Test Name	**OSB, PF, rep 2**
Cladding	**Oriented Strand Board (OSB)**
Cladding Thickness [mm]	**11**
Insulation	**Phenolic (PF) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel and a Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the second 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. The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	**184**
Time to Peak HRR [mins]	**5.82**
Residual HRR [kW]	**20.3**
Total HR [MJ]	**77.5**
Peak dQ/dt [kW/s]	**1.13**
Time to Peak dQ/dt [s]	**3.72**

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	0.171	0.171	4.0956	2.3132	-0.0004	6.4084	0.6654	0.4849	0.0362	1.1865
1	0.221	0.192	4.0997	2.3115	-0.0004	6.4107	0.68	0.4695	0.0375	1.187
2	0.183	0.266	4.0987	2.3096	-0.0007	6.4076	0.7228	0.4602	0.0387	1.2217
3	0.299	0.348	4.0984	2.3086	-0.0009	6.4061	0.7826	0.452	0.0375	1.2721
4	0.453	0.513	4.0982	2.307	-0.0009	6.4043	0.8208	0.4508	0.0354	1.307
5	0.555	0.966	4.0979	2.3056	-0.001	6.4026	0.8805	0.4434	0.0355	1.3595
6	0.555	1.63	4.0974	2.3043	-0.001	6.4008	0.932	0.4385	0.0349	1.4054
7	0.818	2.36	4.0972	2.3033	-0.0009	6.3996	0.9622	0.4392	0.0335	1.435
8	1.36	3.04	4.0974	2.3024	-0.0009	6.3988	0.9864	0.4405	0.0343	1.4613
9	2.48	3.71	4.0968	2.3017	-0.001	6.3976	1.0068	0.4376	0.0341	1.4784
10	3.53	4.23	4.096	2.301	-0.001	6.396	1.0358	0.4355	0.0335	1.5048
11	5.07	4.78	4.096	2.3003	-0.0011	6.3953	1.0628	0.4319	0.0347	1.5294
12	5.55	5.32	4.0953	2.2994	-0.0011	6.3935	1.0653	0.4265	0.0359	1.5277
13	6.63	5.88	4.0947	2.2984	-0.0012	6.392	1.0779	0.4315	0.0363	1.5458
14	7.58	6.41	4.0945	2.2982	-0.0011	6.3916	1.0751	0.433	0.0351	1.5432
15	7.8	6.96	4.094	2.2977	-0.0011	6.3906	1.0687	0.4317	0.0349	1.5353
16	8.41	7.53	4.0932	2.2973	-0.001	6.3894	1.0732	0.4327	0.0343	1.5402
17	9.25	8.07	4.0926	2.2968	-0.0011	6.3884	1.0757	0.4365	0.0335	1.5457
18	9.5	8.59	4.0923	2.2965	-0.0011	6.3877	1.0611	0.4366	0.0314	1.5291
19	10	9.02	4.0916	2.2963	-0.0012	6.3867	1.0312	0.4395	0.0306	1.5013
20	10.7	9.44	4.0894	2.2965	-0.0013	6.3846	1.0006	0.4389	0.0301	1.4697
21	10.5	9.77	4.088	2.296	-0.0015	6.3826	0.9757	0.4288	0.0283	1.4328
22	10.8	10.1	4.0851	2.2963	-0.0015	6.3799	0.9613	0.4259	0.0293	1.4165
23	10.7	10.4	4.0838	2.2964	-0.0015	6.3788	0.9445	0.4222	0.0289	1.3956
24	11	10.6	4.0827	2.2961	-0.0014	6.3774	0.947	0.4142	0.0285	1.3897
25	11.2	10.8	4.0814	2.2959	-0.0014	6.3759	0.9507	0.4116	0.0281	1.3905
26	11.2	10.9	4.0807	2.2957	-0.0014	6.375	0.9315	0.4165	0.0278	1.3758
27	11.2	11	4.079	2.2956	-0.0015	6.3732	0.9042	0.4175	0.0274	1.3491
28	10.7	11.1	4.0783	2.2954	-0.0014	6.3722	0.8917	0.4164	0.0262	1.3343

29	11.4	11.2	4.0777	2.2954	-0.0016	6.3715	0.896	0.417	0.0244	1.3374
30	11.5	11.2	4.0768	2.2955	-0.0015	6.3708	0.8963	0.4142	0.0228	1.3332
31	11.5	11.3	4.0769	2.2953	-0.0015	6.3707	0.9091	0.414	0.0236	1.3467
32	11.9	11.3	4.0765	2.2953	-0.0015	6.3703	0.921	0.4144	0.0245	1.3599
33	11.2	11.4	4.076	2.295	-0.0015	6.3695	0.935	0.415	0.0242	1.3742
34	11.6	11.4	4.0752	2.2948	-0.0015	6.3685	0.953	0.411	0.0243	1.3883
35	11.6	11.5	4.0739	2.2949	-0.0016	6.3671	0.9888	0.4062	0.0248	1.4198
36	11.5	11.5	4.0715	2.2948	-0.0018	6.3645	1.0149	0.3965	0.0245	1.436
37	11.4	11.6	4.0696	2.2948	-0.0019	6.3626	1.0357	0.3932	0.0243	1.4532
38	11.1	11.7	4.0687	2.2947	-0.002	6.3614	1.0663	0.3895	0.0255	1.4813
39	11.2	11.7	4.0681	2.2945	-0.002	6.3607	1.109	0.3848	0.0268	1.5205
40	12.3	11.7	4.0679	2.2944	-0.0021	6.3602	1.1541	0.3805	0.0277	1.5623
41	11.2	11.8	4.0681	2.2939	-0.0021	6.3599	1.1843	0.3804	0.0286	1.5934
42	12	11.8	4.069	2.2939	-0.0019	6.361	1.2196	0.3855	0.0306	1.6357
43	11.6	11.9	4.0694	2.2936	-0.0019	6.3611	1.2487	0.3854	0.0315	1.6656
44	12.1	12	4.0693	2.2932	-0.002	6.3606	1.2676	0.3816	0.0323	1.6814
45	11.8	12.1	4.0686	2.2926	-0.0019	6.3593	1.2918	0.3827	0.032	1.7066
46	12.3	12.2	4.0682	2.2922	-0.0019	6.3585	1.2973	0.3906	0.0308	1.7187
47	12.6	12.4	4.0682	2.2914	-0.0019	6.3576	1.3073	0.4018	0.0316	1.7407
48	11.8	12.5	4.0668	2.2911	-0.0019	6.356	1.3134	0.4086	0.0317	1.7537
49	11.7	12.7	4.065	2.2911	-0.0019	6.3542	1.3165	0.4131	0.0314	1.761
50	12.7	12.9	4.0636	2.2914	-0.002	6.353	1.3119	0.4217	0.032	1.7656
51	13.2	13.2	4.0607	2.2914	-0.0021	6.35	1.2937	0.4221	0.03	1.7457
52	12.9	13.4	4.0568	2.2914	-0.0021	6.3461	1.3536	0.4108	0.0297	1.7941
53	12.9	13.6	4.0539	2.291	-0.002	6.3429	1.3563	0.4054	0.0269	1.7886
54	13.7	13.7	4.0498	2.291	-0.002	6.3388	1.3833	0.4042	0.027	1.8145
55	13.9	14	4.0461	2.2908	-0.002	6.3348	1.4298	0.4071	0.0221	1.8589
56	13.8	14.2	4.0434	2.2903	-0.002	6.3317	1.4554	0.4087	0.0116	1.8757
57	14.4	14.5	4.0411	2.2898	-0.0021	6.3288	1.4669	0.4099	0.0079	1.8847
58	15.2	14.8	4.0389	2.2895	-0.0021	6.3263	1.4752	0.4132	0.0071	1.8955
59	15.2	15.1	4.0361	2.2892	-0.0021	6.3232	1.4979	0.411	0.007	1.9159
60	16.3	15.3	4.0334	2.289	-0.0022	6.3202	1.5102	0.4181	0.0069	1.9352
61	16	15.6	4.0322	2.2889	-0.0023	6.3188	1.5278	0.4167	0.0079	1.9525
62	15.2	15.9	4.0304	2.2882	-0.0024	6.3161	1.5497	0.4205	0.0101	1.9803
63	15.5	16.2	4.0295	2.2876	-0.0023	6.3148	1.5717	0.4178	0.0108	2.0003
64	16.4	16.5	4.0288	2.2873	-0.0024	6.3137	1.5991	0.4171	0.0106	2.0268
65	16.7	16.7	4.0274	2.2868	-0.0024	6.3119	1.6337	0.4268	0.0123	2.0729

66	17.4	16.9	4.0262	2.2861	-0.0023	6.31	1.6542	0.4378	0.0126	2.1046
67	17.2	17.1	4.0261	2.2857	-0.0022	6.3095	1.6722	0.4499	0.0063	2.1284
68	17.5	17.3	4.0271	2.285	-0.0022	6.3099	1.6904	0.457	-0.0003	2.1471
69	17.8	17.6	4.0282	2.2846	-0.0022	6.3106	1.7138	0.4749	-0.0031	2.1856
70	18.4	17.7	4.029	2.2849	-0.0021	6.3118	1.7336	0.4794	-0.0041	2.2089
71	18.1	17.9	4.0291	2.2847	-0.0022	6.3115	1.7407	0.4845	-0.005	2.2202
72	18.8	18	4.0293	2.2845	-0.0022	6.3116	1.7534	0.4899	-0.008	2.2353
73	18.7	18.2	4.0282	2.2847	-0.0022	6.3107	1.7506	0.5052	-0.0079	2.2479
74	18.5	18.4	4.027	2.2845	-0.0022	6.3092	1.7744	0.515	-0.0065	2.2829
75	18.1	18.6	4.0275	2.2837	-0.0022	6.309	1.8067	0.5216	-0.0047	2.3236
76	18.8	18.7	4.0286	2.2832	-0.0022	6.3096	1.8309	0.5276	-0.004	2.3545
77	19	18.9	4.0287	2.2829	-0.0021	6.3095	1.8608	0.5347	-0.0026	2.3928
78	19.5	19	4.0275	2.2824	-0.002	6.3079	1.8722	0.5471	-0.0023	2.417
79	18.4	19.2	4.0266	2.2822	-0.0019	6.3069	1.906	0.5602	-0.0022	2.464
80	19.3	19.3	4.0246	2.2818	-0.002	6.3044	1.9442	0.5808	-0.0045	2.5204
81	18.7	19.5	4.0227	2.2814	-0.0021	6.302	1.9687	0.5942	-0.0056	2.5574
82	18.9	19.6	4.0207	2.2809	-0.0021	6.2995	2.0042	0.6029	-0.006	2.6012
83	19.8	19.7	4.0182	2.2808	-0.0021	6.2969	2.0316	0.6233	-0.008	2.647
84	19.8	19.7	4.0142	2.2808	-0.0022	6.2928	2.0696	0.6269	-0.0066	2.6898
85	20.3	19.8	4.011	2.2812	-0.0022	6.29	2.0918	0.6407	-0.006	2.7265
86	20.2	19.9	4.0082	2.2811	-0.0022	6.2871	2.1214	0.6599	-0.009	2.7723
87	20.8	20	4.0044	2.2811	-0.0023	6.2832	2.1384	0.6649	-0.0112	2.7921
88	20.6	20.1	3.9996	2.2811	-0.0025	6.2782	2.1585	0.6704	-0.0122	2.8167
89	20.8	20.2	3.9944	2.2811	-0.0026	6.2729	2.1898	0.678	-0.0132	2.8546
90	21.3	20.3	3.9905	2.2807	-0.0027	6.2685	2.23	0.6836	-0.0137	2.8999
91	20.9	20.4	3.9861	2.2799	-0.0029	6.263	2.2765	0.6878	-0.015	2.9493
92	20.1	20.5	3.9821	2.2795	-0.003	6.2586	2.3179	0.6969	-0.0157	2.9991
93	19.5	20.6	3.9791	2.2795	-0.0031	6.2555	2.3725	0.7041	-0.0121	3.0645
94	19.8	20.7	3.9755	2.279	-0.0031	6.2514	2.4307	0.7075	-0.0133	3.1249
95	20.8	20.8	3.9737	2.2778	-0.003	6.2485	2.4777	0.7098	-0.0146	3.173
96	21	21	3.9715	2.2764	-0.0032	6.2447	2.5131	0.7083	-0.0142	3.2071
97	20.5	21.1	3.9696	2.2753	-0.0032	6.2417	2.5615	0.7124	-0.015	3.2588
98	20.9	21.3	3.9679	2.2744	-0.0032	6.2392	2.6131	0.7092	-0.0146	3.3077
99	21.4	21.5	3.9671	2.2732	-0.0033	6.237	2.6489	0.7154	-0.014	3.3504
100	20.7	21.8	3.9662	2.271	-0.0034	6.2338	2.6762	0.7228	-0.014	3.3849
101	20.1	22.2	3.9643	2.2704	-0.0034	6.2313	2.7219	0.7297	-0.0144	3.4372
102	21.3	22.7	3.9631	2.269	-0.0034	6.2287	2.7536	0.7364	-0.0142	3.4758

103	21.5	23.2	3.9601	2.2682	-0.0036	6.2247	2.7847	0.7438	-0.0138	3.5148
104	23.1	23.9	3.9552	2.2663	-0.0031	6.2184	2.8208	0.7476	-0.013	3.5554
105	23	24.6	3.9524	2.2648	-0.0022	6.215	2.8281	0.7587	-0.0134	3.5733
106	23.1	25.2	3.9507	2.2633	-0.0018	6.2123	2.8723	0.7694	-0.0134	3.6282
107	24.7	26	3.9497	2.262	-0.0016	6.21	2.8879	0.7711	-0.013	3.646
108	25.5	26.8	3.9476	2.2613	-0.0016	6.2072	2.9221	0.7742	-0.0144	3.682
109	26.8	27.6	3.9458	2.2599	-0.0017	6.2041	2.9629	0.7738	-0.016	3.7207
110	27.6	28.5	3.9432	2.2593	-0.0018	6.2007	3.0044	0.776	-0.0165	3.7639
111	30.1	29.4	3.9411	2.2583	-0.0021	6.1972	3.0487	0.7815	-0.0175	3.8126
112	29.4	30.2	3.9381	2.2576	-0.0022	6.1935	3.1147	0.7905	-0.0168	3.8884
113	32.9	31.1	3.9348	2.2567	-0.0022	6.1893	3.1763	0.7904	-0.016	3.9506
114	33.6	32	3.9311	2.2555	-0.0023	6.1843	3.2434	0.7914	-0.0128	4.022
115	32.6	32.9	3.9286	2.254	-0.0024	6.1802	3.3198	0.8011	-0.0116	4.1092
116	35.3	33.7	3.9259	2.2523	-0.0017	6.1765	3.3852	0.8081	-0.0105	4.1828
117	37	34.4	3.9236	2.2511	-0.001	6.1736	3.4591	0.8148	-0.0104	4.2635
118	36.5	35.2	3.9209	2.249	-0.0008	6.1691	3.5307	0.8277	-0.0095	4.349
119	37.2	35.9	3.9182	2.2484	-0.0008	6.1658	3.6114	0.8338	-0.0097	4.4355
120	38.3	36.6	3.9153	2.248	-0.0008	6.1626	3.691	0.8458	-0.009	4.5278
121	36	37.3	3.9127	2.247	-0.0007	6.159	3.776	0.8654	-0.0076	4.6338
122	39.1	38.1	3.9101	2.2457	-0.0007	6.1551	3.8513	0.8764	-0.008	4.7197
123	39.5	38.8	3.9064	2.2449	-0.0008	6.1505	3.9265	0.8866	-0.0086	4.8045
124	39.6	39.4	3.902	2.2439	-0.0009	6.145	4.0112	0.8978	-0.0083	4.9007
125	38.8	40.1	3.8983	2.2431	-0.001	6.1404	4.0589	0.9085	-0.0088	4.9585
126	37.9	40.9	3.8947	2.2422	-0.0011	6.1358	4.1294	0.916	-0.0127	5.0327
127	41	41.7	3.8918	2.2409	-0.0012	6.1315	4.2168	0.9211	-0.019	5.119
128	40.3	42.5	3.8877	2.2393	-0.0012	6.1258	4.3068	0.9281	-0.0192	5.2158
129	40.8	43.2	3.8832	2.2373	-0.0011	6.1194	4.4049	0.937	-0.0172	5.3247
130	43.5	44	3.8799	2.2361	-0.0009	6.1151	4.4881	0.9505	-0.0158	5.4228
131	43.3	45.1	3.8764	2.235	-0.0009	6.1106	4.5405	0.9615	-0.016	5.486
132	46.9	45.9	3.8733	2.2329	-0.0007	6.1056	4.6131	0.9702	-0.017	5.5663
133	45	47	3.869	2.2323	-0.0008	6.1005	4.6519	0.9805	-0.0164	5.616
134	46.8	48.1	3.866	2.2307	-0.0009	6.0958	4.7071	0.9876	-0.0156	5.679
135	50.1	49.1	3.8617	2.2289	-0.0007	6.0898	4.7406	1.0012	-0.0145	5.7273
136	51.2	50.5	3.8576	2.2283	-0.0006	6.0853	4.7764	1.0205	-0.014	5.783
137	51.9	51.6	3.8538	2.2278	-0.0007	6.0809	4.8433	1.0355	-0.0178	5.861
138	51.4	52.7	3.8497	2.2269	-0.0007	6.076	4.8845	1.05	-0.0234	5.9112
139	53.6	54	3.8451	2.2262	-0.0006	6.0707	4.9175	1.0615	-0.026	5.953

140	55.6	55.1	3.8402	2.2256	-0.0006	6.0653	4.9552	1.0794	-0.0284	6.0062
141	55.5	56.3	3.8363	2.2242	-0.0005	6.06	4.9918	1.0849	-0.0279	6.0488
142	60.1	57.2	3.8318	2.2235	-0.0007	6.0546	5.0436	1.0895	-0.0292	6.1038
143	59.4	58.3	3.8264	2.2229	-0.0006	6.0486	5.0813	1.0964	-0.0282	6.1495
144	59.3	59.5	3.8216	2.2223	-0.0005	6.0433	5.1374	1.1083	-0.0294	6.2163
145	63.4	60.5	3.8173	2.2218	-0.0005	6.0386	5.1984	1.1156	-0.0289	6.2851
146	62.2	61.6	3.8121	2.221	-0.0004	6.0327	5.2586	1.1171	-0.0266	6.3491
147	61.6	62.7	3.8068	2.2205	-0.0004	6.0269	5.3241	1.1138	-0.0275	6.4104
148	64.1	63.9	3.8019	2.2196	-0.0005	6.0209	5.3922	1.114	-0.03	6.4762
149	65.9	65	3.7974	2.2188	-0.0005	6.0157	5.4452	1.1227	-0.0271	6.5409
150	64.8	66.1	3.7914	2.2184	-0.0006	6.0093	5.5088	1.1348	-0.0289	6.6148
151	65.3	67.3	3.7853	2.2178	-0.0007	6.0024	5.5756	1.1259	-0.03	6.6715
152	65.6	68.4	3.7783	2.217	-0.0007	5.9946	5.632	1.1352	-0.0312	6.736
153	69.3	69.7	3.7719	2.2162	-0.0007	5.9874	5.6965	1.1337	-0.0333	6.7968
154	68.5	70.8	3.767	2.2151	-0.0007	5.9814	5.7448	1.139	-0.0344	6.8494
155	73.5	71.6	3.7589	2.2139	-0.0007	5.972	5.7755	1.1292	-0.0288	6.8759
156	73	72.7	3.7546	2.2132	-0.0007	5.9671	5.8434	1.1224	-0.0186	6.9472
157	73.4	73.7	3.7488	2.2124	-0.0006	5.9606	5.9075	1.1197	-0.0149	7.0124
158	74.3	74.5	3.7426	2.2121	-0.0005	5.9542	5.9868	1.1186	-0.0133	7.092
159	76.2	75.3	3.7357	2.2116	-0.0005	5.9468	6.0506	1.128	-0.0141	7.1644
160	79.4	76.2	3.7286	2.2109	-0.0005	5.939	6.12	1.1246	-0.0167	7.2279
161	81.3	77.2	3.7208	2.2098	-0.0006	5.93	6.1811	1.1336	-0.017	7.2977
162	83.1	78.3	3.7127	2.2091	-0.0008	5.9211	6.2576	1.1356	-0.0194	7.3737
163	80.8	79.3	3.7051	2.2085	-0.0011	5.9126	6.3227	1.1458	-0.0186	7.4499
164	79.1	80.4	3.6968	2.2072	-0.0012	5.9028	6.3938	1.1515	-0.0177	7.5276
165	81.5	81.4	3.6889	2.206	-0.0013	5.8936	6.4562	1.1592	-0.0183	7.5971
166	81.1	82.3	3.6803	2.2046	-0.0013	5.8836	6.5375	1.1564	-0.0193	7.6746
167	78.8	83.2	3.673	2.2029	-0.0013	5.8747	6.613	1.1438	-0.0119	7.7449
168	81	84.3	3.666	2.2016	-0.0012	5.8664	6.677	1.1437	-0.0063	7.8144
169	83.3	85.3	3.6591	2.2	-0.0013	5.8579	6.7454	1.1389	-0.0029	7.8814
170	84.7	86.1	3.6514	2.1984	-0.0013	5.8484	6.8215	1.1406	-0.0008	7.9613
171	85.9	87.2	3.6439	2.197	-0.0014	5.8396	6.9146	1.1532	-0.001	8.0668
172	88.2	88.4	3.6367	2.1959	-0.0013	5.8312	6.9895	1.1602	0.0002	8.1499
173	89.2	89.9	3.6271	2.1949	-0.0014	5.8206	7.0633	1.1632	0.0009	8.2274
174	91.5	91.1	3.6211	2.1936	-0.0013	5.8134	7.1432	1.1691	0.0003	8.3126
175	91.6	92.3	3.6145	2.1921	-0.0009	5.8057	7.2034	1.1722	-0.0008	8.3748
176	90.3	93.6	3.607	2.1911	-0.0003	5.7977	7.2616	1.1786	-0.0027	8.4376

177	94.2	94.8	3.598	2.1901	-0.0002	5.7879	7.3276	1.1796	-0.0051	8.5021
178	95.8	96.3	3.587	2.1887	-0.0003	5.7754	7.4213	1.1775	-0.0056	8.5932
179	95	97.7	3.5778	2.1872	-0.0003	5.7646	7.4858	1.1682	-0.0041	8.6499
180	101	99.1	3.5706	2.1857	-0.0004	5.7558	7.5328	1.1594	-0.0013	8.6909
181	107	100	3.5614	2.1843	-0.0004	5.7454	7.6194	1.1579	0.0007	8.778
182	108	101	3.5555	2.1829	-0.0005	5.7379	7.7084	1.1653	0.0022	8.8759
183	102	103	3.5475	2.1821	-0.0006	5.729	7.7724	1.1551	0.0053	8.9328
184	104	104	3.5402	2.1807	-0.0008	5.7201	7.8525	1.1584	0.0053	9.0162
185	106	105	3.5333	2.1792	-0.0008	5.7117	7.9368	1.1514	0.0052	9.0934
186	102	107	3.5238	2.1776	-0.0004	5.701	7.9999	1.1435	0.0066	9.1499
187	110	108	3.516	2.1761	0	5.6921	8.0751	1.1499	0.0082	9.2332
188	111	109	3.5078	2.1749	0.0001	5.6829	8.1661	1.1539	0.0098	9.3298
189	110	110	3.4989	2.1732	0.0003	5.6723	8.2453	1.1549	0.0112	9.4114
190	110	111	3.4913	2.1722	0.0001	5.6636	8.3131	1.1613	0.0125	9.4869
191	110	112	3.4817	2.1709	0	5.6527	8.3896	1.1711	0.0139	9.5746
192	113	112	3.474	2.1699	-0.0002	5.6437	8.4686	1.1703	0.0149	9.6537
193	115	113	3.4654	2.1686	-0.0002	5.6338	8.5489	1.1761	0.013	9.738
194	118	114	3.4557	2.1674	-0.0002	5.6229	8.5946	1.1876	0.013	9.7952
195	120	115	3.4479	2.1661	-0.0004	5.6136	8.6652	1.1946	0.0137	9.8736
196	117	117	3.4391	2.165	-0.0004	5.6036	8.7331	1.2008	0.0132	9.9471
197	118	117	3.4303	2.1639	-0.0002	5.594	8.7727	1.2047	0.014	9.9914
198	113	118	3.4234	2.1622	-0.0005	5.5851	8.8425	1.2113	0.0145	10.0683
199	119	119	3.4162	2.1597	-0.0004	5.5755	8.9145	1.2171	0.015	10.1466
200	119	119	3.4087	2.1584	-0.0004	5.5667	8.9778	1.2214	0.0144	10.2135
201	119	120	3.4011	2.1569	-0.0003	5.5577	9.0429	1.2272	0.0133	10.2834
202	123	121	3.3935	2.1557	-0.0001	5.549	9.0882	1.2344	0.0122	10.3348
203	122	121	3.3856	2.1543	-0.0002	5.5397	9.1348	1.23	0.0129	10.3777
204	125	122	3.3777	2.1534	-0.0003	5.5308	9.1857	1.2271	0.0139	10.4267
205	125	122	3.3681	2.1525	-0.0003	5.5203	9.2298	1.2269	0.015	10.4718
206	124	123	3.36	2.1514	-0.0003	5.5111	9.2763	1.2248	0.0139	10.515
207	118	123	3.351	2.1502	-0.0003	5.5009	9.3682	1.2317	0.013	10.6129
208	125	124	3.3425	2.1485	-0.0002	5.4908	9.4423	1.2344	0.0133	10.69
209	123	125	3.3338	2.1475	0	5.4813	9.4868	1.2452	0.0144	10.7464
210	124	126	3.3251	2.146	-0.0001	5.471	9.5439	1.2503	0.0164	10.8106
211	129	126	3.3153	2.1447	-0.0002	5.4599	9.5834	1.2509	0.0186	10.8528
212	126	127	3.3058	2.143	-0.0003	5.4485	9.6308	1.2518	0.0183	10.901
213	126	128	3.2955	2.1416	-0.0005	5.4366	9.6933	1.2623	0.018	10.9736

