164	162	1.7061	2.7113	-0.005	4.4124	9.8906	0.2295	-0.2765	9.8436
396	165	161	1.7021	2.7066	-0.0051	4.4036	9.8833	0.1951	-0.2763	9.8021
397	171	161	1.7041	2.6964	-0.0049	4.3956	9.8432	0.1591	-0.2766	9.7256
398	162	161	1.6993	2.6898	-0.0051	4.384	9.8138	0.1511	-0.2769	9.688

399	161	161	1.7011	2.6765	-0.0052	4.3724	9.7836	0.1533	-0.2764	9.6605
400	153	160	1.6808	2.687	-0.005	4.3628	9.7424	0.1628	-0.2769	9.6283
401	156	160	1.6764	2.6849	-0.0048	4.3565	9.6505	0.1709	-0.2704	9.551
402	159	159	1.6756	2.6752	-0.0046	4.3462	9.5997	0.1741	-0.2722	9.5016
403	161	159	1.6738	2.6683	-0.0045	4.3375	9.5662	0.1771	-0.2717	9.4716
404	156	158	1.6627	2.6672	-0.0046	4.3253	9.5066	0.176	-0.2739	9.4087
405	155	158	1.6369	2.6825	-0.0047	4.3147	9.4406	0.1715	-0.2796	9.3324
406	156	158	1.6259	2.6863	-0.0048	4.3075	9.4016	0.1741	-0.2851	9.2906
407	156	157	1.5915	2.709	-0.0049	4.2956	9.3375	0.176	-0.2874	9.2261
408	157	156	1.5522	2.74	-0.005	4.2872	9.2997	0.1653	-0.288	9.1771
409	155	156	1.5243	2.7596	-0.0052	4.2787	9.2529	0.1569	-0.2861	9.1237
410	156	155	1.5124	2.7639	-0.0052	4.2711	9.185	0.1576	-0.2864	9.0561
411	155	155	1.5433	2.721	-0.0052	4.2591	9.127	0.1597	-0.2878	8.999
412	161	154	1.5356	2.7198	-0.0053	4.2501	9.0792	0.1715	-0.2889	8.9618
413	153	154	1.5115	2.7353	-0.0057	4.2411	9.0227	0.1695	-0.2864	8.9058
414	157	153	1.4952	2.7415	-0.006	4.2307	8.9423	0.1669	-0.2872	8.8219
415	155	153	1.4806	2.7466	-0.0061	4.2211	8.8904	0.1698	-0.2893	8.7709
416	153	153	1.474	2.7449	-0.006	4.213	8.8116	0.1662	-0.2914	8.6864
417	150	152	1.4759	2.7334	-0.0059	4.2033	8.7264	0.1598	-0.2925	8.5938
418	152	152	1.4711	2.731	-0.006	4.196	8.6781	0.1449	-0.2923	8.5306
419	151	151	1.4626	2.7303	-0.0059	4.1869	8.6165	0.1266	-0.291	8.4521
420	149	150	1.4559	2.7272	-0.006	4.1771	8.5481	0.1362	-0.282	8.4023
421	145	150	1.4464	2.7263	-0.0063	4.1663	8.507	0.1357	-0.2705	8.3722
422	152	149	1.4391	2.726	-0.0062	4.1588	8.4084	0.145	-0.2696	8.2838
423	147	148	1.4292	2.7284	-0.0059	4.1516	8.3519	0.1491	-0.2721	8.2289
424	151	147	1.4171	2.7307	-0.0061	4.1417	8.2852	0.1548	-0.2733	8.1668
425	149	146	1.4048	2.7343	-0.0058	4.1332	8.1911	0.158	-0.275	8.0741
426	147	145	1.3986	2.7319	-0.0061	4.1244	8.1327	0.1584	-0.276	8.0152
427	148	145	1.3879	2.733	-0.0063	4.1146	8.0767	0.1495	-0.2715	7.9548
428	143	144	1.3776	2.7376	-0.006	4.1092	8.0175	0.144	-0.265	7.8965
429	144	144	1.3675	2.7374	-0.0061	4.0989	7.9224	0.1442	-0.257	7.8096
430	141	143	1.3592	2.7378	-0.0065	4.0905	7.8475	0.1622	-0.2471	7.7626
431	138	143	1.3502	2.7408	-0.0064	4.0847	7.7939	0.1582	-0.2433	7.7088
432	138	142	1.339	2.7448	-0.0059	4.078	7.6955	0.1949	-0.2431	7.6473
433	139	142	1.3112	2.7461	0.0126	4.0699	7.6368	0.2136	-0.2485	7.6019
434	139	141	1.2926	2.7466	0.0224	4.0616	7.5525	0.2387	-0.2468	7.5444
435	142	140	1.2873	2.7457	0.023	4.056	7.3984	0.3099	-0.2429	7.4653

436	141	139	1.2756	2.7495	0.0228	4.0478	7.3285	0.3382	-0.248	7.4187
437	140	138	1.2622	2.7528	0.0227	4.0377	7.3912	0.1595	-0.2501	7.3006
438	138	137	1.2555	2.7546	0.0226	4.0327	7.442	0.0675	-0.2562	7.2533
439	140	136	1.248	2.7554	0.0227	4.026	7.5226	-0.088	-0.2563	7.1782
440	138	135	1.2413	2.7526	0.0226	4.0165	7.5212	-0.1481	-0.2698	7.1033
441	138	134	1.2341	2.7524	0.0224	4.009	7.4398	-0.1345	-0.2713	7.034
442	137	134	1.2288	2.751	0.0223	4.0021	7.4128	-0.1683	-0.2713	6.9732
443	136	133	1.2241	2.7481	0.0223	3.9945	7.4618	-0.2798	-0.269	6.9131
444	131	131	1.2168	2.7479	0.0224	3.9871	7.4501	-0.3361	-0.2666	6.8474
445	128	130	1.2077	2.751	0.0223	3.981	7.3604	-0.34	-0.2694	6.7509
446	126	129	1.1998	2.7543	0.0224	3.9765	7.1532	-0.2132	-0.2691	6.6709
447	126	128	1.1928	2.7546	0.0225	3.9699	7.1343	-0.2382	-0.2707	6.6254
448	125	126	1.1865	2.7548	0.0226	3.9639	7.1966	-0.3604	-0.2673	6.5689
449	128	125	1.18	2.7548	0.0227	3.9574	7.1709	-0.4111	-0.2708	6.489
450	125	124	1.1771	2.7541	0.0222	3.9535	7.1948	-0.5179	-0.2691	6.4078
451	122	122	1.1713	2.7534	0.0225	3.9472	7.0382	-0.4154	-0.2692	6.3536
452	121	121	1.1651	2.7537	0.0225	3.9413	7.0416	-0.441	-0.2706	6.33
453	117	120	1.1591	2.7544	0.0224	3.936	7.0531	-0.5487	-0.271	6.2335
454	116	119	1.1543	2.7545	0.0227	3.9315	7.3716	-0.7046	-0.5756	6.0914
455	117	118	1.1486	2.7539	0.0229	3.9253	9.6173	-0.8441	-2.4279	6.3454
456	114	117	1.1433	2.7532	0.0229	3.9194	9.5053	-0.6467	-2.4799	6.3788
457	112	116	1.1366	2.7534	0.0229	3.9129	9.4603	-0.5979	-2.5326	6.3299
458	117	114	1.1317	2.7535	0.0229	3.9081	9.1758	-0.378	-2.5472	6.2506
459	115	113	1.1278	2.7535	0.023	3.9043	8.797	-0.0531	-2.5424	6.2015
460	113	112	1.1218	2.7532	0.0232	3.8981	8.4606	0.1467	-2.4686	6.1387
461	116	111	1.1164	2.7522	0.0232	3.8918	8.2817	0.2089	-2.3939	6.0966
462	111	110	1.1124	2.7522	0.023	3.8876	8.5785	-0.224	-2.364	5.9906
463	111	109	1.1077	2.752	0.023	3.8827	8.5013	-0.237	-2.341	5.9233
464	107	108	1.1029	2.752	0.0229	3.8778	8.2392	-0.0827	-2.2955	5.861
465	106	107	1.0984	2.7521	0.0231	3.8736	8.0429	-0.0148	-2.2461	5.782
466	99.6	106	1.0947	2.752	0.0232	3.8699	7.8703	0.0434	-2.1919	5.7218
467	101	106	1.0897	2.7521	0.0231	3.8649	7.7862	0.0314	-2.1451	5.6725
468	104	105	1.0848	2.7519	0.0231	3.8598	7.8022	-0.0983	-2.1173	5.5866
469	105	104	1.081	2.7512	0.0229	3.8552	7.77	-0.1338	-2.0985	5.5378
470	101	103	1.0737	2.7515	0.0227	3.8479	7.69	-0.1374	-2.0817	5.4709
471	99.3	102	1.071	2.7518	0.0225	3.8453	7.6231	-0.164	-2.0488	5.4103
472	102	101	1.0668	2.7523	0.0224	3.8415	7.5648	-0.1654	-2.0571	5.3424

473	102	99.7	1.0619	2.7519	0.0222	3.8361	7.5502	-0.1657	-2.0538	5.3307
474	99.4	98.8	1.0585	2.7509	0.0223	3.8316	7.4008	-0.1413	-1.9979	5.2616
475	98.1	97.7	1.055	2.7501	0.0222	3.8273	7.2663	-0.1176	-1.9445	5.2042
476	99.2	96.9	1.05	2.7501	0.0217	3.8218	7.1197	-0.0899	-1.902	5.1278
477	99	95.9	1.0457	2.7502	0.0214	3.8173	7.0641	-0.1317	-1.8765	5.0559
478	96.7	94.9	1.0434	2.7496	0.021	3.814	6.9546	-0.1224	-1.8621	4.9701
479	93.5	93.6	1.0402	2.7477	0.0206	3.8085	6.8817	-0.0828	-1.8559	4.943
480	96.3	92.5	1.034	2.748	0.0206	3.8026	6.8864	-0.082	-1.9139	4.8905
481	94.4	91.5	1.0324	2.7448	0.0204	3.7976	6.8053	-0.0739	-1.9106	4.8208
482	91	90.3	1.0289	2.7437	0.0206	3.7931	6.7722	-0.0465	-1.9322	4.7935
483	90.3	89.1	1.0269	2.7415	0.0204	3.7888	6.7393	-0.0064	-1.9629	4.77
484	84.8	88	1.0282	2.7361	0.0201	3.7845	6.503	0.0029	-1.7844	4.7216
485	84.4	87	1.029	2.732	0.0202	3.7812	6.3732	0.0025	-1.7037	4.672
486	83.5	86	1.0274	2.7304	0.0203	3.778	6.3558	-0.0121	-1.6996	4.644
487	84.1	84.8	1.0228	2.7317	0.0206	3.7751	6.2853	0.0295	-1.7126	4.6022
488	80.5	83.7	1.0161	2.7335	0.0207	3.7703	6.2089	0.0692	-1.743	4.5351
489	80.1	82.7	1.0117	2.7332	0.0221	3.767	6.1673	0.0873	-1.7473	4.5073
490	79.2	81.5	1.0072	2.732	0.0222	3.7614	6.1071	0.0949	-1.7412	4.4609
491	79.3	80.4	1.0037	2.7316	0.0221	3.7574	6.0869	0.0706	-1.7883	4.3692
492	79	79.6	0.9971	2.7323	0.0219	3.7513	6.0199	0.0628	-1.745	4.3376
493	78.6	78.7	0.994	2.7334	0.0218	3.7492	5.9603	0.0551	-1.725	4.2904
494	78.9	78.3	0.9927	2.7326	0.022	3.7473	5.9263	0.0254	-1.7127	4.239
495	80.1	77.9	0.9908	2.7326	0.0219	3.7453	5.9262	0.0253	-1.7429	4.2086
496	76.4	77.5	0.9887	2.7304	0.022	3.741	5.8373	0.0584	-1.7248	4.1709
497	75.5	76.8	0.9845	2.7325	0.0218	3.7387	5.749	0.0906	-1.6877	4.152
498	75.3	76.3	0.9822	2.7309	0.022	3.7351	5.6634	0.0964	-1.6544	4.1054
499	72.8	76	0.9816	2.7283	0.0217	3.7316	5.5946	0.1014	-1.6234	4.0725
500	72.9	75.5	0.977	2.7286	0.0219	3.7274	5.5737	0.1004	-1.6392	4.0349
501	76.1	75.1	0.9723	2.729	0.0222	3.7235	5.59	0.092	-1.6613	4.0206
502	74	74.7	0.9702	2.7301	0.0225	3.7229	5.5521	0.0834	-1.6658	3.9696
503	75.9	74.3	0.9366	2.7387	0.053	3.7284	5.494	0.0758	-1.6541	3.9156
504	77.5	73.9	0.701	2.7516	0.2382	3.6908	5.4551	0.0848	-1.634	3.9058
505	75.3	73.3	0.6864	2.7472	0.2432	3.6768	5.4477	0.0914	-1.6358	3.9033
506	71.1	72.8	0.6799	2.7461	0.2485	3.6745	5.6863	0.0837	-1.6257	4.1444
507	72.4	72.3	0.6739	2.7468	0.2498	3.6705	5.9833	0.0735	-2.2331	3.8236
508	72.8	71.8	0.6725	2.7453	0.2493	3.6671	5.6794	0.0826	-1.9529	3.8092
509	69.8	71.4	0.6782	2.7449	0.2417	3.6648	5.5579	0.0891	-1.8874	3.7596

510	72	70.9	0.6842	2.743	0.2342	3.6614	5.498	0.1026	-1.8696	3.731
511	72.7	70.4	0.6854	2.7434	0.2312	3.66	5.4898	0.0951	-1.8944	3.6905
512	71.2	69.8	0.6855	2.7435	0.2288	3.6578	5.4155	0.0871	-1.8616	3.641
513	70.2	69.3	0.6876	2.7435	0.2239	3.655	5.416	0.0816	-1.887	3.6105
514	69.1	68.8	0.6909	2.743	0.2186	3.6525	5.3809	0.0715	-1.8916	3.5608
515	66.7	68.3	0.6935	2.7422	0.2131	3.6489	5.3254	0.0675	-1.8677	3.5252
516	65.9	67.8	0.6954	2.7418	0.2085	3.6457	5.3993	0.0766	-1.9716	3.5042
517	65.8	67.3	0.6957	2.7432	0.2058	3.6447	5.5393	0.0865	-2.1236	3.5021
518	64.8	66.9	0.6941	2.7444	0.2038	3.6423	5.5244	0.0878	-2.1259	3.4863
519	64.7	66.6	0.6936	2.744	0.2022	3.6398	5.4848	0.1018	-2.1015	3.485
520	65	66.3	0.6936	2.7436	0.1989	3.6361	5.3963	0.1013	-2.0491	3.4485
521	63.3	66.1	0.6899	2.7428	0.1994	3.6321	5.2676	0.1124	-1.9839	3.396
522	66.9	65.9	0.6841	2.7425	0.1992	3.6258	5.2231	0.1063	-1.9486	3.3808
523	67.7	65.7	0.6891	2.7425	0.1939	3.6255	5.2712	0.1178	-2.0227	3.3663
524	65.1	65.6	0.6904	2.7425	0.1884	3.6213	5.203	0.1163	-1.997	3.3223
525	62	65.6	0.6928	2.7433	0.1844	3.6205	5.1335	0.1097	-1.9534	3.2898
526	63.4	65.8	0.6921	2.7451	0.1815	3.6188	5.0531	0.1094	-1.8805	3.2821
527	64.9	66	0.6924	2.7452	0.18	3.6176	5.0115	0.1144	-1.8798	3.246
528	64.6	66.1	0.6894	2.7459	0.1796	3.6149	4.9253	0.1181	-1.8244	3.219
529	66.6	66.4	0.6789	2.7456	0.1853	3.6098	4.9021	0.1108	-1.8088	3.2042
530	68.1	66.6	0.6787	2.7451	0.1846	3.6084	4.8859	0.0918	-1.8294	3.1482
531	67.7	66.9	0.673	2.7455	0.1868	3.6053	4.8548	0.0972	-1.851	3.101
532	66.3	66.8	0.6651	2.7455	0.1904	3.601	4.8657	0.0537	-1.8595	3.06
533	66.9	66.8	0.6609	2.7458	0.1911	3.5978	4.8448	0.0384	-1.8479	3.0353
534	67.7	66.9	0.6553	2.7464	0.1928	3.5944	4.8318	0.0137	-1.8312	3.0144
535	68.7	67	0.6517	2.7469	0.193	3.5915	4.8597	-0.0431	-1.8319	2.9847
536	69.3	67.3	0.6471	2.7465	0.1941	3.5876	4.8909	-0.0798	-1.8482	2.9629
537	68.1	67.4	0.6414	2.7458	0.197	3.5842	4.878	-0.0984	-1.8431	2.9365
538	68.7	67.4	0.6388	2.7459	0.1973	3.582	4.8694	-0.0758	-1.8685	2.9251
539	69.4	67.4	0.6373	2.7459	0.1968	3.58	4.8107	-0.0405	-1.8648	2.9054
540	69.5	67.2	0.6327	2.7455	0.2014	3.5796	4.7785	-0.0437	-1.8532	2.8816
541	65.6	67	0.6321	2.7462	0.1969	3.5752	4.7549	-0.0549	-1.8623	2.8377
542	66.4	66.9	0.6328	2.7455	0.1947	3.573	4.7534	-0.0658	-1.8844	2.8032
543	67.8	66.9	0.6315	2.7456	0.1936	3.5706	4.6976	-0.059	-1.8848	2.7538
544	64.3	66.8	0.6242	2.7453	0.1967	3.5663	4.6547	-0.0489	-1.8631	2.7427
545	67.6	66.4	0.624	2.7451	0.1948	3.5639	4.6233	-0.0587	-1.8443	2.7203
546	66.9	66.1	0.6249	2.7452	0.1911	3.5613	4.5921	-0.0597	-1.8196	2.7129

547	66	65.8	0.6265	2.7449	0.1879	3.5593	4.5614	-0.0862	-1.8034	2.6718
548	65	65.4	0.627	2.7446	0.1849	3.5566	4.5099	-0.0628	-1.7958	2.6512
549	65.2	65	0.6226	2.7448	0.1866	3.5539	4.4858	-0.0725	-1.7738	2.6395
550	64	64.5	0.6181	2.7449	0.1884	3.5514	4.4935	-0.0896	-1.7875	2.6164
551	65	64.2	0.6161	2.7451	0.1891	3.5503	4.4714	-0.081	-1.8077	2.5827
552	65.2	64	0.6157	2.7462	0.188	3.5498	4.4298	-0.0728	-1.7978	2.5591
553	65.7	63.6	0.6136	2.746	0.1858	3.5454	4.3847	0.0125	-1.8546	2.5426
554	62.4	63.3	0.6095	2.7454	0.1863	3.5411	4.0399	0.1699	-1.6127	2.5971
555	63.2	63.1	0.5799	2.7455	0.1855	3.5109	1.7071	0.3511	0.1691	2.2273
556	61.7	62.8	0.545	2.7459	0.2462	3.5371	1.5964	0.3497	0.1585	2.1046
557	62.1	62.7	0.5687	2.7452	0.2182	3.532	1.5723	0.3644	0.1616	2.0983
558	60.7	62.5	0.5759	2.7446	0.2116	3.5321	1.5172	0.3976	0.1445	2.0594
559	60.9	62.3	0.578	2.7433	0.2099	3.5312	1.4808	0.4163	0.1423	2.0394
560	60.4	62	0.5728	2.7437	0.2126	3.5291	1.5176	0.4242	0.0892	2.0311
561	61.3	61.8	0.5748	2.7435	0.2094	3.5277	1.5781	0.4206	0.0119	2.0106
562	60.4	61.4	0.5708	2.744	0.2117	3.5265	1.6145	0.4608	-0.0749	2.0004
563	60	61	0.5696	2.7449	0.2122	3.5267	1.6641	0.5	-0.1511	2.013
564	62.1	60.8	0.5703	2.7453	0.2097	3.5253	1.708	0.5289	-0.2338	2.0032
565	62.8	60.5	0.5585	2.7444	0.2202	3.5232	1.7593	0.5556	-0.3345	1.9804
566	62.5	60.3	0.5407	2.7434	0.2355	3.5197	1.8086	0.5552	-0.4171	1.9468
567	61.5	60.1	0.5372	2.7433	0.2357	3.5162	1.8032	0.7213	-0.6017	1.9227
568	62.2	59.9	0.5363	2.7418	0.2333	3.5113	1.7984	0.9336	-0.7648	1.9673
569	58.7	59.6	0.5414	2.7411	0.2278	3.5103	1.7864	1.0728	-0.9304	1.9288
570	61	59.3	0.547	2.7403	0.2211	3.5083	1.7715	1.2364	-1.0689	1.939
571	57.5	58.9	0.5487	2.7412	0.2174	3.5073	1.7417	1.4315	-1.2848	1.8884
572	58.1	58.5	0.5397	2.7405	0.2246	3.5049	1.6994	1.6487	-1.522	1.8261
573	57.5	58	0.5416	2.7403	0.2219	3.5039	1.6677	1.8091	-1.7211	1.7558
574	58.5	57.4	0.5451	2.7399	0.2176	3.5027	1.7508	1.8941	-1.8847	1.7603
575	57.1	56.7	0.5497	2.7392	0.2102	3.4991	1.7915	1.9756	-2.0208	1.7464
576	58.7	56	0.5489	2.7386	0.2097	3.4972	1.8116	2.0616	-2.1209	1.7523
577	57.3	55.3	0.5532	2.7384	0.2038	3.4954	1.8168	2.1469	-2.2139	1.7497
578	55.2	54.6	0.5532	2.7385	0.2019	3.4936	1.8308	2.174	-2.2522	1.7526
579	54	54	0.5516	2.7385	0.2035	3.4936	1.8242	2.1889	-2.3026	1.7105
580	54.1	53.4	0.5485	2.7383	0.2057	3.4925	1.7126	2.1936	-2.2357	1.6705
581	52.5	52.9	0.5459	2.7394	0.2064	3.4916	1.7014	2.1448	-2.193	1.6532
582	51.5	52.3	0.5444	2.7398	0.2054	3.4896	1.6353	2.1137	-2.1197	1.6293
583	49.8	51.8	0.5437	2.7401	0.2036	3.4874	1.571	2.1434	-2.1409	1.5735