214	124	128	3.2855	2.1396	-0.0005	5.4246	9.7244	1.2724	0.0179	11.0148
215	126	129	3.2748	2.1383	-0.0004	5.4127	9.7702	1.2754	0.018	11.0635
216	130	130	3.2646	2.1379	-0.0005	5.4021	9.8242	1.2677	0.016	11.108
217	131	130	3.2559	2.1367	-0.0004	5.3922	9.8379	1.2603	0.0159	11.1141
218	131	131	3.2463	2.1352	-0.0005	5.381	9.8948	1.2566	0.0156	11.167
219	133	132	3.2361	2.1343	-0.0007	5.3697	9.9335	1.2556	0.0172	11.2064
220	137	132	3.2239	2.1327	-0.0007	5.3559	9.9829	1.2499	0.0146	11.2474
221	134	133	3.2137	2.131	-0.0007	5.344	10.0239	1.2424	0.0131	11.2794
222	133	134	3.2037	2.1294	-0.0008	5.3324	10.0403	1.2466	0.0125	11.2995
223	134	135	3.1921	2.128	-0.0008	5.3192	10.0666	1.2464	0.0149	11.3279
224	141	137	3.1817	2.1267	-0.0008	5.3075	10.0964	1.2399	0.0167	11.353
225	136	138	3.1722	2.1253	-0.0007	5.2967	10.1434	1.237	0.017	11.3974
226	132	139	3.1619	2.1243	-0.0006	5.2855	10.2254	1.2276	0.0216	11.4746
227	135	140	3.1496	2.1232	-0.0007	5.2721	10.2912	1.2289	0.029	11.5491
228	138	140	3.1391	2.1225	-0.0008	5.2609	10.3449	1.2313	0.0321	11.6083
229	135	141	3.13	2.1214	-0.001	5.2503	10.376	1.2275	0.033	11.6365
230	142	141	3.118	2.1203	-0.001	5.2373	10.3912	1.2296	0.0324	11.6532
231	148	142	3.1056	2.1185	-0.0011	5.223	10.4383	1.2392	0.0314	11.7089
232	146	142	3.0961	2.1174	-0.0012	5.2123	10.4533	1.2434	0.0325	11.7291
233	153	143	3.0837	2.1165	-0.0013	5.1989	10.5142	1.2416	0.0341	11.7898
234	149	143	3.0723	2.1156	-0.0014	5.1865	10.5631	1.2502	0.0337	11.847
235	150	144	3.0617	2.1145	-0.0014	5.1749	10.5979	1.2503	0.0322	11.8804
236	145	145	3.0501	2.1133	-0.0015	5.162	10.6408	1.2478	0.0337	11.9223
237	142	146	3.0372	2.1124	-0.0016	5.1479	10.6719	1.2458	0.0359	11.9536
238	144	147	3.0252	2.1114	-0.0018	5.1348	10.6914	1.2627	0.0391	11.9932
239	148	148	3.0138	2.11	-0.0019	5.122	10.7343	1.2621	0.0426	12.039
240	148	148	3.0013	2.1085	-0.002	5.1078	10.7708	1.2594	0.0467	12.077
241	138	149	2.9894	2.1072	-0.002	5.0946	10.7961	1.2611	0.0454	12.1026
242	146	149	2.9769	2.1059	-0.002	5.0808	10.8238	1.2604	0.0436	12.1277
243	143	149	2.9669	2.1041	-0.0019	5.0691	10.8594	1.2603	0.042	12.1617
244	150	149	2.955	2.1028	-0.0019	5.056	10.8975	1.2579	0.0433	12.1987
245	153	149	2.9439	2.1017	-0.0018	5.0439	10.9261	1.2569	0.0429	12.2259
246	156	150	2.9348	2.1005	-0.0018	5.0335	10.9826	1.2582	0.0412	12.282
247	154	151	2.9226	2.0993	-0.0019	5.02	10.9921	1.261	0.0401	12.2932
248	152	152	2.9104	2.0978	-0.002	5.0063	11.0297	1.2577	0.0429	12.3303
249	152	152	2.8996	2.0967	-0.0019	4.9944	11.0893	1.249	0.0411	12.3794
250	155	153	2.8871	2.0957	-0.0019	4.9809	11.119	1.2343	0.0434	12.3967

251	156	154	2.8765	2.0943	-0.0019	4.9689	11.1635	1.2346	0.046	12.4441
252	150	155	2.8648	2.094	-0.002	4.9569	11.2015	1.2372	0.0469	12.4856
253	150	155	2.8533	2.0935	-0.0021	4.9447	11.2097	1.2402	0.0492	12.4992
254	158	156	2.844	2.0924	-0.0022	4.9342	11.2498	1.2361	0.0499	12.5357
255	161	156	2.8312	2.0914	-0.0021	4.9205	11.283	1.2367	0.0472	12.5669
256	157	157	2.8178	2.09	-0.002	4.9058	11.3191	1.2381	0.0474	12.6045
257	154	158	2.8046	2.0889	-0.002	4.8916	11.3675	1.2374	0.0488	12.6536
258	161	159	2.7939	2.0876	-0.0019	4.8796	11.3713	1.2336	0.0499	12.6547
259	158	159	2.7813	2.0866	-0.0021	4.8658	11.3996	1.2319	0.0502	12.6817
260	159	160	2.7702	2.0858	-0.0023	4.8537	11.4557	1.2322	0.0529	12.7407
261	158	161	2.7577	2.0847	-0.0025	4.8399	11.4664	1.2272	0.0527	12.7463
262	160	162	2.7434	2.0829	-0.0026	4.8237	11.4897	1.2267	0.0506	12.767
263	161	163	2.7327	2.0813	-0.0028	4.8111	11.5152	1.2217	0.0508	12.7876
264	162	163	2.7198	2.0796	-0.003	4.7965	11.5121	1.2184	0.0529	12.7833
265	171	164	2.7065	2.0792	-0.0029	4.7828	11.5349	1.215	0.052	12.802
266	161	164	2.6965	2.0786	-0.0029	4.7722	11.5281	1.2165	0.0517	12.7963
267	167	165	2.6836	2.0772	-0.0028	4.758	11.5392	1.2288	0.0526	12.8206
268	169	166	2.6726	2.0761	-0.0029	4.7457	11.5785	1.2272	0.0569	12.8626
269	163	166	2.6608	2.0751	-0.0028	4.7331	11.5715	1.225	0.057	12.8535
270	173	167	2.649	2.0741	-0.0027	4.7205	11.5606	1.2275	0.0541	12.8422
271	174	168	2.6399	2.0724	-0.0027	4.7096	11.5306	1.2296	0.055	12.8152
272	170	169	2.63	2.0712	-0.0028	4.6984	11.5444	1.2342	0.0539	12.8326
273	168	170	2.6174	2.0709	-0.003	4.6853	11.5692	1.2283	0.0546	12.8521
274	163	170	2.6067	2.0699	-0.003	4.6736	11.5486	1.2246	0.0525	12.8257
275	163	171	2.592	2.0693	-0.0031	4.6582	11.5542	1.2242	0.0526	12.831
276	173	172	2.5778	2.0682	-0.0032	4.6428	11.5608	1.222	0.0542	12.837
277	173	173	2.5635	2.0669	-0.0034	4.627	11.5827	1.2219	0.0558	12.8604
278	165	173	2.5494	2.066	-0.0036	4.6118	11.5599	1.2214	0.0558	12.8371
279	174	174	2.5386	2.0642	-0.0036	4.5993	11.5513	1.2267	0.0558	12.8338
280	179	175	2.5268	2.0617	-0.0035	4.5849	11.5603	1.2255	0.054	12.8398
281	177	175	2.5161	2.06	-0.0036	4.5725	11.5387	1.2245	0.0529	12.8161
282	177	175	2.5041	2.0587	-0.0039	4.5589	11.5436	1.2159	0.0518	12.8113
283	174	176	2.4912	2.057	-0.0039	4.5443	11.5442	1.214	0.0496	12.8078
284	182	177	2.4804	2.0557	-0.004	4.5321	11.5385	1.2141	0.0472	12.7998
285	182	177	2.4693	2.0544	-0.0042	4.5195	11.5468	1.2165	0.0456	12.8089
286	184	177	2.4566	2.053	-0.004	4.5056	11.5433	1.2111	0.0481	12.8025
287	178	178	2.4469	2.0498	-0.0039	4.4927	11.5485	1.2177	0.0498	12.8161

288	177	179	2.4344	2.0487	-0.0041	4.479	11.5385	1.2284	0.0482	12.8151
289	182	179	2.4218	2.0472	-0.0044	4.4646	11.5484	1.2284	0.0481	12.825
290	176	179	2.4117	2.0461	-0.0044	4.4534	11.5703	1.2233	0.0489	12.8424
291	181	179	2.3993	2.0449	-0.0043	4.4399	11.5581	1.2322	0.0473	12.8375
292	177	180	2.3881	2.0438	-0.0044	4.4275	11.5337	1.2421	0.0497	12.8255
293	180	180	2.3756	2.0429	-0.0045	4.414	11.4881	1.2655	0.0521	12.8056
294	178	180	2.3631	2.0417	-0.0045	4.4003	11.5605	1.2335	0.0531	12.8471
295	175	181	2.3496	2.0403	-0.0045	4.3854	11.5157	1.2515	0.0543	12.8215
296	184	181	2.3398	2.0389	-0.0044	4.3743	11.5104	1.2642	0.0555	12.8301
297	181	181	2.3274	2.0381	-0.0045	4.361	11.5236	1.2862	0.0577	12.8675
298	171	181	2.3145	2.0373	-0.0046	4.3472	11.5666	1.2555	0.0576	12.8797
299	183	181	2.3043	2.0363	-0.0047	4.3358	11.5673	1.2266	0.0565	12.8504
300	184	181	2.2923	2.0349	-0.005	4.3223	11.5739	1.2455	0.0595	12.879
301	185	181	2.281	2.0332	-0.005	4.3092	11.4696	1.3614	0.0617	12.8927
302	184	181	2.2725	2.0316	-0.005	4.2991	11.3406	1.438	0.0644	12.843
303	184	181	2.2606	2.0306	-0.0051	4.2861	11.2836	1.5335	0.065	12.8821
304	186	181	2.2494	2.0297	-0.005	4.2741	11.2228	1.5513	0.0631	12.8372
305	185	181	2.2362	2.0287	-0.005	4.2598	11.1901	1.5905	0.0609	12.8414
306	185	181	2.2232	2.0276	-0.0052	4.2457	11.2587	1.4936	0.0601	12.8124
307	180	182	2.2139	2.0268	-0.0053	4.2354	11.2449	1.4776	0.061	12.7835
308	180	183	2.2026	2.0253	-0.0052	4.2226	11.2248	1.4766	0.0619	12.7634
309	184	183	2.1883	2.0243	-0.0053	4.2072	11.1524	1.4993	0.064	12.7158
310	180	182	2.1785	2.0232	-0.0054	4.1963	11.2129	1.4366	0.0631	12.7126
311	175	182	2.1663	2.022	-0.0052	4.1832	11.2501	1.426	0.0615	12.7376
312	174	182	2.1543	2.0209	-0.0054	4.1698	11.2081	1.4191	0.0604	12.6876
313	176	182	2.1442	2.0197	-0.0057	4.1582	11.2169	1.3733	0.0608	12.651
314	182	182	2.132	2.0181	-0.0057	4.1444	11.2365	1.3613	0.0585	12.6564
315	185	182	2.122	2.0167	-0.0056	4.1331	11.2026	1.3531	0.06	12.6158
316	189	182	2.1107	2.015	-0.0057	4.12	11.1413	1.3793	0.0652	12.5858
317	189	182	2.098	2.014	-0.0061	4.1059	11.1034	1.4421	0.0684	12.6139
318	180	182	2.0892	2.0127	-0.0062	4.0956	10.9387	1.5883	0.0709	12.5979
319	177	182	2.08	2.0116	-0.0061	4.0855	10.9474	1.5544	0.0709	12.5727
320	184	182	2.0708	2.0098	-0.0062	4.0744	10.9494	1.5347	0.0734	12.5575
321	181	182	2.0593	2.0076	-0.0061	4.0608	10.9589	1.5242	0.0739	12.557
322	183	183	2.0468	2.0066	-0.0063	4.0472	11.0265	1.497	0.0722	12.5957
323	185	183	2.0372	2.0055	-0.0061	4.0366	11.0375	1.4988	0.0306	12.5669
324	185	184	2.0262	2.0043	-0.0061	4.0244	11.0712	1.4774	0.0139	12.5625

325	183	184	2.0161	2.0031	-0.0061	4.013	11.0005	1.5016	0.0183	12.5204
326	184	184	2.0036	2.0021	-0.0062	3.9995	11.0079	1.476	0.02	12.504
327	181	184	1.9937	2.001	-0.0063	3.9884	10.8975	1.5206	0.0169	12.4351
328	179	184	1.984	1.9999	-0.0064	3.9775	10.8331	1.5297	0.0136	12.3764
329	180	185	1.9739	1.9988	-0.0064	3.9664	10.8696	1.4676	0.0108	12.348
330	186	185	1.9641	1.9978	-0.0063	3.9557	10.7442	1.5353	0.011	12.2904
331	181	185	1.9513	1.9969	-0.0063	3.9418	10.7091	1.5428	0.0131	12.265
332	191	186	1.9417	1.996	-0.0062	3.9315	10.6579	1.5651	0.0125	12.2355
333	189	186	1.9299	1.995	-0.0061	3.9189	10.625	1.5838	0.0134	12.2222
334	182	186	1.9176	1.9939	-0.006	3.9056	10.5836	1.5684	0.0175	12.1695
335	188	187	1.9074	1.9934	-0.0062	3.8946	10.5469	1.5922	0.0175	12.1566
336	190	187	1.8952	1.9916	-0.0064	3.8803	10.6178	1.5122	0.0145	12.1444
337	186	188	1.8833	1.9895	-0.0064	3.8664	10.6129	1.452	0.0188	12.0837
338	188	189	1.8703	1.9886	-0.0066	3.8523	10.6141	1.421	0.0169	12.0521
339	191	190	1.8568	1.9877	-0.0068	3.8377	10.5546	1.4652	0.0138	12.0336
340	187	190	1.8455	1.9853	-0.0067	3.8241	10.4412	1.5238	0.0123	11.9773
341	192	191	1.8361	1.983	-0.007	3.8121	10.376	1.5455	0.0146	11.9361
342	193	191	1.8281	1.9794	-0.0072	3.8002	10.3351	1.5541	0.0168	11.906
343	187	191	1.8109	1.9808	-0.0072	3.7844	10.2839	1.5861	0.0155	11.8855
344	196	192	1.8035	1.9776	-0.0073	3.7738	10.2667	1.5876	0.0161	11.8703
345	189	192	1.7929	1.9753	-0.0074	3.7609	10.2961	1.5665	0.0181	11.8806
346	193	192	1.7824	1.9719	-0.0076	3.7468	10.1961	1.595	0.0213	11.8125
347	198	192	1.7659	1.9738	-0.0077	3.7321	10.1527	1.6201	0.0246	11.7974
348	194	192	1.7537	1.9752	-0.0077	3.7212	10.1011	1.625	0.0269	11.7531
349	194	192	1.7422	1.9721	-0.0079	3.7065	10.2045	1.6442	0.0289	11.8776
350	195	193	1.7402	1.9596	-0.0081	3.6917	10.4718	1.2237	0.0263	11.7218
351	195	192	1.7425	1.9505	-0.0083	3.6846	10.4754	1.2337	0.0222	11.7314
352	192	192	1.7365	1.9407	-0.0085	3.6686	10.387	1.182	0.0236	11.5926
353	199	192	1.731	1.9384	-0.0084	3.661	10.4036	1.1591	0.0238	11.5865
354	195	192	1.725	1.9333	-0.0083	3.6501	10.3621	1.1523	0.0235	11.5378
355	182	192	1.7053	1.942	-0.0081	3.6393	10.2737	1.2033	0.0268	11.5038
356	189	192	1.6933	1.9423	-0.0081	3.6275	10.1489	1.2782	0.0266	11.4537
357	195	191	1.6821	1.9413	-0.0082	3.6152	10.0179	1.3601	0.0276	11.4056
358	193	191	1.6787	1.9377	-0.0083	3.608	9.9288	1.4202	0.0254	11.3745
359	190	190	1.66	1.9429	-0.0084	3.5945	9.8018	1.5389	0.026	11.3666
360	189	190	1.6452	1.9432	-0.0085	3.5799	9.6345	1.6105	0.027	11.272
361	190	189	1.6369	1.9427	-0.0085	3.5711	9.5923	1.6258	0.0276	11.2457

362	189	189	1.6217	1.9456	-0.0087	3.5586	9.541	1.6137	0.0315	11.1863
363	192	189	1.609	1.9451	-0.0087	3.5454	9.4893	1.6103	0.0318	11.1313
364	183	188	1.5995	1.9443	-0.009	3.5349	9.532	1.5384	0.029	11.0994
365	194	188	1.5924	1.9413	-0.0094	3.5242	9.4885	1.5165	0.0315	11.0365
366	189	188	1.5862	1.9344	-0.0097	3.5108	9.4691	1.4931	0.0334	10.9956
367	177	187	1.5897	1.9184	-0.0099	3.4982	9.4316	1.476	0.033	10.9406
368	188	187	1.5779	1.9206	-0.01	3.4885	9.3383	1.4863	0.0284	10.8531
369	187	186	1.5659	1.9216	-0.0101	3.4774	9.3477	1.4717	0.0296	10.849
370	181	186	1.5531	1.9217	-0.01	3.4648	9.3012	1.4663	0.0328	10.8003
371	189	185	1.5372	1.9227	-0.0099	3.45	9.2746	1.4788	0.0351	10.7885
372	193	184	1.5263	1.9213	-0.0059	3.4417	9.2027	1.506	0.038	10.7467
373	191	183	1.5103	1.9232	-0.0044	3.4291	9.102	1.5703	0.0392	10.7116
374	183	183	1.5067	1.9198	-0.0049	3.4216	9.2289	1.4587	0.0437	10.7313
375	183	182	1.4912	1.9217	-0.0051	3.4078	9.4137	1.2289	0.0445	10.6872
376	176	182	1.4881	1.9161	-0.0049	3.3993	9.3554	1.2171	0.046	10.6185
377	188	182	1.4802	1.914	-0.0048	3.3894	9.286	1.2303	0.0444	10.5607
378	181	182	1.4624	1.9192	-0.0047	3.377	9.2107	1.2549	0.0433	10.509
379	175	181	1.4642	1.9107	-0.0047	3.3702	9.1584	1.2709	0.0415	10.4708
380	177	180	1.4558	1.9075	-0.0048	3.3585	9.1148	1.2959	0.041	10.4517
381	175	180	1.4503	1.9035	-0.0049	3.3489	9.0606	1.2888	0.0456	10.395
382	173	178	1.4416	1.9003	-0.0052	3.3367	8.9925	1.2979	0.047	10.3374
383	180	177	1.4328	1.9002	-0.0057	3.3274	8.9547	1.3011	0.0484	10.3042
384	182	177	1.4257	1.8964	-0.0057	3.3164	8.909	1.3107	0.0524	10.2721
385	182	176	1.4075	1.9032	-0.0056	3.3051	8.8577	1.2985	0.0534	10.2096
386	178	176	1.3954	1.9078	-0.0059	3.2973	8.8128	1.3028	0.0526	10.1682
387	177	176	1.3854	1.9077	-0.0056	3.2875	8.7386	1.2961	0.0553	10.0901
388	174	176	1.3789	1.9022	-0.0055	3.2756	8.6733	1.2934	0.0581	10.0248
389	174	175	1.3777	1.8948	-0.0056	3.2669	8.3838	1.5507	0.0247	9.9592
390	171	175	1.3741	1.8916	-0.0059	3.2598	8.0621	1.8011	0.0047	9.8679
391	171	175	1.3658	1.8895	-0.006	3.2493	7.5768	2.2516	0.0058	9.8342
392	170	175	1.3597	1.8852	-0.006	3.239	6.9965	2.7666	0.0024	9.7655
393	172	174	1.349	1.8841	-0.0061	3.2269	6.6137	3.1103	0	9.724
394	172	173	1.3335	1.8851	-0.0063	3.2122	8.2591	1.3093	0	9.5684
395	177	172	1.33	1.8808	-0.0066	3.2042	8.2533	1.2784	0.0007	9.5324
396	179	171	1.3246	1.8769	-0.0069	3.1946	8.1653	1.2854	0.0035	9.4542
397	177	171	1.3173	1.8756	-0.0072	3.1857	8.1081	1.2534	0.002	9.3636
398	171	170	1.294	1.8729	-0.0075	3.1594	8.0276	1.2524	0.0033	9.2833

399	169	169	1.2571	1.9139	-0.0074	3.1636	7.9803	1.2465	0.005	9.2318
400	171	169	1.2448	1.9116	-0.0072	3.1491	7.8787	1.2348	0.0031	9.1166
401	173	169	1.2423	1.915	-0.0073	3.1499	7.8695	1.139	0.0013	9.0098
402	168	168	1.2321	1.9157	-0.0074	3.1405	7.9319	1.0759	-0.0022	9.0056
403	167	167	1.2244	1.9154	-0.0075	3.1324	7.9663	0.9416	-0.003	8.9049
404	163	167	1.222	1.9094	-0.0077	3.1238	7.9657	0.9252	0.0008	8.8918
405	159	166	1.2213	1.9009	-0.0077	3.1145	7.9322	0.8876	0.0062	8.8259
406	166	165	1.2214	1.8916	-0.0079	3.1051	7.7998	0.9832	0.011	8.794
407	163	164	1.221	1.8848	-0.0078	3.0979	7.7476	0.9943	0.011	8.7529
408	159	163	1.2224	1.8714	-0.0078	3.086	7.7022	0.9827	0.0109	8.6958
409	163	162	1.2248	1.8632	-0.008	3.08	7.7084	0.9705	0.0113	8.6903
410	162	161	1.2192	1.8607	-0.0081	3.0718	7.5248	1.0734	0.0129	8.6111
411	158	160	1.2122	1.8607	-0.0084	3.0645	7.3957	1.0947	0.0139	8.5043
412	161	159	1.2054	1.8598	-0.0086	3.0566	7.3821	1.071	0.0165	8.4696
413	162	158	1.191	1.8659	-0.0086	3.0483	7.3436	1.039	0.0193	8.402
414	160	157	1.1832	1.8664	-0.0089	3.0408	7.2636	1.031	0.0192	8.3137
415	158	157	1.1751	1.8674	-0.0089	3.0335	7.1707	1.062	0.0161	8.2488
416	156	156	1.1676	1.8674	-0.009	3.0259	7.154	1.0395	0.0147	8.2083
417	152	155	1.1642	1.8654	-0.0089	3.0206	7.1673	0.9611	0.0138	8.1422
418	157	154	1.1544	1.8655	-0.0092	3.0107	7.25	0.7902	0.0141	8.0543
419	154	154	1.1499	1.8649	-0.0094	3.0054	7.1721	0.8159	0.0154	8.0034
420	152	153	1.1434	1.8619	-0.0097	2.9955	7.0849	0.8455	0.018	7.9485
421	152	152	1.139	1.857	-0.0099	2.9861	6.9815	0.8585	0.0205	7.8605
422	153	151	1.1366	1.8496	-0.0102	2.976	6.8555	0.8757	0.0227	7.7539
423	145	150	1.1143	1.8596	-0.0105	2.9635	6.786	0.859	0.0613	7.7062
424	149	150	1.0849	1.8814	-0.0106	2.9557	6.6746	0.8723	0.0746	7.6215
425	148	148	1.0805	1.8814	-0.0108	2.9511	6.6972	0.8053	0.0728	7.5753
426	146	147	1.075	1.8791	-0.0106	2.9434	6.5692	0.8265	0.0711	7.4667
427	150	147	1.0726	1.8755	-0.0106	2.9375	6.5808	0.764	0.0721	7.4169
428	144	145	1.0681	1.8728	-0.0105	2.9304	6.5071	0.7688	0.0743	7.3501
429	143	144	1.0625	1.8692	-0.0105	2.9212	6.3638	0.8317	0.0802	7.2758
430	147	143	1.0581	1.869	-0.0109	2.9162	6.4079	0.7571	0.0805	7.2455
431	144	142	1.052	1.8671	-0.011	2.9081	6.357	0.7494	0.0804	7.1868
432	149	141	1.0462	1.8659	-0.011	2.9011	6.3127	0.7349	0.0827	7.1303
433	143	140	1.039	1.864	-0.0113	2.8917	6.2542	0.7122	0.0828	7.0491
434	134	139	1.0319	1.8641	-0.0113	2.8846	6.2247	0.7073	0.0797	7.0116
435	137	138	1.0261	1.8631	-0.0115	2.8778	6.1842	0.6689	0.0788	6.9319

436	140	137	1.0214	1.8619	-0.012	2.8713	6.0314	0.7465	0.082	6.8599
437	132	136	1.016	1.8602	-0.0123	2.8639	5.9477	0.7945	0.0801	6.8223
438	130	135	1.0319	1.8335	-0.009	2.8564	5.891	0.7786	0.0866	6.7562
439	133	133	1.0506	1.8076	-0.0072	2.8509	5.8599	0.7202	0.0878	6.668
440	131	132	1.0878	1.7601	-0.0073	2.8406	5.873	0.6545	0.0866	6.6141
441	129	131	1.1364	1.7063	-0.0072	2.8355	5.8851	0.6252	0.085	6.5953
442	130	129	1.1667	1.6683	-0.0072	2.8278	5.8499	0.6102	0.0846	6.5448
443	127	128	0.9849	1.8498	-0.0072	2.8276	5.7982	0.5735	0.0882	6.4598
444	127	127	0.9781	1.8498	-0.0074	2.8206	5.691	0.5877	0.0878	6.3664
445	130	126	0.9764	1.8468	-0.0077	2.8154	5.5584	0.6006	0.0856	6.2445
446	128	125	0.9716	1.8465	-0.0078	2.8104	5.5461	0.5578	0.0827	6.1866
447	124	124	0.9632	1.8485	-0.008	2.8037	5.5101	0.5205	0.0796	6.1102
448	121	123	0.9557	1.8505	-0.0082	2.7981	5.4696	0.5089	0.0769	6.0553
449	123	122	0.9543	1.8487	-0.0082	2.7948	5.2708	0.4917	0.0757	5.8383
450	121	121	0.9532	1.8457	-0.0082	2.7907	4.9326	0.8982	0.0782	5.909
451	118	120	0.9493	1.8429	-0.0081	2.7841	4.8664	0.854	0.0818	5.8021
452	114	119	0.9398	1.8465	-0.0082	2.7782	4.8599	0.8968	0.0807	5.8374
453	115	118	0.9344	1.8459	-0.0085	2.7718	4.7645	0.9183	0.0806	5.7634
454	116	117	0.9318	1.8446	-0.0089	2.7675	4.6905	0.937	0.0823	5.7098
455	117	115	0.9254	1.8437	-0.0092	2.7599	4.6865	0.8799	0.0818	5.6482
456	116	114	0.9186	1.8428	-0.0092	2.7522	4.6862	0.79	0.082	5.5583
457	114	113	0.9119	1.843	-0.0093	2.7457	4.7038	0.7081	0.0819	5.4939
458	115	112	0.9078	1.8406	-0.0095	2.739	4.7148	0.6477	0.0828	5.4453
459	110	111	0.9075	1.8356	-0.0097	2.7334	4.7372	0.5189	0.082	5.3381
460	109	110	0.9057	1.8337	-0.0099	2.7295	4.7774	0.4515	0.0816	5.3105
461	108	109	0.8987	1.8356	-0.0102	2.7242	4.7373	0.4241	0.0834	5.2448
462	108	108	0.8873	1.8417	-0.0106	2.7184	4.6932	0.4347	0.0842	5.2121
463	110	108	0.8827	1.842	-0.0106	2.7141	4.6272	0.4295	0.0833	5.1401
464	105	107	0.8825	1.8381	-0.0106	2.71	5.0471	0.194	-0.0811	5.16
465	103	106	0.877	1.8373	-0.0109	2.7034	7.3789	-0.8293	-1.1288	5.4208
466	107	105	0.8694	1.8383	-0.0111	2.6966	7.2572	0.0984	-1.8883	5.4673
467	101	105	0.8647	1.8394	-0.0113	2.6927	7.1506	0.4024	-1.8934	5.6596
468	105	104	0.8607	1.839	-0.0116	2.6881	7.0903	0.421	-1.9008	5.6106
469	98.1	103	0.8574	1.837	-0.0119	2.6825	6.9817	0.4534	-1.9223	5.5128
470	99.9	102	0.855	1.8359	-0.0121	2.6787	6.943	0.4547	-1.9219	5.4758
471	103	101	0.8517	1.8351	-0.0121	2.6747	6.8826	0.4398	-1.9359	5.3866
472	103	101	0.8477	1.8354	-0.012	2.6711	6.8492	0.3969	-1.9369	5.3092

473	103	100	0.8429	1.836	-0.0119	2.6669	6.8431	0.3	-1.9003	5.2427
474	102	99.5	0.837	1.8392	-0.0121	2.6641	6.6472	0.4078	-1.8976	5.1574
475	97.4	99.1	0.8343	1.8391	-0.0122	2.6612	6.4112	0.5377	-1.7692	5.1797
476	101	98.3	0.83	1.8397	-0.0121	2.6576	6.5276	0.6268	-1.4465	5.7079
477	95.9	97.8	0.8295	1.8371	-0.0122	2.6544	6.5429	0.6066	-1.4569	5.6927
478	96.1	97.2	0.8261	1.836	-0.0127	2.6494	6.5359	0.5385	-1.4358	5.6387
479	95.5	96.8	0.8234	1.835	-0.0127	2.6457	6.5143	0.5203	-1.4336	5.6009
480	94.5	96.1	0.8201	1.8325	-0.0129	2.6398	6.466	0.4705	-1.4121	5.5244
481	96.3	95.5	0.8191	1.83	-0.0132	2.6359	6.4377	0.4295	-1.4021	5.4652
482	96.8	94.8	0.8161	1.8291	-0.0135	2.6317	6.3932	0.3804	-1.3887	5.3849
483	92.9	94	0.8104	1.8295	-0.0136	2.6262	6.3489	0.3462	-1.3778	5.3173
484	94.6	93.2	0.8073	1.8296	-0.0136	2.6232	6.2852	0.3131	-1.3781	5.2201
485	93.4	92.6	0.8043	1.8285	-0.0138	2.6191	6.2146	0.3356	-1.3971	5.153
486	90.3	91.6	0.8006	1.8284	-0.0139	2.615	6.1651	0.3167	-1.393	5.0888
487	92.7	91.1	0.7963	1.8298	-0.0143	2.6119	6.1344	0.2958	-1.4042	5.0261
488	90.8	90.5	0.7929	1.8302	-0.0143	2.6088	6.4489	0.0233	-1.5714	4.9008
489	87.6	89.8	0.7904	1.8294	-0.0143	2.6055	7.9941	-0.9534	-2.2396	4.801
490	89.9	89.1	0.7856	1.829	-0.0144	2.6002	8.6137	-0.7924	-2.6015	5.2199
491	89.8	88.5	0.7808	1.8285	-0.0145	2.5948	9.0007	-1.2802	-2.5832	5.1373
492	88.4	87.7	0.7799	1.8279	-0.0148	2.593	9.4823	-1.8304	-2.559	5.0928
493	87.4	87	0.7799	1.8253	-0.0149	2.5903	9.7757	-2.2125	-2.5496	5.0136
494	85	86.2	0.7777	1.825	-0.0149	2.5878	7.9351	-0.381	-2.5419	5.0121
495	83.1	85.3	0.7754	1.825	-0.0149	2.5855	7.819	-0.3846	-2.4966	4.9377
496	85.3	84.5	0.7736	1.8248	-0.0148	2.5836	7.7671	-0.4331	-2.4468	4.8872
497	85.5	83.4	0.7703	1.8247	-0.0149	2.5802	7.6758	-0.4328	-2.4108	4.8322
498	81.9	82.6	0.767	1.8237	-0.0151	2.5756	7.5627	-0.4222	-2.369	4.7714
499	81.7	81.8	0.7639	1.8241	-0.0152	2.5727	7.4433	-0.4126	-2.3412	4.6895
500	83.8	80.9	0.7581	1.8262	-0.0154	2.5689	7.4334	-0.4422	-2.3285	4.6627
501	82.8	79.9	0.7563	1.8253	-0.0154	2.5662	7.4198	-0.4686	-2.329	4.6222
502	78.5	79.1	0.7557	1.8239	-0.0155	2.5641	7.3808	-0.4886	-2.341	4.5512
503	79.5	78.1	0.7554	1.8217	-0.0157	2.5614	7.3107	-0.4323	-2.3746	4.5038
504	76.7	77.2	0.7534	1.8214	-0.0158	2.5589	7.2431	-0.4175	-2.3512	4.4743
505	74.1	76.5	0.7526	1.8219	-0.0159	2.5586	7.2018	-0.4247	-2.3228	4.4543
506	73	75.6	0.7511	1.8208	-0.0161	2.5557	7.1563	-0.4268	-2.3141	4.4154
507	75.1	74.7	0.7495	1.82	-0.0161	2.5534	7.1339	-0.4318	-2.3588	4.3434
508	73.1	74	0.7487	1.8195	-0.016	2.5521	7.036	-0.4244	-2.3304	4.2812
509	72.8	73.3	0.7471	1.818	-0.0162	2.5489	6.9736	-0.4102	-2.3214	4.242

510	70.9	72.5	0.7455	1.8183	-0.0165	2.5473	6.9871	-0.4448	-2.346	4.1963
511	73	71.6	0.7429	1.8172	-0.0168	2.5433	7.0004	-0.4498	-2.3362	4.2144
512	67.2	70.9	0.7427	1.8169	-0.0169	2.5426	6.9608	-0.4141	-2.3489	4.1977
513	67.9	70.1	0.6863	1.8465	-0.0005	2.5323	6.878	-0.3564	-2.3533	4.1682
514	70.5	69.4	0.4453	1.9493	0.104	2.4987	6.8354	-0.3555	-2.3547	4.1252
515	69.2	68.8	0.4494	1.8575	0.1799	2.4868	6.8265	-0.3958	-2.345	4.0857
516	67.6	68.3	0.4525	1.8272	0.1803	2.46	6.7746	-0.4039	-2.3366	4.0341
517	69.1	67.4	0.4552	1.8233	0.1811	2.4596	6.7131	-0.3938	-2.3324	3.9869
518	68.6	66.7	0.4562	1.8201	0.1831	2.4595	6.6763	-0.4104	-2.2992	3.9667
519	67.6	65.8	0.4556	1.8195	0.1828	2.4579	6.6516	-0.4494	-2.2687	3.9336
520	66.4	64.9	0.4551	1.8179	0.1839	2.4569	6.6248	-0.4769	-2.2428	3.9051
521	65.8	63.9	0.4541	1.8173	0.1838	2.4552	6.6235	-0.4753	-2.2415	3.9067
522	62.6	63.1	0.4523	1.8196	0.1799	2.4517	6.6112	-0.4791	-2.2425	3.8897
523	64.8	62.3	0.4496	1.8189	0.1793	2.4478	6.5736	-0.4787	-2.2024	3.8925
524	62.8	61.2	0.4438	1.8276	0.1664	2.4377	6.5029	-0.478	-2.1812	3.8438
525	62	60.2	0.4278	1.8187	0.1339	2.3803	6.4419	-0.4413	-2.1639	3.8367
526	59.5	59.2	0.4207	1.8184	0.135	2.3742	6.4862	-0.4301	-2.2226	3.8335
527	58.3	58	0.419	1.8217	0.133	2.3737	6.5738	-0.4032	-2.369	3.8016
528	56	56.9	0.4167	1.8207	0.1328	2.3703	6.5116	-0.4271	-2.3335	3.7511
529	54.4	55.8	0.4159	1.8222	0.1307	2.3688	6.4096	-0.4336	-2.3011	3.6749
530	53.7	54.9	0.4143	1.826	0.1293	2.3696	6.3379	-0.4289	-2.2777	3.6313
531	52.8	53.8	0.4127	1.8291	0.1279	2.3696	6.3001	-0.4454	-2.283	3.5716
532	51.9	52.9	0.4113	1.8313	0.1268	2.3694	6.2978	-0.4644	-2.293	3.5404
533	49.5	51.9	0.4105	1.8327	0.1265	2.3697	6.2858	-0.47	-2.2963	3.5195
534	49.7	50.9	0.4104	1.8305	0.1284	2.3693	6.2344	-0.4452	-2.3042	3.485
535	49.3	49.9	0.4096	1.8315	0.1278	2.3689	6.1598	-0.4368	-2.2947	3.4283
536	47.1	49.1	0.4079	1.8324	0.1284	2.3687	6.1023	-0.4402	-2.2822	3.3799
537	46.7	48.2	0.3711	1.8579	0.1449	2.3739	6.0578	-0.4223	-2.2861	3.3495
538	48	47.5	0.2325	1.9289	0.2149	2.3763	6.016	-0.391	-2.2916	3.3335
539	47.5	46.8	0.1892	1.8868	0.2529	2.329	5.9531	-0.3919	-2.262	3.2992
540	46	46.1	0.1877	1.8882	0.251	2.3269	5.9236	-0.4044	-2.2472	3.2719
541	45.1	45.3	0.1882	1.8894	0.2487	2.3263	5.8632	-0.3972	-2.222	3.2441
542	45.3	44.6	0.1891	1.8896	0.2478	2.3265	5.8085	-0.3948	-2.2095	3.2041
543	43.9	43.9	0.1914	1.888	0.247	2.3264	5.8031	-0.3926	-2.209	3.2015
544	43.2	43.2	0.1962	1.8883	0.2423	2.3268	5.8427	-0.4294	-2.1958	3.2175
545	43.7	42.6	0.1997	1.8901	0.237	2.3267	5.8419	-0.4214	-2.1783	3.2422
546	42.2	42	0.2041	1.8898	0.2333	2.3272	5.8578	-0.4112	-2.1855	3.2612

547	42.6	41.6	0.2069	1.8908	0.2289	2.3266	5.8448	-0.3728	-2.1992	3.2728
548	40.7	41	0.2113	1.8918	0.226	2.3291	5.8177	-0.3758	-2.1946	3.2473
549	40.1	40.4	0.211	1.8929	0.2246	2.3285	5.7998	-0.3777	-2.1859	3.2362
550	38.4	40	0.2112	1.8925	0.2247	2.3285	5.7685	-0.3628	-2.1758	3.2299
551	37.8	39.6	0.2112	1.8918	0.226	2.329	5.7113	-0.3427	-2.1349	3.2337
552	37.1	39.1	0.2088	1.8897	0.2293	2.3278	5.7033	-0.3601	-2.1113	3.2319
553	36.1	38.7	0.2101	1.8876	0.2266	2.3244	5.7097	-0.3738	-2.107	3.2289
554	37.1	38.3	0.2116	1.8871	0.2234	2.3221	5.7326	-0.3926	-2.1219	3.2181
555	37.5	38	0.2097	1.8864	0.2222	2.3183	5.7243	-0.3795	-2.1442	3.2006
556	37.3	37.7	0.2052	1.886	0.2267	2.3179	5.7093	-0.3733	-2.1453	3.1908
557	38	37.3	0.2083	1.8854	0.2238	2.3175	5.6811	-0.3912	-2.1234	3.1665
558	36.5	37.1	0.2105	1.8817	0.2227	2.3148	5.6461	-0.3991	-2.1106	3.1365
559	37.8	36.8	0.2088	1.8801	0.2249	2.3138	5.6356	-0.3922	-2.1067	3.1368
560	36.4	36.6	0.2056	1.8787	0.2238	2.3081	5.6195	-0.4075	-2.0881	3.1239
561	37.2	36.5	0.2026	1.8771	0.2247	2.3044	5.6019	-0.4024	-2.0858	3.1138
562	36.2	36.3	0.1995	1.8773	0.2247	2.3016	5.571	-0.3964	-2.0895	3.0851
563	35.9	36.2	0.1991	1.8776	0.2248	2.3016	5.5568	-0.3945	-2.087	3.0752
564	36.3	36.1	0.1998	1.8777	0.2239	2.3014	5.0019	-0.0925	-1.9131	2.9963
565	36.4	36	0.1995	1.8777	0.2228	2.3	2.6084	0.9449	-0.8677	2.6856
566	36.5	35.8	0.1981	1.8776	0.2221	2.2979	2.6486	0.032	-0.1041	2.5765
567	36.3	35.7	0.1971	1.8804	0.2186	2.2961	2.6624	-0.2726	-0.0866	2.3032
568	35	35.6	0.1955	1.884	0.2153	2.2948	2.6859	-0.3131	-0.0733	2.2995
569	34	35.5	0.1949	1.8847	0.2124	2.292	2.7074	-0.3413	-0.0437	2.3223
570	35.9	35.5	0.1926	1.8834	0.2121	2.288	2.7011	-0.3455	-0.0431	2.3125
571	34	35.4	0.1906	1.883	0.2121	2.2857	2.696	-0.3404	-0.0292	2.3263
572	34	35.4	0.1903	1.8833	0.2082	2.2818	2.6915	-0.3427	-0.0331	2.3157
573	34.2	35.3	0.1926	1.8838	0.2062	2.2825	2.6763	-0.3034	-0.0811	2.2918
574	35.2	35.3	0.1928	1.8834	0.2043	2.2804	2.622	-0.3004	-0.0746	2.2469
575	35.1	35.2	0.1857	1.8821	0.2101	2.2778	2.5398	-0.208	-0.193	2.1387
576	35.1	35.2	0.1726	1.8801	0.2248	2.2775	2.3675	-0.2821	-0.5218	1.5636
577	35.6	35.1	0.1784	1.8798	0.2211	2.2793	2.2924	-0.2756	-0.5041	1.5126
578	36.1	35	0.1851	1.8794	0.2174	2.2819	2.2682	-0.1906	-0.5572	1.5204
579	35.8	35	0.1896	1.8779	0.2151	2.2826	2.2447	-0.1596	-0.5941	1.491
580	34.9	34.8	0.1901	1.8771	0.2154	2.2826	2.2333	-0.1436	-0.6182	1.4716
581	36.1	34.8	0.1893	1.8764	0.2161	2.2818	2.2167	-0.1262	-0.6201	1.4704
582	35.1	34.8	0.1876	1.8761	0.2162	2.2798	2.1901	-0.0798	-0.6215	1.4888
583	35.5	34.7	0.1869	1.874	0.2168	2.2777	2.1683	-0.0376	-0.65	1.4807

584	34.2	34.6	0.1913	1.8732	0.2159	2.2804	2.1589	-0.0325	-0.6434	1.483
585	36.1	34.5	0.1941	1.8726	0.2144	2.2811	2.1621	-0.0551	-0.597	1.5099
586	34.7	34.3	0.1948	1.8706	0.2147	2.2801	2.1734	-0.0412	-0.5966	1.5356
587	33.8	34.2	0.1947	1.8689	0.2149	2.2786	2.1835	-0.0292	-0.5838	1.5704
588	33.7	34.1	0.1976	1.8694	0.2119	2.2789	1.8333	0.2472	-0.4135	1.667
589	33	33.9	0.198	1.8698	0.2104	2.2783	0.4636	0.984	0.2779	1.7255
590	33.5	33.8	0.1993	1.8688	0.2078	2.2758	0.0412	0.5773	0.6524	1.2709
591	33.3	33.7	0.2	1.8679	0.2065	2.2744	0.0381	0.5775	0.6552	1.2708
592	32.8	33.6	0.1996	1.8671	0.2061	2.2728	0.0619	0.5733	0.6534	1.2886
593	33.1	33.5	0.1956	1.8683	0.2047	2.2685	0.0822	0.5658	0.6686	1.3166
594	32.8	33.5	0.1935	1.8672	0.2029	2.2636	0.1116	0.5467	0.6778	1.3361
595	32.5	33.3	0.1896	1.8661	0.2036	2.2594	0.1566	0.557	0.6403	1.3539
596	33.3	33.2	0.1891	1.8621	0.2051	2.2563	0.2197	0.6107	0.5658	1.3961
597	33.5	33.1	0.1885	1.8623	0.2046	2.2554	0.2616	0.594	0.5306	1.3861
598	33	33.1	0.187	1.8614	0.2035	2.2519	0.2648	0.5894	0.504	1.3582
599	32.7	33	0.187	1.8603	0.2024	2.2497	0.2966	0.5967	0.4799	1.3732
600	32.9	33	0.187	1.8604	0.1981	2.2456	0.2853	0.5971	0.495	1.3773
601	34.2	33	0.186	1.8613	0.1957	2.243	0.2857	0.58	0.5202	1.3859
602	34	32.9	0.1847	1.8613	0.1952	2.2412	0.2994	0.5779	0.5368	1.4141
603	33.2	32.9	0.1821	1.861	0.1965	2.2396	0.2984	0.5725	0.57	1.4408
604	33.1	32.9	0.1809	1.8594	0.1986	2.2389	0.3319	0.5498	0.5619	1.4435
605	32.4	32.9	0.1817	1.8592	0.1986	2.2396	0.3681	0.5426	0.5352	1.4459
606	32.8	32.8	0.183	1.8599	0.1962	2.2391	0.353	0.5455	0.5116	1.41
607	32.6	32.8	0.1849	1.8599	0.195	2.2398	0.296	0.5415	0.5609	1.3984
608	31.8	32.7	0.1851	1.8587	0.1947	2.2385	0.3331	0.5502	0.5367	1.42
609	32.4	32.7	0.1851	1.8588	0.1926	2.2366	0.353	0.5359	0.5245	1.4134
610	33.3	32.6	0.1853	1.8585	0.1921	2.2359	0.3379	0.5225	0.5474	1.4078
611	31.4	32.4	0.1858	1.8568	0.1922	2.2348	0.2794	0.5031	0.5521	1.3346
612	32.6	32.2	0.187	1.8563	0.1918	2.2351	0.2222	0.4869	0.5751	1.2842
613	33.3	32.2	0.1861	1.8558	0.1908	2.2327	0.1728	0.4773	0.601	1.2511
614	32.2	32.1	0.1845	1.8549	0.1908	2.2301	0.1602	0.486	0.6131	1.2593
615	32.2	32.1	0.1845	1.8543	0.1903	2.2291	0.1652	0.5034	0.593	1.2615
616	32.6	32	0.1863	1.8544	0.189	2.2296	0.1585	0.5016	0.5899	1.25
617	31.3	32	0.1866	1.8546	0.1885	2.2296	0.1315	0.5049	0.5922	1.2286
618	32.3	32.1	0.1855	1.8543	0.1874	2.2272	0.1042	0.5423	0.5597	1.2061
619	31.1	32	0.1855	1.854	0.1871	2.2266	0.0908	0.6022	0.5255	1.2185
620	30.8	31.8	0.1855	1.8519	0.1868	2.2242	0.0962	0.6142	0.5184	1.2288

621	30	31.8	0.185	1.8516	0.1871	2.2236	0.0702	0.6135	0.5195	1.2032
622	33.2	31.7	0.1847	1.8499	0.188	2.2226	0.0463	0.6239	0.5311	1.2013
623	32.3	31.5	0.1874	1.8489	0.1868	2.2231	0.0031	0.6571	0.494	1.1542
624	31.4	31.4	0.1898	1.8484	0.1857	2.2239	0.0145	0.6636	0.4848	1.163
625	31.9	31.3	0.191	1.8469	0.1861	2.224	0.0159	0.6493	0.4904	1.1556
626	32.2	31.1	0.1915	1.846	0.1855	2.2229	-0.0609	0.6328	0.5652	1.1371
627	32.4	31	0.1922	1.8407	0.1887	2.2216	-0.1788	0.6118	0.7175	1.1504
628	31.3	30.9	0.1922	1.8367	0.1922	2.2212	-0.1128	0.6188	0.6902	1.1962
629	30.3	30.9	0.1925	1.8366	0.1925	2.2216	-0.0323	0.6156	0.6598	1.2431
630	30.9	30.8	0.1926	1.8386	0.1914	2.2226	0.0241	0.5883	0.6574	1.2699
631	30.6	30.8	0.1937	1.837	0.19	2.2207	0.0367	0.5628	0.6854	1.2849
632	29.5	30.6	0.1945	1.835	0.1918	2.2213	0.0631	0.5446	0.6963	1.304
633	30.4	30.5	0.1946	1.8359	0.1909	2.2214	0.0562	0.5324	0.7041	1.2927
634	29.9	30.5	0.1942	1.836	0.1881	2.2183	0.0527	0.5359	0.6977	1.2863
635	29.3	30.4	0.1923	1.8356	0.1875	2.2153	0.0743	0.5243	0.7249	1.3235
636	29.3	30.2	0.1896	1.8353	0.1868	2.2117	0.0982	0.5013	0.7296	1.329
637	30.3	30	0.1878	1.8331	0.1862	2.2072	0.104	0.4812	0.7432	1.3284
638	30.4	29.9	0.1862	1.8304	0.1871	2.2038	0.1031	0.4729	0.754	1.33
639	29.8	29.8	0.1851	1.8291	0.1877	2.2019	0.139	0.4956	0.727	1.3616
640	29.4	29.7	0.1839	1.8304	0.1855	2.1998	0.1446	0.5197	0.7122	1.3765
641	30.4	29.7	0.182	1.832	0.1834	2.1974	0.1579	0.5183	0.709	1.3852
642	30.1	29.6	0.1809	1.833	0.1809	2.1948	0.1691	0.4804	0.7243	1.3739
643	30.4	29.6	0.1803	1.8333	0.1792	2.1928	0.1674	0.46	0.7385	1.3658
644	30.7	29.7	0.1806	1.8326	0.1783	2.1914	0.1344	0.48	0.724	1.3383
645	28.2	29.7	0.1777	1.829	0.1804	2.1871	0.1137	0.49	0.7053	1.309
646	29.2	29.7	0.1779	1.8304	0.1802	2.1886	0.0703	0.4891	0.7258	1.2851
647	29.6	29.7	0.1804	1.8318	0.1785	2.1908	0.0731	0.4643	0.7407	1.278
648	28.4	29.7	0.1817	1.8321	0.178	2.1918	0.097	0.4884	0.7168	1.3023
649	28.9	29.7	0.1825	1.8332	0.1752	2.1908	0.1163	0.4939	0.7044	1.3145
650	29.1	29.7	0.1827	1.8345	0.1727	2.1899	0.1389	0.4961	0.6806	1.3156
651	29.4	29.7	0.1813	1.834	0.1723	2.1876	0.1494	0.5075	0.6383	1.2952
652	30.1	29.6	0.1789	1.8325	0.1723	2.1837	0.1465	0.4999	0.6329	1.2792
653	30.5	29.6	0.177	1.8327	0.1705	2.1801	0.1412	0.5048	0.6381	1.2841
654	29.2	29.6	0.1748	1.8328	0.1699	2.1775	0.1228	0.4987	0.6729	1.2943
655	30.3	29.7	0.1744	1.8318	0.171	2.1773	0.1162	0.4843	0.7065	1.307
656	29.2	29.8	0.1756	1.8319	0.1706	2.178	0.1279	0.4819	0.7175	1.3272
657	31.3	29.8	0.175	1.8304	0.1701	2.1755	0.1418	0.4918	0.7032	1.3368