584	49.8	51.2	0.5422	2.7405	0.2033	3.486	1.5353	2.1615	-2.1685	1.5283
585	48.3	50.7	0.5399	2.74	0.205	3.4849	1.4604	2.061	-2.0173	1.5041
586	49.4	50.1	0.5396	2.7402	0.2046	3.4844	1.4098	1.9821	-1.913	1.4789
587	49	49.6	0.5358	2.7393	0.2075	3.4826	1.3926	1.9364	-1.8704	1.4586
588	47.4	49.2	0.5351	2.7375	0.2072	3.4798	1.3641	1.9124	-1.8319	1.4447
589	49.3	48.8	0.5339	2.7375	0.2074	3.4788	1.3594	1.8818	-1.7949	1.4462
590	47.7	48.4	0.5317	2.7375	0.2084	3.4776	1.3489	1.8549	-1.7593	1.4446
591	47.4	47.9	0.5284	2.7381	0.2105	3.4771	1.2996	1.8415	-1.6885	1.4526
592	47.2	47.6	0.5273	2.7382	0.2104	3.4759	1.2898	1.8719	-1.7385	1.4231
593	47.5	47.2	0.5286	2.7383	0.2081	3.475	1.2808	1.8719	-1.7581	1.3946
594	47.1	47	0.5304	2.7385	0.2064	3.4752	1.259	1.8929	-1.7826	1.3693
595	47.5	46.8	0.5316	2.7386	0.2039	3.474	1.2084	1.9934	-1.8882	1.3136
596	47.4	46.5	0.5325	2.739	0.2023	3.4739	1.2078	1.9852	-1.9026	1.2903
597	47.7	46.3	0.5335	2.7388	0.2014	3.4736	1.2124	1.9405	-1.8851	1.2678
598	47.2	46.1	0.5336	2.7382	0.1994	3.4712	1.2421	1.9155	-1.8877	1.2699
599	45.2	45.8	0.5322	2.7373	0.2005	3.47	1.2272	1.8667	-1.8361	1.2577
600	44.3	45.6	0.5298	2.7367	0.2027	3.4692	1.1761	1.8498	-1.7822	1.2437
601	44.5	45.4	0.5293	2.7363	0.202	3.4676	1.1725	1.8718	-1.8095	1.2348
602	43.4	45.1	0.5318	2.7289	0.208	3.4686	1.1867	1.9267	-1.8666	1.2469
603	45.4	44.8	0.5326	2.7217	0.2143	3.4686	1.2135	1.9688	-1.9376	1.2446
604	44.2	44.5	0.5303	2.7165	0.2213	3.468	1.2236	1.9694	-1.9759	1.2171
605	44.7	44.2	0.5267	2.7122	0.2274	3.4663	1.1993	1.9484	-1.9601	1.1876
606	43.6	43.8	0.5226	2.7097	0.2323	3.4646	0.9131	1.9399	-1.9617	0.8913
607	44.2	43.4	0.5222	2.707	0.2354	3.4646	0.5778	1.9413	-1.3608	1.1583
608	43.8	42.9	0.5244	2.7037	0.235	3.4631	0.8538	1.9431	-1.685	1.1119
609	44	42.6	0.5265	2.7025	0.2328	3.4617	0.8968	1.9713	-1.7467	1.1213
610	43.2	42.3	0.5264	2.701	0.233	3.4604	0.914	1.9655	-1.778	1.1014
611	41.7	42	0.524	2.6973	0.2387	3.46	0.8497	1.9799	-1.7594	1.0701
612	41.5	41.8	0.5191	2.6935	0.2439	3.4565	0.873	1.9977	-1.819	1.0516
613	42.2	41.3	0.5168	2.6906	0.2473	3.4547	0.8462	2.0376	-1.8211	1.0626
614	41.9	41	0.515	2.6875	0.252	3.4545	0.8625	2.0575	-1.8381	1.0818
615	38.6	40.5	0.5127	2.6867	0.2548	3.4542	0.8847	2.0605	-1.8677	1.0774
616	40.3	40.2	0.5151	2.6697	0.2687	3.4534	0.7972	2.0656	-1.7796	1.0832
617	38.9	39.8	0.5158	2.6498	0.2823	3.4479	0.6434	2.0587	-1.6296	1.0725
618	39.6	39.4	0.5154	2.6371	0.2969	3.4494	0.5678	2.0477	-1.5618	1.0537
619	38.5	39	0.5164	2.6204	0.3091	3.4459	0.5223	2.006	-1.5282	1
620	39	38.7	0.5194	2.6004	0.3274	3.4472	0.5433	1.9969	-1.5611	0.9791

621	38.1	38.4	0.5199	2.578	0.3516	3.4495	0.5748	2.0108	-1.6214	0.9643
622	37.6	38.2	0.5173	2.5616	0.3713	3.4502	0.588	2.0581	-1.6738	0.9723
623	37.5	37.9	0.514	2.5531	0.3823	3.4495	0.5159	2.0927	-1.6503	0.9583
624	35.8	37.7	0.5113	2.5449	0.3904	3.4467	0.5464	2.073	-1.6747	0.9446
625	37.9	37.5	0.5117	2.5371	0.3965	3.4452	0.5876	2.1014	-1.7533	0.9358
626	36.5	37.3	0.5105	2.5304	0.4029	3.4438	0.6329	2.1195	-1.8267	0.9258
627	36	37.1	0.5093	2.5278	0.4052	3.4423	0.5931	2.0998	-1.7901	0.9028
628	35.6	36.9	0.507	2.527	0.4098	3.4438	0.6364	2.0909	-1.8497	0.8776
629	37.3	36.7	0.5076	2.5262	0.4089	3.4428	0.6455	2.1112	-1.8923	0.8645
630	36.7	36.5	0.5085	2.5307	0.4039	3.4431	0.6396	2.1383	-1.9068	0.8711
631	37.6	36.2	0.5095	2.5341	0.3988	3.4424	0.6122	2.1177	-1.872	0.8579
632	37.3	35.9	0.508	2.5311	0.4045	3.4437	0.5797	2.1134	-1.8438	0.8492
633	37.1	35.6	0.5073	2.5297	0.4079	3.4449	0.5676	2.0946	-1.8239	0.8383
634	35.7	35.3	0.5092	2.5403	0.3945	3.444	0.5605	2.0894	-1.8254	0.8245
635	36	34.9	0.5107	2.5487	0.3843	3.4437	0.5505	2.1324	-1.862	0.8209
636	35.6	34.6	0.5078	2.5529	0.3811	3.4418	0.5281	2.1543	-1.8663	0.8161
637	35.2	34.5	0.5049	2.5546	0.3802	3.4397	0.5326	2.1962	-1.9264	0.8025
638	34.9	34.3	0.5028	2.5577	0.3768	3.4374	0.5002	2.1702	-1.896	0.7745
639	34.9	34.1	0.5024	2.5604	0.3727	3.4355	0.4967	2.1192	-1.8599	0.7559
640	32.9	34	0.5027	2.5614	0.3702	3.4343	0.4845	2.1307	-1.8683	0.7468
641	31.9	33.7	0.5031	2.559	0.3708	3.4329	0.4575	2.1132	-1.8387	0.732
642	31.1	33.6	0.5047	2.5583	0.3706	3.4336	0.4299	2.0595	-1.7375	0.7519
643	31.1	33.4	0.5056	2.5563	0.3718	3.4337	0.4224	2.017	-1.6843	0.7551
644	29.9	33.3	0.5034	2.546	0.3855	3.4349	0.4346	1.9699	-1.6621	0.7424
645	31.5	33.2	0.5032	2.5466	0.3851	3.4349	0.4612	1.9411	-1.6421	0.7602
646	33	33.1	0.5036	2.5512	0.3797	3.4345	0.48	1.9305	-1.6401	0.7704
647	33	33.1	0.5023	2.5534	0.3767	3.4323	0.4947	1.9216	-1.6272	0.789
648	32.8	33.1	0.5043	2.558	0.3686	3.4308	0.5083	1.9021	-1.6116	0.7988
649	34.1	33.1	0.505	2.5598	0.3648	3.4296	0.5156	1.9042	-1.6322	0.7876
650	33.5	33.1	0.5009	2.5577	0.3693	3.4279	0.5058	1.8983	-1.6279	0.7762
651	33.6	33.3	0.4974	2.5524	0.3758	3.4256	0.4936	1.9151	-1.6314	0.7773
652	33.6	33.5	0.4943	2.5493	0.3817	3.4253	0.4955	1.9394	-1.66	0.7749
653	34	33.6	0.4912	2.549	0.3834	3.4237	0.5189	1.9051	-1.6454	0.7786
654	34.1	33.8	0.4896	2.5505	0.3823	3.4224	0.5321	1.8829	-1.6187	0.7963
655	34.5	33.9	0.4886	2.5515	0.3816	3.4217	0.5124	1.9087	-1.6112	0.81
656	34.9	33.9	0.4872	2.5518	0.3823	3.4213	0.4511	1.8851	-1.5564	0.7799
657	34	33.9	0.4833	2.5509	0.3867	3.4208	0.3945	1.8427	-1.4879	0.7493

658	35.5	34	0.4862	2.5475	0.3863	3.42	0.3857	1.7473	-1.3829	0.75
659	33.7	34	0.4866	2.5467	0.3877	3.4211	0.4153	1.6685	-1.3346	0.7491
660	34.7	34	0.4879	2.5457	0.3885	3.4221	0.4743	1.6564	-1.3725	0.7582
661	34.5	34	0.4875	2.5437	0.3913	3.4225	0.5001	1.6777	-1.4151	0.7627
662	34.5	34	0.4862	2.5403	0.3939	3.4203	0.4638	1.6492	-1.3595	0.7534
663	33.8	34	0.4834	2.5391	0.396	3.4185	0.4092	1.637	-1.3293	0.7168
664	32.8	34	0.4819	2.5392	0.3965	3.4175	0.3894	1.6314	-1.3143	0.7065
665	32.6	33.8	0.4788	2.5379	0.3982	3.4148	0.3726	1.6392	-1.2948	0.717
666	33.6	33.7	0.4764	2.5375	0.3985	3.4124	0.3476	1.6562	-1.2915	0.7122
667	34	33.7	0.4804	2.5385	0.3919	3.4109	0.381	1.4745	-1.1456	0.71
668	33.7	33.5	0.4841	2.5412	0.3861	3.4113	0.3912	1.2568	-0.9856	0.6625
669	34	33.4	0.487	2.5414	0.384	3.4124	0.3762	1.1012	-0.7964	0.6809
670	33.6	33.2	0.4895	2.5392	0.3832	3.4119	0.3815	0.8905	-0.6281	0.6439
671	34	33.1	0.4899	2.5354	0.3848	3.41	0.4113	0.6693	-0.4286	0.6521
672	34.1	32.9	0.4881	2.5313	0.3897	3.4091	0.4286	0.4366	-0.1886	0.6766
673	33	32.8	0.487	2.533	0.3894	3.4094	0.4466	0.2372	0.0132	0.6971
674	31.7	32.7	0.4864	2.5298	0.393	3.4091	0.4182	0.1272	0.149	0.6944
675	33.2	32.7	0.4864	2.5272	0.3929	3.4065	0.4045	0.0451	0.2234	0.673
676	33	32.6	0.4896	2.5286	0.3887	3.4069	0.4052	-0.0591	0.3404	0.6866
677	32.1	32.4	0.4895	2.5293	0.3888	3.4076	0.4083	-0.1358	0.4143	0.6868
678	32	32.3	0.4886	2.5274	0.3911	3.4071	0.4129	-0.1689	0.4482	0.6921
679	31.3	32.3	0.4877	2.5247	0.3942	3.4065	0.4003	-0.1845	0.4871	0.7029
680	31.3	32.2	0.4873	2.5265	0.3929	3.4068	0.4259	-0.1892	0.4646	0.7013
681	31.6	32	0.4879	2.528	0.3907	3.4067	0.4532	-0.1502	0.4157	0.7188
682	31.4	31.8	0.4877	2.5304	0.3877	3.4058	0.4717	-0.1174	0.3589	0.7132
683	31.7	31.7	0.4877	2.5312	0.3861	3.405	0.4693	-0.1451	0.409	0.7332
684	31.2	31.6	0.4872	2.5272	0.3895	3.4039	0.4693	-0.1597	0.4397	0.7492
685	32.4	31.4	0.4871	2.5245	0.3917	3.4033	0.4877	-0.0613	0.3159	0.7422
686	30.9	31.2	0.4863	2.5206	0.3972	3.4041	0.4965	0.0188	0.2304	0.7457
687	31.8	31.1	0.4858	2.5222	0.3971	3.4051	0.4575	0.0462	0.2224	0.7261
688	32.4	31	0.4854	2.5256	0.3932	3.4042	0.4239	0.0507	0.228	0.7026
689	31.9	30.9	0.4854	2.5245	0.3942	3.4042	0.3975	0.1146	0.1814	0.6935
690	31.3	30.8	0.4859	2.5262	0.3923	3.4044	0.3935	0.1554	0.1318	0.6806
691	29.9	30.6	0.4854	2.5322	0.3843	3.4019	0.3853	0.1689	0.1171	0.6713
692	30.2	30.6	0.4851	2.5365	0.3788	3.4004	0.4052	0.1455	0.1252	0.6758
693	30.5	30.5	0.4851	2.5413	0.3743	3.4007	0.419	0.129	0.1595	0.7075
694	30	30.4	0.4843	2.5443	0.3706	3.3992	0.4423	0.1008	0.1759	0.719

695	29.3	30.3	0.4836	2.5455	0.3679	3.3969	0.5133	0.0338	0.1889	0.7361
696	29.4	30.3	0.4831	2.5468	0.3651	3.395	0.4883	0.0533	0.1844	0.726
697	29.6	30.2	0.4826	2.5485	0.3625	3.3937	0.4895	0.1059	0.1255	0.7209
698	29.5	30.1	0.4821	2.5478	0.3626	3.3924	0.4782	0.1447	0.0776	0.7004
699	29.2	30	0.4817	2.5474	0.3632	3.3923	0.4973	0.1931	-0.0159	0.6745
700	29.5	30	0.4805	2.5451	0.3658	3.3914	0.529	0.205	-0.0738	0.6602
701	30.1	30	0.4798	2.5424	0.368	3.3901	0.5107	0.1674	-0.0269	0.6511
702	29.9	30.1	0.4799	2.5384	0.3725	3.3907	0.4712	0.1221	0.0405	0.6338
703	30	30.1	0.4794	2.5334	0.3762	3.389	0.4455	0.1044	0.0874	0.6373
704	30.9	30.1	0.479	2.5256	0.3824	3.3871	0.4204	0.1102	0.0962	0.6268
705	30.8	30.2	0.4816	2.5237	0.383	3.3883	0.4091	0.1351	0.0746	0.6188
706	29.5	30.4	0.4832	2.5254	0.3811	3.3897	0.4266	0.1573	0.0455	0.6294
707	30.4	30.5	0.4836	2.5323	0.3737	3.3896	0.4354	0.1645	0.046	0.6459
708	30.6	30.6	0.4829	2.5368	0.3685	3.3882	0.4025	0.1566	0.0946	0.6537
709	30	30.7	0.479	2.5368	0.37	3.3859	0.438	0.121	0.0991	0.658
710	30.6	30.8	0.4764	2.5332	0.3745	3.3841	0.4465	0.0923	0.1299	0.6687
711	31.5	30.9	0.4776	2.5324	0.3746	3.3847	0.4453	0.0695	0.1626	0.6774
712	30.9	31	0.4782	2.5298	0.3768	3.3848	0.4236	0.0514	0.2113	0.6862
713	30.5	31	0.4779	2.5275	0.3787	3.3841	0.3985	0.0367	0.2296	0.6648
714	31.5	31.1	0.4778	2.5235	0.3815	3.3828	0.3542	0.0124	0.2773	0.644
715	31.8	31.2	0.4779	2.5211	0.384	3.383	0.2941	-0.0378	0.3749	0.6312
716	31.9	31.3	0.4769	2.5222	0.3833	3.3824	0.2553	-0.0702	0.4243	0.6094
717	32.4	31.5	0.4767	2.5242	0.3808	3.3817	0.2611	-0.0671	0.3949	0.5889
718	30.8	31.6	0.4778	2.527	0.3765	3.3813	0.3197	-0.0632	0.3199	0.5764
719	31.2	31.7	0.4783	2.5313	0.3719	3.3815	0.3669	-0.0251	0.2386	0.5804
720	31.5	31.8	0.4783	2.5335	0.3702	3.382	0.3959	-0.005	0.206	0.5969
721	31.7	31.7	0.4771	2.5343	0.3704	3.3818	0.4127	-0.0319	0.219	0.5998
722	31.3	31.7	0.4727	2.5379	0.3699	3.3805	0.3959	-0.0889	0.2755	0.5826
723	31.8	31.7	0.4722	2.5404	0.3674	3.38	0.3752	-0.137	0.3326	0.5707
724	32.8	31.6	0.4708	2.5404	0.3681	3.3794	0.3438	-0.1162	0.3407	0.5682
725	31.9	31.5	0.4712	2.543	0.3624	3.3766	0.3385	-0.1342	0.3708	0.575
726	33.1	31.4	0.4696	2.544	0.3615	3.3751	0.3344	-0.1551	0.3819	0.5612
727	33.2	31.2	0.468	2.5447	0.3604	3.3731	0.371	-0.1256	0.3303	0.5757
728	32.4	31.2	0.467	2.5454	0.3611	3.3735	0.3797	-0.124	0.3389	0.5946
729	32	31.2	0.4651	2.5452	0.3624	3.3726	0.3796	-0.1396	0.3662	0.6062
730	30.4	31.1	0.4632	2.5457	0.3623	3.3712	0.3712	-0.1614	0.412	0.6218
731	30.1	31	0.4623	2.5458	0.3629	3.3711	0.368	-0.1426	0.42	0.6454

732	30.2	30.8	0.4611	2.5456	0.3636	3.3703	0.3751	-0.1232	0.3941	0.646
733	29.4	30.7	0.4604	2.5457	0.3639	3.37	0.3724	-0.102	0.3677	0.6381
734	29.8	30.5	0.4605	2.5464	0.3629	3.3698	0.3694	-0.0807	0.3497	0.6384
735	29.6	30.4	0.4611	2.5468	0.3612	3.3691	0.3563	-0.1016	0.3838	0.6385
736	29.8	30.2	0.462	2.5482	0.3589	3.3692	0.336	-0.1156	0.4087	0.6291
737	31	30	0.4626	2.5495	0.3574	3.3695	0.313	-0.1509	0.4768	0.6389
738	31	29.8	0.4631	2.5462	0.3587	3.368	0.2873	-0.1516	0.5096	0.6452
739	30.1	29.7	0.463	2.5449	0.3595	3.3674	0.2809	-0.1412	0.4888	0.6285
740	28.7	29.6	0.4642	2.5445	0.3585	3.3672	0.288	-0.1803	0.5339	0.6417
741	28.1	29.6	0.4626	2.5444	0.3583	3.3653	0.305	-0.206	0.5568	0.6557
742	29.1	29.5	0.4628	2.5454	0.3546	3.3628	0.3165	-0.1764	0.4908	0.6309
743	28.7	29.5	0.4613	2.5462	0.3542	3.3618	0.3274	-0.1299	0.4302	0.6277
744	29.9	29.4	0.4521	2.5426	0.3666	3.3613	0.3328	-0.0894	0.4088	0.6521
745	29.8	29.4	0.4544	2.5413	0.3666	3.3623	0.3305	-0.0835	0.3902	0.6372
746	29.2	29.3	0.4547	2.5406	0.3671	3.3624	0.3283	-0.0831	0.3737	0.6188
747	29.4	29.2	0.4544	2.5389	0.3689	3.3623	0.3201	-0.0546	0.3411	0.6066
748	29.3	29.1	0.4546	2.5387	0.3701	3.3634	0.3194	-0.0097	0.2922	0.6019
749	29.8	28.9	0.4521	2.5393	0.3722	3.3636	0.3187	-0.015	0.2904	0.5941
750	29.8	28.9	0.4498	2.541	0.372	3.3628	0.3299	-0.0196	0.2872	0.5975
751	28.6	28.9	0.4503	2.5402	0.3717	3.3622	0.3206	-0.0285	0.2886	0.5807
752	28.3	28.8	0.4498	2.5389	0.373	3.3616	0.3145	-0.0199	0.2805	0.5751
753	28.2	28.9	0.4492	2.538	0.3738	3.361	0.3094	-0.0345	0.3069	0.5817
754	28.9	28.9	0.4487	2.537	0.3748	3.3605	0.309	-0.0787	0.3332	0.5636
755	28.8	28.8	0.4459	2.5358	0.3771	3.3588	0.3002	-0.1673	0.407	0.54
756	29.3	28.8	0.4436	2.5353	0.3777	3.3567	0.3264	-0.2068	0.432	0.5516
757	28	28.9	0.443	2.5352	0.3772	3.3555	0.3543	-0.2064	0.4246	0.5724
758	27	28.9	0.4424	2.5354	0.3764	3.3542	0.3763	-0.1555	0.3635	0.5843
759	28.6	28.8	0.442	2.5375	0.3747	3.3542	0.3708	-0.1022	0.3227	0.5913
760	28.3	28.8	0.4433	2.5387	0.3723	3.3543	0.3237	-0.1008	0.3576	0.5804
761	28.2	28.8	0.4451	2.5386	0.3701	3.3539	0.2892	-0.1107	0.3902	0.5687
762	29.2	28.9	0.4463	2.5366	0.3709	3.3538	0.3052	-0.0843	0.3575	0.5784
763	29.7	28.9	0.4479	2.5379	0.3682	3.3541	0.3088	-0.0974	0.3663	0.5778
764	29.2	28.9	0.4525	2.543	0.359	3.3544	0.2978	-0.1048	0.3726	0.5655
765	29.7	28.9	0.4533	2.5449	0.3558	3.3539	0.2886	-0.131	0.3896	0.5472
766	29.7	28.8	0.4503	2.5442	0.359	3.3535	0.2895	-0.1631	0.4169	0.5432
767	29.4	28.8	0.4485	2.5449	0.3599	3.3532	0.2927	-0.1869	0.4379	0.5437
768	29.1	28.9	0.4474	2.5437	0.3622	3.3532	0.3134	-0.2128	0.4523	0.553