658	29.4	29.9	0.1752	1.8281	0.1702	2.1735	0.1684	0.5089	0.6917	1.3691
659	29.8	30	0.175	1.8278	0.1702	2.173	0.1874	0.5018	0.695	1.3843
660	29.4	30	0.1777	1.8284	0.1686	2.1746	0.1953	0.5039	0.6789	1.378
661	29.9	30	0.1804	1.8284	0.1672	2.176	0.2056	0.5435	0.6546	1.4037
662	30.3	29.9	0.1823	1.8296	0.1646	2.1765	0.1992	0.5174	0.6805	1.3971
663	30.4	29.8	0.1831	1.829	0.1635	2.1756	0.2103	0.4958	0.6749	1.381
664	30.3	29.8	0.1833	1.8274	0.1646	2.1753	0.1907	0.4838	0.6997	1.3742
665	30.3	29.8	0.1837	1.8275	0.1638	2.175	0.1664	0.4766	0.7365	1.3795
666	29.7	29.8	0.185	1.8272	0.1629	2.175	0.187	0.4687	0.7321	1.3877
667	29.8	29.7	0.1867	1.8262	0.1626	2.1755	0.2258	0.4674	0.7143	1.4074
668	31	29.6	0.1864	1.8238	0.1627	2.1729	0.2325	0.4779	0.7231	1.4335
669	29.5	29.5	0.1853	1.8233	0.1605	2.1691	0.2305	0.4771	0.7204	1.428
670	28.5	29.5	0.1856	1.822	0.1601	2.1677	0.2252	0.4891	0.7055	1.4198
671	28.8	29.4	0.1859	1.8206	0.159	2.1656	0.2075	0.4803	0.6905	1.3783
672	29.8	29.4	0.19	1.8176	0.1588	2.1664	0.1871	0.481	0.7012	1.3693
673	29	29.2	0.1911	1.8174	0.1577	2.1662	0.1662	0.4651	0.7231	1.3544
674	30.2	29.1	0.1912	1.8184	0.1552	2.1648	0.1903	0.4569	0.7269	1.3741
675	29.4	29	0.1917	1.8188	0.1535	2.1641	0.2171	0.4613	0.7244	1.4029
676	28.2	28.9	0.1905	1.8189	0.153	2.1624	0.2364	0.4469	0.7415	1.4249
677	28.2	28.8	0.1896	1.8179	0.1521	2.1597	0.2359	0.4323	0.7338	1.402
678	27.9	28.7	0.1883	1.8178	0.1514	2.1576	0.2138	0.3896	0.7701	1.3736
679	28.9	28.6	0.1872	1.819	0.1493	2.1556	0.206	0.3572	0.8165	1.3797
680	28.2	28.6	0.1865	1.8208	0.1469	2.1541	0.2153	0.369	0.8156	1.4
681	29.7	28.6	0.183	1.822	0.1465	2.1514	0.2239	0.4115	0.7828	1.4182
682	28.3	28.5	0.1819	1.8229	0.1457	2.1505	0.2325	0.4074	0.7621	1.4019
683	28.1	28.5	0.1817	1.8204	0.147	2.1491	0.2121	0.3806	0.8103	1.4031
684	27.2	28.4	0.1839	1.8208	0.1434	2.148	0.1964	0.3844	0.8312	1.412
685	28.9	28.4	0.1843	1.8224	0.1414	2.1482	0.1901	0.3827	0.8183	1.391
686	27.5	28.5	0.1844	1.8225	0.1404	2.1473	0.1849	0.3674	0.8251	1.3774
687	28.2	28.5	0.1844	1.8216	0.1395	2.1456	0.1848	0.3778	0.8173	1.3798
688	29	28.5	0.1837	1.8198	0.1392	2.1428	0.1481	0.3542	0.82	1.3223
689	27.9	28.5	0.1835	1.8179	0.1392	2.1406	0.125	0.335	0.8562	1.3161
690	28.2	28.6	0.1835	1.8169	0.1369	2.1373	0.1207	0.3193	0.866	1.3059
691	29.1	28.6	0.1831	1.8199	0.134	2.137	0.1207	0.3348	0.8478	1.3033
692	28.1	28.6	0.1828	1.8211	0.1323	2.1362	0.0985	0.3501	0.8298	1.2785
693	28.2	28.6	0.1822	1.8203	0.1323	2.1347	0.0953	0.3596	0.804	1.2589
694	29.1	28.6	0.1821	1.8182	0.1324	2.1327	0.0922	0.377	0.7892	1.2584

695	30	28.5	0.1826	1.8172	0.1311	2.1309	0.0967	0.3793	0.7853	1.2613
696	28.2	28.6	0.1818	1.8157	0.131	2.1285	0.0712	0.3488	0.8105	1.2304
697	28.4	28.5	0.1788	1.8135	0.1329	2.1252	0.0642	0.3667	0.8398	1.2707
698	29.8	28.4	0.1754	1.8121	0.1331	2.1205	0.0818	0.3839	0.8382	1.3039
699	28.9	28.4	0.1731	1.8107	0.1343	2.1182	0.0958	0.3893	0.8388	1.324
700	29.7	28.4	0.1721	1.8097	0.1343	2.116	0.1022	0.3991	0.8279	1.3291
701	29.2	28.3	0.1713	1.8113	0.1324	2.1151	0.111	0.4175	0.7921	1.3206
702	27.2	28.4	0.1706	1.8108	0.1314	2.1128	0.0916	0.4061	0.7937	1.2915
703	27.4	28.4	0.1698	1.8111	0.1292	2.1101	0.0666	0.3852	0.821	1.2728
704	28.1	28.4	0.1693	1.8109	0.1279	2.1082	0.061	0.385	0.8052	1.2512
705	28.6	28.4	0.1689	1.811	0.1269	2.1068	0.0419	0.3825	0.8128	1.2372
706	26.9	28.4	0.1688	1.8107	0.1259	2.1054	0.0341	0.3768	0.8465	1.2574
707	27.2	28.4	0.168	1.809	0.1258	2.1028	0.0991	0.3755	0.838	1.3126
708	27.2	28.3	0.1664	1.8085	0.1252	2.1	0.1381	0.3656	0.833	1.3367
709	27.7	28.3	0.1656	1.8084	0.1248	2.0988	0.165	0.354	0.8319	1.3509
710	27.6	28.2	0.1648	1.8041	0.1266	2.0955	0.1738	0.3753	0.8251	1.3742
711	30.6	28.2	0.1659	1.8051	0.1241	2.0951	0.2136	0.4587	0.769	1.4414
712	28.1	28.2	0.166	1.8068	0.1243	2.097	0.2651	0.4929	0.703	1.4611
713	29.5	28.3	0.1671	1.8074	0.1208	2.0953	0.2749	0.5061	0.6925	1.4735
714	28.4	28.4	0.1678	1.8072	0.1171	2.0922	0.271	0.4835	0.7166	1.4711
715	28.7	28.3	0.1658	1.8074	0.1171	2.0904	0.2685	0.4616	0.7475	1.4776
716	28.1	28.3	0.1637	1.8077	0.1175	2.0889	0.2663	0.4444	0.7795	1.4903
717	28.5	28.3	0.1633	1.8068	0.1162	2.0863	0.2751	0.4408	0.7962	1.5122
718	28.6	28.4	0.1625	1.8066	0.1154	2.0844	0.2907	0.4429	0.7808	1.5144
719	28.8	28.4	0.163	1.8051	0.1166	2.0846	0.2753	0.4405	0.7644	1.4802
720	28.6	28.4	0.1648	1.8039	0.1178	2.0864	0.2429	0.4457	0.7446	1.4331
721	28.2	28.2	0.1662	1.8035	0.117	2.0867	0.2435	0.4448	0.7443	1.4327
722	28.8	28.2	0.1681	1.8034	0.1156	2.0871	0.2602	0.4316	0.749	1.4408
723	28.7	28.1	0.1684	1.8032	0.1141	2.0857	0.3039	0.4263	0.7464	1.4766
724	27.6	28	0.1681	1.8023	0.1132	2.0836	0.3111	0.45	0.7364	1.4975
725	27.4	27.9	0.1674	1.8022	0.1119	2.0815	0.3106	0.4731	0.7179	1.5015
726	27.5	27.8	0.1679	1.8027	0.1121	2.0827	0.2963	0.4869	0.7218	1.5049
727	28.3	27.7	0.1708	1.8018	0.1117	2.0843	0.2651	0.4941	0.7178	1.4769
728	27.1	27.6	0.1717	1.801	0.1106	2.0832	0.2586	0.489	0.7117	1.4593
729	27.7	27.5	0.171	1.7996	0.111	2.0816	0.2562	0.476	0.724	1.4562
730	28.2	27.5	0.1702	1.7975	0.1131	2.0808	0.2587	0.4783	0.717	1.454
731	27.1	27.4	0.1704	1.7963	0.1138	2.0805	0.2651	0.4853	0.7064	1.4569

732	26.9	27.3	0.1733	1.797	0.1107	2.081	0.2505	0.494	0.7048	1.4494
733	27.3	27.2	0.1749	1.7975	0.1077	2.0802	0.2451	0.5111	0.7038	1.46
734	26.1	27.1	0.1752	1.7977	0.1063	2.0792	0.258	0.4915	0.7291	1.4787
735	26.8	27	0.1738	1.7988	0.105	2.0776	0.2933	0.4906	0.7002	1.4841
736	26	27	0.1711	1.7975	0.1051	2.0737	0.3059	0.5152	0.6795	1.5006
737	27.1	26.9	0.173	1.7977	0.1042	2.0749	0.3095	0.5155	0.6825	1.5075
738	27	26.8	0.1737	1.797	0.1015	2.0721	0.3157	0.5043	0.687	1.507
739	28.4	26.8	0.173	1.7972	0.1011	2.0713	0.3072	0.4857	0.7018	1.4947
740	27.4	26.6	0.1719	1.7969	0.1007	2.0695	0.3106	0.4649	0.7027	1.4782
741	26.4	26.6	0.1722	1.797	0.1004	2.0696	0.3059	0.4551	0.6824	1.4434
742	26	26.6	0.1714	1.7971	0.1005	2.0689	0.2982	0.4815	0.673	1.4528
743	25.5	26.5	0.1711	1.7956	0.1003	2.0669	0.2964	0.4906	0.6691	1.4561
744	26	26.5	0.1709	1.7946	0.0997	2.0653	0.288	0.4852	0.6772	1.4504
745	27.2	26.4	0.1706	1.7941	0.0994	2.0641	0.2859	0.4623	0.6857	1.4338
746	27	26.4	0.1715	1.7938	0.0963	2.0615	0.2997	0.4595	0.6656	1.4247
747	26.1	26.4	0.1722	1.7934	0.0947	2.0604	0.3	0.4547	0.664	1.4186
748	26.1	26.4	0.1721	1.7932	0.0941	2.0594	0.2704	0.4386	0.6999	1.4088
749	24.6	26.4	0.1723	1.7933	0.0924	2.0579	0.2445	0.4366	0.7088	1.3899
750	26.8	26.4	0.1716	1.7928	0.0935	2.0578	0.2158	0.4422	0.7147	1.3727
751	26.8	26.4	0.1721	1.7934	0.0929	2.0584	0.1917	0.4296	0.7255	1.3468
752	26.1	26.4	0.1723	1.794	0.0902	2.0564	0.1818	0.4359	0.7107	1.3283
753	26.1	26.5	0.1709	1.7942	0.0899	2.0549	0.1685	0.4067	0.7344	1.3096
754	25.8	26.5	0.1706	1.7945	0.0886	2.0538	0.176	0.4168	0.7183	1.3111
755	26	26.4	0.171	1.7942	0.0864	2.0516	0.1833	0.4516	0.6882	1.3231
756	27.1	26.4	0.1657	1.7943	0.0868	2.0468	0.211	0.5126	0.6035	1.3272
757	27	26.4	0.1612	1.7939	0.0868	2.0419	0.2283	0.5216	0.5526	1.3025
758	27	26.4	0.1587	1.7927	0.087	2.0384	0.2041	0.5219	0.5592	1.2852
759	27.8	26.5	0.1577	1.7903	0.0877	2.0356	0.1617	0.5242	0.5695	1.2554
760	27.3	26.5	0.1563	1.7825	0.0916	2.0305	0.1404	0.5393	0.5705	1.2503
761	26.1	26.5	0.1538	1.7791	0.0969	2.0299	0.1173	0.5129	0.5912	1.2214
762	25.9	26.5	0.1548	1.779	0.0954	2.0291	0.132	0.522	0.567	1.221
763	26.1	26.5	0.156	1.7806	0.0919	2.0285	0.1325	0.5541	0.5762	1.2628
764	26.1	26.6	0.1565	1.7812	0.0898	2.0275	0.1387	0.5566	0.5619	1.2572
765	26.5	26.6	0.157	1.7831	0.0858	2.026	0.1422	0.5744	0.5191	1.2356
766	26.8	26.6	0.1575	1.7831	0.0833	2.0238	0.1265	0.6158	0.4978	1.2401
767	26.6	26.6	0.1576	1.7819	0.0845	2.024	0.1026	0.6441	0.4908	1.2376
768	26.1	26.7	0.1589	1.7797	0.0863	2.0249	0.1099	0.6493	0.4829	1.2421

769	26.2	26.7	0.161	1.7787	0.0861	2.0258	0.1122	0.6475	0.4955	1.2551
770	26.8	26.7	0.1612	1.7775	0.0857	2.0245	0.1274	0.6148	0.5393	1.2816
771	26.6	26.8	0.1599	1.7775	0.0841	2.0215	0.1566	0.5932	0.5765	1.3263
772	25.7	26.9	0.1596	1.775	0.0842	2.0188	0.1852	0.5887	0.5753	1.3491
773	27.9	27	0.16	1.7724	0.0841	2.0165	0.2166	0.5898	0.5733	1.3797
774	26	27.1	0.1601	1.7711	0.0834	2.0147	0.22	0.5911	0.5676	1.3786
775	27	27.1	0.1621	1.7701	0.0814	2.0136	0.227	0.5739	0.5677	1.3685
776	27.6	27.1	0.164	1.7695	0.0813	2.0147	0.2273	0.5728	0.563	1.363
777	28.4	27.2	0.1638	1.769	0.0809	2.0137	0.2355	0.5858	0.5718	1.393
778	28.5	27.2	0.1627	1.7702	0.079	2.0119	0.2635	0.5851	0.5777	1.4263
779	27.3	27.2	0.1614	1.7712	0.0776	2.0102	0.2594	0.5863	0.5852	1.431
780	27	27.2	0.1599	1.7722	0.0762	2.0084	0.2454	0.5829	0.6052	1.4334
781	27.8	27.1	0.1579	1.7726	0.076	2.0065	0.2384	0.5683	0.6307	1.4374
782	27.8	27.2	0.1574	1.7717	0.0754	2.0045	0.2416	0.5514	0.655	1.4479
783	28	27.1	0.1559	1.7713	0.0741	2.0012	0.2746	0.5775	0.623	1.4751
784	27.7	27.1	0.1545	1.7717	0.0734	1.9996	0.2982	0.5907	0.5854	1.4744
785	26.7	27.1	0.1537	1.7709	0.0735	1.9981	0.3045	0.5971	0.5717	1.4733
786	27.8	27.2	0.1535	1.7709	0.0721	1.9965	0.2969	0.5683	0.5949	1.4601
787	25.4	27.1	0.1529	1.7712	0.0708	1.9949	0.2824	0.5491	0.6161	1.4476
788	26.3	27.1	0.153	1.7712	0.069	1.9933	0.3223	0.5409	0.6238	1.4869
789	26.7	27.1	0.1525	1.7714	0.0689	1.9928	0.3402	0.5484	0.6027	1.4913
790	25.7	27.1	0.1529	1.7714	0.0687	1.993	0.338	0.5491	0.6095	1.4967
791	26.9	27.1	0.1532	1.7717	0.0667	1.9917	0.3263	0.5611	0.5936	1.4809
792	26.5	27.1	0.1532	1.7721	0.0654	1.9906	0.3271	0.5799	0.5741	1.4811
793	26.2	27.1	0.1534	1.7718	0.0646	1.9897	0.312	0.5918	0.5724	1.4762
794	27.5	27.1	0.1535	1.7719	0.0638	1.9893	0.2898	0.5956	0.5627	1.4481
795	28	27.1	0.1526	1.7713	0.0645	1.9884	0.2688	0.6043	0.5543	1.4274
796	27.4	27.1	0.1518	1.7702	0.0646	1.9866	0.2572	0.6036	0.5528	1.4136
797	27.9	27.3	0.1518	1.7696	0.0629	1.9843	0.2564	0.6012	0.5252	1.3828
798	27.3	27.3	0.1509	1.7684	0.0622	1.9815	0.2394	0.6038	0.5219	1.3652
799	26.6	27.3	0.1515	1.7665	0.0629	1.9809	0.2281	0.6158	0.5248	1.3688
800	27.8	27.3	0.1529	1.7667	0.0617	1.9814	0.2155	0.6256	0.5096	1.3506
801	27.9	27.5	0.1532	1.7677	0.0614	1.9822	0.1925	0.6189	0.5375	1.349
802	28.3	27.5	0.1537	1.7701	0.058	1.9819	0.1959	0.6205	0.552	1.3685
803	27.7	27.6	0.1522	1.7694	0.0573	1.979	0.1952	0.6309	0.528	1.3542
804	27.4	27.6	0.151	1.7658	0.0591	1.9759	0.1898	0.6274	0.5382	1.3554
805	27.7	27.5	0.1478	1.7598	0.0665	1.9741	0.1968	0.6317	0.5394	1.3679

806	27.9	27.5	0.1459	1.7586	0.0706	1.9752	0.1998	0.6253	0.5382	1.3633
807	27.3	27.4	0.1476	1.7568	0.0699	1.9743	0.1511	0.6217	0.5606	1.3333
808	26.7	27.4	0.1502	1.7561	0.0682	1.9745	0.1091	0.6115	0.5854	1.306
809	26.3	27.5	0.1515	1.7545	0.0677	1.9737	0.0848	0.5968	0.5998	1.2814
810	29.2	27.5	0.153	1.7529	0.0675	1.9734	0.0836	0.5825	0.6108	1.2768
811	27.7	27.5	0.1527	1.7529	0.0674	1.973	0.0695	0.5114	0.6595	1.2404
812	28.1	27.6	0.1527	1.7513	0.0667	1.9707	0.0376	0.4846	0.7173	1.2395
813	26.3	27.6	0.1532	1.7517	0.0646	1.9695	0.0421	0.5026	0.6943	1.2389
814	26.8	27.6	0.1536	1.7498	0.0652	1.9686	0.0622	0.5187	0.665	1.2459
815	26.7	27.6	0.1532	1.7459	0.0673	1.9663	0.0675	0.5245	0.6497	1.2417
816	26.8	27.6	0.1534	1.7433	0.0685	1.9651	0.0718	0.5329	0.6232	1.2278
817	27.9	27.6	0.1523	1.7419	0.0679	1.9621	0.0721	0.5388	0.5944	1.2053
818	27.6	27.6	0.1512	1.7418	0.0659	1.9589	0.0678	0.5339	0.6189	1.2206
819	27.7	27.6	0.1502	1.7436	0.0626	1.9565	0.0806	0.5137	0.6524	1.2467
820	29.1	27.5	0.1491	1.7446	0.0601	1.9538	0.1057	0.5058	0.6534	1.2648
821	29	27.4	0.1477	1.7446	0.0594	1.9518	0.1111	0.4982	0.6599	1.2692
822	27.4	27.4	0.1464	1.7444	0.0583	1.9492	0.1103	0.5076	0.6496	1.2675
823	29.1	27.4	0.1464	1.7441	0.0573	1.9478	0.1211	0.4827	0.6578	1.2616
824	27.3	27.4	0.1454	1.7449	0.0565	1.9467	0.1191	0.463	0.6697	1.2518
825	26.8	27.4	0.1447	1.7449	0.0556	1.9452	0.1143	0.449	0.6726	1.2359
826	27.4	27.3	0.1444	1.7441	0.0549	1.9434	0.1332	0.4434	0.664	1.2407
827	27.5	27.3	0.1444	1.7433	0.0539	1.9416	0.1416	0.4368	0.6684	1.2469
828	26.7	27.2	0.1457	1.7423	0.0521	1.9401	0.139	0.435	0.6778	1.2518
829	26.1	27.2	0.1465	1.7414	0.0504	1.9383	0.1339	0.4466	0.6716	1.2521
830	26.5	27.1	0.1464	1.7407	0.05	1.9371	0.1185	0.4732	0.6623	1.254
831	27.1	26.9	0.1463	1.7412	0.0483	1.9358	0.1051	0.4984	0.6524	1.2559
832	26.6	26.9	0.1458	1.7392	0.0484	1.9335	0.0901	0.5124	0.6448	1.2473
833	27	26.6	0.1451	1.7384	0.0492	1.9327	0.0884	0.5046	0.6469	1.24
834	26.8	26.5	0.1447	1.738	0.0491	1.9319	0.0771	0.4994	0.6483	1.2248
835	25.8	26.5	0.1441	1.742	0.0455	1.9316	0.061	0.5117	0.6385	1.2112
836	26.3	26.4	0.1429	1.7426	0.0435	1.9289	0.0498	0.5105	0.6375	1.1978
837	26.5	26.4	0.1407	1.7436	0.0419	1.9262	0.0534	0.5166	0.6233	1.1933
838	27.9	26.4	0.1397	1.7421	0.0412	1.923	0.0521	0.5293	0.6143	1.1957
839	26.1	26.4	0.1392	1.7423	0.0401	1.9216	0.0409	0.53	0.6248	1.1957
840	26.6	26.4	0.1392	1.7408	0.0414	1.9214	0.0266	0.528	0.6482	1.2028
841	25.9	26.4	0.1395	1.739	0.043	1.9214	0.0221	0.5184	0.6711	1.2116
842	24.9	26.5	0.1402	1.7379	0.0433	1.9213	0.0486	0.5276	0.6484	1.2247

843	25	26.5	0.1421	1.736	0.044	1.9221	0.0666	0.5347	0.6354	1.2367
844	26.1	26.5	0.144	1.7342	0.0443	1.9225	0.0577	0.5377	0.633	1.2285
845	26.6	26.5	0.1449	1.7338	0.0441	1.9227	0.0609	0.5893	0.5731	1.2234
846	26.5	26.5	0.1458	1.7336	0.0437	1.9232	0.0754	0.7105	0.4489	1.2349
847	26.7	26.5	0.1483	1.733	0.0425	1.9239	0.0872	0.6818	0.4847	1.2537
848	27	26.4	0.1493	1.7316	0.0416	1.9225	0.113	0.6743	0.4691	1.2564
849	25.5	26.5	0.1507	1.7307	0.0414	1.9228	0.1074	0.672	0.4623	1.2416
850	27.5	26.5	0.1523	1.7309	0.0397	1.9229	0.1227	0.6752	0.4558	1.2536
851	28.2	26.6	0.1525	1.7313	0.0377	1.9216	0.1357	0.6854	0.4433	1.2643
852	26.8	26.8	0.1528	1.7309	0.0374	1.921	0.1349	0.7032	0.4522	1.2903
853	27.5	26.8	0.1519	1.7314	0.0361	1.9194	0.1449	0.7319	0.4191	1.2959
854	26.8	26.8	0.151	1.7314	0.0346	1.917	0.1247	0.7311	0.4163	1.2721
855	25.9	26.8	0.1511	1.7316	0.0326	1.9153	0.0925	0.7079	0.4534	1.2538
856	25.7	26.8	0.1506	1.7322	0.0307	1.9134	0.0511	0.6516	0.5353	1.238
857	26.4	26.8	0.1503	1.7327	0.0283	1.9113	0.0485	0.6455	0.5783	1.2723
858	27.2	26.7	0.1502	1.733	0.027	1.9102	0.077	0.6276	0.5855	1.2901
859	26.2	26.7	0.1493	1.732	0.0266	1.9079	0.1017	0.6162	0.5911	1.309
860	29.1	26.6	0.1494	1.7314	0.0257	1.9064	0.1129	0.6074	0.5919	1.3122
861	27.7	26.5	0.1501	1.7306	0.0252	1.9059	0.125	0.5993	0.595	1.3193
862	25.9	26.5	0.1506	1.7287	0.026	1.9052	0.1174	0.6054	0.6006	1.3235
863	26.2	26.4	0.1498	1.7288	0.0254	1.9039	0.1078	0.6021	0.6023	1.3123
864	26.8	26.4	0.1497	1.7288	0.0249	1.9033	0.1111	0.6771	0.5284	1.3165
865	26.4	26.4	0.1499	1.7298	0.0235	1.9032	0.1319	0.6778	0.503	1.3127
866	25.2	26.5	0.1503	1.7292	0.0238	1.9033	0.1344	0.6432	0.5329	1.3105
867	25.2	26.4	0.1508	1.7285	0.0226	1.9019	0.1322	0.5951	0.5909	1.3182
868	26.2	26.4	0.1508	1.7283	0.0211	1.9002	0.1193	0.5788	0.612	1.3102
869	26.3	26.4	0.1505	1.7282	0.0208	1.8994	0.1098	0.5781	0.5996	1.2875
870	25.9	26.3	0.1501	1.7277	0.0197	1.8975	0.1045	0.5941	0.5761	1.2747
871	26.4	26.1	0.1489	1.7267	0.0191	1.8947	0.1027	0.5982	0.5614	1.2622
872	25.8	26.2	0.1475	1.7267	0.0184	1.8926	0.0833	0.5988	0.5789	1.261
873	26.2	26.2	0.1481	1.7261	0.0171	1.8913	0.065	0.5994	0.5812	1.2455
874	26.6	26.2	0.1487	1.7262	0.0162	1.8911	0.062	0.6081	0.574	1.2442
875	27.5	26.3	0.1488	1.7258	0.015	1.8895	0.0556	0.6208	0.57	1.2464
876	25.1	26.4	0.1498	1.7258	0.0144	1.8901	0.0607	0.6188	0.5709	1.2503
877	27	26.6	0.1499	1.7255	0.0132	1.8886	0.0793	0.6192	0.5656	1.2641
878	26.9	26.6	0.1493	1.7256	0.0119	1.8867	0.089	0.6237	0.5575	1.2702
879	25.8	26.7	0.1495	1.7239	0.0114	1.8848	0.1148	0.6225	0.5398	1.2771

880	25.4	26.6	0.1494	1.7224	0.011	1.8828	0.1347	0.6071	0.5327	1.2745
881	26.3	26.6	0.1489	1.7213	0.0115	1.8818	0.1389	0.5986	0.536	1.2735
882	27.3	26.7	0.1486	1.7213	0.0107	1.8805	0.133	0.6228	0.5329	1.2886
883	26.8	26.7	0.1481	1.7213	0.0093	1.8787	0.1347	0.6064	0.5274	1.2685
884	27.8	26.7	0.1484	1.7206	0.0095	1.8785	0.1387	0.598	0.5348	1.2714
885	28	26.6	0.1487	1.7199	0.0098	1.8783	0.1386	0.5893	0.5497	1.2775
886	28	26.7	0.1481	1.7193	0.0098	1.8772	0.1431	0.6327	0.502	1.2778
887	27.2	26.6	0.1476	1.7183	0.0094	1.8753	0.1431	0.6547	0.4751	1.2729
888	26.5	26.5	0.1489	1.7182	0.0065	1.8737	0.133	0.6808	0.4601	1.2739
889	25.9	26.5	0.1498	1.7186	0.0041	1.8725	0.1315	0.6893	0.4501	1.271
890	25.5	26.5	0.1507	1.7196	0.0015	1.8718	0.1164	0.6993	0.4585	1.2742
891	27.4	26.5	0.1484	1.719	0.0019	1.8693	0.0992	0.6899	0.4941	1.2832
892	26.5	26.5	0.1465	1.7186	0.0018	1.867	0.1015	0.6815	0.5248	1.3078
893	26	26.5	0.1476	1.718	0.0013	1.8668	0.1249	0.6768	0.5127	1.3145
894	26	26.5	0.1474	1.713	0.0065	1.8669	0.1477	0.6583	0.5375	1.3435
895	26.3	26.5	0.1451	1.7002	0.0196	1.8649	0.1632	0.6361	0.5659	1.3652
896	25.8	26.4	0.1431	1.702	0.0161	1.8612	0.1746	0.6439	0.5816	1.4001
897	24.7	26.4	0.1405	1.7022	0.016	1.8587	0.1835	0.6587	0.5784	1.4206
898	25.3	26.4	0.1402	1.7012	0.016	1.8573	0.2048	0.6566	0.5765	1.4379
899	26.4	26.4	0.1393	1.699	0.0173	1.8555	0.2273	0.648	0.5633	1.4386
900	26	26.4	0.1393	1.6982	0.0174	1.8549	0.2534	0.6461	0.5634	1.4628
901	26.6	26.3	0.1397	1.6974	0.0162	1.8532	0.2779	0.6569	0.5492	1.484
902	28.1	26.3	0.1393	1.6969	0.0161	1.8523	0.2654	0.688	0.5347	1.4882
903	27.4	26.3	0.1398	1.6963	0.0157	1.8518	0.2563	0.732	0.5173	1.5057
904	27.9	26.3	0.1417	1.695	0.0138	1.8505	0.2481	0.7752	0.4851	1.5083
905	26.1	26.3	0.1427	1.6946	0.013	1.8503	0.2358	0.7726	0.4862	1.4947
906	27.3	26.3	0.1411	1.694	0.0128	1.8479	0.2339	0.7687	0.4902	1.4928
907	26.6	26.4	0.1399	1.6941	0.0113	1.8453	0.234	0.7789	0.477	1.4899
908	25.6	26.5	0.14	1.6945	0.0091	1.8436	0.23	0.788	0.4546	1.4726
909	25.3	26.5	0.1403	1.6937	0.0085	1.8425	0.2165	0.7824	0.4612	1.4601
910	26	26.6	0.1405	1.6929	0.008	1.8415	0.1997	0.731	0.5032	1.4339
911	26.6	26.5	0.141	1.6924	0.0073	1.8407	0.2065	0.7092	0.5113	1.427
912	26.7	26.4	0.1419	1.6911	0.0064	1.8395	0.2047	0.6875	0.5305	1.4228
913	25.4	26.2	0.1421	1.684	0.0118	1.8379	0.2014	0.6606	0.5647	1.4267
914	25.4	26.1	0.1404	1.682	0.0149	1.8373	0.1975	0.6637	0.5675	1.4288
915	26.6	26	0.1397	1.6815	0.014	1.8353	0.1983	0.6677	0.567	1.4331
916	26.6	25.8	0.1402	1.6838	0.0094	1.8333	0.2092	0.6893	0.5515	1.4499

917	27.5	25.7	0.1404	1.684	0.0067	1.8311	0.2266	0.7003	0.5421	1.469
918	26.1	25.6	0.1403	1.684	0.0059	1.8302	0.2337	0.6861	0.5407	1.4605
919	27	25.6	0.1398	1.6842	0.005	1.829	0.2301	0.676	0.5528	1.4589
920	25.6	25.5	0.1388	1.6848	0.004	1.8276	0.2287	0.6792	0.5573	1.4652
921	25.5	25.4	0.1394	1.6847	0.0015	1.8257	0.2298	0.6772	0.553	1.46
922	24.7	25.4	0.1399	1.6845	0.0002	1.8246	0.2237	0.686	0.5283	1.438
923	24.4	25.4	0.1402	1.6833	-0.0001	1.8234	0.1843	0.6976	0.5492	1.4312
924	24.7	25.5	0.1398	1.6828	-0.0005	1.8221	0.1629	0.7171	0.5479	1.4278
925	24.4	25.5	0.1386	1.683	-0.0015	1.8202	0.1665	0.7489	0.5271	1.4425
926	24.4	25.5	0.1364	1.6822	-0.0017	1.817	0.1557	0.7493	0.5254	1.4305
927	23.9	25.5	0.1355	1.6809	-0.0018	1.8146	0.1674	0.7628	0.5105	1.4408
928	24.6	25.6	0.1342	1.6801	-0.0019	1.8124	0.1639	0.7868	0.4849	1.4357
929	24.3	25.5	0.133	1.6806	-0.0028	1.8108	0.146	0.8024	0.4803	1.4286
930	24.4	25.6	0.1325	1.6808	-0.0036	1.8097	0.1377	0.8052	0.4815	1.4245
931	26.8	25.6	0.133	1.6789	-0.005	1.8069	0.1415	0.8202	0.456	1.4177
932	26.5	25.7	0.1323	1.6786	-0.0043	1.8066	0.137	0.8234	0.451	1.4114
933	26.4	25.8	0.1313	1.6786	-0.0043	1.8056	0.1327	0.8531	0.4327	1.4186
934	25.6	25.9	0.1309	1.6791	-0.0058	1.8041	0.1359	0.8754	0.3883	1.3996
935	27.5	26	0.1298	1.6787	-0.0047	1.8038	0.1348	0.876	0.3852	1.396
936	27.7	26	0.1286	1.6771	-0.004	1.8017	0.1332	0.8746	0.4015	1.4094
937	27.5	26.1	0.1275	1.6756	-0.0042	1.7989	0.124	0.8569	0.4372	1.4181
938	26.1	26.1	0.1265	1.6732	-0.0038	1.7959	0.1165	0.8306	0.4605	1.4076
939	27.1	26.3	0.1276	1.6723	-0.0057	1.7942	0.1361	0.8103	0.467	1.4133
940	25.9	26.3	0.1293	1.6718	-0.008	1.7931	0.1472	0.8158	0.4575	1.4205
941	26.7	26.2	0.1293	1.6709	-0.0095	1.7907	0.1643	0.8234	0.4455	1.4332
942	26.1	26.2	0.1277	1.6702	-0.008	1.7898	0.147	0.8159	0.4499	1.4128
943	27.1	26.2	0.1273	1.6702	-0.0097	1.7878	0.1312	0.821	0.4462	1.3983
944	25	26.1	0.1277	1.6706	-0.0123	1.786	0.1366	0.8208	0.4522	1.4096
945	24.7	26.1	0.1274	1.6694	-0.0141	1.7827	0.1226	0.765	0.5261	1.4137
946	26.1	25.9	0.1275	1.6678	-0.0141	1.7812	0.0894	0.6308	0.675	1.3952
947	25.3	25.9	0.1278	1.6674	-0.0151	1.7801	0.0627	0.6531	0.6543	1.3701
948	26.3	25.9	0.1266	1.6668	-0.0147	1.7787	0.0432	0.6569	0.6648	1.3649
949	25.3	25.8	0.1254	1.6661	-0.0149	1.7765	0.0475	0.648	0.6589	1.3545
950	25.4	25.8	0.1245	1.6652	-0.0152	1.7745	0.0255	0.6309	0.6978	1.3542
951	25.6	25.7	0.126	1.6625	-0.0158	1.7727	0.0181	0.6563	0.6954	1.3697
952	26.2	25.6	0.1271	1.6577	-0.0144	1.7704	0.0182	0.6622	0.6693	1.3497
953	24.9	25.5	0.1271	1.6539	-0.0124	1.7686	0.0199	0.6782	0.6572	1.3553

954	26.1	25.5	0.1274	1.6541	-0.014	1.7675	0.0568	0.6916	0.6271	1.3755
955	25	25.6	0.1277	1.6547	-0.0164	1.766	0.0951	0.6889	0.5863	1.3702
956	26.5	25.6	0.1272	1.6543	-0.017	1.7644	0.102	0.698	0.5761	1.3762
957	26.5	25.5	0.1273	1.6539	-0.0172	1.764	0.0859	0.6963	0.5748	1.357
958	25	25.4	0.1285	1.6548	-0.0191	1.7642	0.0771	0.6904	0.5708	1.3384
959	25.9	25.4	0.1293	1.6589	-0.0237	1.7645	0.083	0.6714	0.5837	1.3382
960	24.8	25.4	0.1287	1.6604	-0.0254	1.7637	0.1107	0.6456	0.6061	1.3624
961	24.9	25.3	0.1296	1.6619	-0.0278	1.7636	0.1388	0.6367	0.6245	1.4
962	25.3	25.4	0.1304	1.6626	-0.0305	1.7626	0.1602	0.6325	0.6304	1.4232
963	25.8	25.4	0.13	1.6624	-0.0314	1.7611	0.1704	0.6557	0.6164	1.4425
964	25.3	25.4	0.1299	1.662	-0.0318	1.76	0.1556	0.5899	0.6747	1.4202
965	25.6	25.4	0.1289	1.6609	-0.0316	1.7582	0.1138	0.5684	0.7208	1.4029
966	24.4	25.3	0.1276	1.6592	-0.0304	1.7564	0.0961	0.5714	0.7128	1.3802
967	23.8	25.3	0.1274	1.6599	-0.0314	1.7559	0.0903	0.6139	0.6591	1.3632
968	25.2	25.2	0.1278	1.6607	-0.0342	1.7544	0.0862	0.6311	0.6298	1.3471
969	25.3	25.2	0.1276	1.6602	-0.035	1.7528	0.0812	0.6288	0.635	1.345
970	24.6	25.2	0.1271	1.66	-0.0356	1.7515	0.0684	0.6252	0.6418	1.3354
971	27.1	25.2	0.1265	1.6581	-0.0337	1.7509	0.0649	0.6253	0.6425	1.3328
972	25.4	25.2	0.1291	1.657	-0.0365	1.7495	0.0893	0.6083	0.6427	1.3403
973	26.5	25.1	0.1318	1.6544	-0.0377	1.7485	0.1061	0.5937	0.6495	1.3493
974	25.6	25.1	0.1321	1.6513	-0.0365	1.7468	0.1438	0.6018	0.645	1.3905
975	24.6	25	0.1332	1.6509	-0.0376	1.7465	0.1762	0.6177	0.6086	1.4025
976	25	25.1	0.1331	1.6495	-0.0366	1.746	0.1589	0.6754	0.5963	1.4306
977	24.3	25.2	0.1335	1.6468	-0.0353	1.745	0.1282	0.6854	0.5714	1.385
978	25.2	25.3	0.1347	1.6453	-0.0362	1.7439	0.119	0.6927	0.5518	1.3635
979	25.1	25.3	0.1357	1.6433	-0.0368	1.7423	0.1095	0.7115	0.5386	1.3596
980	24.8	25.4	0.1353	1.6404	-0.0346	1.7411	0.097	0.7341	0.5249	1.356
981	24.8	25.4	0.1352	1.639	-0.0336	1.7406	0.0904	0.756	0.508	1.3544
982	24.1	25.4	0.1353	1.636	-0.0326	1.7387	0.1015	0.7375	0.4969	1.3359
983	25	25.3	0.1346	1.6338	-0.0296	1.7388	0.1063	0.7382	0.5118	1.3562
984	24.7	25.3	0.1349	1.633	-0.029	1.7389	0.0986	0.7544	0.513	1.366
985	26.1	25.4	0.1354	1.6324	-0.0304	1.7374	0.096	0.7607	0.5201	1.3768
986	25.5	25.4	0.1357	1.6336	-0.0339	1.7354	0.0861	0.7471	0.5528	1.386
987	26.2	25.4	0.136	1.6352	-0.0367	1.7345	0.0823	0.7448	0.5645	1.3916
988	25.7	25.4	0.1353	1.6372	-0.0401	1.7324	0.0796	0.7326	0.5609	1.3731
989	27.3	25.4	0.1351	1.637	-0.0416	1.7305	0.0711	0.689	0.5728	1.3329
990	26.9	25.4	0.1343	1.6372	-0.043	1.7285	0.0859	0.6575	0.5946	1.3381

991	25.7	25.5	0.1337	1.6374	-0.0431	1.728	0.1045	0.6646	0.5665	1.3357
992	24.4	25.6	0.1334	1.6365	-0.0428	1.7271	0.1071	0.6577	0.5687	1.3336
993	25.1	25.7	0.1339	1.6359	-0.044	1.7259	0.0784	0.6431	0.6275	1.3489
994	26.2	25.7	0.1351	1.6365	-0.0461	1.7256	0.0748	0.6393	0.6345	1.3486
995	25.2	25.7	0.1361	1.6372	-0.0479	1.7254	0.0921	0.6547	0.6053	1.3521
996	25.2	25.7	0.1368	1.6367	-0.0493	1.7242	0.0745	0.6537	0.5866	1.3148
997	24.2	25.6	0.1362	1.6365	-0.0505	1.7222	0.0685	0.6412	0.5929	1.3026
998	25.6	25.6	0.1354	1.6364	-0.0499	1.7219	0.0728	0.6401	0.6053	1.3182
999	24.7	25.4	0.1367	1.6359	-0.0525	1.7201	0.0668	0.642	0.6126	1.3214
1000	26.9	25.4	0.1375	1.6326	-0.0522	1.718	0.0576	0.6501	0.5969	1.3046
1001	26	25.3	0.1378	1.6312	-0.0508	1.7182	0.0484	0.6706	0.5661	1.2852
1002	26.3	25.3	0.1373	1.6291	-0.0496	1.7167	0.0689	0.6503	0.5617	1.2808
1003	25.3	25.3	0.1341	1.6272	-0.047	1.7143	0.0898	0.617	0.5725	1.2794
1004	25.7	25.3	0.1322	1.6261	-0.0449	1.7135	0.1029	0.5871	0.5907	1.2807
1005	25.4	25.3	0.1325	1.6248	-0.0446	1.7127	0.1187	0.5603	0.5977	1.2767
1006	25.1	25.3	0.1325	1.6244	-0.0447	1.7122	0.1578	0.5605	0.596	1.3143
1007	24.7	25.4	0.1322	1.625	-0.0458	1.7115	0.1631	0.5649	0.5975	1.3256
1008	24.9	25.5	0.1317	1.6273	-0.0493	1.7098	0.1571	0.58	0.6055	1.3426
1009	25.7	25.6	0.1292	1.6292	-0.0521	1.7063	0.1509	0.6049	0.6055	1.3613
1010	24.3	25.6	0.1267	1.6293	-0.0544	1.7015	0.18	0.6538	0.5552	1.389
1011	24.8	25.6	0.1249	1.6291	-0.0557	1.6983	0.2037	0.6655	0.539	1.4082
1012	24.8	25.7	0.1249	1.6256	-0.0552	1.6952	0.2025	0.6988	0.5252	1.4265
1013	25.6	25.7	0.1265	1.625	-0.0557	1.6959	0.1831	0.7555	0.5257	1.4643
1014	24.9	25.8	0.129	1.6251	-0.0571	1.697	0.176	0.7887	0.4686	1.4332
1015	25.8	26	0.1301	1.6244	-0.0573	1.6973	0.2027	0.7892	0.4375	1.4294
1016	26.4	26	0.1312	1.6224	-0.0565	1.697	0.2102	0.7705	0.433	1.4138
1017	26.6	26.1	0.1318	1.6209	-0.0563	1.6964	0.2009	0.7684	0.4454	1.4147
1018	27.2	26.1	0.1321	1.6211	-0.0576	1.6957	0.1865	0.7964	0.4488	1.4317
1019	27.4	26.1	0.1329	1.6217	-0.0592	1.6955	0.1734	0.814	0.4537	1.4412
1020	26.6	26.2	0.1323	1.6222	-0.0603	1.6943	0.1366	0.8285	0.4588	1.4239
1021	26.8	26.3	0.1305	1.6239	-0.0627	1.6916	0.1219	0.8351	0.4551	1.4121
1022	26.5	26.3	0.1293	1.6251	-0.0648	1.6897	0.1093	0.8152	0.4801	1.4046
1023	27.6	26.3	0.1258	1.6231	-0.0646	1.6843	0.1269	0.7996	0.4757	1.4022
1024	28.1	26.5	0.1222	1.6211	-0.0614	1.6818	0.1519	0.765	0.4912	1.4081
1025	25.9	26.6	0.1227	1.6155	-0.0611	1.6771	0.1598	0.7411	0.5085	1.4094
1026	25.4	26.7	0.1236	1.6137	-0.0588	1.6785	0.1764	0.7582	0.4807	1.4154
1027	25.8	26.9	0.1236	1.6116	-0.057	1.6783	0.1784	0.7671	0.4714	1.4169

1028	25.2	27	0.1233	1.6089	-0.0558	1.6765	0.1736	0.7462	0.505	1.4248
1029	25.9	27	0.1233	1.6072	-0.0553	1.6752	0.1746	0.7372	0.5085	1.4203
1030	26.3	27	0.1235	1.6052	-0.0544	1.6743	0.1807	0.7295	0.5088	1.419
1031	25.7	27	0.1228	1.6051	-0.0547	1.6733	0.1856	0.6988	0.532	1.4165
1032	26.5	27.2	0.1217	1.6048	-0.0555	1.671	0.1893	0.7113	0.5445	1.4451
1033	26.9	27.3	0.1214	1.6032	-0.0556	1.669	0.1803	0.7052	0.554	1.4395
1034	27.9	27.4	0.1213	1.603	-0.0579	1.6665	0.1793	0.7111	0.5684	1.4587
1035	29.5	27.6	0.1212	1.604	-0.06	1.6652	0.1775	0.7048	0.5925	1.4748
1036	29.5	27.7	0.1203	1.6026	-0.0605	1.6625	0.1789	0.6788	0.6254	1.4831
1037	28.7	27.9	0.1195	1.6023	-0.0602	1.6615	0.181	0.6829	0.6123	1.4763
1038	27.3	28.1	0.1194	1.6043	-0.0611	1.6626	0.1905	0.6961	0.5957	1.4823
1039	28.2	28.2	0.119	1.6066	-0.0652	1.6604	0.1909	0.7158	0.5664	1.4731
1040	27.1	28.3	0.1189	1.6054	-0.0647	1.6595	0.2151	0.7132	0.5374	1.4657
1041	29.5	28.3	0.1186	1.6051	-0.0664	1.6573	0.2275	0.7285	0.5053	1.4614
1042	29	28.3	0.1198	1.6059	-0.0708	1.655	0.2241	0.7431	0.5017	1.4689
1043	29.6	28.3	0.1198	1.6063	-0.0732	1.6529	0.1795	0.7458	0.5282	1.4534
1044	29.6	28.3	0.1185	1.6051	-0.0728	1.6508	0.1668	0.7658	0.5423	1.4749
1045	29	28.1	0.1199	1.604	-0.0727	1.6512	0.1855	0.7885	0.5109	1.4849
1046	29.2	28	0.1206	1.6036	-0.0734	1.6509	0.1955	0.8142	0.4821	1.4918
1047	29	27.8	0.1205	1.6034	-0.0757	1.6482	0.2027	0.8181	0.47	1.4909
1048	27.9	27.8	0.1199	1.6026	-0.076	1.6465	0.194	0.8273	0.4691	1.4905
1049	27.2	27.8	0.1196	1.6011	-0.0746	1.6461	0.2022	0.8384	0.4639	1.5046
1050	25.7	27.9	0.1197	1.5981	-0.0718	1.646	0.2342	0.847	0.4313	1.5124
1051	27.8	27.7	0.1191	1.5975	-0.0719	1.6447	0.2555	0.8102	0.4338	1.4995
1052	26.2	27.7	0.1181	1.596	-0.0716	1.6425	0.2815	0.7866	0.4561	1.5242
1053	27	27.7	0.1168	1.5952	-0.0715	1.6405	0.3072	0.7606	0.4775	1.5454
1054	26	27.6	0.1155	1.5981	-0.0738	1.6398	0.2765	0.7448	0.5081	1.5294
1055	27.2	27.6	0.1119	1.5987	-0.076	1.6345	0.2214	0.7467	0.551	1.5191
1056	26.3	27.6	0.1108	1.5978	-0.0767	1.6319	0.2114	0.7962	0.5257	1.5333
1057	27.2	27.7	0.1116	1.5959	-0.0777	1.6297	0.2182	0.8023	0.5208	1.5413
1058	27.9	27.9	0.1134	1.5943	-0.0796	1.6281	0.2503	0.8044	0.4895	1.5443
1059	27.6	27.9	0.1113	1.5936	-0.0793	1.6256	0.2452	0.8466	0.4645	1.5562
1060	27.4	28	0.1083	1.5939	-0.0793	1.6229	0.2172	0.8757	0.4447	1.5376
1061	27.8	28.1	0.1094	1.592	-0.0804	1.621	0.1942	0.8858	0.4328	1.5128
1062	29.1	28.3	0.1121	1.5871	-0.0831	1.6161	0.173	0.8866	0.4465	1.506
1063	29	28.3	0.1124	1.5835	-0.0782	1.6177	0.1552	0.8526	0.4836	1.4914
1064	29	28.4	0.1096	1.5831	-0.0756	1.6171	0.1394	0.8518	0.5136	1.5048

1065	28.8	28.5	0.1079	1.5838	-0.0749	1.6168	0.1445	0.8637	0.5196	1.5279
1066	31.3	28.7	0.1075	1.5823	-0.0749	1.6149	0.1447	0.8639	0.5319	1.5405
1067	30.7	28.8	0.1088	1.5803	-0.0763	1.6127	0.145	0.8455	0.5496	1.5401
1068	27.7	28.9	0.1105	1.5793	-0.0796	1.6102	0.1508	0.8431	0.557	1.5509
1069	28.4	28.9	0.1139	1.5774	-0.0809	1.6104	0.1898	0.849	0.5259	1.5647
1070	29.7	29	0.115	1.5765	-0.0811	1.6103	0.2251	0.854	0.4959	1.5751
1071	29.5	29	0.1156	1.5766	-0.0817	1.6105	0.2278	0.8677	0.4777	1.5732
1072	27.3	29	0.1164	1.577	-0.0841	1.6093	0.197	0.9142	0.4634	1.5747
1073	27.8	29	0.1166	1.5779	-0.0868	1.6077	0.1836	0.957	0.4189	1.5595
1074	29.1	29.1	0.1161	1.5772	-0.0874	1.6059	0.2013	0.9373	0.4076	1.5462
1075	29.6	29	0.1156	1.575	-0.0857	1.605	0.1602	0.9488	0.4401	1.5491
1076	29.1	28.9	0.1153	1.5728	-0.0838	1.6043	0.1388	0.9008	0.4652	1.5048
1077	29.4	28.8	0.1161	1.5722	-0.0858	1.6025	0.134	0.8893	0.5154	1.5387
1078	28.9	28.9	0.1173	1.5716	-0.087	1.6018	0.1239	0.86	0.5641	1.548
1079	29.6	28.9	0.1177	1.5704	-0.0877	1.6004	0.1098	0.8307	0.5895	1.53
1080	27.3	28.8	0.1167	1.5705	-0.0878	1.5994	0.1093	0.8244	0.588	1.5218
1081	28.9	28.7	0.1163	1.5679	-0.088	1.5961	0.1161	0.8036	0.594	1.5137
1082	29.1	28.8	0.1173	1.5655	-0.088	1.5947	0.1402	0.7968	0.5901	1.5271
1083	30.2	28.8	0.1166	1.5627	-0.0864	1.5929	0.1799	0.7795	0.5864	1.5458
1084	27.9	28.8	0.1172	1.5625	-0.0883	1.5914	0.2064	0.7506	0.5888	1.5457
1085	28.5	28.6	0.1175	1.5645	-0.0929	1.5891	0.2277	0.7529	0.5692	1.5497
1086	29.2	28.6	0.1176	1.5653	-0.0951	1.5877	0.2622	0.7846	0.5442	1.591
1087	29.9	28.5	0.1169	1.5656	-0.0963	1.5863	0.27	0.8121	0.5143	1.5964
1088	28.6	28.5	0.1162	1.5656	-0.0968	1.5851	0.2349	0.8248	0.5176	1.5773
1089	27.2	28.4	0.1136	1.5657	-0.0954	1.5839	0.2103	0.8619	0.5346	1.6068
1090	28.2	28.5	0.1115	1.5644	-0.0935	1.5824	0.2217	0.8979	0.4969	1.6165
1091	29.5	28.6	0.1113	1.5631	-0.0933	1.5811	0.2179	0.8864	0.5201	1.6244
1092	27.6	28.6	0.1155	1.5619	-0.0956	1.5818	0.2162	0.8826	0.512	1.6109
1093	28.4	28.5	0.1172	1.5593	-0.0982	1.5784	0.2363	0.8959	0.4757	1.6079
1094	26.8	28.5	0.1166	1.5577	-0.0972	1.5771	0.2195	0.9284	0.4678	1.6157
1095	29.2	28.5	0.1166	1.5557	-0.0961	1.5762	0.1803	0.9413	0.4803	1.602
1096	27.7	28.5	0.1165	1.5549	-0.0963	1.5751	0.1838	0.945	0.4906	1.6194
1097	27.9	28.4	0.1168	1.5538	-0.0974	1.5732	0.1747	0.9613	0.4927	1.6286
1098	27.4	28.5	0.1152	1.5526	-0.0963	1.5714	0.1648	0.9759	0.4745	1.6152
1099	29.9	28.5	0.1133	1.5512	-0.0956	1.5689	0.1565	0.9749	0.4756	1.607
1100	30	28.5	0.112	1.5516	-0.0955	1.568	0.1607	0.9688	0.4752	1.6047
1101	28.6	28.5	0.1097	1.5525	-0.0964	1.5658	0.173	0.9405	0.5038	1.6173