769	29	28.9	0.4475	2.5419	0.3634	3.3527	0.3457	-0.2301	0.4314	0.547
770	29.2	28.8	0.4482	2.5424	0.3613	3.3519	0.3447	-0.2255	0.4317	0.5509
771	29.5	28.8	0.4503	2.5443	0.3572	3.3518	0.336	-0.2394	0.4589	0.5556
772	28.1	28.6	0.4506	2.545	0.3564	3.352	0.3205	-0.2585	0.494	0.556
773	28.7	28.4	0.4526	2.5446	0.3553	3.3526	0.2748	-0.2383	0.5298	0.5664
774	28.8	28.2	0.4525	2.5432	0.3559	3.3516	0.2745	-0.2417	0.5463	0.5791
775	28.1	28	0.453	2.5427	0.3547	3.3504	0.2668	-0.2854	0.595	0.5764
776	28.8	27.8	0.4525	2.5412	0.3557	3.3493	0.2777	-0.2927	0.5737	0.5586
777	28	27.6	0.4516	2.5417	0.3549	3.3481	0.2789	-0.3066	0.5844	0.5567
778	28.3	27.4	0.4507	2.5414	0.3545	3.3465	0.2732	-0.2999	0.5751	0.5484
779	27.7	27.3	0.4505	2.5408	0.353	3.3444	0.2804	-0.2888	0.5733	0.5648
780	26.9	27.2	0.4505	2.5408	0.3509	3.3422	0.2697	-0.2872	0.5818	0.5644
781	25.6	27.1	0.4504	2.5404	0.3513	3.3421	0.2511	-0.2479	0.5558	0.559
782	26.2	27	0.4504	2.5406	0.351	3.342	0.2476	-0.2379	0.5518	0.5615
783	25.5	27	0.4507	2.5392	0.3511	3.3411	0.2299	-0.2241	0.5417	0.5475
784	25.7	26.9	0.4516	2.5374	0.3511	3.3401	0.2529	-0.2178	0.52	0.5551
785	25.7	26.9	0.4535	2.5361	0.3508	3.3404	0.2485	-0.2276	0.5361	0.557
786	25.6	26.8	0.455	2.5357	0.3496	3.3403	0.266	-0.2326	0.5194	0.5529
787	26.2	26.9	0.4571	2.5374	0.3461	3.3406	0.2791	-0.2391	0.5142	0.5542
788	27	26.9	0.4573	2.5397	0.3443	3.3413	0.2816	-0.2209	0.5034	0.5641
789	27.4	27	0.4566	2.5425	0.3408	3.34	0.2858	-0.2257	0.5024	0.5625
790	25.9	27.1	0.4554	2.5468	0.3366	3.3389	0.2966	-0.2588	0.5135	0.5513
791	27.4	27.2	0.4537	2.5498	0.3352	3.3388	0.3164	-0.2588	0.4995	0.5571
792	27.6	27.3	0.4523	2.5495	0.3358	3.3376	0.307	-0.2683	0.4968	0.5355
793	27.4	27.5	0.4518	2.5502	0.3335	3.3355	0.3189	-0.2795	0.4796	0.519
794	28.7	27.5	0.4512	2.5527	0.3316	3.3355	0.3077	-0.2676	0.4836	0.5237
795	27.4	27.6	0.4507	2.5538	0.3305	3.3351	0.2095	-0.3189	0.6341	0.5246
796	28.9	27.6	0.451	2.5523	0.3309	3.3343	0.2226	-0.3511	0.6641	0.5356
797	28.9	27.6	0.4507	2.5495	0.3333	3.3335	0.2192	-0.3705	0.6905	0.5393
798	29.2	27.6	0.4502	2.5493	0.3335	3.333	0.2238	-0.3964	0.7136	0.541
799	28.8	27.5	0.4487	2.5494	0.3345	3.3326	0.2383	-0.4127	0.7296	0.5552
800	28.2	27.6	0.4484	2.548	0.337	3.3334	0.2252	-0.4161	0.7553	0.5644
801	28	27.7	0.4483	2.5444	0.34	3.3326	0.2058	-0.4066	0.7648	0.564
802	28.1	27.7	0.4489	2.5418	0.3418	3.3326	0.2059	-0.4372	0.7865	0.5552
803	27	27.8	0.4485	2.5413	0.3429	3.3327	0.191	-0.4661	0.8362	0.5611
804	26.6	27.8	0.449	2.5423	0.3417	3.3331	0.1824	-0.4812	0.8567	0.5578
805	25.9	27.9	0.449	2.5444	0.3398	3.3332	0.1872	-0.4774	0.8452	0.5551

806	26.1	27.9	0.4477	2.5461	0.3387	3.3325	0.1727	-0.5085	0.8791	0.5433
807	26.4	27.9	0.446	2.5479	0.3373	3.3312	0.1506	-0.5249	0.9097	0.5353
808	26.3	27.9	0.4458	2.5471	0.3362	3.3291	0.1442	-0.5495	0.9383	0.533
809	27.6	27.9	0.4467	2.5469	0.3343	3.3278	0.125	-0.4989	0.9099	0.536
810	28.7	27.9	0.4474	2.5443	0.3355	3.3272	0.1168	-0.4451	0.8585	0.5302
811	28.5	27.9	0.4471	2.5408	0.3389	3.3268	0.1305	-0.3977	0.7985	0.5313
812	28.8	27.9	0.4473	2.5395	0.3402	3.327	0.1439	-0.3853	0.7531	0.5117
813	28.9	28	0.4481	2.538	0.3414	3.3275	0.1601	-0.3664	0.7258	0.5195
814	29	28	0.4489	2.5366	0.3426	3.3281	0.1315	-0.3407	0.7191	0.5098
815	29.5	28.1	0.449	2.5374	0.3423	3.3287	0.0216	-0.3992	0.8919	0.5143
816	29.4	28.2	0.4477	2.5409	0.3395	3.3281	-0.0916	-0.6293	1.2377	0.5169
817	28.9	28.2	0.4454	2.5454	0.3356	3.3264	-0.1078	-0.6611	1.2892	0.5203
818	28.5	28.3	0.4432	2.55	0.3334	3.3266	-0.1267	-0.6814	1.3367	0.5286
819	28	28.3	0.4438	2.5539	0.3288	3.3265	-0.1625	-0.7325	1.4221	0.5272
820	28.3	28.1	0.4447	2.5574	0.3244	3.3265	-0.1681	-0.7814	1.479	0.5295
821	28.2	28	0.445	2.5602	0.321	3.3262	-0.1566	-0.8105	1.4904	0.5233
822	27.7	27.9	0.4452	2.5617	0.317	3.3238	-0.1177	-0.8117	1.4932	0.5638
823	27.5	27.8	0.4448	2.5645	0.3128	3.3221	-0.1083	-0.8204	1.5042	0.5755
824	27.6	27.7	0.4441	2.569	0.3086	3.3217	-0.0562	-0.8086	1.4556	0.5908
825	27.5	27.5	0.4434	2.5723	0.3051	3.3207	-0.0219	-0.8001	1.4124	0.5903
826	27.7	27.4	0.4417	2.5747	0.303	3.3194	0.0312	-0.7584	1.316	0.5888
827	27.3	27.3	0.4407	2.5747	0.3029	3.3183	0.0751	-0.7032	1.2156	0.5875
828	27.1	27.2	0.439	2.5743	0.3038	3.3171	0.0761	-0.6751	1.1808	0.5818
829	26.4	27.2	0.4381	2.5739	0.3043	3.3162	0.0775	-0.6608	1.1576	0.5744
830	26.3	27.1	0.4381	2.5705	0.3068	3.3153	0.0845	-0.6295	1.1113	0.5663
831	27.2	27	0.4375	2.5696	0.3078	3.3149	0.1015	-0.5865	0.9969	0.512
832	26.8	27	0.4381	2.5681	0.3094	3.3156	0.1279	-0.5516	0.9369	0.5132
833	26.2	26.9	0.4351	2.5674	0.3119	3.3145	0.1256	-0.5748	0.9686	0.5193
834	26.3	26.9	0.4356	2.5692	0.3093	3.3141	0.1214	-0.6053	1.003	0.5191
835	27.1	26.9	0.4345	2.5701	0.3093	3.3138	0.1278	-0.6331	1.0279	0.5227
836	26.9	26.9	0.4341	2.5722	0.3074	3.3137	0.1468	-0.6453	1.0289	0.5304
837	27.5	26.9	0.4344	2.5716	0.307	3.313	0.1623	-0.6722	1.0355	0.5256
838	26.9	26.9	0.4345	2.5688	0.3085	3.3118	0.2006	-0.6353	0.9706	0.5358
839	26.4	27	0.4334	2.5708	0.3082	3.3123	0.212	-0.6172	0.9583	0.5531
840	26.6	27.1	0.4325	2.5704	0.3086	3.3115	0.2097	-0.5874	0.9248	0.5471
841	26.8	27.1	0.4319	2.5713	0.3086	3.3117	0.1912	-0.5218	0.8815	0.551
842	26.4	27.1	0.4309	2.5734	0.3067	3.3109	0.1737	-0.4733	0.853	0.5534

843	27.1	27.2	0.4306	2.573	0.3059	3.3094	0.1469	-0.4435	0.8318	0.5352
844	27.3	27.2	0.4311	2.5745	0.3032	3.3088	0.134	-0.4039	0.7761	0.5062
845	27.4	27.2	0.4321	2.5764	0.3002	3.3087	0.1205	-0.3804	0.7582	0.4984
846	27.6	27.2	0.4328	2.5776	0.298	3.3085	0.1042	-0.3939	0.7732	0.4835
847	27.4	27.1	0.4321	2.5785	0.2976	3.3082	0.1136	-0.4269	0.7881	0.4748
848	28.4	27.1	0.4308	2.5799	0.2972	3.3079	0.1194	-0.4892	0.8444	0.4746
849	28.7	27.1	0.4296	2.5809	0.2967	3.3071	0.1321	-0.5338	0.8861	0.4844
850	27.5	27.1	0.4292	2.5817	0.2955	3.3064	0.144	-0.5519	0.9238	0.5159
851	26.7	27	0.4297	2.5839	0.2931	3.3067	0.1496	-0.5709	0.9657	0.5444
852	27.1	27.1	0.4307	2.5855	0.2894	3.3055	0.0413	-0.6195	1.0401	0.4619
853	27.4	27	0.4309	2.5861	0.2881	3.3052	0.3654	-0.6668	1.0814	0.78
854	26.9	26.9	0.4299	2.5848	0.2903	3.305	0.5331	-0.7128	1.1296	0.9499
855	25.6	26.9	0.4287	2.5866	0.2892	3.3045	0.5238	-0.7188	1.1542	0.9593
856	27	26.8	0.4286	2.5878	0.2867	3.3031	0.5041	-0.6995	1.1691	0.9737
857	26.4	26.8	0.4286	2.5902	0.2834	3.3022	0.4872	-0.6847	1.1629	0.9653
858	26.6	26.7	0.4299	2.5853	0.2854	3.3006	0.4739	-0.6626	1.1451	0.9564
859	26	26.5	0.4303	2.582	0.2889	3.3012	0.4631	-0.6504	1.1358	0.9484
860	26.3	26.5	0.4303	2.5785	0.2924	3.3012	0.4603	-0.6446	1.109	0.9247
861	27.2	26.4	0.4308	2.5771	0.2948	3.3027	0.4586	-0.6685	1.1252	0.9152
862	25.3	26.3	0.4303	2.5732	0.2983	3.3018	0.439	-0.7062	1.1792	0.912
863	25.5	26.3	0.4348	2.572	0.2963	3.3031	0.4269	-0.7555	1.2576	0.929
864	26.6	26.2	0.4503	2.5829	0.2698	3.303	0.4281	-0.8452	1.3358	0.9187
865	26.8	26.3	0.4624	2.6078	0.232	3.3022	0.4278	-0.9185	1.4206	0.9299
866	26.8	26.3	0.4611	2.6103	0.2301	3.3015	0.4264	-0.9438	1.4524	0.9349
867	26.3	26.3	0.4611	2.613	0.2262	3.3003	0.409	-0.9539	1.4779	0.933
868	26.2	26.3	0.4636	2.6169	0.22	3.3005	0.3796	-0.9362	1.4765	0.9199
869	26.2	26.3	0.4643	2.62	0.2155	3.2998	0.3543	-0.8741	1.4546	0.9347
870	25.8	26.3	0.4639	2.6234	0.2123	3.2996	0.3418	-0.8289	1.4268	0.9397
871	25.6	26.3	0.4621	2.6254	0.2079	3.2954	0.3534	-0.8009	1.4039	0.9563
872	26	26.4	0.4614	2.627	0.206	3.2944	0.3741	-0.7841	1.3694	0.9594
873	26.4	26.4	0.4582	2.6255	0.2098	3.2935	0.3613	-0.7869	1.353	0.9274
874	27	26.4	0.4547	2.6232	0.2146	3.2926	0.3359	-0.7466	1.3229	0.9122
875	26.9	26.3	0.4498	2.6186	0.2231	3.2915	0.323	-0.6871	1.292	0.9279
876	26.1	26.2	0.445	2.6115	0.2341	3.2906	0.3082	-0.6637	1.2768	0.9213
877	25.9	26.2	0.4439	2.6092	0.2368	3.29	0.2888	-0.636	1.2465	0.8993
878	26.6	26.2	0.4429	2.6074	0.2387	3.2891	0.28	-0.6036	1.2235	0.8999
879	27.1	26.1	0.4421	2.6038	0.2419	3.2877	0.2679	-0.5929	1.2135	0.8885

880	26.6	26.1	0.4404	2.5995	0.2512	3.291	0.269	-0.5739	1.1925	0.8875
881	26.2	26.1	0.4376	2.5955	0.2577	3.2908	0.2711	-0.5925	1.2175	0.8961
882	25.9	26.1	0.4379	2.598	0.2541	3.29	0.2717	-0.6066	1.2276	0.8927
883	26.5	26.1	0.4386	2.5998	0.2508	3.2892	0.2944	-0.5966	1.2013	0.899
884	25.8	26	0.4388	2.6007	0.2483	3.2878	0.2661	-0.5753	1.1982	0.889
885	25	25.9	0.4388	2.6006	0.2479	3.2873	0.2747	-0.5678	1.1527	0.8596
886	25.5	25.9	0.4388	2.6029	0.246	3.2877	0.2663	-0.595	1.1798	0.8511
887	25.8	25.8	0.437	2.6009	0.2491	3.287	0.2637	-0.6114	1.2047	0.857
888	25.3	25.7	0.4361	2.6014	0.2485	3.286	0.2737	-0.6541	1.2456	0.8652
889	25.4	25.6	0.4357	2.6012	0.2484	3.2853	0.2819	-0.729	1.3049	0.8578
890	25.6	25.6	0.4363	2.599	0.2485	3.2838	0.1289	-0.7585	1.4975	0.8679
891	26.2	25.5	0.4364	2.5971	0.2499	3.2834	0.1456	-0.7178	1.4306	0.8584
892	25.7	25.4	0.4377	2.5938	0.2526	3.2841	0.2004	-0.6774	1.353	0.8761
893	25.3	25.3	0.4384	2.5906	0.2558	3.2849	0.2262	-0.6088	1.2664	0.8838
894	25.3	25.2	0.4391	2.5907	0.2558	3.2857	0.2221	-0.6012	1.2622	0.8831
895	25.5	25.2	0.4403	2.5932	0.2532	3.2867	0.2123	-0.6035	1.2651	0.8739
896	25.2	25.1	0.4397	2.595	0.2521	3.2868	0.2254	-0.5522	1.2085	0.8817
897	25.1	25	0.4388	2.5984	0.2489	3.2861	0.2331	-0.4906	1.1497	0.8922
898	25.2	25	0.437	2.6027	0.2449	3.2846	0.2237	-0.423	1.0915	0.8922
899	25.2	25	0.4343	2.6046	0.2422	3.281	0.2118	-0.3599	1.0514	0.9033
900	25.3	25	0.4334	2.6051	0.2404	3.2789	0.203	-0.3105	1.0094	0.9019
901	24.2	24.9	0.4442	2.6063	0.236	3.2864	0.1867	-0.2881	0.9992	0.8977
902	23.6	24.9	0.4124	2.6085	0.2337	3.2546	0.1773	-0.2705	0.9858	0.8926
903	24.3	25	0.3952	2.6126	0.2299	3.2377	0.1885	-0.2545	0.9392	0.8732
904	24.4	25	0.3966	2.6142	0.2263	3.2371	0.183	-0.2642	0.9401	0.8589
905	24	25	0.3986	2.6143	0.2229	3.2358	0.1673	-0.284	0.9759	0.8592
906	24.4	25	0.399	2.6145	0.2224	3.2359	0.1619	-0.2561	0.9598	0.8656
907	25	24.9	0.3986	2.6141	0.2228	3.2355	0.153	-0.259	0.9665	0.8606
908	24.9	24.9	0.3995	2.6121	0.2227	3.2342	0.145	-0.2599	0.9632	0.8483
909	25.3	24.9	0.4006	2.6114	0.2234	3.2354	0.1482	-0.3173	0.9833	0.8141
910	26	24.9	0.4016	2.6111	0.223	3.2357	0.1491	-0.3614	1.0385	0.8262
911	25.7	24.8	0.4032	2.6115	0.221	3.2356	0.128	-0.4557	1.1666	0.8389
912	26.5	24.8	0.4046	2.6151	0.2144	3.2341	0.1134	-0.5033	1.2336	0.8437
913	25.6	24.8	0.4053	2.6225	0.2079	3.2357	0.0868	-0.5525	1.31	0.8442
914	25.2	24.8	0.4061	2.6285	0.2005	3.2351	0.1178	-0.5764	1.3185	0.8599
915	24.9	24.8	0.4063	2.6318	0.1971	3.2352	0.2653	-0.4718	1.0602	0.8536
916	24.3	24.8	0.4068	2.6363	0.1917	3.2348	0.365	-0.2204	0.7012	0.8459

917	24.5	24.7	0.4074	2.6391	0.1879	3.2344	0.3372	-0.2053	0.7173	0.8492
918	25.5	24.6	0.4078	2.6374	0.1879	3.2331	0.3301	-0.2451	0.7519	0.837
919	24	24.5	0.4096	2.6368	0.1861	3.2325	0.3382	-0.2236	0.7372	0.8518
920	23.3	24.3	0.4094	2.6375	0.184	3.2308	0.3537	-0.1654	0.669	0.8573
921	24.5	24.2	0.4076	2.6386	0.1841	3.2303	0.3651	-0.1079	0.605	0.8622
922	24.3	24	0.4091	2.6404	0.1816	3.2311	0.3556	-0.0856	0.5608	0.8308
923	24.2	23.8	0.4112	2.6392	0.1805	3.2309	0.3653	-0.0829	0.5531	0.8356
924	23.3	23.7	0.4118	2.6377	0.1794	3.2289	0.356	-0.1185	0.6018	0.8394
925	23.8	23.6	0.4126	2.6386	0.1774	3.2286	0.3381	-0.1511	0.6498	0.8367
926	23.7	23.5	0.4129	2.6383	0.1784	3.2295	0.3021	-0.2054	0.7492	0.8458
927	23	23.5	0.4127	2.6351	0.1805	3.2283	0.2581	-0.2597	0.8492	0.8476
928	22.6	23.4	0.4122	2.6336	0.1824	3.2282	0.2655	-0.2513	0.8416	0.8558
929	22.7	23.4	0.4112	2.6313	0.185	3.2275	0.2643	-0.2592	0.84	0.8451
930	23.2	23.5	0.411	2.6297	0.185	3.2257	0.2733	-0.2998	0.8454	0.8189
931	23.2	23.5	0.4104	2.6303	0.185	3.2257	0.2559	-0.3352	0.9258	0.8465
932	22.4	23.5	0.4086	2.6277	0.1893	3.2257	0.2212	-0.4073	1.0288	0.8427
933	22.8	23.5	0.4085	2.625	0.1921	3.2256	0.2226	-0.4055	1.0042	0.8213
934	22.9	23.6	0.4081	2.6259	0.194	3.2281	0.2202	-0.4376	1.0379	0.8205
935	22.9	23.7	0.4078	2.6296	0.1913	3.2287	0.2244	-0.4774	1.0683	0.8153
936	23.9	23.7	0.4078	2.6333	0.187	3.228	0.2148	-0.4991	1.1056	0.8212
937	24	23.7	0.407	2.637	0.1825	3.2265	0.2032	-0.4625	1.1043	0.845
938	24.2	23.8	0.4063	2.6417	0.178	3.226	0.1793	-0.4248	1.105	0.8595
939	24.4	23.8	0.4205	2.6466	0.1584	3.2255	0.1654	-0.3845	1.0655	0.8463
940	24.7	23.9	0.418	2.6422	0.1655	3.2257	0.1649	-0.3384	1.0025	0.829
941	24.1	23.9	0.4119	2.639	0.1733	3.2241	0.1777	-0.3463	0.9886	0.82
942	24.7	23.9	0.4083	2.6342	0.18	3.2225	0.1673	-0.3769	1.0166	0.807
943	25.2	23.9	0.4084	2.6331	0.1797	3.2211	0.1684	-0.4385	1.077	0.8068
944	24.9	23.9	0.4099	2.6349	0.1767	3.2214	0.1663	-0.5255	1.1644	0.8052
945	24	24	0.4096	2.6316	0.1794	3.2206	0.1513	-0.6093	1.2653	0.8072
946	23.8	24	0.4095	2.6267	0.1831	3.2192	0.1672	-0.6375	1.2966	0.8262
947	23.7	24	0.4097	2.6208	0.1884	3.219	0.1734	-0.6371	1.3008	0.8371
948	23.9	24	0.4096	2.6159	0.192	3.2175	0.1486	-0.6132	1.2981	0.8335
949	23.6	23.9	0.4093	2.6119	0.1957	3.2169	0.1262	-0.5597	1.2596	0.8261
950	23	23.8	0.4106	2.6105	0.1956	3.2166	0.1005	-0.55	1.2478	0.7983
951	23.1	23.8	0.412	2.611	0.1945	3.2174	0.1115	-0.5256	1.1989	0.7848
952	23	23.7	0.4118	2.6109	0.1954	3.2182	0.2334	-0.4817	1.1105	0.8622
953	23.7	23.6	0.4126	2.6126	0.1941	3.2193	-0.0779	-0.4595	1.0755	0.5381

954	24.2	23.5	0.4132	2.6132	0.1927	3.2191	-0.2363	-0.4703	1.0845	0.3779
955	23.4	23.3	0.4125	2.6122	0.1932	3.2179	-0.2091	-0.4962	1.076	0.3707
956	23.7	23.3	0.4133	2.6137	0.1901	3.2171	-0.1882	-0.5179	1.0912	0.3852
957	24.6	23.3	0.4141	2.6161	0.1871	3.2173	-0.1886	-0.5487	1.1328	0.3955
958	23.4	23.2	0.4151	2.617	0.1871	3.2192	-0.1776	-0.5511	1.1349	0.4062
959	22.8	23.2	0.4154	2.6181	0.1851	3.2186	-0.1623	-0.5444	1.112	0.4053
960	22.9	23.2	0.4175	2.6241	0.1758	3.2173	-0.1536	-0.5211	1.0956	0.4209
961	23.6	23.3	0.4194	2.6275	0.1715	3.2183	-0.1504	-0.4533	1.0494	0.4458
962	23.3	23.3	0.4216	2.6285	0.1673	3.2174	-0.1412	-0.3816	0.9489	0.4261
963	22.5	23.3	0.423	2.6296	0.1645	3.2171	-0.1256	-0.2996	0.8237	0.3985
964	21.1	23.3	0.4238	2.6301	0.1638	3.2176	-0.1191	-0.1855	0.7177	0.4131
965	23	23.3	0.4259	2.6299	0.1619	3.2176	-0.105	-0.1025	0.6093	0.4018
966	22.9	23.3	0.4274	2.6308	0.1584	3.2166	-0.0847	-0.0649	0.5431	0.3935
967	23.8	23.3	0.4281	2.6375	0.151	3.2167	-0.0397	0.0011	0.4115	0.3729
968	23.6	23.3	0.4298	2.6393	0.1463	3.2153	-0.0181	0.031	0.3596	0.3726
969	23.2	23.4	0.4289	2.6366	0.1486	3.214	-0.0372	-0.0668	0.4784	0.3744
970	23.9	23.5	0.4274	2.6342	0.1518	3.2133	-0.0381	-0.1766	0.5792	0.3645
971	23.9	23.5	0.4265	2.634	0.1518	3.2123	-0.0444	-0.2186	0.6217	0.3587
972	23.9	23.6	0.4249	2.6353	0.1507	3.2109	-0.065	-0.21	0.6474	0.3724
973	23	23.7	0.4226	2.6373	0.1496	3.2096	-0.039	-0.1913	0.6227	0.3925
974	23.8	24	0.4209	2.6383	0.1497	3.2089	-0.0085	-0.1975	0.6045	0.3985
975	24.6	24	0.4196	2.6391	0.1482	3.207	0.0208	-0.1542	0.5616	0.4283
976	24.3	24.1	0.4192	2.6375	0.1492	3.2058	0.0317	-0.1328	0.5169	0.4157
977	23.5	24.2	0.4174	2.6343	0.1527	3.2044	0.0356	-0.1577	0.5343	0.4122
978	23.8	24.3	0.4165	2.6334	0.1547	3.2046	0.021	-0.2876	0.6857	0.419
979	24.4	24.3	0.4147	2.6337	0.1573	3.2058	0.0123	-0.3077	0.699	0.4037
980	24.6	24.3	0.4148	2.633	0.1586	3.2064	0.0064	-0.3222	0.7252	0.4094
981	24.8	24.3	0.4155	2.6363	0.1548	3.2065	-0.0034	-0.348	0.7466	0.3952
982	25.2	24.3	0.4156	2.6386	0.1537	3.2079	-0.0063	-0.3674	0.7696	0.3959
983	25.4	24.4	0.4166	2.6435	0.147	3.2072	-0.0357	-0.421	0.8639	0.4073
984	24.2	24.4	0.4163	2.6484	0.1415	3.2063	-0.0663	-0.4805	0.9445	0.3978
985	24.7	24.3	0.4173	2.6505	0.1374	3.2052	-0.0726	-0.4747	0.9632	0.4159
986	25.6	24.2	0.4185	2.6491	0.1356	3.2032	-0.0827	-0.4267	0.9409	0.4315
987	25	24.2	0.4191	2.6434	0.1386	3.2011	-0.0907	-0.3847	0.911	0.4357
988	24.2	24.1	0.4196	2.6399	0.1419	3.2014	-0.0997	-0.3558	0.8767	0.4212
989	23.5	24.1	0.4192	2.6351	0.1481	3.2024	-0.1158	-0.2866	0.8191	0.4167
990	23.2	24	0.4185	2.6336	0.1496	3.2018	0.0117	-0.2533	0.6472	0.4055

991	24.3	23.9	0.4196	2.6348	0.1483	3.2027	-0.0136	-0.3379	0.7206	0.3691
992	24.5	23.8	0.4208	2.6377	0.1449	3.2034	-0.0498	-0.3772	0.804	0.377
993	23.4	23.6	0.4218	2.6432	0.1394	3.2044	-0.0794	-0.447	0.8923	0.3658
994	22.9	23.6	0.424	2.6517	0.1293	3.2049	-0.0732	-0.4695	0.896	0.3533
995	23	23.6	0.4236	2.657	0.1235	3.2041	-0.0443	-0.4626	0.8542	0.3473
996	23.5	23.4	0.4223	2.6587	0.1221	3.2031	-0.0398	-0.4976	0.8731	0.3357
997	22.6	23.3	0.4239	2.6598	0.1191	3.2027	-0.0299	-0.5508	0.9117	0.331
998	22.9	23.2	0.4244	2.6586	0.119	3.202	-0.022	-0.6092	0.9653	0.3341
999	23.3	23.2	0.4242	2.6596	0.1174	3.2012	0.0063	-0.6444	0.9748	0.3368
1000	23.2	23.1	0.4223	2.6576	0.1205	3.2004	0.0101	-0.6949	1.0317	0.3469
1001	22.5	23	0.4208	2.6545	0.1249	3.2002	0.0242	-0.7351	1.0638	0.3529
1002	22.7	22.8	0.4202	2.6544	0.1261	3.2008	0.0366	-0.7455	1.0728	0.3639
1003	23.7	22.8	0.4188	2.6596	0.1214	3.1999	0.039	-0.7476	1.0842	0.3756
1004	23.7	22.7	0.4175	2.6638	0.1187	3.2001	0.03	-0.7249	1.0855	0.3907
1005	23.1	22.7	0.4174	2.6661	0.1138	3.1973	0.0158	-0.6911	1.054	0.3787
1006	23.1	22.7	0.4179	2.6694	0.1091	3.1964	0.0137	-0.6448	0.9989	0.3677
1007	22.5	22.7	0.4164	2.6692	0.1093	3.1949	0.0289	-0.5947	0.9318	0.366
1008	22	22.7	0.4157	2.6665	0.1115	3.1937	0.0301	-0.5543	0.8895	0.3653
1009	22.9	22.6	0.416	2.6635	0.1138	3.1933	0.0418	-0.5307	0.8751	0.3862
1010	22	22.5	0.4166	2.6565	0.118	3.1911	0.0602	-0.5247	0.8465	0.3821
1011	21.2	22.6	0.4173	2.6496	0.1261	3.193	0.0958	-0.4641	0.7394	0.3711
1012	22.1	22.5	0.4172	2.6451	0.1321	3.1943	0.1144	-0.4234	0.6962	0.3872
1013	22.3	22.5	0.4172	2.6411	0.1361	3.1943	0.1504	-0.3996	0.6331	0.3839
1014	22.6	22.5	0.4166	2.6387	0.1396	3.1949	0.1897	-0.387	0.5864	0.3892
1015	22.6	22.5	0.4148	2.6383	0.1427	3.1958	0.216	-0.3906	0.5741	0.3995
1016	22.5	22.5	0.4108	2.6362	0.1505	3.1975	0.2366	-0.4095	0.5724	0.3994
1017	22.6	22.4	0.4092	2.636	0.152	3.1972	0.2534	-0.4102	0.559	0.4022
1018	22.2	22.4	0.4115	2.6441	0.1401	3.1957	0.2743	-0.3429	0.4831	0.4145
1019	22.1	22.4	0.4134	2.6544	0.1282	3.196	0.2987	-0.3215	0.4217	0.3989
1020	22.7	22.4	0.4138	2.6594	0.1218	3.195	0.3021	-0.3509	0.4421	0.3934
1021	22.2	22.4	0.4141	2.6596	0.1194	3.1931	0.4016	-0.3278	0.2592	0.333
1022	23.5	22.4	0.4129	2.6595	0.1194	3.1918	0.8267	-0.1924	-0.549	0.0854
1023	22.7	22.3	0.412	2.6589	0.1201	3.191	0.8495	-0.3793	-0.063	0.4072
1024	23.3	22.3	0.4098	2.6531	0.1232	3.1861	0.8356	-0.2826	-0.1418	0.4112
1025	22.9	22.2	0.4094	2.6519	0.1257	3.187	0.8316	-0.2388	-0.1826	0.4102
1026	22.1	22.2	0.4093	2.654	0.125	3.1883	0.8233	-0.2272	-0.2049	0.3911
1027	21.8	22.3	0.4106	2.6638	0.1119	3.1864	0.8151	-0.2425	-0.1834	0.3892

1028	22.1	22.3	0.4109	2.6644	0.1125	3.1878	0.7934	-0.2661	-0.139	0.3883
1029	22.3	22.4	0.4105	2.6635	0.1125	3.1865	0.7839	-0.255	-0.1246	0.4043
1030	21.2	22.5	0.4113	2.6645	0.1104	3.1862	0.7671	-0.2305	-0.1062	0.4304
1031	21.1	22.5	0.411	2.667	0.108	3.1861	0.7578	-0.2176	-0.0868	0.4533
1032	22.1	22.5	0.4122	2.6698	0.1029	3.1849	0.746	-0.1597	-0.1189	0.4675
1033	21.3	22.6	0.4151	2.673	0.0977	3.1858	0.7335	-0.0998	-0.1498	0.4839
1034	21.7	22.6	0.4154	2.6734	0.0977	3.1865	0.7244	-0.0335	-0.2201	0.4708
1035	22.6	22.5	0.4161	2.6722	0.0972	3.1855	0.7088	-0.0118	-0.2611	0.4359
1036	23.2	22.6	0.4168	2.6718	0.0959	3.1845	0.7219	-0.0031	-0.3247	0.394
1037	23.6	22.6	0.417	2.6726	0.0948	3.1844	0.7456	-0.0285	-0.3442	0.3729
1038	23.6	22.6	0.4179	2.6703	0.0961	3.1843	0.7589	-0.1581	-0.2597	0.3411
1039	23.4	22.5	0.4193	2.6719	0.0937	3.185	0.7694	-0.2534	-0.1534	0.3625
1040	23.4	22.6	0.4193	2.676	0.0935	3.1887	0.7857	-0.315	-0.0797	0.3909
1041	23.7	22.6	0.4169	2.6767	0.0929	3.1864	0.7754	-0.3777	0.0107	0.4085
1042	23.3	22.5	0.4162	2.6789	0.0908	3.186	0.7705	-0.392	0.0398	0.4183
1043	23.2	22.5	0.4157	2.68	0.0901	3.1858	0.7697	-0.3531	0.0241	0.4407
1044	22.3	22.5	0.4143	2.6811	0.0913	3.1867	0.7662	-0.2763	0.0001	0.49
1045	22.6	22.4	0.4135	2.6814	0.0921	3.187	0.7794	-0.1365	-0.1424	0.5004
1046	22.7	22.4	0.4124	2.6818	0.0919	3.1861	0.7586	-0.0113	-0.2576	0.4898
1047	21.8	22.3	0.4119	2.6818	0.0919	3.1855	0.7335	0.0471	-0.2966	0.4839
1048	21.1	22.2	0.4089	2.6804	0.0946	3.1839	0.7406	0.0584	-0.3264	0.4726
1049	22.2	22.1	0.4083	2.6814	0.0926	3.1822	0.7356	0.0297	-0.3138	0.4515
1050	20.8	22	0.4081	2.684	0.0892	3.1813	0.7246	0.0368	-0.3195	0.442
1051	21.4	21.9	0.4083	2.6855	0.0872	3.181	0.6916	0.0107	-0.272	0.4302
1052	21.1	21.9	0.4079	2.6857	0.087	3.1806	0.6726	-0.0359	-0.2094	0.4273
1053	21.1	21.8	0.4096	2.685	0.0856	3.1803	0.6662	-0.0716	-0.1868	0.4079
1054	21.8	21.8	0.4116	2.6823	0.0873	3.1812	0.6561	-0.0372	-0.2354	0.3835
1055	21.8	21.8	0.4111	2.6767	0.0933	3.1811	0.6214	-0.0072	-0.2322	0.382
1056	21.5	21.9	0.4104	2.6732	0.0969	3.1805	0.6	-0.0101	-0.26	0.3299
1057	21.7	21.9	0.4111	2.6716	0.0981	3.1808	0.5761	0.0089	-0.2865	0.2985
1058	21.9	21.9	0.4109	2.6701	0.0996	3.1806	0.5283	-0.0132	-0.271	0.2441
1059	21.8	21.9	0.4094	2.6706	0.1004	3.1804	0.5015	-0.0603	-0.2311	0.2101
1060	22.3	22	0.4079	2.6705	0.1018	3.1802	0.4786	-0.115	-0.156	0.2077
1061	22.1	22	0.408	2.6698	0.1019	3.1796	0.4644	-0.1969	-0.0694	0.1981
1062	22.4	22	0.4066	2.6684	0.104	3.179	0.4537	-0.2861	0.0223	0.1899
1063	22.8	22	0.404	2.6683	0.1058	3.1782	0.4542	-0.3946	0.1492	0.2088
1064	22.6	22	0.4022	2.6691	0.1063	3.1777	0.4896	-0.4736	0.2314	0.2473

1065	23.1	22.1	0.4023	2.6708	0.1046	3.1777	0.5292	-0.5426	0.2951	0.2818
1066	22	22.2	0.402	2.6719	0.1025	3.1764	0.5632	-0.5754	0.3395	0.3273
1067	22.2	22.2	0.4007	2.6718	0.1027	3.1752	0.5682	-0.6142	0.4184	0.3724
1068	22.3	22.2	0.3999	2.6714	0.1041	3.1755	0.5901	-0.649	0.4455	0.3867
1069	22	22.2	0.3987	2.6717	0.1043	3.1747	0.6471	-0.6247	0.3768	0.3991
1070	21.4	22.2	0.3872	2.667	0.1258	3.18	0.6967	-0.568	0.2971	0.4259
1071	21.2	22.2	0.3439	2.6532	0.2067	3.2038	0.7292	-0.5547	0.2522	0.4268
1072	21.6	22.1	0.34	2.6732	0.157	3.1702	0.7595	-0.5832	0.24	0.4163
1073	21.9	22	0.3391	2.6656	0.1638	3.1684	0.7682	-0.6167	0.2618	0.4132
1074	22.7	21.9	0.3377	2.6622	0.1679	3.1679	0.7751	-0.6547	0.2959	0.4163
1075	23	21.8	0.3373	2.6619	0.1687	3.1678	0.7633	-0.7443	0.3589	0.3779
1076	22.1	21.7	0.3376	2.6617	0.1675	3.1669	0.7676	-0.7863	0.4074	0.3887
1077	22	21.7	0.3381	2.6609	0.1666	3.1656	0.7944	-0.7802	0.4012	0.4154
1078	22.3	21.7	0.3381	2.6589	0.1672	3.1641	0.8172	-0.6906	0.2619	0.3886
1079	21.9	21.7	0.338	2.6568	0.168	3.1628	0.8288	-0.704	0.2646	0.3893
1080	21.4	21.7	0.339	2.6547	0.1673	3.161	0.8338	-0.722	0.2733	0.385
1081	21.8	21.6	0.3409	2.6522	0.1667	3.1598	0.8569	-0.7241	0.2537	0.3864
1082	20.9	21.6	0.3422	2.6486	0.1687	3.1595	0.8668	-0.7115	0.2303	0.3857
1083	20.7	21.5	0.3441	2.6469	0.1691	3.1601	0.8904	-0.6926	0.1894	0.3872
1084	20.5	21.5	0.3455	2.6496	0.1676	3.1627	0.9231	-0.668	0.1379	0.393
1085	21.1	21.4	0.3451	2.6508	0.1698	3.1658	0.9363	-0.6787	0.1486	0.4062
1086	22	21.3	0.3439	2.652	0.17	3.1659	0.9431	-0.6934	0.1504	0.4001
1087	21.5	21.2	0.3432	2.6592	0.1645	3.167	0.945	-0.7118	0.1493	0.3825
1088	21.7	21.1	0.3426	2.6652	0.1573	3.1652	0.9506	-0.705	0.1502	0.3958
1089	21.4	21.1	0.3406	2.6666	0.1561	3.1633	0.9592	-0.7284	0.1736	0.4044
1090	20.4	21	0.341	2.6714	0.1485	3.1609	0.9712	-0.7173	0.1578	0.4116
1091	20.5	20.9	0.3426	2.674	0.1443	3.1609	0.9731	-0.667	0.1499	0.4561
1092	21.1	20.9	0.3438	2.673	0.1425	3.1594	0.9562	-0.6665	0.1465	0.4363
1093	21.7	20.8	0.3452	2.6708	0.1394	3.1554	0.9612	-0.6534	0.1248	0.4326
1094	20.7	20.8	0.3461	2.6653	0.1435	3.1549	0.9587	-0.66	0.1215	0.4202
1095	21	20.7	0.3477	2.6581	0.1493	3.1551	0.956	-0.6409	0.1377	0.4529
1096	20.5	20.6	0.349	2.654	0.1517	3.1547	0.9474	-0.6506	0.1478	0.4447
1097	21	20.5	0.3498	2.6539	0.1517	3.1555	0.9355	-0.6583	0.1526	0.4298
1098	20.7	20.4	0.3508	2.6557	0.1504	3.1568	0.9305	-0.6754	0.1616	0.4167
1099	19.7	20.3	0.3517	2.6559	0.1493	3.157	0.8951	-0.6981	0.2036	0.4006
1100	20.1	20.4	0.3531	2.6566	0.1477	3.1574	0.8818	-0.6924	0.1905	0.3799
1101	20.4	20.4	0.3536	2.6581	0.1458	3.1575	0.8895	-0.6692	0.1577	0.3781