1102	29.3	28.6	0.1065	1.5531	-0.0974	1.5622	0.1921	0.9251	0.5118	1.629
1103	28.5	28.6	0.1064	1.5527	-0.0978	1.5613	0.2101	0.8754	0.5434	1.6289
1104	28.3	28.7	0.1101	1.5514	-0.1	1.5616	0.23	0.8461	0.5658	1.642
1105	27.6	28.8	0.1114	1.5452	-0.0972	1.5594	0.3513	0.8897	0.4001	1.6411
1106	29.3	28.9	0.1107	1.5442	-0.0968	1.5581	0.3492	0.9015	0.3819	1.6325
1107	29.8	28.9	0.1072	1.5446	-0.0947	1.5571	0.3682	0.8918	0.3693	1.6293
1108	26.8	29	0.1072	1.5427	-0.0957	1.5542	0.3739	0.891	0.3688	1.6337
1109	29.4	29	0.1075	1.5416	-0.0966	1.5525	0.3674	0.868	0.3876	1.623
1110	29.1	29	0.1072	1.5407	-0.0977	1.5502	0.3426	0.8822	0.3838	1.6086
1111	29.7	29	0.1076	1.5405	-0.1004	1.5477	0.316	0.9065	0.3759	1.5984
1112	29	28.9	0.1094	1.5403	-0.1036	1.5461	0.3309	0.8986	0.3692	1.5987
1113	28.4	28.9	0.1126	1.5398	-0.107	1.5454	0.3604	0.8505	0.3673	1.5782
1114	29.6	28.9	0.1146	1.5388	-0.1091	1.5442	0.3672	0.8206	0.4228	1.6106
1115	30	28.9	0.1157	1.538	-0.1104	1.5432	0.3426	0.822	0.4433	1.6079
1116	29.1	28.9	0.1167	1.5378	-0.1115	1.543	0.3252	0.8312	0.4575	1.614
1117	29.3	28.9	0.1167	1.5366	-0.112	1.5413	0.3269	0.8378	0.4424	1.607
1118	29.9	29.1	0.1132	1.5362	-0.1102	1.5392	0.3163	0.8173	0.4381	1.5716
1119	29.8	29	0.1104	1.5363	-0.1088	1.538	0.3181	0.8005	0.4346	1.5532
1120	27.9	29	0.1096	1.5355	-0.1081	1.537	0.3702	0.7912	0.3876	1.549
1121	28.1	28.9	0.1108	1.5325	-0.1091	1.5342	0.4148	0.8245	0.365	1.6043
1122	27.7	29	0.1109	1.5294	-0.1066	1.5337	0.4359	0.829	0.3659	1.6308
1123	28.6	29.1	0.1057	1.5294	-0.1054	1.5297	0.4498	0.8408	0.3484	1.639
1124	28.2	29	0.1062	1.5262	-0.1054	1.5269	0.4452	0.8735	0.3259	1.6446
1125	29.5	29	0.1088	1.5254	-0.1076	1.5266	0.4309	0.8845	0.3278	1.6432
1126	29.9	28.9	0.1102	1.5248	-0.1103	1.5246	0.4077	0.8813	0.345	1.6339
1127	29.2	29	0.1113	1.5256	-0.1134	1.5235	0.3701	0.9111	0.3665	1.6477
1128	28.2	28.9	0.1123	1.5259	-0.1147	1.5235	0.3405	0.9394	0.3597	1.6397
1129	28.2	28.9	0.1123	1.5248	-0.1141	1.523	0.349	0.938	0.3591	1.6462
1130	28.8	28.9	0.1119	1.5248	-0.1138	1.5229	0.353	0.9234	0.3633	1.6396
1131	30.6	28.9	0.1088	1.5254	-0.1137	1.5206	0.3254	0.9315	0.3705	1.6273
1132	29.6	29	0.1037	1.5268	-0.1141	1.5164	0.3459	0.9066	0.3758	1.6284
1133	29	29	0.1008	1.5281	-0.1145	1.5144	0.3783	0.8819	0.3854	1.6456
1134	29.5	29.2	0.0985	1.5278	-0.1148	1.5115	0.4014	0.8581	0.3938	1.6533
1135	28	29.3	0.095	1.5256	-0.1144	1.5061	0.4436	0.849	0.3861	1.6787
1136	30.5	29.4	0.0933	1.5214	-0.1119	1.5029	0.4605	0.8809	0.3374	1.6787
1137	28.4	29.5	0.096	1.5198	-0.112	1.5038	0.4705	0.8834	0.33	1.6838
1138	29.4	29.6	0.0984	1.5181	-0.1145	1.502	0.4762	0.8872	0.3287	1.6921

1139	27.8	29.8	0.0968	1.5168	-0.1149	1.4987	0.4918	0.9045	0.3247	1.7209
1140	28.3	29.8	0.0971	1.5167	-0.1167	1.4971	0.483	0.916	0.3459	1.7449
1141	28.6	29.7	0.097	1.5169	-0.1176	1.4962	0.4678	0.9199	0.3669	1.7547
1142	30	29.7	0.0962	1.5163	-0.1183	1.4942	0.4661	0.934	0.3633	1.7635
1143	31	29.7	0.0979	1.5134	-0.12	1.4913	0.5046	0.9414	0.3335	1.7796
1144	32	29.7	0.1005	1.511	-0.1209	1.4906	0.4925	0.9258	0.3251	1.7434
1145	31.9	29.7	0.1016	1.5095	-0.1218	1.4893	0.4579	0.9114	0.3623	1.7316
1146	31.1	29.5	0.1032	1.5075	-0.1227	1.488	0.4368	0.9122	0.3809	1.7298
1147	30.7	29.5	0.1041	1.5058	-0.1231	1.4867	0.4384	0.9143	0.384	1.7368
1148	31.2	29.4	0.1042	1.5051	-0.1235	1.4858	0.4489	0.9102	0.3738	1.7329
1149	29.1	29.4	0.1035	1.5042	-0.1221	1.4856	0.4259	0.9021	0.4039	1.7319
1150	28.2	29.4	0.1024	1.5041	-0.1222	1.4843	0.4125	0.8915	0.4219	1.7259
1151	29.3	29.4	0.0999	1.505	-0.1231	1.4818	0.4037	0.8989	0.4276	1.7302
1152	29.1	29.3	0.0971	1.5084	-0.126	1.4796	0.3962	0.9185	0.423	1.7378
1153	29.3	29.1	0.0938	1.5106	-0.128	1.4763	0.3901	0.9316	0.416	1.7377
1154	27.5	29	0.0804	1.5091	-0.1138	1.4757	0.4158	0.927	0.4155	1.7582
1155	27.8	28.8	0.077	1.5085	-0.1142	1.4713	0.4691	0.9266	0.3957	1.7913
1156	27.7	28.7	0.074	1.5086	-0.1137	1.469	0.4991	0.8687	0.4275	1.7953
1157	27.6	28.5	0.0742	1.5068	-0.1146	1.4664	0.505	0.8557	0.4409	1.8015
1158	28.7	28.3	0.0767	1.5075	-0.1184	1.4658	0.4688	0.8762	0.4669	1.812
1159	28.6	28.3	0.0771	1.5053	-0.1176	1.4648	0.4655	0.8584	0.4655	1.7894
1160	28.4	28.4	0.0767	1.5032	-0.1169	1.4631	0.4285	0.8685	0.4695	1.7665
1161	28.1	28.4	0.0763	1.5021	-0.1173	1.4611	0.4235	0.8557	0.471	1.7502
1162	27.4	28.6	0.0761	1.502	-0.1198	1.4583	0.4437	0.8613	0.4479	1.7529
1163	29	28.7	0.0757	1.5015	-0.1205	1.4567	0.4454	0.8873	0.4257	1.7584
1164	28	28.8	0.0754	1.5009	-0.1199	1.4563	0.4382	0.8939	0.4131	1.7452
1165	29.3	28.9	0.0754	1.5007	-0.1207	1.4554	0.4288	0.8999	0.402	1.7307
1166	27.4	29	0.0748	1.4985	-0.1191	1.4542	0.4251	0.9016	0.4006	1.7273
1167	27.2	29.1	0.0772	1.4985	-0.1201	1.4556	0.4309	0.9068	0.4003	1.7381
1168	29.2	29.2	0.0787	1.4993	-0.123	1.4549	0.4305	0.8994	0.4138	1.7437
1169	29.2	29.2	0.0769	1.4983	-0.1196	1.4555	0.3869	0.8954	0.4466	1.7289
1170	30.7	29.3	0.0735	1.4941	-0.1176	1.4499	0.3689	0.8995	0.4625	1.731
1171	31.6	29.4	0.072	1.4937	-0.1183	1.4474	0.3837	0.8856	0.4749	1.7442
1172	31.6	29.5	0.0714	1.4929	-0.1189	1.4454	0.4487	0.8703	0.4339	1.753
1173	30.2	29.6	0.0721	1.4905	-0.1194	1.4433	0.4736	0.8527	0.4573	1.7836
1174	29.2	29.8	0.073	1.4888	-0.1202	1.4416	0.4358	0.8547	0.4761	1.7666
1175	30.1	29.8	0.0748	1.4869	-0.1201	1.4416	0.4417	0.8337	0.4819	1.7573

1176	29.3	29.9	0.0782	1.4817	-0.1204	1.4395	0.4656	0.8382	0.486	1.7898
1177	30.4	30.1	0.0821	1.4783	-0.1218	1.4385	0.48	0.8338	0.4543	1.7681
1178	29.4	30.1	0.0824	1.4778	-0.1229	1.4372	0.5453	0.8513	0.3918	1.7885
1179	28.8	30.2	0.0824	1.4781	-0.124	1.4365	0.5677	0.8662	0.3767	1.8106
1180	30.1	30.2	0.0842	1.4774	-0.1248	1.4367	0.5822	0.8733	0.3807	1.8362
1181	30.7	30.1	0.0817	1.4772	-0.1256	1.4333	0.5827	0.8883	0.3922	1.8632
1182	30.4	30	0.0794	1.4773	-0.1265	1.4302	0.5579	0.897	0.3993	1.8542
1183	30.6	30.1	0.0765	1.4769	-0.1258	1.4276	0.5141	0.912	0.4059	1.832
1184	30.7	30.2	0.0728	1.4776	-0.1269	1.4235	0.4945	0.9404	0.4071	1.842
1185	29.4	30.2	0.0715	1.4764	-0.1267	1.4212	0.4753	0.9502	0.3948	1.8204
1186	29.4	30.4	0.0706	1.4769	-0.1281	1.4194	0.3905	0.9488	0.4139	1.7531
1187	30.9	30.5	0.0693	1.4769	-0.1291	1.4171	0.3508	0.9141	0.4525	1.7174
1188	30.3	30.6	0.067	1.4752	-0.1293	1.413	0.4101	0.9053	0.4485	1.764
1189	29.9	30.8	0.0653	1.4741	-0.13	1.4094	0.4387	0.9043	0.4345	1.7775
1190	30.6	30.8	0.0647	1.4724	-0.1302	1.4069	0.4345	0.8969	0.4371	1.7685
1191	30.5	30.8	0.0647	1.4697	-0.1296	1.4047	0.4719	0.899	0.4146	1.7855
1192	32	30.9	0.065	1.4678	-0.129	1.4038	0.4564	0.93	0.4057	1.7922
1193	29.9	30.9	0.068	1.4667	-0.1307	1.404	0.408	0.958	0.41	1.7759
1194	30.8	30.9	0.0708	1.4665	-0.1334	1.4039	0.4034	0.9329	0.4045	1.7408
1195	33.3	30.9	0.0729	1.4645	-0.1342	1.4032	0.427	0.9069	0.391	1.7249
1196	31.4	31	0.0727	1.4635	-0.1347	1.4015	0.4614	0.8925	0.3847	1.7385
1197	31.8	31	0.0719	1.4628	-0.1348	1.3999	0.5086	0.8676	0.381	1.7572
1198	32.9	30.9	0.0726	1.4624	-0.1367	1.3983	0.5161	0.8523	0.3852	1.7536
1199	29.9	30.9	0.0721	1.4621	-0.1378	1.3963	0.5253	0.8397	0.388	1.7531
1200	31.1	30.9	0.0716	1.4617	-0.1383	1.395	0.5216	0.8278	0.4199	1.7693
1201	31.6	30.9	0.0701	1.4607	-0.1387	1.392	0.5356	0.8527	0.4025	1.7907
1202	30.9	30.9	0.0675	1.4599	-0.139	1.3884	0.5273	0.8723	0.388	1.7877
1203	30.2	31	0.0649	1.46	-0.1393	1.3855	0.5013	0.9264	0.3699	1.7976
1204	30.6	30.9	0.0632	1.4588	-0.1395	1.3824	0.4491	0.9478	0.3904	1.7873
1205	30.8	30.7	0.0615	1.4583	-0.1399	1.3799	0.251	0.9378	0.6048	1.7936
1206	30.1	30.6	0.0602	1.4586	-0.1408	1.378	0.1875	0.9495	0.6189	1.7559
1207	29.4	30.5	0.0603	1.457	-0.1414	1.3759	0.1801	0.966	0.6071	1.7533
1208	29	30.4	0.0607	1.4568	-0.1423	1.3752	0.1842	0.9754	0.585	1.7446
1209	30.9	30.4	0.0646	1.4548	-0.1435	1.3759	0.2225	0.9956	0.5195	1.7377
1210	30.6	30.4	0.0649	1.4551	-0.1448	1.3752	0.2317	0.9814	0.5296	1.7426
1211	31.7	30.3	0.0633	1.4543	-0.1451	1.3724	0.2157	0.981	0.5351	1.7318
1212	32.1	30.2	0.0648	1.4516	-0.1461	1.3703	0.1793	0.985	0.5392	1.7035

1213	29.6	30.2	0.0688	1.4504	-0.1483	1.3709	0.16	0.9921	0.5199	1.672
1214	28.5	30.1	0.0717	1.4488	-0.1493	1.3712	0.141	0.994	0.5165	1.6515
1215	29.6	30.2	0.0731	1.4479	-0.1505	1.3705	0.1192	0.9851	0.5381	1.6424
1216	30.7	30.1	0.0736	1.4471	-0.1515	1.3692	0.1116	0.9847	0.5418	1.6381
1217	29.9	30.1	0.0736	1.4466	-0.1534	1.3669	0.1014	0.9747	0.5596	1.6357
1218	30	30.2	0.0745	1.4467	-0.1549	1.3663	0.1264	0.9871	0.5417	1.6552
1219	30.5	30.1	0.0735	1.4463	-0.155	1.3649	0.139	1.0012	0.5285	1.6687
1220	30.1	30	0.0712	1.4469	-0.1555	1.3626	0.1425	1.0058	0.5433	1.6915
1221	29.6	29.8	0.0659	1.4455	-0.1525	1.3589	0.1267	0.9678	0.5647	1.6592
1222	29.1	29.7	0.0636	1.4441	-0.1524	1.3554	0.1045	0.9873	0.557	1.6488
1223	29.8	29.7	0.0621	1.4439	-0.153	1.3531	0.1026	0.9746	0.5767	1.6539
1224	32.4	29.7	0.062	1.4428	-0.1536	1.3512	0.125	0.9465	0.5904	1.6619
1225	28.8	29.8	0.0623	1.4416	-0.1562	1.3476	0.1805	0.9406	0.568	1.689
1226	29.2	29.8	0.0622	1.4414	-0.1558	1.3478	0.2162	0.9212	0.5849	1.7223
1227	29.6	29.8	0.0567	1.4405	-0.1526	1.3446	0.2533	0.8811	0.5966	1.7311
1228	29.4	29.8	0.0555	1.4393	-0.1524	1.3424	0.3014	0.845	0.602	1.7485
1229	28.3	29.8	0.0541	1.4375	-0.1522	1.3394	0.3165	0.8548	0.5753	1.7465
1230	29.4	29.9	0.0536	1.436	-0.153	1.3366	0.3178	0.8737	0.5573	1.7489
1231	29.7	29.9	0.053	1.4357	-0.1536	1.3352	0.3241	0.8638	0.5664	1.7544
1232	29.2	30	0.0523	1.4356	-0.1547	1.3332	0.2957	0.8655	0.5704	1.7316
1233	29.2	30	0.0513	1.4341	-0.1552	1.3302	0.2828	0.8907	0.5575	1.7309
1234	31.4	29.9	0.051	1.4327	-0.1543	1.3295	0.242	0.897	0.5641	1.7032
1235	30.8	30	0.0559	1.4307	-0.1558	1.3308	0.1852	0.9048	0.5544	1.6445
1236	30.2	30.1	0.0582	1.43	-0.1571	1.3311	0.1686	0.907	0.5591	1.6346
1237	29.4	30.1	0.055	1.4293	-0.1569	1.3274	0.1414	0.9249	0.5597	1.626
1238	30.8	30	0.0545	1.4277	-0.158	1.3242	0.1226	0.9409	0.5535	1.617
1239	30.9	30.1	0.0534	1.4271	-0.1586	1.3219	0.0791	0.9467	0.564	1.5898
1240	31	30.1	0.0499	1.4268	-0.1582	1.3185	0.0522	0.9545	0.561	1.5676
1241	30.9	30.1	0.0513	1.4238	-0.1582	1.317	0.0323	0.9503	0.5728	1.5554
1242	30	30.1	0.0554	1.4205	-0.1593	1.3166	0.0248	0.9336	0.5964	1.5548
1243	29.9	30.1	0.0575	1.4201	-0.1604	1.3173	0.0223	0.9216	0.6043	1.5481
1244	30.7	30	0.0578	1.4203	-0.16	1.3181	0.044	0.9185	0.5864	1.5489
1245	30.5	29.9	0.0554	1.4203	-0.1603	1.3154	0.0635	0.929	0.5669	1.5594
1246	29.7	30	0.0523	1.4208	-0.1608	1.3123	0.0762	0.9141	0.5688	1.5591
1247	28.7	30.1	0.0525	1.4206	-0.1616	1.3114	0.0702	0.8999	0.5851	1.5551
1248	30	30	0.0517	1.4211	-0.1623	1.3105	0.0696	0.889	0.5909	1.5495
1249	29.1	29.9	0.0514	1.4214	-0.1641	1.3087	0.1471	0.8733	0.5403	1.5607

1250	29.2	29.9	0.0488	1.4188	-0.1624	1.3052	0.1756	0.8706	0.5349	1.5811
1251	29.1	29.9	0.0471	1.4178	-0.1619	1.303	0.1923	0.8776	0.5276	1.5975
1252	30.1	30	0.047	1.4158	-0.1629	1.2998	0.1916	0.8681	0.5296	1.5894
1253	28.7	30	0.0489	1.4158	-0.1671	1.2976	0.1636	0.8746	0.5243	1.5625
1254	29.8	30	0.0553	1.4153	-0.1742	1.2964	0.1252	0.897	0.5261	1.5483
1255	31.4	29.9	0.0582	1.4136	-0.1761	1.2957	0.0949	0.9012	0.5372	1.5334
1256	30.4	29.9	0.056	1.412	-0.1744	1.2936	0.0608	0.9174	0.555	1.5332
1257	29.2	29.9	0.0558	1.4093	-0.1731	1.2919	0.0314	0.9378	0.5576	1.5267
1258	30.5	29.8	0.0544	1.4079	-0.1703	1.292	-0.0035	0.9288	0.5796	1.5049
1259	30.9	29.9	0.0539	1.4072	-0.1706	1.2905	-0.0187	0.9325	0.5981	1.5119
1260	30.6	29.7	0.0552	1.4051	-0.1704	1.2899	0.0199	0.9094	0.6035	1.5329
1261	30.7	29.7	0.0583	1.4036	-0.1712	1.2908	0.0277	0.9193	0.5919	1.5389
1262	30	29.6	0.0601	1.4028	-0.1718	1.2911	0.0004	0.9363	0.5957	1.5325
1263	30.7	29.5	0.0616	1.4021	-0.1722	1.2915	0.0242	0.9254	0.5624	1.512
1264	29.5	29.4	0.0634	1.4024	-0.1737	1.2921	0.0696	0.9468	0.5147	1.531
1265	30.2	29.1	0.0642	1.4022	-0.1749	1.2916	0.0938	0.9414	0.5024	1.5376
1266	28.3	29	0.0647	1.4011	-0.1751	1.2907	0.0997	0.9501	0.5051	1.5549
1267	28.4	29	0.0645	1.3998	-0.1743	1.2901	0.0939	0.9455	0.5139	1.5533
1268	29.6	28.8	0.0648	1.3992	-0.1759	1.2881	0.084	0.932	0.5352	1.5511
1269	27	28.7	0.0626	1.3977	-0.1739	1.2864	0.0859	0.9351	0.5386	1.5596
1270	28	28.5	0.0608	1.3973	-0.1741	1.284	0.0817	0.9428	0.5332	1.5577
1271	28.5	28.4	0.0616	1.3949	-0.174	1.2825	0.0647	0.9667	0.5282	1.5596
1272	27.5	28.4	0.0611	1.3954	-0.1766	1.28	-0.0134	0.9586	0.5944	1.5396
1273	26.9	28.3	0.0596	1.3959	-0.1784	1.2771	-0.045	0.9453	0.6125	1.5127
1274	26.7	28.3	0.0549	1.3947	-0.177	1.2727	-0.0218	0.9421	0.5935	1.5137
1275	28.4	28.1	0.0532	1.3948	-0.1786	1.2693	0.0053	0.9414	0.5712	1.5179
1276	28.3	28.2	0.0529	1.3936	-0.1801	1.2664	0.0286	0.937	0.5452	1.5107
1277	27.5	28.1	0.0519	1.3938	-0.182	1.2637	0.0312	0.9416	0.552	1.5248
1278	27.9	28	0.0507	1.3923	-0.1805	1.2626	-0.0309	0.9454	0.5831	1.4977
1279	27.9	28.1	0.0506	1.3907	-0.1797	1.2616	-0.0862	0.9475	0.6037	1.465
1280	28.3	28.1	0.0518	1.391	-0.1815	1.2612	-0.1334	0.9297	0.6575	1.4538
1281	29.5	28.1	0.0521	1.3907	-0.1826	1.2601	-0.1401	0.9313	0.6628	1.4541
1282	29.3	28.1	0.0512	1.3882	-0.1823	1.2571	-0.1462	0.9337	0.6743	1.4618
1283	28.9	28.2	0.0523	1.3872	-0.1822	1.2572	-0.1511	0.9464	0.6634	1.4586
1284	26.9	28.3	0.0543	1.3871	-0.1823	1.2591	-0.1502	0.937	0.6626	1.4493
1285	29.4	28.2	0.0546	1.3857	-0.1826	1.2578	-0.1725	0.9422	0.6874	1.4572
1286	26.8	28.2	0.0564	1.3844	-0.1841	1.2568	-0.1221	0.9298	0.6652	1.473

1287	28.2	28.2	0.0571	1.3828	-0.1845	1.2554	-0.1041	0.9355	0.658	1.4893
1288	28.1	28.3	0.0591	1.3805	-0.1857	1.254	-0.1447	0.9368	0.6715	1.4636
1289	28.1	28.3	0.0601	1.3786	-0.1861	1.2526	-0.1249	0.9247	0.6596	1.4594
1290	28.7	28.3	0.0615	1.3774	-0.1875	1.2513	-0.0887	0.9333	0.6002	1.4448
1291	28.1	28.2	0.0622	1.3763	-0.1892	1.2493	-0.1509	0.9388	0.6219	1.4099
1292	28.2	28.1	0.0628	1.3756	-0.1894	1.249	-0.1787	0.917	0.659	1.3974
1293	28.2	28	0.0636	1.3749	-0.1893	1.2491	-0.1499	0.8952	0.6492	1.3946
1294	28.2	28	0.0645	1.3736	-0.1901	1.248	-0.1279	0.9069	0.6389	1.4178
1295	27.1	28	0.0653	1.3731	-0.1911	1.2473	-0.1399	0.9073	0.6646	1.432
1296	28.2	28	0.0657	1.3735	-0.1932	1.246	-0.1718	0.9094	0.6652	1.4027
1297	28.8	28.1	0.0649	1.3739	-0.1939	1.2449	-0.205	0.9351	0.6565	1.3865
1298	29	28.2	0.0579	1.375	-0.1907	1.2422	-0.1976	0.9421	0.6367	1.3811
1299	27.2	28.2	0.0545	1.375	-0.1913	1.2382	-0.1646	0.9744	0.5752	1.385
1300	27.5	28.2	0.0524	1.3739	-0.1911	1.2352	-0.1639	0.993	0.5579	1.387
1301	28.3	28.2	0.0509	1.3739	-0.1916	1.2331	-0.1982	0.9772	0.5904	1.3694
1302	26.8	28.2	0.0512	1.3724	-0.1914	1.2322	-0.2407	0.9793	0.6213	1.3599
1303	27.3	28.2	0.0523	1.3703	-0.192	1.2307	-0.2671	0.9705	0.6261	1.3294
1304	28.1	28.3	0.0537	1.3687	-0.1933	1.2291	-0.2337	0.9762	0.5692	1.3117
1305	28.6	28.4	0.0554	1.3666	-0.1954	1.2265	-0.1492	0.9784	0.4828	1.3121
1306	29	28.4	0.0571	1.3648	-0.1966	1.2253	-0.1198	0.9674	0.4627	1.3102
1307	29.8	28.4	0.0607	1.3641	-0.1994	1.2254	-0.1475	0.963	0.4716	1.2871
1308	29.1	28.3	0.0625	1.3636	-0.2021	1.224	-0.1522	0.9388	0.4876	1.2742
1309	28	28.3	0.0626	1.3638	-0.2039	1.2226	-0.161	0.9286	0.5194	1.2869
1310	28	28.3	0.0621	1.3632	-0.204	1.2213	-0.169	0.9347	0.5298	1.2955
1311	28	28.2	0.0632	1.3607	-0.2047	1.2192	-0.1734	0.9243	0.5386	1.2895
1312	29.3	28.3	0.0624	1.359	-0.2024	1.2191	-0.1425	0.9104	0.5493	1.3172
1313	28.9	28.2	0.0618	1.3558	-0.1998	1.2178	-0.1069	0.9135	0.5294	1.336
1314	29.5	28.2	0.0623	1.3546	-0.1995	1.2174	-0.0927	0.9081	0.5312	1.3467
1315	27.4	28.1	0.0632	1.3529	-0.201	1.215	-0.069	0.9178	0.5193	1.3681
1316	29.3	28.1	0.0642	1.3526	-0.2029	1.2139	-0.0619	0.9233	0.5335	1.3948
1317	28.4	28	0.0652	1.3535	-0.2069	1.2118	-0.0314	0.9202	0.5168	1.4056
1318	26.9	27.8	0.0659	1.3532	-0.2087	1.2103	-0.0236	0.917	0.5207	1.4141
1319	26.2	27.8	0.0654	1.3521	-0.2083	1.2091	-0.0072	0.9194	0.5037	1.4159
1320	27.2	27.8	0.0647	1.3502	-0.2084	1.2066	-0.0358	0.9155	0.5456	1.4254
1321	27.8	27.7	0.0672	1.3496	-0.2119	1.2049	-0.0782	0.9157	0.5695	1.407
1322	26.5	27.7	0.0681	1.3496	-0.2136	1.2041	-0.0548	0.9027	0.5527	1.4006
1323	26.8	27.7	0.0643	1.3497	-0.2123	1.2017	-0.0356	0.9062	0.5283	1.3988