1102	19.8	20.4	0.3536	2.6616	0.1448	3.16	0.8992	-0.6534	0.1285	0.3742
1103	19.3	20.4	0.3532	2.6633	0.145	3.1615	0.8844	-0.6509	0.1271	0.3606
1104	19.9	20.3	0.3554	2.6646	0.1419	3.1619	0.9008	-0.6596	0.1172	0.3583
1105	19.5	20.3	0.3574	2.6671	0.1398	3.1643	0.9296	-0.6896	0.1351	0.3751
1106	20.3	20.2	0.3603	2.6685	0.1378	3.1665	0.9358	-0.7464	0.1975	0.3869
1107	20.2	20.1	0.3635	2.6705	0.1364	3.1705	0.9361	-0.7816	0.2415	0.3959
1108	19.8	19.9	0.3656	2.6726	0.1346	3.1727	0.9466	-0.79	0.2655	0.4221
1109	21.4	19.9	0.3681	2.675	0.1294	3.1725	0.9413	-0.7817	0.2847	0.4443
1110	20.7	19.9	0.3702	2.6761	0.125	3.1713	0.902	-0.7519	0.2942	0.4443
1111	21.5	19.9	0.372	2.6782	0.1238	3.174	0.8736	-0.7314	0.3034	0.4456
1112	20.3	20	0.3717	2.6845	0.1171	3.1734	0.8765	-0.7318	0.2943	0.4391
1113	19.8	20.2	0.3682	2.6884	0.113	3.1696	0.8691	-0.7435	0.3057	0.4314
1114	20	20.3	0.3637	2.693	0.1101	3.1667	0.8501	-0.7415	0.3175	0.4261
1115	19.3	20.5	0.3585	2.6958	0.1088	3.1631	0.8319	-0.7326	0.3198	0.4192
1116	18.4	20.6	0.3539	2.6976	0.1087	3.1603	0.8413	-0.722	0.2995	0.4189
1117	18.7	20.6	0.3502	2.7009	0.1074	3.1585	0.8354	-0.7209	0.2872	0.4018
1118	19.2	20.7	0.3468	2.7065	0.1024	3.1558	0.8298	-0.724	0.2863	0.392
1119	19.5	20.7	0.3438	2.7112	0.0984	3.1534	0.817	-0.7308	0.2989	0.3851
1120	20.6	20.7	0.3409	2.7148	0.0966	3.1523	0.8007	-0.7293	0.2946	0.366
1121	21.9	20.6	0.3382	2.7179	0.0954	3.1514	0.6702	-0.763	0.5147	0.4219
1122	21.8	20.7	0.3361	2.7212	0.0932	3.1505	0.2375	-0.8983	1.3328	0.672
1123	22.6	20.7	0.3345	2.7244	0.0905	3.1494	0.2083	-0.6945	0.822	0.3358
1124	22.8	20.7	0.3334	2.7275	0.0873	3.1483	0.2022	-0.7697	0.8774	0.3099
1125	22.5	20.8	0.3326	2.7306	0.0849	3.1481	0.1731	-0.8076	0.9234	0.2889
1126	21.3	20.9	0.3299	2.7321	0.0848	3.1468	0.1715	-0.8195	0.9374	0.2894
1127	21.6	20.9	0.3289	2.7329	0.0857	3.1475	0.1889	-0.8283	0.9306	0.2912
1128	20.9	20.9	0.3281	2.7348	0.0861	3.1489	0.2084	-0.8445	0.9204	0.2843
1129	19.9	20.9	0.3272	2.7357	0.0852	3.148	0.2291	-0.8764	0.9235	0.2762
1130	21.1	20.9	0.3256	2.7369	0.085	3.1475	0.2459	-0.9018	0.9306	0.2747
1131	20.4	20.8	0.3243	2.7382	0.085	3.1475	0.2678	-0.9221	0.9231	0.2688
1132	20.2	20.8	0.3232	2.7391	0.084	3.1462	0.2981	-0.9477	0.9145	0.2649
1133	20.3	20.6	0.3228	2.7398	0.0839	3.1465	0.3209	-0.9869	0.9338	0.2678
1134	20.5	20.5	0.3218	2.7413	0.0829	3.1459	0.3408	-1.0036	0.9382	0.2754
1135	20.3	20.3	0.3218	2.7416	0.0822	3.1455	0.353	-0.9771	0.9253	0.3012
1136	19.5	20.2	0.3223	2.7429	0.0809	3.1462	0.3516	-0.9648	0.9408	0.3275
1137	19.5	20.1	0.3219	2.7431	0.0798	3.1448	0.3369	-0.9571	0.9416	0.3214
1138	19.9	20	0.322	2.7432	0.0787	3.1439	0.3376	-0.8757	0.8781	0.34

1139	20.5	20	0.3222	2.7437	0.0779	3.1438	0.3415	-0.8092	0.802	0.3343
1140	19.9	19.9	0.322	2.7427	0.0785	3.1431	0.3427	-0.8007	0.7833	0.3253
1141	21.1	19.8	0.3212	2.7434	0.0782	3.1428	0.3684	-0.7678	0.7074	0.308
1142	19.5	19.8	0.3201	2.7443	0.0783	3.1427	0.4068	-0.7466	0.6671	0.3273
1143	20.1	19.8	0.3198	2.746	0.0779	3.1438	0.4154	-0.7581	0.6594	0.3168
1144	19.3	19.8	0.3187	2.7452	0.0775	3.1414	0.4266	-0.7806	0.6313	0.2773
1145	19.1	19.8	0.3188	2.7464	0.0773	3.1425	0.427	-0.8333	0.6756	0.2693
1146	19.1	19.8	0.3189	2.7476	0.0766	3.1432	0.4443	-0.9016	0.7307	0.2735
1147	19.6	19.9	0.3189	2.7493	0.0757	3.1439	0.458	-0.9382	0.7533	0.2732
1148	19.8	19.9	0.3194	2.7502	0.0742	3.1438	0.4654	-0.9302	0.7488	0.284
1149	19	19.9	0.3201	2.7507	0.0735	3.1443	0.4703	-0.9077	0.7321	0.2947
1150	19.3	19.9	0.3192	2.7509	0.0735	3.1435	0.4741	-0.9018	0.7229	0.2952
1151	19.7	19.8	0.3184	2.7508	0.0744	3.1436	0.4887	-0.8895	0.7036	0.3028
1152	20.2	19.8	0.3195	2.7508	0.0743	3.1445	0.4978	-0.8688	0.6808	0.3098
1153	20.1	19.7	0.3195	2.751	0.0739	3.1444	0.4963	-0.833	0.6674	0.3306
1154	20.2	19.7	0.3187	2.7512	0.0738	3.1437	0.4902	-0.8122	0.6628	0.3408
1155	20.8	19.6	0.3175	2.7513	0.0736	3.1425	0.5125	-0.8046	0.627	0.3349
1156	20.3	19.6	0.3168	2.7513	0.0727	3.1409	0.5326	-0.7857	0.6023	0.3492
1157	20.7	19.6	0.3164	2.7506	0.0716	3.1386	0.5558	-0.7752	0.5829	0.3634
1158	21	19.6	0.3168	2.7483	0.0711	3.1361	0.5776	-0.7666	0.579	0.3899
1159	19.5	19.6	0.3192	2.7458	0.071	3.1359	0.5784	-0.755	0.5675	0.3909
1160	18.9	19.6	0.3205	2.7436	0.0715	3.1356	0.5795	-0.7364	0.5327	0.3757
1161	18.9	19.6	0.3203	2.743	0.0724	3.1357	0.5959	-0.7177	0.4952	0.3734
1162	18.7	19.6	0.3197	2.7428	0.0734	3.1359	0.6191	-0.692	0.4862	0.4133
1163	19.3	19.6	0.319	2.7425	0.0741	3.1356	0.6554	-0.6279	0.4087	0.4362
1164	18	19.6	0.319	2.7424	0.0744	3.1358	0.6365	-0.5828	0.3646	0.4183
1165	18.6	19.6	0.3181	2.743	0.0747	3.1358	0.6014	-0.537	0.342	0.4064
1166	19.1	19.6	0.3185	2.744	0.0738	3.1362	0.561	-0.5083	0.3343	0.387
1167	19.8	19.6	0.3177	2.7442	0.0741	3.136	0.5294	-0.484	0.3269	0.3723
1168	19	19.6	0.3182	2.7445	0.0742	3.1369	0.5032	-0.4399	0.3127	0.3759
1169	19.6	19.6	0.3186	2.7446	0.0749	3.1381	0.4667	-0.3794	0.2587	0.3459
1170	19.6	19.7	0.3202	2.7433	0.0744	3.1378	0.4448	-0.3238	0.2091	0.3301
1171	20.4	19.7	0.3201	2.7431	0.0734	3.1366	0.4283	-0.2774	0.1749	0.3258
1172	20.5	19.7	0.3191	2.7427	0.0748	3.1366	0.4063	-0.2566	0.1564	0.3061
1173	20.5	19.6	0.3189	2.7425	0.076	3.1374	0.3874	-0.2385	0.1346	0.2835
1174	20.1	19.6	0.3204	2.743	0.0756	3.139	0.3613	-0.2127	0.1207	0.2692
1175	20.9	19.7	0.3202	2.7438	0.075	3.1389	0.3368	-0.1864	0.0997	0.2501

1176	20.6	19.6	0.3187	2.7446	0.0745	3.1378	0.3254	-0.1624	0.0789	0.2419
1177	20.8	19.6	0.3172	2.7454	0.0745	3.1371	0.3086	-0.1526	0.081	0.2369
1178	19.9	19.6	0.3152	2.7465	0.0748	3.1365	0.3172	-0.147	0.0874	0.2575
1179	19.8	19.5	0.3134	2.747	0.0749	3.1353	0.3227	-0.1288	0.0855	0.2795
1180	19.2	19.4	0.3122	2.7469	0.075	3.1342	0.3281	-0.1194	0.0749	0.2836
1181	18.3	19.4	0.3111	2.747	0.0752	3.1333	0.3197	-0.1095	0.0728	0.283
1182	18.1	19.3	0.3102	2.7473	0.0753	3.1327	0.3233	-0.108	0.0632	0.2785
1183	18.5	19.3	0.3101	2.7472	0.0752	3.1325	0.318	-0.1069	0.0562	0.2672
1184	18.8	19.3	0.3102	2.7473	0.0751	3.1325	0.312	-0.1009	0.0631	0.2742
1185	18.9	19.1	0.31	2.7473	0.0758	3.1331	0.3023	-0.0798	0.0539	0.2764
1186	18.3	19.1	0.3102	2.7477	0.0758	3.1338	0.3045	-0.0717	0.0544	0.2871
1187	18.9	19.1	0.3095	2.7468	0.0767	3.133	0.3139	-0.0488	0.0425	0.3077
1188	18.5	19	0.3085	2.7462	0.0771	3.1317	0.3049	-0.0451	0.0272	0.287
1189	18.4	19	0.3063	2.7467	0.0778	3.1308	0.3002	-0.0431	0.0187	0.2758
1190	19.7	19	0.3042	2.7482	0.0778	3.1301	0.2901	-0.0334	0.0144	0.2711
1191	19.3	19	0.3019	2.7487	0.0776	3.1282	0.3001	-0.0406	0.0091	0.2686
1192	19.1	19.1	0.3023	2.7488	0.0766	3.1277	0.2915	-0.0393	-0.0075	0.2446
1193	20	19.2	0.3025	2.7489	0.0763	3.1276	0.2848	-0.0477	-0.0032	0.2339
1194	18.9	19.2	0.3034	2.7486	0.0759	3.128	0.2897	-0.0534	-0.011	0.2252
1195	20.4	19.2	0.3033	2.7483	0.0762	3.1278	0.2749	-0.0484	-0.0014	0.225
1196	19.3	19.2	0.3032	2.7478	0.0764	3.1274	0.2814	-0.0327	0.0062	0.2549
1197	19.3	19.2	0.3033	2.7469	0.0768	3.1271	0.2881	-0.0194	0.0077	0.2763
1198	19.4	19.2	0.3038	2.7464	0.0771	3.1273	0.3	-0.0126	0.0019	0.2892
1199	19.3	19.3	0.3043	2.7461	0.077	3.1275	0.3038	-0.0113	-0.0117	0.2808
1200	18.8	19.3	0.3043	2.7455	0.0774	3.1271	0.3078	-0.0059	-0.0193	0.2826
1201	19.2	19.3	0.3038	2.7449	0.0778	3.1265	0.3076	-0.0003	-0.0207	0.2866
1202	19.5	19.3	0.3039	2.7449	0.0781	3.1269	0.2964	0.0043	-0.0048	0.2959
1203	19.1	19.2	0.3042	2.7446	0.0787	3.1274	0.3004	0.0001	0.0018	0.3022
1204	18.8	19.2	0.3041	2.745	0.0792	3.1284	0.2859	-0.0262	0.0003	0.26
1205	18.3	19.1	0.3041	2.7457	0.0796	3.1294	0.2751	-0.0217	-0.0013	0.2521
1206	19.3	19.1	0.3047	2.746	0.0795	3.1302	0.2772	-0.0129	-0.0155	0.2488
1207	19.6	19.1	0.3058	2.7472	0.0785	3.1315	0.2615	-0.0113	-0.0257	0.2245
1208	19.2	19	0.3077	2.7481	0.0778	3.1336	0.248	-0.0107	-0.0407	0.1966
1209	19.1	19	0.3102	2.7486	0.0761	3.1349	0.2458	-0.0169	-0.0422	0.1867
1210	19.3	18.9	0.3106	2.7479	0.0754	3.134	0.2592	-0.0235	-0.0302	0.2054
1211	19.5	18.9	0.31	2.7474	0.0752	3.1327	0.2632	-0.0365	-0.0096	0.2171
1212	19	18.8	0.3062	2.7473	0.0763	3.1298	0.2469	-0.0385	0.007	0.2154

1213	18	18.8	0.3046	2.7467	0.0765	3.1278	0.2089	-0.0372	0.0223	0.194
1214	18.4	18.7	0.3035	2.7467	0.0759	3.1261	0.1992	-0.041	0.0309	0.1891
1215	19	18.8	0.3024	2.7467	0.0754	3.1244	0.1678	-0.0377	0.0478	0.1779
1216	19	18.7	0.301	2.746	0.076	3.123	0.1492	-0.0357	0.0528	0.1663
1217	19.1	18.7	0.2999	2.7448	0.0762	3.1209	0.1423	-0.0192	0.0482	0.1713
1218	18.1	18.7	0.3002	2.7445	0.0765	3.1212	0.1358	-0.0134	0.0453	0.1678
1219	18	18.6	0.2993	2.7436	0.0775	3.1204	0.1447	-0.0142	0.0457	0.1761
1220	18.8	18.6	0.2981	2.7426	0.0791	3.1197	0.1312	-0.0152	0.0631	0.179
1221	18.1	18.5	0.2975	2.7435	0.0797	3.1208	0.1282	-0.0312	0.0657	0.1628
1222	18.3	18.5	0.2974	2.745	0.0797	3.1222	0.1375	-0.0316	0.0569	0.1628
1223	18	18.5	0.2984	2.7457	0.0784	3.1225	0.1555	-0.0308	0.0638	0.1886
1224	18.5	18.5	0.2998	2.7462	0.0774	3.1233	0.1872	-0.0348	0.0738	0.2262
1225	18.9	18.6	0.3001	2.7468	0.0771	3.124	0.2334	-0.0349	0.0612	0.2597
1226	18.8	18.6	0.299	2.7473	0.0767	3.1231	0.2566	-0.0284	0.0412	0.2694
1227	19	18.6	0.2972	2.7476	0.077	3.1218	0.272	-0.0248	0.025	0.2722
1228	18.1	18.6	0.2958	2.7477	0.0775	3.121	0.2921	-0.0182	0.0163	0.2902
1229	18	18.7	0.2944	2.7476	0.0777	3.1197	0.2825	-0.0056	0.0115	0.2883
1230	18.8	18.6	0.2937	2.7479	0.0777	3.1192	0.2608	0.0019	0.0122	0.2749
1231	18.2	18.7	0.292	2.749	0.0787	3.1196	0.238	0.0032	0.0193	0.2605
1232	18.5	18.6	0.2914	2.7498	0.0784	3.1195	0.2047	0.0064	0.0239	0.235
1233	19.2	18.6	0.2916	2.7499	0.0776	3.1191	0.189	0.0105	0.0171	0.2166
1234	19.2	18.6	0.2915	2.7493	0.0775	3.1183	0.184	0.015	0.019	0.218
1235	19.2	18.5	0.2913	2.7488	0.0767	3.1168	0.1914	0.0132	0.0147	0.2194
1236	19.4	18.5	0.2909	2.7478	0.0767	3.1154	0.1917	-0.0038	0.0245	0.2125
1237	18.9	18.4	0.2915	2.7476	0.0771	3.1161	0.21	-0.0013	0.0323	0.2409
1238	18.8	18.4	0.292	2.7475	0.0768	3.1163	0.2204	-0.0183	0.038	0.2401
1239	17.9	18.4	0.2932	2.747	0.0765	3.1167	0.2085	-0.0272	0.0394	0.2207
1240	18.6	18.4	0.292	2.7467	0.0776	3.1163	0.1904	-0.0272	0.0513	0.2144
1241	17.7	18.4	0.2921	2.7473	0.079	3.1183	0.1641	-0.0112	0.0544	0.2073
1242	17.7	18.4	0.2916	2.7491	0.0786	3.1193	0.155	-0.0055	0.0428	0.1922
1243	17.5	18.4	0.2908	2.7514	0.079	3.1212	0.1865	-0.0087	0.0236	0.2013
1244	18.2	18.3	0.2912	2.75	0.0776	3.1189	0.2025	-0.0163	0.016	0.2022
1245	18	18.3	0.2907	2.7497	0.0767	3.117	0.2278	-0.0248	0.0144	0.2175
1246	18.1	18.2	0.2901	2.7496	0.0759	3.1155	0.223	-0.0338	0.0194	0.2087
1247	18.2	18.2	0.2889	2.7506	0.0755	3.115	0.1762	-0.0342	0.0322	0.1742
1248	18.3	18.2	0.2891	2.7513	0.0754	3.1157	0.1041	-0.0407	0.0574	0.1208
1249	17.8	18.2	0.2893	2.7512	0.0755	3.116	0.0777	-0.0408	0.0865	0.1234

1250	18.3	18.2	0.2884	2.7509	0.0755	3.1149	0.0621	-0.0452	0.1048	0.1217
1251	18.6	18.2	0.2888	2.7504	0.0748	3.114	0.0671	-0.0555	0.1129	0.1246
1252	18.5	18.2	0.2894	2.7508	0.0741	3.1143	0.0938	-0.0621	0.1136	0.1453
1253	18.8	18.3	0.291	2.7536	0.0738	3.1184	0.1484	-0.0641	0.1077	0.1919
1254	18.1	18.3	0.2911	2.7534	0.0739	3.1185	0.2082	-0.0721	0.0966	0.2327
1255	18.1	18.3	0.2898	2.7526	0.0751	3.1176	0.2383	-0.0672	0.09	0.2611
1256	18.5	18.2	0.2906	2.7525	0.0753	3.1184	0.2315	-0.0558	0.0979	0.2737
1257	18.6	18.2	0.2916	2.7516	0.0757	3.1189	0.2229	-0.042	0.107	0.288
1258	18.4	18.2	0.2922	2.7499	0.0753	3.1175	0.2404	-0.0141	0.083	0.3094
1259	18	18.2	0.2932	2.7481	0.074	3.1154	0.2704	0.0034	0.0614	0.3352
1260	18.7	18.2	0.2942	2.7473	0.0725	3.1139	0.3002	0.0118	0.0339	0.3459
1261	17.8	18.1	0.2956	2.7468	0.0717	3.1142	0.3015	-0.0108	0.0308	0.3215
1262	18.2	18	0.2988	2.7465	0.0712	3.1165	0.2963	-0.0159	0.0318	0.3122
1263	18.2	17.9	0.2991	2.7466	0.071	3.1167	0.2408	-0.0122	0.0485	0.277
1264	18.3	17.8	0.3022	2.7462	0.0696	3.118	0.2073	-0.0121	0.0587	0.2539
1265	17.5	17.7	0.3032	2.7466	0.0694	3.1192	0.1734	-0.007	0.0627	0.229
1266	17.8	17.5	0.3042	2.7459	0.0689	3.119	0.1395	-0.0086	0.067	0.1979
1267	18	17.4	0.3041	2.7455	0.0696	3.1192	0.1164	-0.0191	0.0834	0.1806
1268	17.6	17.3	0.3037	2.7459	0.0697	3.1193	0.0964	-0.0345	0.0871	0.1491
1269	17.7	17.3	0.3055	2.7461	0.0686	3.1202	0.1187	-0.0372	0.0737	0.1552
1270	16.7	17.1	0.3074	2.7464	0.0678	3.1216	0.1285	-0.0467	0.0776	0.1594
1271	16.7	17.1	0.3063	2.7462	0.0677	3.1203	0.1129	-0.0631	0.096	0.1458
1272	16.6	17	0.3036	2.7458	0.0684	3.1177	0.0954	-0.0522	0.1113	0.1545
1273	16.1	16.8	0.3001	2.746	0.0687	3.1148	0.0909	-0.0361	0.1107	0.1655
1274	16.1	16.8	0.2971	2.7464	0.0695	3.113	0.1129	-0.0317	0.0922	0.1734
1275	16.2	16.8	0.2945	2.7466	0.0708	3.112	0.1275	-0.0233	0.077	0.1811
1276	16.7	16.7	0.2915	2.7471	0.072	3.1106	0.0936	-0.0095	0.0818	0.1658
1277	16.6	16.7	0.288	2.7472	0.0729	3.1081	0.085	-0.0055	0.0794	0.1588
1278	16.6	16.7	0.2869	2.7471	0.0737	3.1077	0.0695	-0.013	0.0818	0.1382
1279	16.3	16.7	0.2874	2.7468	0.0737	3.1078	0.0565	-0.0215	0.0897	0.1246
1280	16.4	16.7	0.2884	2.7466	0.0731	3.1081	0.0483	-0.0279	0.0962	0.1167
1281	16.1	16.7	0.2906	2.7464	0.0728	3.1098	0.0506	-0.0312	0.0979	0.1172
1282	15.8	16.7	0.2913	2.7462	0.0736	3.1111	0.0381	-0.0218	0.1077	0.124
1283	17.5	16.7	0.2917	2.7457	0.0733	3.1107	0.0431	-0.0153	0.1021	0.1298
1284	17.3	16.8	0.291	2.746	0.0736	3.1106	0.0531	-0.0158	0.0901	0.1274
1285	16.1	16.8	0.2908	2.7477	0.0733	3.1118	0.0647	-0.0235	0.0843	0.1256
1286	17.3	16.7	0.2892	2.7478	0.0726	3.1097	0.0734	-0.0325	0.0801	0.121

1287	17.9	16.7	0.2874	2.7486	0.0729	3.109	0.082	-0.0509	0.0847	0.1158
1288	17.5	16.8	0.2876	2.7489	0.0731	3.1097	0.0938	-0.0552	0.1015	0.1401
1289	17.3	16.8	0.2873	2.7494	0.0726	3.1093	0.1042	-0.0559	0.1054	0.1537
1290	16.7	16.9	0.2877	2.7493	0.0724	3.1094	0.1305	-0.0641	0.1015	0.1679
1291	16.6	17	0.2864	2.7493	0.0733	3.109	0.1255	-0.0627	0.1115	0.1743
1292	16.9	17.1	0.2837	2.7497	0.0742	3.1076	0.1303	-0.0524	0.1256	0.2035
1293	16.4	17.2	0.2823	2.7505	0.0747	3.1074	0.1374	-0.0317	0.1167	0.2224
1294	16.5	17.2	0.2806	2.7511	0.0745	3.1062	0.1333	-0.0101	0.1164	0.2395
1295	16.3	17.3	0.281	2.7516	0.0743	3.1069	0.1343	-0.0206	0.0966	0.2103
1296	16.4	17.3	0.2856	2.7512	0.0732	3.11	0.1337	-0.0228	0.0825	0.1934
1297	16.9	17.3	0.2929	2.751	0.0711	3.115	0.1308	-0.0224	0.0719	0.1803
1298	17.5	17.3	0.296	2.7505	0.0685	3.115	0.1182	-0.0114	0.0704	0.1772
1299	17.8	17.3	0.2981	2.7506	0.0666	3.1153	0.13	-0.0028	0.0672	0.1944
1300	18	17.3	0.2975	2.7511	0.0661	3.1147	0.1378	-0.0014	0.0633	0.1997
1301	18.5	17.2	0.2944	2.7512	0.0664	3.112	0.1378	-0.0037	0.0605	0.1945
1302	18.7	17.2	0.2891	2.7513	0.0673	3.1077	0.1562	-0.0096	0.0435	0.1901
1303	18.1	17.2	0.2834	2.7518	0.069	3.1042	0.167	-0.0094	0.0336	0.1911
1304	17.6	17.2	0.2803	2.7517	0.0702	3.1023	0.1717	0.0187	0.041	0.2314
1305	17.7	17.2	0.281	2.7512	0.0698	3.102	0.1542	0.0136	0.0622	0.23
1306	17.5	17.2	0.2824	2.7502	0.0688	3.1014	0.144	0.0041	0.0787	0.2268
1307	17.4	17.2	0.2817	2.7486	0.0702	3.1006	0.1547	0.0023	0.0843	0.2413
1308	16.6	17.2	0.2807	2.7477	0.0717	3.1001	0.165	-0.0027	0.0856	0.2478
1309	16.6	17.1	0.2802	2.7474	0.0727	3.1003	0.1744	-0.0155	0.0803	0.2392
1310	16.4	17	0.2805	2.749	0.0724	3.1018	0.1944	-0.0336	0.0632	0.224
1311	16	16.9	0.2804	2.749	0.072	3.1015	0.2071	-0.0423	0.0432	0.208
1312	16.6	16.8	0.2821	2.7485	0.0714	3.1021	0.2126	-0.0459	0.0339	0.2006
1313	16.1	16.7	0.2839	2.7479	0.0706	3.1024	0.2311	-0.048	0.032	0.2151
1314	16.4	16.6	0.2862	2.7474	0.0696	3.1032	0.2261	-0.049	0.0365	0.2137
1315	17.1	16.6	0.2884	2.7475	0.0687	3.1046	0.2573	-0.0584	0.0267	0.2256
1316	16.3	16.5	0.2894	2.7479	0.0677	3.105	0.2791	-0.0584	0.0263	0.247
1317	16.8	16.5	0.2902	2.7483	0.0674	3.106	0.2997	-0.0683	0.0299	0.2613
1318	16.7	16.5	0.2883	2.7482	0.0692	3.1057	0.3	-0.0687	0.0423	0.2736
1319	16.5	16.5	0.2864	2.7483	0.0698	3.1045	0.2841	-0.066	0.0493	0.2673
1320	15.7	16.5	0.2868	2.7489	0.0695	3.1051	0.2953	-0.0715	0.0426	0.2664
1321	16.8	16.6	0.288	2.7488	0.0686	3.1054	0.3261	-0.07	0.0327	0.2888
1322	16.6	16.6	0.2883	2.7487	0.0687	3.1056	0.3271	-0.0714	0.0324	0.2881
1323	16.2	16.6	0.2871	2.7489	0.0692	3.1051	0.2964	-0.0758	0.0453	0.2659

1324	16.5	16.6	0.287	2.7485	0.0697	3.1052	0.2587	-0.0755	0.0527	0.2359
1325	16.6	16.6	0.2907	2.7477	0.0689	3.1074	0.216	-0.0711	0.0676	0.2125
1326	16.8	16.5	0.2905	2.7479	0.0688	3.1072	0.1837	-0.0686	0.0803	0.1953
1327	16.5	16.5	0.2902	2.7489	0.0688	3.108	0.1567	-0.0604	0.0916	0.1878
1328	17	16.5	0.2901	2.7498	0.0686	3.1085	0.134	-0.0571	0.1019	0.1788
1329	16.8	16.5	0.2895	2.7504	0.068	3.108	0.1299	-0.0611	0.1072	0.176
1330	16.8	16.6	0.2886	2.751	0.0679	3.1075	0.1356	-0.0642	0.1068	0.1782
1331	16.8	16.6	0.2882	2.7512	0.0679	3.1072	0.1402	-0.0578	0.1126	0.1951
1332	16.5	16.7	0.2871	2.7513	0.0682	3.1065	0.146	-0.0643	0.1203	0.2019
1333	16.2	16.8	0.2863	2.7515	0.0686	3.1064	0.1553	-0.0599	0.1326	0.2279
1334	16.3	16.9	0.2851	2.7516	0.0691	3.1057	0.1689	-0.0653	0.126	0.2296
1335	15.7	16.9	0.284	2.752	0.0687	3.1047	0.1559	-0.0609	0.1344	0.2294
1336	16.3	16.9	0.2827	2.7529	0.0682	3.1039	0.1533	-0.0426	0.1342	0.245
1337	16	17	0.2821	2.7531	0.0669	3.1021	0.141	-0.043	0.1299	0.2279
1338	16.9	17	0.2815	2.7531	0.0663	3.1009	0.1152	-0.0422	0.14	0.2129
1339	17.3	17	0.2801	2.7534	0.0664	3.0999	0.1065	-0.0301	0.1448	0.2212
1340	17.8	16.9	0.2795	2.753	0.0664	3.0988	0.1022	-0.0167	0.1366	0.222
1341	18.2	16.9	0.279	2.7525	0.0664	3.098	0.1113	-0.016	0.1309	0.2262
1342	18.7	16.9	0.2779	2.7522	0.0669	3.0971	0.1074	-0.0166	0.1323	0.2231
1343	17.5	16.9	0.2775	2.7524	0.0674	3.0973	0.0895	-0.0107	0.1392	0.2179
1344	16.8	16.9	0.2778	2.7521	0.068	3.0979	0.0776	-0.003	0.1446	0.2192
1345	17.6	16.9	0.2773	2.752	0.0684	3.0977	0.0566	0.0022	0.1458	0.2047
1346	17.5	16.9	0.277	2.7518	0.0687	3.0975	0.0567	0.0073	0.1463	0.2103
1347	16.9	16.9	0.277	2.7517	0.0685	3.0972	0.1049	0.0009	0.1332	0.2389
1348	16.3	16.9	0.2761	2.7516	0.0686	3.0963	0.1857	-0.0022	0.1064	0.2899
1349	16.3	16.9	0.2755	2.7514	0.0691	3.096	0.222	-0.0083	0.0726	0.2863
1350	15.8	16.8	0.2746	2.7513	0.0695	3.0954	0.2449	-0.0071	0.0553	0.2931
1351	16.6	16.8	0.2732	2.7514	0.0705	3.095	0.2408	-0.0038	0.0514	0.2884
1352	16.7	16.6	0.2727	2.7517	0.0708	3.0952	0.2026	-0.0012	0.0525	0.2539
1353	16.3	16.6	0.2738	2.7518	0.0697	3.0953	0.1494	-0.0003	0.0594	0.2085
1354	15.9	16.6	0.2757	2.752	0.0677	3.0955	0.1046	0.0027	0.073	0.1804
1355	16.2	16.5	0.2754	2.7522	0.0673	3.0949	0.0858	-0.0003	0.0672	0.1527
1356	16.6	16.5	0.2752	2.7522	0.0669	3.0943	0.1111	-0.0037	0.055	0.1624
1357	16.4	16.5	0.2751	2.7519	0.0671	3.0941	0.127	-0.0167	0.0466	0.157
1358	16.5	16.6	0.2748	2.7515	0.0673	3.0935	0.1241	-0.0309	0.0624	0.1557
1359	16.7	16.6	0.2738	2.7515	0.0677	3.093	0.1072	-0.0437	0.0832	0.1467
1360	17	16.6	0.2735	2.7515	0.0681	3.0931	0.0892	-0.0456	0.1039	0.1474

1361	16.4	16.6	0.2744	2.7514	0.0683	3.0941	0.0834	-0.0295	0.1081	0.162
1362	16.2	16.5	0.2757	2.7513	0.068	3.095	0.0613	-0.0326	0.1174	0.1462
1363	16.7	16.5	0.2765	2.7515	0.0673	3.0953	0.071	-0.035	0.1056	0.1415
1364	17.3	16.6	0.2765	2.752	0.0669	3.0954	0.0687	-0.0358	0.1019	0.1348
1365	17.2	16.6	0.2753	2.7524	0.0668	3.0945	0.0544	-0.0356	0.106	0.1249
1366	17.1	16.6	0.2743	2.7527	0.0659	3.0929	0.0754	-0.0369	0.0968	0.1354
1367	17	16.5	0.2741	2.7524	0.0653	3.0919	0.09	-0.0326	0.0896	0.1471
1368	16.8	16.5	0.2753	2.7525	0.0647	3.0926	0.0998	-0.0288	0.0962	0.1672
1369	16.1	16.5	0.276	2.7533	0.0643	3.0936	0.0774	-0.0328	0.1219	0.1664
1370	15.8	16.5	0.2748	2.7534	0.0645	3.0927	0.0626	-0.0311	0.1287	0.1602
1371	15.8	16.5	0.2736	2.7534	0.0645	3.0915	0.0767	-0.0252	0.1251	0.1766
1372	16.5	16.4	0.2739	2.7533	0.0639	3.0911	0.0982	-0.0271	0.1112	0.1824
1373	16.7	16.4	0.2743	2.7536	0.0634	3.0912	0.1087	-0.0266	0.1067	0.1888
1374	16.5	16.3	0.2755	2.7536	0.0627	3.0917	0.0894	-0.0265	0.1117	0.1746
1375	16.1	16.2	0.2761	2.7535	0.0628	3.0924	0.0889	-0.0348	0.1142	0.1683
1376	15.9	16.2	0.2759	2.7531	0.0628	3.0918	0.1312	-0.0458	0.1036	0.189
1377	16	16.1	0.2746	2.7529	0.0627	3.0902	0.1222	-0.0473	0.1129	0.1878
1378	15.6	16.1	0.2739	2.7532	0.063	3.0901	0.1049	-0.0347	0.1281	0.1984
1379	16.9	16.1	0.2738	2.7532	0.063	3.09	0.1025	-0.0189	0.1303	0.2139
1380	16.7	16.1	0.2744	2.7524	0.0618	3.0886	0.1072	-0.0088	0.1234	0.2218
1381	15.7	16.1	0.276	2.7528	0.0608	3.0896	0.1079	-0.0025	0.1187	0.2241
1382	15.7	16.1	0.2757	2.7522	0.0603	3.0883	0.1089	0.0021	0.1146	0.2256
1383	15.6	16	0.2748	2.7523	0.0607	3.0878	0.103	0.0098	0.1111	0.224
1384	16	16	0.2754	2.7521	0.0601	3.0877	0.105	0.0119	0.1077	0.2246
1385	16.4	15.9	0.2755	2.752	0.0599	3.0873	0.1046	0.0055	0.1038	0.2139
1386	15.9	15.9	0.2751	2.7521	0.0596	3.0869	0.1041	0.0048	0.0949	0.2038
1387	16.1	15.8	0.2759	2.7528	0.0589	3.0877	0.0829	0.0098	0.1015	0.1941
1388	16.1	15.8	0.277	2.7519	0.0587	3.0875	0.0793	0.0069	0.0931	0.1793
1389	15.5	15.7	0.2771	2.7511	0.059	3.0871	0.0728	0.0071	0.0921	0.1721
1390	16.1	15.6	0.2766	2.7509	0.0593	3.0868	0.0614	0.0119	0.0882	0.1616
1391	15.7	15.5	0.2757	2.7509	0.0601	3.0867	0.0489	0.0079	0.0883	0.1451
1392	15.9	15.5	0.2747	2.7508	0.0603	3.0858	0.0371	0.0027	0.0875	0.1272
1393	15.5	15.5	0.2745	2.7508	0.0602	3.0855	0.0248	-0.0023	0.0933	0.1158
1394	15.1	15.5	0.2749	2.7509	0.0599	3.0858	0.0288	-0.007	0.0953	0.117
1395	15.1	15.4	0.2753	2.7509	0.0596	3.0859	0.0049	-0.0084	0.1187	0.1152
1396	14.9	15.4	0.2751	2.7511	0.0598	3.0861	-0.0007	-0.0065	0.1295	0.1223
1397	14.7	15.4	0.2743	2.7512	0.0604	3.086	0.0022	-0.0038	0.1329	0.1314

1398	15.2	15.4	0.2738	2.7513	0.0612	3.0864	0	-0.0065	0.1368	0.1303
1399	14.8	15.4	0.2736	2.7513	0.061	3.086	-0.0088	-0.0032	0.1436	0.1316
1400	14.4	15.4	0.2735	2.7514	0.0609	3.0858	-0.0054	-0.005	0.1501	0.1397
1401	15.2	15.3	0.2741	2.7513	0.0611	3.0866	-0.0001	0.0007	0.1488	0.1493
1402	15.7	15.3	0.2742	2.7514	0.0614	3.0869	-0.0072	0.0027	0.1571	0.1526
1403	15.9	15.3	0.2729	2.7515	0.0617	3.0861	0.0047	0.0086	0.1443	0.1576
1404	15.4	15.3	0.2717	2.7518	0.0635	3.087	0.009	0.0202	0.1322	0.1614
1405	15.7	15.4	0.2699	2.7516	0.0643	3.0858	0.0012	0.0245	0.1103	0.1359
1406	15.7	15.4	0.2697	2.7519	0.0641	3.0857	-0.0149	0.0253	0.1055	0.116
1407	15.7	15.5	0.2693	2.7517	0.064	3.085	-0.0344	0.0245	0.0999	0.09
1408	15.8	15.6	0.27	2.7521	0.0633	3.0854	-0.053	0.0182	0.1049	0.0701
1409	15.6	15.6	0.2712	2.752	0.0624	3.0856	-0.0652	0.0101	0.1088	0.0537
1410	15.3	15.7	0.2721	2.7519	0.0616	3.0856	-0.0624	0.0071	0.1051	0.0497
1411	14.8	15.7	0.2743	2.7523	0.0603	3.0868	-0.0698	0.007	0.1218	0.059
1412	15.7	15.8	0.275	2.752	0.0609	3.0879	-0.0463	0.0089	0.1225	0.0852
1413	15.5	15.8	0.277	2.7515	0.0604	3.0889	-0.0263	0.0099	0.1171	0.1007
1414	16	15.8	0.2808	2.751	0.059	3.0907	-0.0122	-0.0001	0.1046	0.0923
1415	16.2	15.8	0.2809	2.7512	0.059	3.0911	-0.0055	0.0051	0.0992	0.0988
1416	16.3	15.8	0.2804	2.7512	0.0587	3.0903	-0.0102	0.0053	0.1035	0.0986
1417	16.1	15.9	0.2803	2.7512	0.0578	3.0893	-0.0004	0.006	0.0934	0.099
1418	16.3	15.9	0.2806	2.7515	0.057	3.089	0.0013	0.005	0.0903	0.0966
1419	16	16	0.2802	2.7514	0.0569	3.0885	0.0245	0.0073	0.0853	0.1171
1420	15.3	16	0.2791	2.7514	0.057	3.0875	0.0568	0.009	0.078	0.1438
1421	16.5	16.1	0.2782	2.7515	0.0575	3.0871	0.0522	0.0158	0.0783	0.1462
1422	16.1	16.1	0.2774	2.7513	0.058	3.0867	0.0505	0.0107	0.0781	0.1393
1423	15.9	16.1	0.2781	2.7515	0.058	3.0877	0.0549	0.0113	0.0724	0.1387
1424	16.1	16.1	0.2781	2.752	0.0583	3.0884	0.0542	0.0138	0.0648	0.1328
1425	15.8	16	0.2776	2.7523	0.0585	3.0885	0.0783	0.0145	0.0554	0.1481
1426	15.9	16	0.2783	2.7526	0.0575	3.0884	0.0607	0.0119	0.0696	0.1422
1427	16.6	15.9	0.2797	2.7524	0.056	3.0881	0.0442	0.0054	0.0824	0.1321
1428	16.7	15.8	0.2799	2.7517	0.0555	3.0871	-0.0482	0.0246	0.0931	0.0695
1429	16.4	15.8	0.2788	2.7513	0.0557	3.0858	-0.0952	0.0351	0.0954	0.0352
1430	16.1	15.7	0.2778	2.7513	0.056	3.0851	-0.1257	0.04	0.1016	0.0159
1431	15.5	15.6	0.2773	2.7509	0.0565	3.0847	-0.1444	0.0401	0.0879	-0.0165
1432	15.7	15.6	0.2768	2.7503	0.057	3.0841	-0.1673	0.0507	0.0848	-0.0318
1433	15.9	15.5	0.2758	2.7503	0.0578	3.0839	-0.1901	0.0443	0.0845	-0.0613
1434	15.4	15.4	0.2746	2.7511	0.0587	3.0843	-0.2177	0.0462	0.0884	-0.083

1435	15.1	15.4	0.2736	2.7515	0.0592	3.0843	-0.2173	0.0466	0.08	-0.0908
1436	14.9	15.3	0.2745	2.7519	0.0581	3.0845	-0.2258	0.0476	0.0759	-0.1023
1437	14.8	15.2	0.2742	2.7524	0.0576	3.0842	-0.2057	0.049	0.0619	-0.0948
1438	15	15.2	0.2743	2.7524	0.0571	3.0837	-0.1619	0.0548	0.0404	-0.0667
1439	14.4	15.2	0.274	2.7522	0.0575	3.0837	-0.1018	0.0441	0.021	-0.0367
1440	14.7	15.1	0.2746	2.7522	0.0576	3.0843	-0.0539	0.0347	0.0126	-0.0066
1441	14.7	15.2	0.2753	2.7523	0.0577	3.0853	-0.005	0.0227	-0.0005	0.0172
1442	15	15.2	0.2754	2.7525	0.0576	3.0855	0.0473	0.0059	-0.0152	0.038
1443	14.6	15.2	0.2746	2.7531	0.0579	3.0856	0.0993	-0.0097	-0.0342	0.0554
1444	14.3	15.2	0.2773	2.7529	0.0561	3.0864	0.1524	-0.0209	-0.0588	0.0727
1445	14.8	15.2	0.2774	2.7526	0.0555	3.0855	0.1888	-0.0278	-0.0813	0.0796
1446	15.6	15.3	0.2768	2.7522	0.0554	3.0844	0.216	-0.0305	-0.0929	0.0926
1447	15.8	15.3	0.277	2.7523	0.0548	3.0842	0.234	-0.0276	-0.0969	0.1095
1448	16.1	15.4	0.2769	2.7519	0.0543	3.0831	0.2398	-0.0251	-0.0971	0.1176
1449	15.3	15.5	0.276	2.7519	0.0541	3.082	0.242	-0.0265	-0.0917	0.1238
1450	15.8	15.5	0.2747	2.7512	0.0546	3.0805	0.2497	-0.0287	-0.0955	0.1255
1451	16.2	15.5	0.2739	2.7511	0.0548	3.0798	0.2522	-0.0245	-0.0963	0.1314
1452	15.8	15.5	0.2723	2.7508	0.0563	3.0794	0.264	-0.0176	-0.0942	0.1522
1453	15.5	15.5	0.2729	2.7497	0.0565	3.0791	0.2659	-0.0155	-0.0868	0.1636
1454	16.1	15.5	0.2756	2.7496	0.0567	3.0819	0.2525	-0.021	-0.0799	0.1516
1455	15.4	15.5	0.2769	2.7497	0.0567	3.0833	0.2454	-0.0173	-0.0611	0.167
1456	15.8	15.4	0.2786	2.7498	0.0569	3.0853	0.228	-0.0147	-0.0525	0.1609
1457	16.2	15.3	0.2804	2.7501	0.0566	3.0871	0.2329	-0.0102	-0.054	0.1687
1458	16	15.3	0.2813	2.7505	0.0564	3.0882	0.2301	-0.0102	-0.0497	0.1702
1459	15.2	15.2	0.28	2.7508	0.0572	3.088	0.2376	-0.0116	-0.0546	0.1714
1460	15.2	15.2	0.2805	2.7508	0.0559	3.0872	0.2495	-0.015	-0.0597	0.1748
1461	13.9	15.1	0.279	2.7505	0.0561	3.0856	0.2572	-0.0119	-0.0711	0.1742
1462	15.4	15.1	0.2783	2.7503	0.0563	3.0849	0.2731	-0.0064	-0.0765	0.1902
1463	14.9	15.1	0.2777	2.7515	0.0569	3.0861	0.2832	-0.0027	-0.0713	0.2092
1464	14.5	15.1	0.277	2.7515	0.057	3.0855	0.3023	-0.0103	-0.0707	0.2213
1465	13.9	15.1	0.2763	2.7519	0.0564	3.0846	0.3478	-0.0207	-0.0851	0.242
1466	14	15	0.2743	2.7521	0.0566	3.083	0.3517	-0.0233	-0.0858	0.2425
1467	15.2	15	0.274	2.7519	0.0563	3.0822	0.3388	-0.0406	-0.0842	0.2141
1468	14.3	14.9	0.2729	2.7518	0.0562	3.0809	0.3015	-0.0298	-0.0812	0.1906
1469	14.9	14.9	0.2703	2.7524	0.0565	3.0792	0.2996	-0.0231	-0.0805	0.196
1470	15.1	14.9	0.2695	2.7518	0.0567	3.0781	0.2787	-0.02	-0.0733	0.1855
1471	15.5	14.9	0.2686	2.7523	0.0567	3.0776	0.2604	-0.019	-0.0671	0.1744