1324	27.8	27.7	0.0615	1.3487	-0.2107	1.1994	-0.0354	0.9124	0.5085	1.3856
1325	28.3	27.7	0.0594	1.3479	-0.2107	1.1966	-0.0696	0.9079	0.5211	1.3594
1326	27.7	27.6	0.0591	1.3472	-0.211	1.1953	-0.0777	0.9123	0.5138	1.3484
1327	26.7	27.6	0.0598	1.346	-0.2109	1.1948	-0.0663	0.9286	0.4921	1.3544
1328	26.6	27.7	0.0641	1.3445	-0.2127	1.1959	-0.0965	0.9535	0.4882	1.3453
1329	29	27.8	0.0675	1.3445	-0.2179	1.194	-0.0883	0.9295	0.5127	1.3539
1330	26.5	27.8	0.0676	1.3429	-0.2193	1.1912	-0.1124	0.9355	0.5381	1.3612
1331	28.3	27.9	0.0676	1.3424	-0.221	1.189	-0.1059	0.9583	0.5333	1.3857
1332	29.5	28	0.0674	1.341	-0.2211	1.1873	-0.1181	0.9736	0.5265	1.382
1333	29.6	28.1	0.0663	1.3404	-0.2214	1.1853	-0.1496	0.9535	0.5445	1.3484
1334	27.7	28.1	0.0682	1.3385	-0.223	1.1837	-0.1418	0.9456	0.5601	1.3639
1335	27.5	28.1	0.0681	1.3377	-0.2223	1.1835	-0.111	0.9458	0.5714	1.4062
1336	28.4	28.2	0.0687	1.3365	-0.2229	1.1822	-0.0962	0.929	0.5752	1.408
1337	28.3	28.3	0.0695	1.3356	-0.224	1.1811	-0.0657	0.9262	0.5605	1.421
1338	27.5	28.4	0.067	1.3352	-0.2239	1.1783	-0.0555	0.9205	0.5537	1.4186
1339	27.7	28.4	0.0622	1.3338	-0.2186	1.1774	-0.0342	0.9146	0.5448	1.4252
1340	29.3	28.5	0.065	1.3329	-0.2204	1.1775	-0.0446	0.9113	0.5464	1.4132
1341	28.5	28.5	0.0692	1.3321	-0.2241	1.1773	-0.0454	0.9162	0.5331	1.404
1342	28.7	28.5	0.0704	1.331	-0.2242	1.1771	-0.0544	0.9358	0.5264	1.4078
1343	28.7	28.5	0.0703	1.3294	-0.2243	1.1755	-0.057	0.9466	0.5387	1.4283
1344	27.6	28.5	0.0717	1.3296	-0.2264	1.1749	-0.0416	0.9489	0.5414	1.4487
1345	29.6	28.6	0.0726	1.3293	-0.2268	1.1752	-0.0532	0.939	0.5616	1.4474
1346	29.1	28.5	0.0728	1.3272	-0.2264	1.1737	-0.0522	0.9443	0.5694	1.4614
1347	28.3	28.5	0.0722	1.3264	-0.2253	1.1733	-0.034	0.9514	0.5517	1.4692
1348	27.8	28.5	0.0682	1.3237	-0.2199	1.172	-0.0256	0.9654	0.5413	1.4811
1349	28.8	28.7	0.0678	1.3221	-0.2199	1.17	-0.097	0.9969	0.5753	1.4752
1350	29.1	28.6	0.0686	1.3211	-0.2215	1.1683	-0.1375	1.0227	0.5598	1.4449
1351	29.6	28.6	0.0712	1.3198	-0.224	1.167	-0.1423	1.0353	0.5408	1.4338
1352	29.1	28.6	0.0737	1.3187	-0.2256	1.1669	-0.1625	1.046	0.5386	1.4221
1353	28.7	28.6	0.0722	1.3182	-0.224	1.1664	-0.1911	1.0423	0.5669	1.4181
1354	27.6	28.6	0.0702	1.3175	-0.2225	1.1652	-0.1969	1.038	0.5673	1.4083
1355	28.1	28.5	0.0702	1.3169	-0.2224	1.1647	-0.1932	1.0298	0.5606	1.3971
1356	27	28.5	0.0708	1.3157	-0.2215	1.1649	-0.1863	1.0098	0.5586	1.3822
1357	28.8	28.5	0.071	1.3154	-0.2219	1.1645	-0.1704	1.0055	0.5556	1.3908
1358	30	28.6	0.0705	1.315	-0.2223	1.1633	-0.1394	1.0023	0.5352	1.3982
1359	28.6	28.6	0.0708	1.3137	-0.2236	1.1609	-0.1203	1.0164	0.5062	1.4024
1360	28.6	28.7	0.0725	1.3127	-0.2243	1.1609	-0.1254	1.0265	0.4875	1.3886

1361	28	28.7	0.0726	1.3126	-0.2261	1.159	-0.1351	1.0326	0.4812	1.3788
1362	28.3	28.8	0.0708	1.3115	-0.2247	1.1575	-0.1299	1.0085	0.4745	1.3532
1363	28.7	28.8	0.0709	1.3113	-0.2253	1.1568	-0.1422	0.9937	0.5119	1.3634
1364	27.9	28.9	0.0703	1.3106	-0.2256	1.1553	-0.1516	0.9616	0.5514	1.3614
1365	28.6	29	0.0704	1.3099	-0.2282	1.1521	-0.1488	0.95	0.5756	1.3768
1366	28.9	29.1	0.0678	1.3091	-0.2268	1.1501	-0.1457	0.9407	0.5736	1.3686
1367	28.9	29.2	0.0669	1.3081	-0.2263	1.1486	-0.1346	0.9572	0.5486	1.3712
1368	29.3	29.1	0.0655	1.3072	-0.2263	1.1465	-0.1102	0.9732	0.5025	1.3655
1369	30.5	29.1	0.0662	1.3061	-0.2285	1.1439	-0.1163	0.9825	0.4899	1.356
1370	29.7	29.1	0.0686	1.3057	-0.231	1.1433	-0.1273	0.9957	0.4898	1.3582
1371	30.2	29.2	0.067	1.3047	-0.2293	1.1424	-0.1338	0.9915	0.4838	1.3414
1372	29.7	29.3	0.0647	1.3048	-0.2294	1.1401	-0.1048	0.9879	0.4568	1.3399
1373	29.9	29.3	0.0631	1.3046	-0.2293	1.1385	-0.0913	0.9978	0.4439	1.3504
1374	30.2	29.3	0.0619	1.3039	-0.2291	1.1368	-0.1333	1.012	0.4604	1.3391
1375	28.6	29.3	0.061	1.3036	-0.23	1.1345	-0.1629	1.0051	0.4882	1.3304
1376	29.4	29.3	0.0595	1.3007	-0.2293	1.131	-0.182	1.0128	0.4951	1.3259
1377	28.7	29.3	0.0616	1.2984	-0.2308	1.1292	-0.1886	1.0128	0.4992	1.3234
1378	28.8	29.3	0.0595	1.2994	-0.2317	1.1272	-0.1894	1.0074	0.5101	1.3282
1379	29.3	29.2	0.0618	1.2971	-0.2335	1.1255	-0.1401	0.9995	0.499	1.3585
1380	30.1	29.1	0.0624	1.2951	-0.2348	1.1227	-0.1015	1.0097	0.4439	1.352
1381	28.9	29.1	0.0639	1.2933	-0.2353	1.1219	-0.1002	1.0066	0.4257	1.3322
1382	29.3	29.1	0.0661	1.2928	-0.2367	1.1222	-0.092	1.0061	0.4099	1.3239
1383	28.2	29	0.0665	1.2926	-0.2382	1.1209	-0.0796	1.0055	0.4111	1.3369
1384	28.3	28.9	0.0654	1.2925	-0.2394	1.1185	-0.0688	1.0184	0.4028	1.3524
1385	27.9	28.9	0.0642	1.2928	-0.2401	1.117	-0.0582	1.012	0.3967	1.3505
1386	29.3	28.8	0.063	1.2918	-0.2402	1.1147	-0.0882	1.0355	0.4286	1.3759
1387	29.3	28.8	0.0626	1.2907	-0.2398	1.1135	-0.0975	1.0287	0.4407	1.372
1388	28.3	28.9	0.0626	1.2891	-0.2401	1.1115	-0.0878	1.0213	0.4353	1.3688
1389	28.2	28.9	0.0645	1.2875	-0.2407	1.1113	-0.1002	1.0188	0.4281	1.3467
1390	30.1	28.8	0.066	1.2857	-0.2408	1.111	-0.1171	0.9963	0.4767	1.3559
1391	29.4	28.7	0.0676	1.2827	-0.2419	1.1085	-0.0764	0.981	0.4519	1.3566
1392	28.8	28.7	0.0685	1.281	-0.2432	1.1062	-0.0168	0.9833	0.3906	1.3571
1393	27.8	28.6	0.0678	1.28	-0.2435	1.1043	0.0105	0.9856	0.3717	1.3678
1394	28.5	28.5	0.0698	1.2797	-0.2463	1.1032	0.024	0.9777	0.3666	1.3684
1395	28.1	28.5	0.0705	1.2787	-0.248	1.1012	0.0495	0.9845	0.3475	1.3815
1396	29	28.4	0.0691	1.2784	-0.2484	1.099	0.0694	0.9803	0.3566	1.4062
1397	29.3	28.3	0.0675	1.2773	-0.248	1.0968	0.0907	0.9595	0.3718	1.4221

1398	29.4	28.3	0.0676	1.2753	-0.2483	1.0947	0.1078	0.9508	0.3989	1.4574
1399	28.2	28.3	0.0682	1.2727	-0.2473	1.0937	0.0881	0.9322	0.4585	1.4788
1400	28.2	28.2	0.0666	1.2704	-0.2451	1.0918	0.1051	0.9262	0.4491	1.4804
1401	28.4	28.1	0.0672	1.2693	-0.2455	1.0909	0.1202	0.9253	0.435	1.4805
1402	26.8	28.1	0.0703	1.2682	-0.2481	1.0904	0.148	0.9333	0.3986	1.48
1403	26.9	28.2	0.072	1.2665	-0.2487	1.0899	0.1612	0.9502	0.3819	1.4932
1404	27.3	28.1	0.073	1.2657	-0.2493	1.0894	0.1482	0.9583	0.4068	1.5133
1405	27.5	28.1	0.074	1.2656	-0.2513	1.0883	0.1335	0.9691	0.4339	1.5365
1406	27.3	28.1	0.0741	1.2643	-0.2522	1.0862	0.1277	0.9689	0.4439	1.5405
1407	29.3	27.9	0.0746	1.2638	-0.2529	1.0855	0.1202	0.9651	0.4648	1.5502
1408	28.1	27.8	0.0746	1.2619	-0.2527	1.0838	0.1194	0.9725	0.4651	1.5571
1409	27	27.8	0.0752	1.2612	-0.2526	1.0837	0.115	0.9788	0.4618	1.5555
1410	28.5	27.7	0.0756	1.2599	-0.2521	1.0834	0.1213	0.9745	0.4504	1.5461
1411	29.2	27.7	0.0762	1.2598	-0.2522	1.0839	0.1418	0.9685	0.4504	1.5607
1412	28.5	27.8	0.0766	1.2597	-0.2536	1.0827	0.1395	0.9798	0.4316	1.5508
1413	27.2	27.9	0.077	1.2596	-0.255	1.0816	0.1052	0.9784	0.4498	1.5334
1414	27.4	27.9	0.0772	1.2597	-0.2571	1.0797	0.1003	0.98	0.4624	1.5427
1415	28.6	27.9	0.0778	1.2588	-0.2584	1.0782	0.0926	0.9712	0.4714	1.5351
1416	27.2	28	0.0776	1.2569	-0.2578	1.0767	0.0866	0.9651	0.4611	1.5128
1417	26.6	28	0.0763	1.2561	-0.2571	1.0752	0.0848	0.9688	0.4699	1.5235
1418	28.8	28	0.0775	1.2549	-0.2577	1.0747	0.0967	0.9669	0.4639	1.5276
1419	26.4	28	0.0781	1.2525	-0.2573	1.0733	0.093	0.9693	0.4593	1.5216
1420	28.3	27.9	0.0781	1.2511	-0.2567	1.0725	0.0958	0.9743	0.4462	1.5162
1421	28.3	27.8	0.0777	1.2508	-0.2576	1.0709	0.0983	0.9745	0.442	1.5149
1422	28.4	27.7	0.0772	1.2498	-0.258	1.069	0.0795	0.9712	0.4669	1.5176
1423	28	27.7	0.0776	1.2485	-0.2583	1.0678	0.0664	0.9789	0.4643	1.5096
1424	27.6	27.8	0.0778	1.2482	-0.2595	1.0664	0.0651	0.988	0.4588	1.5119
1425	29.4	27.8	0.0776	1.2466	-0.2602	1.064	0.0564	0.9874	0.4683	1.5121
1426	28.3	27.8	0.0779	1.2459	-0.2609	1.063	0.0731	0.9847	0.4566	1.5143
1427	27.8	27.9	0.0787	1.2452	-0.2619	1.062	0.0834	0.9619	0.4599	1.5052
1428	27.4	27.9	0.0782	1.2446	-0.2626	1.0601	0.1164	0.9473	0.4409	1.5045
1429	26.6	28.1	0.0776	1.2435	-0.2623	1.0588	0.1011	0.9619	0.4298	1.4928
1430	26.6	28.1	0.0776	1.2422	-0.2619	1.058	0.1288	0.9485	0.4182	1.4955
1431	27.1	28	0.0768	1.2418	-0.262	1.0566	0.1408	0.9384	0.4108	1.49
1432	28	28	0.0754	1.2404	-0.2622	1.0536	0.165	0.9532	0.3994	1.5177
1433	28.1	28	0.0732	1.2385	-0.2617	1.05	0.1765	0.9652	0.389	1.5308
1434	29.1	28	0.074	1.2373	-0.2627	1.0487	0.1651	0.965	0.3904	1.5204

1435	28.2	27.9	0.077	1.2341	-0.2652	1.0459	0.1378	0.9765	0.3942	1.5085
1436	28.4	27.8	0.0784	1.2336	-0.267	1.045	0.1455	0.9878	0.3789	1.5121
1437	29.1	27.7	0.0782	1.2335	-0.2675	1.0442	0.1234	0.9918	0.3897	1.5049
1438	29	27.7	0.077	1.2333	-0.2667	1.0436	0.1021	0.9869	0.4081	1.4971
1439	28.1	27.7	0.074	1.2341	-0.2663	1.0418	0.0889	0.9814	0.4151	1.4854
1440	27.3	27.7	0.0726	1.2348	-0.2656	1.0419	0.1309	0.9675	0.4002	1.4986
1441	27.8	27.8	0.0709	1.2338	-0.2631	1.0416	0.1636	0.9629	0.3898	1.5164
1442	27.6	27.9	0.0693	1.2324	-0.2614	1.0403	0.1645	0.9448	0.3896	1.4988
1443	27.9	27.9	0.0679	1.2317	-0.261	1.0386	0.1634	0.9309	0.3924	1.4868
1444	27.6	28	0.0668	1.2311	-0.2612	1.0368	0.1601	0.928	0.3946	1.4827
1445	26.5	28.1	0.0657	1.2313	-0.2624	1.0345	0.1889	0.9259	0.3722	1.4871
1446	26.8	28.3	0.0637	1.2313	-0.2636	1.0315	0.2022	0.9194	0.3602	1.4818
1447	26.7	28.4	0.0614	1.2313	-0.2652	1.0275	0.1988	0.9209	0.353	1.4727
1448	26.9	28.4	0.0593	1.2305	-0.2657	1.0241	0.1903	0.9212	0.356	1.4675
1449	26.5	28.6	0.0572	1.2295	-0.2648	1.0219	0.192	0.8993	0.3642	1.4555
1450	28.4	28.8	0.0566	1.2286	-0.265	1.0202	0.1968	0.8843	0.3824	1.4635
1451	29.3	28.9	0.0564	1.2265	-0.2639	1.019	0.1677	0.8815	0.4082	1.4574
1452	28.9	29	0.0576	1.2237	-0.2637	1.0176	0.1703	0.8865	0.4145	1.4714
1453	30.5	29.2	0.0574	1.2223	-0.2647	1.0151	0.2014	0.9011	0.3871	1.4896
1454	30.4	29.3	0.0568	1.2206	-0.2659	1.0115	0.2207	0.9057	0.3821	1.5085
1455	31.6	29.5	0.0574	1.22	-0.2668	1.0106	0.22	0.9236	0.3763	1.5199
1456	31.5	29.7	0.0587	1.2192	-0.268	1.0099	0.2107	0.9366	0.3613	1.5086
1457	29.7	29.8	0.059	1.2181	-0.2684	1.0088	0.209	0.9353	0.3573	1.5016
1458	30.5	29.9	0.0591	1.2172	-0.2684	1.0078	0.2087	0.9409	0.3525	1.5021
1459	31.4	30.1	0.0587	1.2163	-0.2686	1.0063	0.1965	0.9297	0.3662	1.4923
1460	30.5	30.2	0.0583	1.2158	-0.2693	1.0049	0.1928	0.9262	0.3804	1.4995
1461	30	30.1	0.0586	1.2146	-0.2693	1.004	0.1875	0.9198	0.3916	1.499
1462	30.5	30.2	0.0602	1.2136	-0.2697	1.0042	0.1861	0.9265	0.3983	1.5109
1463	29.4	30.2	0.0609	1.2133	-0.2715	1.0026	0.1939	0.9319	0.3883	1.5141
1464	30.1	30.3	0.0611	1.2135	-0.2728	1.0018	0.2137	0.9405	0.3725	1.5267
1465	30.5	30.3	0.0618	1.2134	-0.2743	1.0008	0.2831	0.9551	0.3464	1.5846
1466	30.1	30.3	0.0593	1.2122	-0.2738	0.9977	0.3508	0.9824	0.2194	1.5526
1467	28.6	30.3	0.0572	1.2114	-0.2727	0.9959	0.3602	0.9888	0.1702	1.5192
1468	30.3	30.2	0.0562	1.2103	-0.2722	0.9943	0.3237	0.9955	0.1827	1.502
1469	29.3	30.1	0.0566	1.2087	-0.2731	0.9922	0.3159	0.9954	0.1798	1.4911
1470	28.4	30.2	0.0588	1.2082	-0.2753	0.9918	0.3109	0.9806	0.1817	1.4733
1471	30.4	30.2	0.0591	1.2075	-0.2759	0.9907	0.2989	0.9746	0.1906	1.464

1472	31.2	30.2	0.0581	1.2069	-0.2759	0.9891	0.2939	0.9722	0.186	1.4522
1473	31.3	30.3	0.0566	1.2058	-0.2751	0.9873	0.2918	0.9683	0.1888	1.4488
1474	31.7	30.3	0.0563	1.2052	-0.2759	0.9855	0.2783	0.9673	0.1965	1.4421
1475	31.2	30.3	0.0537	1.2051	-0.2757	0.9831	0.267	0.9785	0.1959	1.4414
1476	30.3	30.2	0.0512	1.2045	-0.2753	0.9804	0.2663	0.9648	0.1964	1.4275
1477	29.3	30.3	0.05	1.2037	-0.2749	0.9787	0.2625	0.9756	0.1904	1.4286
1478	29.1	30.2	0.0494	1.2032	-0.2747	0.9779	0.2644	0.9779	0.1821	1.4244
1479	31.7	30.3	0.049	1.2023	-0.2753	0.9759	0.2484	0.9763	0.1831	1.4079
1480	30.4	30.3	0.0483	1.2013	-0.2759	0.9737	0.2333	0.9734	0.191	1.3977
1481	30.8	30.2	0.0474	1.198	-0.2752	0.9702	0.2288	0.9805	0.1882	1.3975
1482	31.4	30.1	0.0485	1.1963	-0.2756	0.9691	0.2262	0.9815	0.1783	1.386
1483	30.5	29.9	0.05	1.1961	-0.2772	0.9688	0.2092	0.9854	0.1708	1.3654
1484	28.9	29.8	0.0516	1.1949	-0.2789	0.9676	0.1861	0.9816	0.1692	1.3369
1485	29.1	29.7	0.0497	1.1941	-0.278	0.9657	0.1954	0.9798	0.1623	1.3375
1486	29.9	29.5	0.0506	1.1927	-0.2791	0.9642	0.2237	0.9553	0.1404	1.3194
1487	29.7	29.5	0.0524	1.192	-0.2807	0.9638	0.2397	0.9469	0.1285	1.315
1488	30.3	29.5	0.0537	1.1909	-0.2816	0.963	0.2497	0.956	0.1194	1.3251
1489	28.9	29.3	0.0515	1.1907	-0.2807	0.9615	0.2278	0.9715	0.1287	1.328
1490	28.3	29.2	0.0497	1.1894	-0.2798	0.9593	0.1915	0.9814	0.1499	1.3227
1491	28.8	29	0.0512	1.1882	-0.2808	0.9586	0.1736	0.9894	0.1766	1.3396
1492	28.3	28.9	0.0521	1.1879	-0.2825	0.9575	0.1556	0.9841	0.2062	1.3459
1493	28.6	28.8	0.0517	1.1872	-0.2829	0.956	0.1353	0.9877	0.2223	1.3454
1494	29.3	28.9	0.0509	1.1871	-0.2835	0.9545	0.113	1.0023	0.2231	1.3384
1495	27.9	28.9	0.0503	1.1867	-0.284	0.953	0.0984	1.0168	0.2119	1.3271
1496	28.5	28.9	0.0492	1.1863	-0.2837	0.9518	0.0843	1.0389	0.1884	1.3116
1497	28.5	28.9	0.0485	1.1852	-0.2836	0.95	0.0645	1.0424	0.1811	1.288
1498	29.3	28.8	0.0484	1.1854	-0.2847	0.9491	0.0456	1.0401	0.1795	1.2652
1499	27.1	28.8	0.0486	1.1843	-0.2855	0.9473	0.0366	1.0374	0.1751	1.2491
1500	27.8	28.8	0.0498	1.1822	-0.286	0.9461	0.0204	1.0252	0.1848	1.2303
1501	28.8	28.8	0.0501	1.1806	-0.287	0.9438	0.0091	1.0241	0.1935	1.2267
1502	29.8	28.8	0.0501	1.1781	-0.2868	0.9414	0.0046	0.9972	0.225	1.2267
1503	30.1	28.7	0.05	1.1759	-0.2869	0.939	0.0201	0.9769	0.2259	1.2229
1504	29.2	28.6	0.051	1.1733	-0.2869	0.9374	0.0402	0.9689	0.2156	1.2247
1505	29.2	28.6	0.0529	1.1719	-0.2874	0.9375	0.0251	0.9667	0.2078	1.1997
1506	29.8	28.6	0.0532	1.1707	-0.2879	0.936	0.0213	0.9764	0.2034	1.2011
1507	29.3	28.6	0.0537	1.1698	-0.2881	0.9353	0.029	0.9761	0.1992	1.2043
1508	28.3	28.5	0.0549	1.169	-0.2893	0.9346	0.0254	0.968	0.206	1.1994

1509	27.9	28.6	0.0559	1.1685	-0.2907	0.9338	0.0212	0.9673	0.2094	1.1978
1510	28.7	28.6	0.0569	1.1679	-0.2913	0.9335	0.0157	0.9692	0.2107	1.1956
1511	28.7	28.5	0.0576	1.1672	-0.292	0.9328	0.0159	0.9731	0.2022	1.1912
1512	27.5	28.4	0.0573	1.1665	-0.2924	0.9313	0.0197	0.9691	0.2042	1.193
1513	27.4	28.2	0.0556	1.1655	-0.2922	0.929	0.0371	0.9664	0.2084	1.2119
1514	27.6	28	0.0489	1.1641	-0.2917	0.9213	0.0545	0.9663	0.1925	1.2133
1515	27.9	27.9	0.0427	1.1605	-0.2803	0.9229	0.0695	0.9726	0.1831	1.2252
1516	28.5	27.8	0.0416	1.158	-0.2748	0.9248	0.0894	0.9857	0.1638	1.2389
1517	28.6	27.6	0.0439	1.1566	-0.2754	0.925	0.0758	0.985	0.1722	1.233
1518	28.6	27.6	0.0459	1.1554	-0.2757	0.9256	0.0585	0.9888	0.1826	1.2299
1519	27.8	27.6	0.047	1.1544	-0.2755	0.9259	0.0489	0.9921	0.1957	1.2367
1520	26.6	27.7	0.0482	1.1536	-0.2758	0.926	0.0483	1.0003	0.1958	1.2444
1521	27	27.7	0.0483	1.1536	-0.2762	0.9257	0.0718	1.0019	0.1783	1.2521
1522	26.8	27.7	0.048	1.153	-0.2769	0.9242	0.0646	1.0057	0.1896	1.2599
1523	26.5	27.7	0.0498	1.1518	-0.278	0.9236	0.0393	1.0055	0.2133	1.258
1524	27.1	27.7	0.0511	1.1503	-0.2791	0.9222	0.013	0.9993	0.2286	1.2409
1525	26.8	27.7	0.051	1.1501	-0.2799	0.9212	0.0124	1.0009	0.2226	1.2358
1526	27.2	27.6	0.0517	1.1484	-0.2799	0.9201	0.0021	1.0025	0.2271	1.2317
1527	27.4	27.6	0.0523	1.1474	-0.2801	0.9196	-0.0176	1.0013	0.2433	1.2271
1528	27.7	27.5	0.0533	1.1469	-0.281	0.9193	-0.0307	0.999	0.2572	1.2255
1529	29.8	27.5	0.0543	1.1462	-0.2814	0.919	-0.0451	1.0169	0.2633	1.2351
1530	29.4	27.6	0.0547	1.1442	-0.2807	0.9182	-0.055	1.0274	0.2508	1.2232
1531	27.7	27.5	0.0542	1.1436	-0.2798	0.918	-0.0649	1.0281	0.2403	1.2035
1532	27.6	27.6	0.0545	1.1419	-0.2793	0.9171	-0.0747	0.9976	0.2562	1.1791
1533	27.4	27.7	0.0546	1.1404	-0.2786	0.9163	-0.0674	0.9772	0.2686	1.1785
1534	27.9	27.8	0.0545	1.1393	-0.2789	0.9149	-0.0611	0.979	0.2568	1.1747
1535	26.3	27.9	0.0546	1.1386	-0.2792	0.914	-0.0349	0.9674	0.2448	1.1773
1536	28.2	28	0.0544	1.1389	-0.2799	0.9135	-0.0411	0.965	0.2512	1.1751
1537	27.2	28	0.0533	1.1379	-0.2795	0.9117	-0.031	0.9584	0.2486	1.176
1538	28.5	28.1	0.0542	1.1362	-0.2796	0.9108	-0.0268	0.9602	0.2468	1.1801
1539	27.3	28.1	0.0548	1.136	-0.2813	0.9096	-0.0128	0.9617	0.2384	1.1873
1540	26.9	28.1	0.0552	1.1359	-0.2832	0.9079	-0.0193	0.9749	0.2374	1.1929
1541	27.3	28.1	0.0553	1.1354	-0.2838	0.907	-0.0233	0.9747	0.239	1.1904
1542	28.2	28.2	0.0558	1.1336	-0.2836	0.9058	-0.0072	0.9797	0.2272	1.1997
1543	29.4	28.3	0.0566	1.1314	-0.2833	0.9048	0.0048	0.9976	0.2083	1.2106
1544	28.2	28.4	0.057	1.1295	-0.2824	0.9041	0.0135	0.9937	0.2047	1.2119
1545	29.3	28.6	0.0572	1.1274	-0.2813	0.9034	0.0151	0.9968	0.2055	1.2175