1472	15.8	14.9	0.2684	2.7522	0.0566	3.0773	0.2492	-0.0147	-0.0653	0.1692
1473	15.2	14.9	0.2689	2.7522	0.0569	3.078	0.2409	-0.0131	-0.0627	0.165
1474	15.2	14.9	0.2677	2.7521	0.0572	3.0769	0.2513	-0.0072	-0.063	0.181
1475	14.8	14.9	0.2701	2.7523	0.0558	3.0782	0.2606	-0.005	-0.0628	0.1928
1476	14.9	15	0.2715	2.7526	0.0546	3.0786	0.2688	-0.004	-0.0635	0.2013
1477	15.2	14.9	0.2794	2.7505	0.0534	3.0833	0.2809	0	-0.0827	0.1983
1478	14.8	15	0.2835	2.7497	0.0534	3.0866	0.3	-0.0046	-0.098	0.1975
1479	14.9	14.9	0.2864	2.7492	0.0528	3.0884	0.3045	-0.013	-0.0971	0.1945
1480	15	14.8	0.2888	2.7484	0.053	3.0902	0.2887	-0.0131	-0.0871	0.1884
1481	14.3	14.6	0.2927	2.7477	0.0523	3.0928	0.2741	-0.0105	-0.075	0.1886
1482	14.5	14.4	0.2947	2.7478	0.0519	3.0944	0.267	-0.0168	-0.0654	0.1847
1483	14.6	14.2	0.2965	2.7477	0.0519	3.0961	0.2588	-0.0219	-0.0546	0.1824
1484	15.3	14.1	0.2972	2.7474	0.0522	3.0967	0.2466	-0.0208	-0.0458	0.1799
1485	14.6	14	0.298	2.7472	0.0523	3.0975	0.2274	-0.0127	-0.0346	0.1801
1486	14.8	13.8	0.2957	2.7472	0.0534	3.0964	0.2147	0.0014	-0.0242	0.1919
1487	14.4	13.7	0.2921	2.7474	0.0549	3.0943	0.2214	0.0128	-0.0356	0.1986
1488	13.5	13.7	0.2872	2.7475	0.0566	3.0912	0.22	0.0208	-0.0389	0.202
1489	13.1	13.7	0.2825	2.7476	0.0577	3.0878	0.2227	0.0261	-0.0449	0.2039
1490	12.3	13.7	0.2771	2.7486	0.0593	3.085	0.2268	0.027	-0.0445	0.2094
1491	12	13.7	0.2709	2.7503	0.0616	3.0828	0.238	0.0245	-0.0461	0.2164
1492	12.1	13.8	0.2648	2.7517	0.0637	3.0802	0.2386	0.0256	-0.0402	0.224
1493	12.2	13.8	0.2593	2.7529	0.0661	3.0782	0.2302	0.0285	-0.0371	0.2215
1494	12.7	13.8	0.2561	2.7537	0.0681	3.0778	0.2195	0.0359	-0.0326	0.2228
1495	12.8	13.8	0.2537	2.7539	0.0689	3.0766	0.2488	0.0372	-0.0462	0.2398
1496	13.1	13.9	0.2517	2.7539	0.0695	3.0751	0.2554	0.0316	-0.0562	0.2308
1497	14	13.9	0.2503	2.7537	0.0702	3.0742	0.2585	0.0238	-0.0608	0.2215
1498	15.1	14	0.2496	2.754	0.0704	3.074	0.2574	0.0147	-0.0697	0.2024
1499	14.9	14.1	0.2487	2.7542	0.0706	3.0734	0.2484	0.0121	-0.0812	0.1793
1500	15.1	14.2	0.2482	2.7539	0.0706	3.0727	0.2413	0.0177	-0.0868	0.1722
1501	14.9	14.4	0.2477	2.753	0.0706	3.0713	0.2237	0.0061	-0.0814	0.1485
1502	14.7	14.5	0.2476	2.7529	0.07	3.0705	0.2186	0.0021	-0.0845	0.1362
1503	15.3	14.6	0.2477	2.7536	0.0697	3.071	0.1972	-0.0005	-0.0706	0.126
1504	15.6	14.8	0.2472	2.7535	0.0696	3.0703	0.1947	-0.0168	-0.0656	0.1123
1505	15.9	14.8	0.2471	2.7531	0.0695	3.0697	0.2317	-0.0231	-0.0665	0.1421
1506	15.4	14.9	0.2464	2.7529	0.0695	3.0688	0.2538	-0.028	-0.0651	0.1607
1507	15.3	14.9	0.2463	2.7527	0.069	3.068	0.269	-0.0327	-0.0563	0.1801
1508	14.9	14.8	0.2462	2.7533	0.0688	3.0683	0.2829	-0.0256	-0.0511	0.2062

1509	14.5	14.8	0.2463	2.7535	0.0683	3.0681	0.2831	-0.0114	-0.0472	0.2245
1510	14.3	14.7	0.2464	2.7531	0.0687	3.0682	0.2626	0.0002	-0.0364	0.2264
1511	14.5	14.7	0.247	2.7529	0.0679	3.0678	0.2638	0.0099	-0.0406	0.2332
1512	14.6	14.6	0.2467	2.7523	0.068	3.067	0.241	0.0281	-0.0348	0.2343
1513	15.2	14.6	0.2468	2.7525	0.0675	3.0668	0.2288	0.0437	-0.0486	0.2239
1514	14.5	14.5	0.246	2.753	0.0675	3.0665	0.2184	0.055	-0.0591	0.2143
1515	14.4	14.3	0.2457	2.7535	0.0676	3.0668	0.2095	0.0507	-0.0633	0.1969
1516	13.2	14.2	0.2465	2.7552	0.0671	3.0688	0.2069	0.0495	-0.0687	0.1877
1517	13.9	14.2	0.2501	2.7541	0.0659	3.0702	0.1839	0.0445	-0.0583	0.1701
1518	14.3	14.2	0.2506	2.7538	0.065	3.0694	0.1712	0.0386	-0.0529	0.1569
1519	14.1	14.1	0.2523	2.7534	0.0642	3.0699	0.1533	0.0273	-0.052	0.1287
1520	14	14.1	0.253	2.7533	0.0637	3.07	0.1265	0.0225	-0.0511	0.0979
1521	13.8	14.1	0.2533	2.7529	0.064	3.0702	0.1239	0.0054	-0.0478	0.0815
1522	14.1	14.1	0.2533	2.7526	0.0643	3.0702	0.1105	0.0046	-0.044	0.0712
1523	13.6	14	0.253	2.7522	0.0643	3.0696	0.1043	0.003	-0.043	0.0643
1524	13.3	13.9	0.2521	2.7525	0.0645	3.0691	0.1027	0.0077	-0.0399	0.0706
1525	14	13.9	0.2508	2.7527	0.0649	3.0683	0.0862	0.0022	-0.029	0.0595
1526	14.2	13.9	0.2502	2.7526	0.0658	3.0686	0.1104	-0.002	-0.0406	0.0678
1527	14.5	13.9	0.2497	2.7528	0.0658	3.0684	0.1273	0.0005	-0.0496	0.0782
1528	14.1	13.8	0.2494	2.753	0.0652	3.0677	0.2053	-0.0233	-0.0523	0.1297
1529	13.8	13.8	0.2499	2.7526	0.0644	3.067	0.2427	-0.0314	-0.0496	0.1617
1530	14.2	13.8	0.2504	2.7523	0.0635	3.0662	0.276	-0.0311	-0.0607	0.1842
1531	14	13.8	0.2506	2.7526	0.063	3.0662	0.3134	-0.0421	-0.0649	0.2065
1532	13.4	13.8	0.2509	2.7525	0.0625	3.0659	0.3526	-0.0504	-0.0708	0.2313
1533	13.6	13.8	0.2512	2.7524	0.0624	3.0659	0.3757	-0.0541	-0.0754	0.2462
1534	13.8	13.8	0.2519	2.7523	0.0621	3.0663	0.3959	-0.0543	-0.0774	0.2642
1535	13.6	13.9	0.2521	2.7514	0.0617	3.0652	0.4073	-0.0557	-0.076	0.2756
1536	13.3	13.9	0.2523	2.7506	0.0616	3.0646	0.4302	-0.058	-0.0711	0.3011
1537	13.7	13.8	0.2521	2.7504	0.0615	3.064	0.4142	-0.0573	-0.0559	0.301
1538	13.9	13.7	0.252	2.7498	0.0615	3.0633	0.3817	-0.0536	-0.0422	0.2859
1539	13.8	13.8	0.2513	2.7495	0.062	3.0628	0.3421	-0.0503	-0.0256	0.2661
1540	13.4	13.8	0.2508	2.7497	0.0622	3.0627	0.3034	-0.0488	-0.0153	0.2393
1541	13.7	13.7	0.2515	2.7497	0.0617	3.0629	0.2567	-0.0367	-0.0002	0.2198
1542	14.3	13.7	0.2524	2.7496	0.0613	3.0633	0.1979	-0.0169	0.0226	0.2036
1543	13.8	13.7	0.2527	2.7495	0.0611	3.0633	0.1392	-0.0022	0.0457	0.1826
1544	14.4	13.8	0.2524	2.7492	0.0607	3.0624	0.0915	0.0075	0.0693	0.1684
1545	13.9	13.8	0.2518	2.7495	0.0611	3.0624	0.0675	0.0153	0.089	0.1718

1546	12.9	13.8	0.2509	2.7498	0.0615	3.0622	0.0513	0.0184	0.1009	0.1706
1547	13.5	13.9	0.2513	2.7509	0.0618	3.064	0.036	0.017	0.1067	0.1597
1548	14.2	13.9	0.2521	2.7507	0.0624	3.0652	0.0206	0.0149	0.1145	0.15
1549	14.2	13.9	0.2519	2.7501	0.0628	3.0648	-0.0011	0.0122	0.1286	0.1397
1550	13.7	13.9	0.2523	2.7506	0.0627	3.0656	-0.035	0.0128	0.1446	0.1224
1551	13.1	13.9	0.252	2.7509	0.0632	3.0662	-0.0603	0.0172	0.1548	0.1116
1552	13.7	13.9	0.2525	2.7509	0.0634	3.0668	-0.0663	0.0085	0.1531	0.0952
1553	14.3	13.9	0.2534	2.7514	0.0631	3.0679	-0.0646	0.0058	0.1475	0.0887
1554	13.9	13.9	0.2524	2.7519	0.0633	3.0677	-0.0647	0.0128	0.1416	0.0897
1555	13.9	13.9	0.2515	2.7525	0.0632	3.0672	-0.0688	0.0157	0.1355	0.0824
1556	14.4	14	0.2517	2.7531	0.0625	3.0673	-0.0738	0.0151	0.1371	0.0783
1557	14.1	14	0.2521	2.7526	0.0617	3.0665	-0.0961	0.0149	0.1459	0.0647
1558	14	14	0.253	2.7516	0.0611	3.0657	-0.0894	0.0149	0.1385	0.064
1559	14.1	14	0.2538	2.7508	0.0608	3.0654	-0.0786	0.0171	0.1267	0.0653
1560	14	13.9	0.2541	2.7498	0.06	3.0639	-0.0761	0.0162	0.1176	0.0577
1561	14.5	14	0.2549	2.7477	0.0596	3.0622	-0.0861	0.0095	0.1309	0.0542
1562	14.1	13.9	0.2554	2.7459	0.0612	3.0625	-0.1002	0.0052	0.1385	0.0436
1563	14.1	13.9	0.2559	2.746	0.0628	3.0646	-0.0991	0	0.141	0.0418
1564	14.1	13.9	0.2561	2.7464	0.0633	3.0658	-0.139	0.0083	0.1532	0.0225
1565	13.7	13.9	0.2556	2.7469	0.0633	3.0658	-0.1878	0.0201	0.1644	-0.0033
1566	14.2	13.9	0.2559	2.7477	0.0624	3.066	-0.1821	0.0229	0.1717	0.0126
1567	13.9	13.9	0.2569	2.748	0.0616	3.0665	-0.1764	0.047	0.1675	0.0381
1568	13.6	13.9	0.2575	2.7491	0.0614	3.068	-0.124	0.0327	0.1471	0.0558
1569	13.3	14	0.2576	2.7501	0.0616	3.0694	-0.1097	0.0236	0.1253	0.0392
1570	13.3	14	0.2572	2.7513	0.0615	3.0699	-0.068	0.0182	0.095	0.0452
1571	13.3	14	0.2575	2.7518	0.0611	3.0705	-0.0468	0.0183	0.0788	0.0502
1572	13.8	14	0.258	2.7519	0.0609	3.0708	-0.0384	0.013	0.0752	0.0498
1573	13.9	14.1	0.2586	2.7514	0.0609	3.0709	-0.0312	0.0021	0.0742	0.045
1574	14.2	14.1	0.259	2.7519	0.0601	3.071	-0.0208	-0.004	0.0696	0.0448
1575	14	14.1	0.259	2.7525	0.0599	3.0714	-0.0165	-0.0014	0.0698	0.052
1576	14.5	14.1	0.2587	2.7525	0.0595	3.0708	-0.0322	-0.0021	0.0791	0.0449
1577	14.2	14.1	0.2589	2.7528	0.0586	3.0703	-0.0514	-0.0055	0.0967	0.0398
1578	14.8	14.2	0.2592	2.7528	0.0584	3.0704	-0.0669	-0.0032	0.1055	0.0354
1579	14.3	14.2	0.2588	2.7523	0.0589	3.07	-0.0702	0.0002	0.1044	0.0344
1580	14.5	14.2	0.2575	2.7526	0.0595	3.0696	-0.0497	-0.0035	0.0922	0.039
1581	14.9	14.3	0.2575	2.7528	0.0594	3.0696	-0.0297	-0.009	0.0804	0.0417
1582	14.6	14.3	0.2572	2.7532	0.0594	3.0698	-0.0207	-0.0048	0.0749	0.0495

1583	14.6	14.3	0.257	2.7531	0.0596	3.0697	-0.0176	-0.0022	0.07	0.0503
1584	14.4	14.3	0.2564	2.753	0.0597	3.0692	-0.0087	-0.0037	0.0613	0.0489
1585	14.4	14.3	0.255	2.753	0.0594	3.0674	0.0029	-0.0048	0.0533	0.0514
1586	14	14.3	0.2543	2.753	0.059	3.0663	0.0085	-0.0165	0.0451	0.0372
1587	13.9	14.2	0.2539	2.7527	0.0591	3.0658	0.003	-0.023	0.0518	0.0318
1588	14.4	14.2	0.253	2.7525	0.0591	3.0646	-0.0021	-0.027	0.0511	0.0219
1589	14.1	14.2	0.2521	2.7525	0.0592	3.0638	0.0052	-0.0332	0.0473	0.0193
1590	14.1	14.1	0.2514	2.7523	0.0593	3.0631	0.013	-0.0393	0.0492	0.0229
1591	14.1	14	0.2512	2.752	0.0593	3.0625	0.0177	-0.0393	0.0544	0.0328
1592	13.8	14	0.2509	2.7519	0.0592	3.062	0.0286	-0.039	0.0544	0.044
1593	14.1	14	0.2501	2.7521	0.0591	3.0614	0.0361	-0.0389	0.0551	0.0523
1594	14.1	13.9	0.2493	2.7522	0.0592	3.0606	0.0417	-0.0399	0.057	0.0588
1595	13.7	13.9	0.2486	2.7521	0.0588	3.0595	0.0392	-0.036	0.0543	0.0576
1596	13.8	13.9	0.2481	2.7522	0.0589	3.0592	0.0247	-0.0284	0.0625	0.0589
1597	14.1	13.9	0.2483	2.7523	0.0587	3.0592	0.0125	-0.0242	0.0678	0.0561
1598	13.8	13.9	0.2497	2.7528	0.0575	3.06	0.0169	-0.0113	0.0709	0.0765
1599	13.3	13.9	0.2522	2.7529	0.0561	3.0612	0.029	-0.0141	0.0811	0.0959
1600	13.5	13.8	0.2543	2.7522	0.0551	3.0615	0.0253	-0.03	0.085	0.0803
1601	13.7	13.8	0.2544	2.7522	0.0553	3.0618	0.0344	-0.0317	0.0851	0.0878
1602	14	13.7	0.254	2.7523	0.0553	3.0617	0.0412	-0.028	0.0867	0.0999
1603	13.9	13.7	0.2541	2.7523	0.0556	3.062	0.0322	-0.0265	0.0937	0.0994
1604	14	13.7	0.254	2.7519	0.0561	3.062	0.0238	-0.0168	0.1014	0.1084
1605	13.8	13.7	0.2545	2.7516	0.0558	3.0618	0.0059	-0.0119	0.1018	0.0958
1606	14.1	13.6	0.256	2.7514	0.0549	3.0624	-0.0053	-0.0067	0.0979	0.0859
1607	13.9	13.5	0.2552	2.7512	0.0551	3.0616	-0.003	-0.004	0.0906	0.0836
1608	13.6	13.4	0.2541	2.7515	0.0561	3.0617	-0.0018	-0.0105	0.0843	0.072
1609	13.9	13.4	0.2539	2.7519	0.0566	3.0623	0.0097	-0.021	0.0783	0.067
1610	12.7	13.3	0.255	2.7522	0.0556	3.0628	0.0206	-0.0295	0.0692	0.0604
1611	13.3	13.2	0.257	2.7524	0.0541	3.0635	0.0313	-0.036	0.044	0.0392
1612	13.8	13.1	0.2566	2.7523	0.0539	3.0628	0.0364	-0.0556	0.0379	0.0187
1613	13.6	13.1	0.2607	2.7517	0.0522	3.0645	0.0355	-0.0753	0.063	0.0232
1614	12.8	13	0.2648	2.751	0.0511	3.0668	0.044	-0.0797	0.0839	0.0483
1615	12.6	12.9	0.2639	2.7512	0.0504	3.0656	0.051	-0.0787	0.0901	0.0624
1616	12.7	12.8	0.2641	2.7505	0.0504	3.065	0.0508	-0.0701	0.0933	0.074
1617	11.8	12.8	0.2625	2.7509	0.0512	3.0646	0.0523	-0.0615	0.0911	0.082
1618	12.1	12.8	0.2616	2.7514	0.0525	3.0655	0.0531	-0.0582	0.0901	0.085
1619	11.9	12.7	0.2591	2.7516	0.0547	3.0654	0.0548	-0.0476	0.0937	0.1009

1620	12.2	12.8	0.2577	2.7515	0.0558	3.065	0.0555	-0.0339	0.0977	0.1193
1621	12.5	12.8	0.2571	2.7516	0.0565	3.0652	0.0553	-0.0168	0.0986	0.1372
1622	12.6	12.8	0.2565	2.7524	0.0569	3.0657	0.0607	-0.0061	0.0953	0.1499
1623	12.3	12.8	0.2551	2.7526	0.0574	3.0651	0.0658	-0.0033	0.0939	0.1564
1624	12.3	12.9	0.2537	2.7526	0.0575	3.0639	0.0682	-0.0071	0.0954	0.1566
1625	12.5	12.9	0.254	2.7529	0.0569	3.0639	0.0639	0.0038	0.0914	0.1591
1626	13.1	13	0.2553	2.7531	0.0561	3.0646	0.0619	0.0114	0.0933	0.1666
1627	13.5	13.1	0.2564	2.7531	0.0553	3.0648	0.06	0.0126	0.0888	0.1615
1628	13.3	13.2	0.2565	2.753	0.0548	3.0642	0.0627	0.0119	0.0794	0.154
1629	13.5	13.4	0.2549	2.753	0.0552	3.0631	0.0497	0.0167	0.0794	0.1458
1630	14.1	13.5	0.2534	2.7532	0.0555	3.0621	0.0269	0.0213	0.0859	0.1341
1631	13.9	13.6	0.2527	2.7531	0.0555	3.0613	0.0152	0.0294	0.0919	0.1365
1632	13.9	13.6	0.2526	2.7527	0.0555	3.0609	0.0096	0.0307	0.0936	0.1339
1633	13.9	13.7	0.252	2.7527	0.0562	3.061	0.0093	0.0367	0.0916	0.1376
1634	13.5	13.7	0.2516	2.7528	0.0568	3.0612	0.0147	0.0331	0.0888	0.1367
1635	13.6	13.8	0.2513	2.753	0.0571	3.0614	0.0029	0.0292	0.0932	0.1254
1636	14.3	13.8	0.252	2.7529	0.0565	3.0614	-0.0176	0.0242	0.0978	0.1044
1637	14.3	13.8	0.2524	2.7531	0.0564	3.0618	-0.0203	0.0166	0.0922	0.0885
1638	14.4	13.7	0.2515	2.7531	0.0568	3.0614	-0.0257	0.0112	0.094	0.0795
1639	14.4	13.7	0.25	2.7534	0.0571	3.0605	-0.0396	0.0094	0.0905	0.0602
1640	14.4	13.6	0.249	2.7537	0.0567	3.0594	-0.0537	0.0168	0.0955	0.0586
1641	13.6	13.6	0.2486	2.7536	0.0562	3.0585	-0.0627	0.0166	0.1001	0.0539
1642	13.5	13.6	0.2488	2.7535	0.0558	3.0581	-0.0663	0.0113	0.1077	0.0526
1643	13.2	13.6	0.2485	2.7535	0.0554	3.0574	-0.062	0.0113	0.1107	0.06
1644	13.4	13.6	0.2485	2.7528	0.0553	3.0566	-0.0735	0.0143	0.112	0.0527
1645	13.2	13.6	0.2494	2.7523	0.0548	3.0565	-0.0812	0.0246	0.1156	0.059
1646	13	13.5	0.2497	2.7522	0.0547	3.0566	-0.0943	0.0283	0.1176	0.0516
1647	12.9	13.4	0.2496	2.752	0.0547	3.0563	-0.0998	0.0251	0.1186	0.0439
1648	12.7	13.3	0.2492	2.7521	0.0543	3.0556	-0.0964	0.0226	0.1156	0.0417
1649	12.9	13.3	0.2494	2.7531	0.0543	3.0568	-0.0816	0.0287	0.0965	0.0437
1650	13.5	13.2	0.2488	2.7538	0.0542	3.0569	-0.0632	0.0317	0.0749	0.0434
1651	13.8	13.1	0.2479	2.7537	0.0546	3.0562	-0.0483	0.0201	0.0643	0.0361
1652	13.2	13	0.2493	2.7535	0.054	3.0569	-0.0487	0.0182	0.0659	0.0354
1653	13.5	13	0.251	2.7531	0.0529	3.0571	-0.0442	0.0187	0.0641	0.0386
1654	13.5	13	0.2518	2.7531	0.0531	3.0581	-0.0354	0.0182	0.0665	0.0492
1655	13	12.9	0.2521	2.7532	0.0534	3.0586	-0.0353	0.0132	0.0799	0.0578
1656	13	12.9	0.252	2.7535	0.0535	3.0589	-0.0343	0.0111	0.0894	0.0662

1657	12.8	12.9	0.2523	2.7537	0.0533	3.0593	-0.0232	0.0112	0.087	0.0751
1658	13.1	12.9	0.252	2.7537	0.0533	3.059	-0.0361	0.0098	0.0921	0.0659
1659	12.5	12.9	0.2517	2.7537	0.0539	3.0593	-0.0484	0.0139	0.0983	0.0639
1660	12	12.9	0.251	2.7534	0.0556	3.06	-0.05	0.0177	0.0977	0.0654
1661	12.6	12.8	0.2513	2.7533	0.0558	3.0603	-0.0383	0.0234	0.0858	0.0709
1662	12.6	12.8	0.2519	2.7535	0.0549	3.0602	-0.016	0.0262	0.0704	0.0806
1663	12.5	12.8	0.2515	2.7539	0.0544	3.0598	-0.0148	0.0229	0.0632	0.0713
1664	12.3	12.7	0.251	2.7543	0.0543	3.0596	0.0317	0.0165	0.0394	0.0876
1665	12.2	12.7	0.2505	2.754	0.0539	3.0584	0.0727	0.0114	0.0248	0.1089
1666	12.7	12.8	0.2507	2.7538	0.0533	3.0578	0.0677	0.0094	0.0176	0.0946
1667	13	12.9	0.2516	2.7539	0.0526	3.058	0.0735	0.002	0.0172	0.0927
1668	13.1	12.9	0.2521	2.7538	0.052	3.0579	0.056	0.0053	0.0261	0.0874
1669	13	13	0.2521	2.7535	0.0518	3.0574	0.0448	0.0056	0.0446	0.095
1670	12.9	13	0.2516	2.753	0.0516	3.0562	0.0223	0.0058	0.0683	0.0964
1671	13	13.1	0.2515	2.7524	0.0516	3.0555	0.0067	0.0039	0.0807	0.0913
1672	13.1	13.1	0.2514	2.7522	0.0515	3.0552	-0.0055	0.0019	0.0896	0.086
1673	12.7	13.1	0.2518	2.7521	0.0514	3.0552	-0.017	0.0092	0.1019	0.0941
1674	13	13.1	0.2526	2.7515	0.0509	3.0551	-0.0242	0.0153	0.1106	0.1017
1675	14	13.2	0.2528	2.7514	0.0506	3.0548	-0.0367	0.0111	0.1164	0.0908
1676	13.8	13.1	0.2527	2.7512	0.0507	3.0546	-0.0251	0.0113	0.1084	0.0945
1677	13.8	13.1	0.2526	2.7516	0.0507	3.0549	-0.0077	0.0122	0.0971	0.1015
1678	13.9	13	0.2542	2.7511	0.0505	3.0558	0.0026	0.0081	0.0887	0.0994
1679	13.3	13	0.2561	2.7502	0.0503	3.0566	0.0136	0.004	0.0819	0.0996
1680	13.3	12.9	0.256	2.7497	0.0503	3.0559	0.0098	0.0038	0.0749	0.0884
1681	13.1	12.9	0.2565	2.7497	0.05	3.0562	-0.0086	0.0025	0.0786	0.0726
1682	12.6	12.8	0.2562	2.7495	0.0503	3.056	-0.0238	0.0044	0.0816	0.0622
1683	12.9	12.8	0.2555	2.7498	0.0507	3.056	-0.0334	0.0022	0.0844	0.0533
1684	12.5	12.7	0.2561	2.7501	0.0504	3.0567	-0.0353	0.001	0.0939	0.0596
1685	12.2	12.6	0.2568	2.7506	0.0496	3.057	-0.0317	-0.0019	0.1019	0.0682
1686	12.3	12.5	0.2563	2.7513	0.0498	3.0574	-0.0425	0.0045	0.1085	0.0705
1687	11.7	12.5	0.2565	2.7516	0.0497	3.0578	-0.0387	0.0063	0.1052	0.0729
1688	11.8	12.5	0.2569	2.7516	0.0501	3.0586	-0.038	0.0083	0.1072	0.0774
1689	11.8	12.4	0.2575	2.7508	0.0497	3.058	-0.0489	0.0114	0.1145	0.077
1690	12.2	12.4	0.2577	2.7506	0.0493	3.0577	-0.0635	0.0156	0.1166	0.0687
1691	11.8	12.4	0.2578	2.7509	0.0485	3.0572	-0.0727	0.0164	0.1126	0.0564
1692	12.2	12.4	0.2571	2.7508	0.0481	3.056	-0.0779	0.019	0.1081	0.0492
1693	12.2	12.3	0.2575	2.7507	0.048	3.0561	-0.0779	0.0214	0.1022	0.0457

1694	12.1	12.4	0.2574	2.7497	0.0476	3.0547	-0.0829	0.025	0.0977	0.0397
1695	12.4	12.4	0.258	2.7493	0.0471	3.0544	-0.0825	0.0197	0.0986	0.0359
1696	13.1	12.4	0.2581	2.7497	0.047	3.0548	-0.0738	0.0168	0.0973	0.0403
1697	13.3	12.5	0.2579	2.75	0.0472	3.0551	-0.0696	0.0107	0.0988	0.0399
1698	12.8	12.6	0.2579	2.7499	0.0479	3.0556	-0.0669	0.0035	0.0969	0.0335
1699	12.3	12.6	0.2585	2.7497	0.0486	3.0569	-0.0696	0.0015	0.091	0.0229
1700	12.5	12.7	0.2591	2.7502	0.0487	3.0579	-0.0775	0.0102	0.0923	0.025
1701	12.4	12.8	0.2592	2.7504	0.0487	3.0583	-0.0856	0.0142	0.0922	0.0209
1702	12.9	12.8	0.2585	2.7505	0.0489	3.0578	-0.0911	0.0147	0.0922	0.0158
1703	13	12.8	0.2577	2.7505	0.0489	3.0571	-0.0744	0.0124	0.0834	0.0213
1704	12.7	12.9	0.2576	2.7506	0.0481	3.0563	-0.0587	0.007	0.0727	0.021
1705	13	12.9	0.2579	2.7505	0.0469	3.0552	-0.0565	0.0063	0.0755	0.0253
1706	13.4	12.8	0.2583	2.7503	0.0462	3.0548	-0.0659	0.0066	0.0789	0.0196
1707	13.1	12.8	0.2589	2.7502	0.0459	3.055	-0.0776	0.0142	0.0803	0.017
1708	12.9	12.8	0.2589	2.7501	0.0463	3.0554	-0.0809	0.0228	0.0806	0.0225
1709	13	12.8	0.2589	2.7501	0.0468	3.0558	-0.0833	0.0192	0.0827	0.0186
1710	13.1	12.8	0.2588	2.7498	0.047	3.0557	-0.0884	0.0226	0.0906	0.0247
1711	13.2	12.8	0.2586	2.7498	0.047	3.0554	-0.1008	0.0165	0.1099	0.0255
1712	12.5	12.8	0.2581	2.75	0.0476	3.0557	-0.0902	0.0091	0.1154	0.0344
1713	12.7	12.8	0.2575	2.75	0.0482	3.0558	-0.0775	0.0033	0.1047	0.0305
1714	12.6	12.8	0.2575	2.7499	0.0486	3.0559	-0.0785	0.0036	0.1009	0.0261
1715	12.6	12.7	0.2572	2.7503	0.0486	3.0561	-0.0707	0.007	0.1031	0.0393
1716	12.4	12.7	0.2568	2.7503	0.0487	3.0558	-0.0638	0.0016	0.1004	0.0382
1717	12.5	12.7	0.2569	2.7503	0.0486	3.0559	-0.0642	0.002	0.0891	0.027
1718	12.9	12.8	0.2571	2.7509	0.0481	3.056	-0.0682	0.0046	0.0847	0.0211
1719	13	12.7	0.2569	2.751	0.0479	3.0558	-0.0531	0.0094	0.0645	0.0208
1720	12.5	12.8	0.2571	2.7511	0.0477	3.0559	-0.0467	0.0072	0.0654	0.0259
1721	12.5	12.7	0.2576	2.7515	0.0475	3.0566	-0.0446	0.0002	0.0631	0.0187
1722	12.2	12.7	0.2582	2.7515	0.0467	3.0563	-0.0368	-0.0086	0.0625	0.0171
1723	12.4	12.8	0.2575	2.7511	0.0463	3.0549	-0.0328	-0.0112	0.0618	0.0178
1724	12.6	12.8	0.2574	2.7515	0.0459	3.0548	-0.0252	-0.0139	0.0617	0.0226
1725	13.1	12.8	0.2565	2.7518	0.0461	3.0544	-0.0156	-0.0179	0.0536	0.02
1726	13.3	12.8	0.2561	2.7519	0.0464	3.0544	-0.0135	-0.0225	0.0482	0.0122
1727	13.2	12.8	0.2562	2.7523	0.0464	3.0549	-0.0117	-0.0236	0.0496	0.0143
1728	12.7	12.8	0.2551	2.7526	0.0466	3.0543	-0.0078	-0.0197	0.048	0.0205
1729	13.3	12.8	0.2539	2.7526	0.0477	3.0542	0.0052	-0.0274	0.0456	0.0234
1730	12.6	12.9	0.2542	2.7529	0.0476	3.0548	0.0156	-0.0393	0.0468	0.0231

1731	12.6	13	0.2551	2.7527	0.0473	3.055	-0.0085	-0.0485	0.0558	-0.0012
1732	13.1	13	0.256	2.7525	0.0471	3.0555	-0.0374	-0.0471	0.0608	-0.0237
1733	13.4	13.1	0.2556	2.7526	0.0469	3.0551	-0.0458	-0.0492	0.065	-0.0301
1734	13.2	13.1	0.2547	2.753	0.0466	3.0544	-0.0417	-0.0482	0.0674	-0.0225
1735	12.8	13.1	0.2555	2.7526	0.0463	3.0544	-0.0152	-0.049	0.0574	-0.0068
1736	12.6	13.1	0.2559	2.7523	0.0459	3.0541	0.0032	-0.0491	0.0473	0.0014
1737	12.7	13	0.2562	2.7522	0.0457	3.0541	-0.0019	-0.0445	0.0578	0.0114
1738	13	13.1	0.2564	2.752	0.0454	3.0537	-0.0097	-0.0373	0.0676	0.0205
1739	13.6	13	0.2563	2.7519	0.0454	3.0537	-0.0057	-0.0285	0.0641	0.0299
1740	13.9	13.1	0.2563	2.752	0.0455	3.0538	0.0102	-0.0298	0.0512	0.0315
1741	13.6	13.1	0.2564	2.7517	0.0454	3.0536	0.0179	-0.0303	0.0469	0.0344
1742	13.2	13.1	0.2566	2.7514	0.0456	3.0535	0.0239	-0.0293	0.0371	0.0318
1743	13.1	13.1	0.2568	2.751	0.0456	3.0535	0.0262	-0.0327	0.0267	0.0202
1744	13	13	0.2568	2.7508	0.0454	3.053	0.0371	-0.0348	0.0225	0.0248
1745	12.6	13	0.2567	2.7506	0.0451	3.0525	0.0332	-0.0495	0.0208	0.0045
1746	12.5	13	0.2566	2.7511	0.0448	3.0526	0.0382	-0.0589	0.0161	-0.0046
1747	13.3	13	0.2563	2.7517	0.045	3.053	0.0452	-0.0521	0.0061	-0.0007
1748	13.1	12.9	0.2562	2.752	0.0452	3.0533	0.0511	-0.0386	0.0007	0.0133
1749	12.7	12.9	0.2571	2.7521	0.0451	3.0543	0.0549	-0.034	0.0025	0.0234
1750	12.9	12.8	0.2574	2.7524	0.045	3.0548	0.0565	-0.0353	0.0083	0.0295
1751	13.2	12.8	0.257	2.7522	0.0453	3.0546	0.0513	-0.0276	0.0146	0.0383
1752	13.2	12.8	0.2568	2.7523	0.0457	3.0548	0.0533	-0.0258	0.0148	0.0423
1753	12.7	12.7	0.2569	2.7524	0.0457	3.055	0.0457	-0.0252	0.0171	0.0376
1754	12.2	12.7	0.2575	2.7525	0.0456	3.0556	0.0383	-0.0252	0.0177	0.0308
1755	12.2	12.7	0.2587	2.7525	0.0455	3.0567	0.0376	-0.0242	0.0092	0.0226
1756	12.1	12.7	0.2598	2.752	0.0454	3.0572	0.0413	-0.026	-0.0035	0.0118
1757	12.6	12.7	0.2604	2.7514	0.0452	3.0571	0.0465	-0.0279	-0.0106	0.008
1758	12.3	12.6	0.2603	2.7518	0.045	3.0572	0.0525	-0.0288	-0.014	0.0097
1759	12.7	12.6	0.2606	2.7515	0.0448	3.0568	0.0536	-0.0302	-0.0098	0.0136
1760	13	12.6	0.2611	2.7518	0.0446	3.0574	0.0542	-0.0311	-0.0044	0.0187
1761	12.8	12.6	0.2603	2.7524	0.0442	3.0569	0.0541	-0.0344	-0.0022	0.0176
1762	12.4	12.6	0.2596	2.7531	0.0444	3.0572	0.0519	-0.0355	-0.0018	0.0146
1763	13	12.6	0.2593	2.7536	0.0443	3.0572	0.0468	-0.0331	0.0043	0.0181
1764	12.6	12.6	0.258	2.7536	0.044	3.0557	0.0405	-0.0332	0.012	0.0193
1765	12	12.7	0.2569	2.7538	0.0439	3.0546	0.0409	-0.0355	0.0161	0.0215
1766	13	12.8	0.2571	2.7536	0.0444	3.0551	0.0375	-0.0308	0.0169	0.0235
1767	12.4	12.8	0.2584	2.7534	0.0441	3.0559	0.0333	-0.0309	0.0174	0.0198

1768	12.9	12.8	0.2574	2.7529	0.0456	3.0559	0.0355	-0.0311	0.0172	0.0216
1769	12.8	12.9	0.2567	2.7528	0.0453	3.0549	0.0379	-0.0251	0.0103	0.0232
1770	12.8	12.8	0.2561	2.7529	0.0453	3.0543	0.0356	-0.0238	0.0086	0.0205
1771	12.7	12.8	0.2551	2.7533	0.0453	3.0538	0.0386	-0.023	0.0066	0.0221
1772	13	12.8	0.2547	2.7534	0.0453	3.0534	0.0464	-0.0186	0.004	0.0319
1773	12.8	12.8	0.2543	2.7535	0.0452	3.053	0.0538	-0.0183	-0.007	0.0285
1774	13.4	12.8	0.2542	2.7533	0.0456	3.0531	0.046	-0.0236	-0.0117	0.0107
1775	13.4	12.9	0.2542	2.7536	0.0457	3.0535	0.0449	-0.0187	-0.0171	0.0091
1776	13.3	12.9	0.2539	2.7536	0.0457	3.0532	0.0335	-0.015	-0.0145	0.004
1777	13.1	12.9	0.2534	2.7536	0.0459	3.0529	0.029	-0.0135	-0.0108	0.0047
1778	13.1	12.9	0.2537	2.7539	0.0459	3.0535	0.0302	-0.0081	-0.011	0.0111
1779	12.4	12.9	0.2545	2.7541	0.0456	3.0543	0.0156	-0.0047	-0.0085	0.0024
1780	12.4	12.9	0.2568	2.7545	0.0447	3.0561	-0.0005	-0.0048	0.007	0.0017
1781	12.8	12.8	0.2602	2.7544	0.044	3.0586	0.0038	0.0002	0.0063	0.0103
1782	12.7	12.8	0.2608	2.7544	0.0438	3.059	0.0157	-0.0039	0.002	0.0137
1783	12.8	12.8	0.2596	2.7546	0.044	3.0582	0.0295	-0.0063	-0.0022	0.0211
1784	12.9	12.8	0.2577	2.755	0.0447	3.0573	0.0237	-0.0042	-0.0052	0.0143
1785	12.6	12.8	0.2565	2.7555	0.0449	3.0569	0.0117	0.001	-0.0088	0.0038
1786	12.8	12.7	0.2565	2.7557	0.044	3.0563	0.0238	-0.0053	-0.0141	0.0044
1787	12.9	12.6	0.2575	2.7553	0.0429	3.0558	0.0301	-0.0098	-0.0198	0.0005
1788	12.9	12.6	0.2575	2.7544	0.0437	3.0556	0.0349	-0.011	-0.0244	-0.0006
1789	12.4	12.5	0.2565	2.7538	0.0446	3.0548	0.0387	-0.0156	-0.0296	-0.0065
1790	12.3	12.5	0.2559	2.7537	0.0446	3.0542	0.039	-0.017	-0.0293	-0.0074
1791	12.6	12.4	0.2554	2.7538	0.0448	3.054	0.0382	-0.0148	-0.0287	-0.0054
1792	13	12.4	0.2544	2.7541	0.0454	3.0539	0.0414	-0.0206	-0.03	-0.0092
1793	12.9	12.4	0.2538	2.7542	0.0457	3.0537	0.045	-0.0269	-0.0276	-0.0095
1794	12.5	12.3	0.2541	2.7546	0.0455	3.0543	0.0497	-0.0338	-0.0272	-0.0114
1795	11.8	12.2	0.2542	2.7552	0.0455	3.0548	0.0497	-0.0371	-0.0315	-0.019
1796	12	12.2	0.2536	2.7549	0.0464	3.0548	0.0504	-0.0416	-0.0384	-0.0296
1797	12	12	0.2528	2.7539	0.0471	3.0537	0.0495	-0.0332	-0.044	-0.0277
1798	11.7	11.9	0.2524	2.7533	0.0476	3.0533	0.0438	-0.0239	-0.0415	-0.0215
1799	11.7	11.8	0.2528	2.7533	0.0478	3.0539	0.0422	-0.0187	-0.0385	-0.015
1800	12.1	12.1	0.254	2.7529	0.0472	3.0541	0.062	-0.0162	-0.0419	0.0039