1546	28.3	28.6	0.0573	1.1271	-0.2817	0.9027	0.0157	1.0065	0.2051	1.2273
1547	29.5	28.8	0.0569	1.1273	-0.2832	0.901	0.0093	1.0142	0.2145	1.238
1548	29.5	28.9	0.0557	1.1267	-0.2832	0.8992	-0.0031	1.0125	0.2188	1.2282
1549	28.6	29	0.0552	1.127	-0.2833	0.8989	-0.0138	1.0287	0.215	1.2299
1550	28.2	29.1	0.0557	1.1261	-0.2843	0.8975	-0.0247	1.0383	0.2055	1.219
1551	29.2	29.2	0.0559	1.1268	-0.2864	0.8963	-0.0178	1.0223	0.211	1.2155
1552	29.6	29.3	0.0556	1.126	-0.2863	0.8953	-0.0178	1.0068	0.2086	1.1976
1553	29.9	29.4	0.0534	1.1255	-0.2862	0.8926	-0.0192	0.9903	0.2214	1.1925
1554	29.5	29.6	0.0543	1.1239	-0.2867	0.8915	-0.0103	0.9847	0.2131	1.1874
1555	29.8	29.5	0.0553	1.1223	-0.2871	0.8905	0.0126	0.9595	0.2135	1.1856
1556	30.6	29.6	0.0558	1.1216	-0.2879	0.8895	0.0373	0.9481	0.2167	1.2022
1557	30.1	29.7	0.0565	1.1213	-0.289	0.8888	0.0405	0.9438	0.2223	1.2066
1558	28.5	29.9	0.0569	1.1204	-0.2894	0.888	0.0403	0.9499	0.2287	1.2189
1559	28.9	30	0.0571	1.1194	-0.2897	0.8868	0.0483	0.962	0.2052	1.2155
1560	29	30.2	0.0567	1.1185	-0.2895	0.8857	0.0647	0.9622	0.1764	1.2033
1561	30.6	30.2	0.0567	1.1177	-0.2897	0.8847	0.0785	0.9563	0.1709	1.2057
1562	31.5	30.4	0.0565	1.117	-0.2905	0.883	0.0719	0.9562	0.1775	1.2056
1563	30.9	30.4	0.0554	1.1166	-0.2908	0.8812	0.0738	0.965	0.1752	1.2141
1564	29.2	30.4	0.0541	1.1162	-0.2911	0.8792	0.0769	0.9603	0.1796	1.2167
1565	29.5	30.5	0.0528	1.1148	-0.2907	0.8769	0.0194	0.9473	0.1855	1.1522
1566	31.9	30.4	0.0518	1.1137	-0.291	0.8744	-0.0491	0.9144	0.3056	1.1709
1567	32.2	30.4	0.0514	1.1125	-0.291	0.8729	-0.0589	0.8904	0.371	1.2025
1568	31.4	30.5	0.0513	1.1111	-0.2918	0.8706	-0.0423	0.8885	0.3678	1.214
1569	30.6	30.6	0.0518	1.1087	-0.2927	0.8678	-0.0417	0.8839	0.3908	1.233
1570	30.8	30.6	0.0516	1.1081	-0.2931	0.8666	-0.0424	0.88	0.4031	1.2407
1571	32.1	30.7	0.0526	1.107	-0.2949	0.8647	-0.0358	0.8759	0.4096	1.2497
1572	31	30.6	0.0541	1.1064	-0.2972	0.8633	-0.0403	0.8802	0.4115	1.2514
1573	29.7	30.5	0.0553	1.1059	-0.298	0.8632	-0.0583	0.8837	0.4056	1.231
1574	30.3	30.4	0.055	1.1051	-0.2982	0.862	-0.0549	0.8802	0.398	1.2233
1575	29.8	30.3	0.0534	1.1048	-0.2984	0.8599	-0.0406	0.8689	0.3867	1.2151
1576	29.4	30.2	0.053	1.1044	-0.2996	0.8577	-0.0272	0.8703	0.3787	1.2218
1577	30.5	30.2	0.053	1.1038	-0.3006	0.8562	0.0073	0.8569	0.3669	1.2311
1578	30.3	30.1	0.0539	1.1015	-0.301	0.8544	0.0274	0.8588	0.3537	1.2399
1579	29.7	30	0.0545	1.0996	-0.3004	0.8536	0.0344	0.8604	0.3458	1.2405
1580	31.8	29.9	0.0548	1.0985	-0.2999	0.8533	0.042	0.8641	0.3451	1.2512
1581	29.8	29.7	0.0549	1.0982	-0.3009	0.8522	0.0419	0.852	0.3548	1.2487
1582	29.2	29.5	0.0552	1.0986	-0.3025	0.8513	0.0082	0.8568	0.3791	1.2441

1583	27.8	29.5	0.0561	1.0982	-0.3029	0.8513	0.0076	0.8492	0.4016	1.2584
1584	28.2	29.4	0.0551	1.0981	-0.3033	0.8499	0.009	0.8417	0.4118	1.2625
1585	30	29.4	0.0538	1.0976	-0.3031	0.8482	0.008	0.8394	0.4126	1.26
1586	31	29.4	0.0538	1.0968	-0.304	0.8466	0.0103	0.8361	0.4222	1.2686
1587	29.3	29.3	0.0551	1.096	-0.3053	0.8458	0.0147	0.8536	0.4219	1.2903
1588	29	29.1	0.055	1.0948	-0.3055	0.8442	0.0063	0.854	0.438	1.2984
1589	29.5	29.2	0.0534	1.0932	-0.3045	0.8422	0.0201	0.8375	0.4336	1.2913
1590	28	28.9	0.052	1.092	-0.3037	0.8403	0.0443	0.8464	0.4038	1.2946
1591	28	28.9	0.0519	1.0903	-0.3035	0.8386	0.0695	0.8577	0.3757	1.3029
1592	28.7	28.9	0.0517	1.0881	-0.3033	0.8365	0.085	0.8643	0.37	1.3194
1593	29.4	28.8	0.0504	1.0878	-0.3034	0.8348	0.095	0.8538	0.3742	1.323
1594	29.3	28.8	0.0494	1.0874	-0.304	0.8328	0.1039	0.8376	0.3787	1.3202
1595	30.1	28.7	0.0487	1.0861	-0.3045	0.8303	0.1052	0.8275	0.3914	1.3241
1596	27.7	28.5	0.0483	1.0848	-0.3051	0.828	0.0954	0.8143	0.4117	1.3214
1597	27.4	28.4	0.0488	1.0839	-0.3055	0.8272	0.1058	0.8233	0.4009	1.33
1598	30.6	28.3	0.0498	1.0825	-0.3062	0.8261	0.1116	0.8394	0.3922	1.3433
1599	27.1	28.2	0.051	1.0805	-0.3061	0.8254	0.0871	0.8368	0.4159	1.3397
1600	28.4	28.1	0.0516	1.08	-0.3071	0.8246	0.087	0.8475	0.4153	1.3498
1601	29.1	28	0.0519	1.0799	-0.3078	0.824	0.0988	0.8525	0.408	1.3593
1602	27	27.9	0.0521	1.0791	-0.309	0.8222	0.0948	0.8612	0.3892	1.3453
1603	27.1	27.8	0.051	1.0775	-0.3082	0.8203	0.0991	0.8639	0.3901	1.3531
1604	27.8	27.6	0.0498	1.0774	-0.3083	0.8188	0.0993	0.8653	0.3915	1.356
1605	28.7	27.4	0.0492	1.0771	-0.3091	0.8172	0.1114	0.8676	0.3988	1.3779
1606	27.4	27.3	0.0492	1.0764	-0.3101	0.8154	0.1009	0.8743	0.42	1.3951
1607	26.9	27.2	0.0497	1.0748	-0.311	0.8134	0.0899	0.8747	0.4292	1.3938
1608	26.5	27	0.0501	1.0728	-0.3098	0.813	0.0921	0.8787	0.4239	1.3947
1609	25.8	27	0.0494	1.0723	-0.3083	0.8134	0.0813	0.8802	0.4269	1.3884
1610	26.7	27	0.049	1.0723	-0.3084	0.8129	0.0705	0.878	0.4187	1.3672
1611	26.8	26.9	0.0504	1.0716	-0.3098	0.8122	0.0689	0.8809	0.4107	1.3604
1612	28	27	0.0499	1.07	-0.3099	0.8099	0.0682	0.8944	0.411	1.3735
1613	26	27.1	0.0479	1.0695	-0.3102	0.8073	0.0574	0.9	0.4053	1.3628
1614	24.8	27.1	0.047	1.0694	-0.3103	0.8061	0.0394	0.9001	0.4078	1.3474
1615	26.9	27.1	0.0476	1.0691	-0.3109	0.8058	0.0222	0.9052	0.4071	1.3345
1616	25.4	27.1	0.0475	1.069	-0.3119	0.8046	0.0054	0.8951	0.4147	1.3152
1617	27.5	27.2	0.0481	1.0677	-0.3122	0.8036	-0.005	0.8813	0.4108	1.2871
1618	26.9	27.3	0.0501	1.067	-0.3148	0.8023	-0.0129	0.8734	0.4161	1.2766
1619	28.1	27.4	0.0512	1.0664	-0.3158	0.8019	-0.0154	0.8643	0.4116	1.2605

1620	27	27.4	0.0518	1.0661	-0.3168	0.8011	-0.0106	0.8573	0.4034	1.2501
1621	28.3	27.5	0.0524	1.0656	-0.3173	0.8006	-0.0115	0.8579	0.4082	1.2546
1622	29.3	27.4	0.0539	1.0646	-0.3174	0.8011	-0.0047	0.8521	0.3983	1.2457
1623	28	27.5	0.0553	1.0637	-0.3178	0.8012	0.0048	0.8565	0.3861	1.2473
1624	28.4	27.7	0.0551	1.0634	-0.3178	0.8007	0.0139	0.8573	0.3864	1.2576
1625	27.4	27.7	0.0537	1.0631	-0.3177	0.799	0.011	0.8549	0.3854	1.2513
1626	28.2	27.8	0.051	1.0627	-0.3166	0.797	-0.0015	0.8594	0.3778	1.2356
1627	29	27.8	0.0496	1.0615	-0.3155	0.7956	-0.0061	0.8577	0.3652	1.2168
1628	27.1	28	0.0499	1.0609	-0.3155	0.7952	-0.0008	0.8566	0.3573	1.2131
1629	27.2	28	0.0501	1.0598	-0.3159	0.7939	0.0207	0.8393	0.3598	1.2197
1630	28.8	28.1	0.0506	1.059	-0.3162	0.7933	0.0275	0.8354	0.3723	1.2352
1631	26.1	28.1	0.0534	1.0579	-0.3177	0.7936	0.0267	0.8419	0.3856	1.2542
1632	27.1	28.1	0.0537	1.057	-0.3194	0.7913	0.0197	0.8491	0.381	1.2498
1633	29.5	28.1	0.0537	1.0562	-0.3198	0.7901	0.019	0.8643	0.3709	1.2542
1634	26.4	28	0.0537	1.0554	-0.3201	0.7889	0.0204	0.8639	0.3716	1.2558
1635	27.6	28.1	0.0536	1.055	-0.3214	0.7871	0.0059	0.872	0.3671	1.2449
1636	28.5	28	0.053	1.0535	-0.3221	0.7845	-0.0092	0.8734	0.3749	1.2391
1637	29.7	28	0.0526	1.0525	-0.3233	0.7818	-0.0103	0.8735	0.3744	1.2376
1638	29	28.1	0.0522	1.0524	-0.323	0.7817	0.0055	0.8702	0.3639	1.2396
1639	28.5	28.1	0.0504	1.0514	-0.3216	0.7801	0.0056	0.8581	0.3699	1.2336
1640	28.3	28.1	0.0483	1.0501	-0.3208	0.7776	-0.0067	0.8455	0.388	1.2268
1641	28.4	28.1	0.0468	1.049	-0.3208	0.775	-0.0136	0.8448	0.3966	1.2278
1642	27.8	28.2	0.0463	1.0483	-0.3211	0.7735	-0.0091	0.8386	0.3975	1.227
1643	27.9	28	0.0462	1.0477	-0.3211	0.7728	-0.0065	0.8231	0.4046	1.2211
1644	27.9	28	0.0464	1.0467	-0.3215	0.7716	-0.0163	0.8297	0.416	1.2293
1645	27.9	28.1	0.0477	1.046	-0.3225	0.7712	-0.019	0.84	0.41	1.231
1646	28.2	28	0.0467	1.0447	-0.3218	0.7697	-0.018	0.8366	0.4058	1.2244
1647	28.8	27.9	0.0457	1.0433	-0.3224	0.7667	-0.0159	0.842	0.4007	1.2269
1648	27.7	27.9	0.047	1.0431	-0.3248	0.7652	0.0026	0.8475	0.3963	1.2464
1649	27.8	27.8	0.0465	1.0422	-0.3248	0.7639	0.0284	0.8495	0.3911	1.269
1650	27.7	27.8	0.0458	1.0409	-0.3251	0.7616	0.0452	0.8503	0.3958	1.2913
1651	27.3	27.6	0.0465	1.0407	-0.3253	0.7618	0.0466	0.886	0.3804	1.313
1652	27	27.7	0.0457	1.0396	-0.3253	0.76	0.0552	0.9001	0.3681	1.3235
1653	26.3	27.6	0.0435	1.0389	-0.3254	0.757	0.0617	0.9027	0.3669	1.3313
1654	28.3	27.6	0.0432	1.0371	-0.3266	0.7537	0.051	0.8989	0.3831	1.333
1655	27.9	27.6	0.0452	1.0349	-0.3291	0.751	0.0357	0.9131	0.3805	1.3293
1656	28	27.5	0.0468	1.0341	-0.3308	0.7501	0.0354	0.925	0.3734	1.3337

1657	28.5	27.5	0.0473	1.0335	-0.3314	0.7494	0.0422	0.9236	0.3713	1.3371
1658	27.1	27.4	0.0488	1.0324	-0.3321	0.7491	0.049	0.9159	0.3696	1.3345
1659	27	27.4	0.05	1.0316	-0.3315	0.7501	0.052	0.8986	0.3903	1.3409
1660	26	27.3	0.0499	1.0304	-0.3306	0.7497	0.0442	0.8962	0.4107	1.351
1661	28.2	27.3	0.0499	1.0283	-0.3308	0.7473	0.0373	0.8988	0.4094	1.3455
1662	26.7	27.3	0.0508	1.027	-0.3311	0.7467	0.0378	0.9114	0.3895	1.3387
1663	27.6	27.3	0.0515	1.0266	-0.3316	0.7465	0.0245	0.9136	0.3897	1.3278
1664	28.2	27.3	0.0519	1.0257	-0.3318	0.7458	0.0014	0.9185	0.3877	1.3076
1665	27.2	27.2	0.0523	1.0253	-0.3322	0.7454	-0.0169	0.9278	0.3878	1.2987
1666	27.3	27.1	0.0523	1.0255	-0.3321	0.7457	-0.0108	0.923	0.3829	1.2951
1667	27.4	27	0.0526	1.0252	-0.3326	0.7452	-0.0103	0.9121	0.3789	1.2807
1668	26.3	27	0.0528	1.0247	-0.3329	0.7446	-0.013	0.9019	0.3826	1.2715
1669	27	27	0.0529	1.023	-0.333	0.7428	-0.0041	0.907	0.3614	1.2644
1670	27.5	27	0.0528	1.0223	-0.3339	0.7411	0.0037	0.9126	0.3539	1.2702
1671	26.8	26.9	0.0531	1.0218	-0.3347	0.7401	0.007	0.9199	0.3476	1.2745
1672	26.5	27	0.0537	1.0207	-0.3358	0.7386	0.0108	0.9213	0.3488	1.2809
1673	26.6	26.9	0.0539	1.0202	-0.3366	0.7375	0.0287	0.9161	0.352	1.2968
1674	26.1	26.9	0.0539	1.0196	-0.3367	0.7368	0.0447	0.9166	0.3506	1.3119
1675	26.1	27	0.0536	1.0189	-0.3362	0.7363	0.0468	0.9152	0.359	1.321
1676	27.8	27.1	0.0536	1.0186	-0.3361	0.7361	0.03	0.9177	0.3663	1.314
1677	27.3	27.2	0.0531	1.0181	-0.3364	0.7349	0.0016	0.9181	0.3798	1.2994
1678	26.4	27.3	0.0519	1.0176	-0.337	0.7324	-0.0144	0.9192	0.3837	1.2885
1679	25.4	27.3	0.0517	1.016	-0.3377	0.7301	-0.0118	0.9214	0.393	1.3026
1680	27.5	27.4	0.0521	1.0143	-0.3385	0.7279	-0.0148	0.9146	0.399	1.2989
1681	27.1	27.5	0.0529	1.0133	-0.339	0.7273	-0.0178	0.9107	0.4025	1.2954
1682	27.3	27.6	0.0533	1.0122	-0.3396	0.7259	0.0049	0.906	0.3883	1.2992
1683	28.2	27.7	0.054	1.0118	-0.3401	0.7258	0.0012	0.9034	0.3753	1.2798
1684	27.8	27.9	0.0545	1.0109	-0.3401	0.7254	-0.0035	0.9008	0.3754	1.2727
1685	28.7	28.1	0.0547	1.0102	-0.3406	0.7243	-0.0045	0.9011	0.3736	1.2702
1686	29.4	28.2	0.0548	1.0095	-0.3414	0.7228	-0.0051	0.9027	0.3622	1.2597
1687	28.9	28.3	0.0546	1.009	-0.3417	0.7218	-0.0091	0.8918	0.3632	1.2459
1688	28	28.4	0.0544	1.009	-0.3425	0.7209	-0.0043	0.8878	0.3529	1.2364
1689	28.3	28.7	0.0541	1.0087	-0.3433	0.7195	-0.0026	0.8882	0.357	1.2426
1690	28.9	28.7	0.0534	1.0075	-0.3434	0.7175	0.0016	0.8767	0.3766	1.2549
1691	28.2	28.8	0.0528	1.0064	-0.3433	0.7159	-0.0048	0.8717	0.3908	1.2577
1692	28.9	28.8	0.0523	1.0058	-0.3438	0.7143	-0.0079	0.9011	0.3786	1.2718
1693	30	28.8	0.052	1.0049	-0.345	0.7119	-0.0045	0.9073	0.3757	1.2785

1694	30.1	28.8	0.0513	1.0034	-0.345	0.7097	0.0015	0.9155	0.3815	1.2985
1695	29.8	28.8	0.0505	1.0024	-0.3451	0.7078	0.0008	0.9348	0.3826	1.3183
1696	28.2	28.7	0.0498	1.0006	-0.3452	0.7053	0.0238	0.944	0.3725	1.3403
1697	29.2	28.7	0.0485	0.9992	-0.3451	0.7026	0.0182	0.9515	0.3844	1.3541
1698	30.7	28.8	0.0469	0.9976	-0.3453	0.6992	0.0114	0.9539	0.3851	1.3504
1699	27.9	28.8	0.0465	0.9954	-0.3456	0.6963	0.0228	0.9611	0.3649	1.3488
1700	28	28.6	0.047	0.9914	-0.3451	0.6933	0.017	0.9657	0.3668	1.3494
1701	28.2	28.6	0.0464	0.9899	-0.3446	0.6917	0.0105	0.9662	0.3682	1.3449
1702	28.1	28.5	0.0459	0.9888	-0.3457	0.689	0.0136	0.9719	0.3681	1.3537
1703	28	28.3	0.0459	0.9876	-0.3465	0.687	0.0016	0.9674	0.3697	1.3386
1704	27.8	28.2	0.0462	0.9861	-0.3463	0.6859	-0.019	0.9753	0.3725	1.3288
1705	27.3	28.1	0.0457	0.9846	-0.3464	0.6839	-0.0203	0.9751	0.362	1.3168
1706	29.6	28.1	0.0449	0.984	-0.3473	0.6817	-0.0053	0.9624	0.3339	1.291
1707	29	28	0.0448	0.9832	-0.348	0.68	0.0055	0.971	0.2926	1.2691
1708	28.6	27.8	0.0449	0.9829	-0.3489	0.6789	0.0026	0.9746	0.281	1.2582
1709	25.8	27.9	0.045	0.9827	-0.3494	0.6783	0.0106	0.9621	0.2718	1.2446
1710	28.2	27.8	0.0453	0.9824	-0.3493	0.6784	0.0183	0.9633	0.2742	1.2557
1711	26.9	27.8	0.0466	0.9804	-0.3487	0.6784	0.0039	0.9681	0.281	1.2529
1712	26.4	27.8	0.0474	0.9786	-0.3489	0.6771	-0.0074	0.9602	0.2754	1.2283
1713	28.1	27.9	0.0478	0.9777	-0.3489	0.6765	-0.0053	0.9516	0.2698	1.2162
1714	27	28.1	0.0487	0.9766	-0.3491	0.6762	-0.0044	0.945	0.266	1.2067
1715	28.2	28.1	0.0487	0.9768	-0.3492	0.6763	-0.0057	0.9244	0.2722	1.1909
1716	28.3	28.2	0.0486	0.9777	-0.3498	0.6765	-0.0072	0.9118	0.2727	1.1772
1717	27.6	28.1	0.0494	0.9775	-0.3505	0.6765	-0.0131	0.9108	0.2797	1.1775
1718	28	28.1	0.0505	0.9763	-0.3509	0.6759	-0.0136	0.9077	0.2832	1.1773
1719	27.5	28.3	0.0509	0.9752	-0.3512	0.6748	-0.0061	0.9029	0.2858	1.1826
1720	28.1	28.3	0.0511	0.9741	-0.3515	0.6736	0.0096	0.8905	0.2897	1.1897
1721	28.6	28.3	0.0513	0.9734	-0.3522	0.6725	0.0256	0.8977	0.2855	1.2088
1722	29.9	28.5	0.051	0.973	-0.3527	0.6714	0.032	0.9039	0.2861	1.222
1723	30.1	28.5	0.0508	0.9721	-0.3529	0.67	0.0365	0.8915	0.277	1.2049
1724	28.5	28.6	0.0504	0.9719	-0.3537	0.6686	0.043	0.8891	0.2728	1.2049
1725	30.1	28.7	0.0507	0.9713	-0.3544	0.6676	0.0396	0.9012	0.2763	1.2171
1726	28.2	28.7	0.0508	0.9709	-0.3546	0.6671	0.0336	0.9004	0.2851	1.2191
1727	28.3	28.8	0.051	0.9696	-0.3539	0.6667	0.036	0.9016	0.2936	1.2312
1728	29.7	28.9	0.0511	0.9687	-0.3548	0.665	0.0324	0.9047	0.2966	1.2338
1729	28.1	29.1	0.0516	0.9683	-0.3558	0.664	0.0159	0.9046	0.2985	1.219
1730	28	29.1	0.0523	0.9679	-0.3564	0.6638	0.0116	0.8935	0.297	1.2021

1731	29	29.1	0.0529	0.9673	-0.3566	0.6637	0.02	0.8785	0.2911	1.1896
1732	29	29.1	0.0536	0.9666	-0.3569	0.6633	0.0353	0.8718	0.2877	1.1949
1733	29	29	0.054	0.9661	-0.3573	0.6628	0.0477	0.8672	0.2826	1.1974
1734	29.8	29.1	0.0542	0.9653	-0.3575	0.6619	0.0563	0.8696	0.2848	1.2106
1735	28.8	29.1	0.0541	0.9647	-0.3577	0.6612	0.0598	0.8662	0.2867	1.2126
1736	29	29.2	0.0539	0.9644	-0.3584	0.6599	0.0644	0.8711	0.2826	1.2181
1737	30.3	29.2	0.0531	0.9637	-0.3586	0.6582	0.0649	0.8819	0.2782	1.2251
1738	29.6	29.2	0.0525	0.9636	-0.3587	0.6574	0.052	0.8868	0.2872	1.226
1739	29.8	29.2	0.0502	0.9637	-0.3593	0.6546	0.0482	0.8898	0.2883	1.2264
1740	28.6	29.2	0.0488	0.9629	-0.3599	0.6519	0.0516	0.8957	0.2833	1.2307
1741	28.9	29.3	0.0476	0.9589	-0.3586	0.6478	0.0453	0.8933	0.2822	1.2208
1742	29	29.4	0.0468	0.9575	-0.3586	0.6457	0.0374	0.891	0.2829	1.2113
1743	29.6	29.4	0.0461	0.9561	-0.3593	0.6429	0.0312	0.8888	0.2835	1.2035
1744	30.4	29.4	0.0464	0.9532	-0.3598	0.6398	0.0409	0.8857	0.275	1.2016
1745	29.4	29.4	0.0453	0.9516	-0.3597	0.6372	0.0507	0.8856	0.2777	1.214
1746	28.8	29.5	0.0449	0.9496	-0.3602	0.6342	0.0535	0.884	0.2841	1.2217
1747	29	29.4	0.0446	0.9479	-0.3609	0.6316	0.0539	0.8708	0.289	1.2137
1748	28.9	29.2	0.0447	0.947	-0.3613	0.6304	0.0458	0.8694	0.2929	1.208
1749	28.6	29.1	0.0448	0.9457	-0.3615	0.629	0.0409	0.8663	0.2947	1.2019
1750	29.7	29	0.0448	0.9443	-0.362	0.6271	0.0488	0.8564	0.2962	1.2014
1751	30.7	28.9	0.0451	0.9435	-0.3621	0.6264	0.0631	0.8343	0.3102	1.2075
1752	29.6	28.7	0.0455	0.9429	-0.3623	0.6261	0.0577	0.8277	0.318	1.2034
1753	29	28.6	0.0454	0.9414	-0.3626	0.6241	0.0535	0.8248	0.3108	1.189
1754	29.8	28.4	0.0452	0.9396	-0.3628	0.6221	0.0541	0.8207	0.3052	1.1799
1755	30.2	28.2	0.0458	0.9387	-0.3625	0.6219	0.0578	0.8134	0.3102	1.1813
1756	29	28.1	0.0463	0.937	-0.3601	0.6232	0.0527	0.807	0.3124	1.1721
1757	26.6	28	0.047	0.936	-0.3595	0.6236	0.0455	0.8089	0.3069	1.1612
1758	27.5	27.9	0.0477	0.9362	-0.3593	0.6247	0.0446	0.8087	0.3025	1.1558
1759	26.9	27.9	0.0482	0.9352	-0.359	0.6245	0.046	0.8146	0.2961	1.1567
1760	26.5	27.7	0.0495	0.9336	-0.3587	0.6244	0.0477	0.8213	0.2938	1.1628
1761	25.7	27.6	0.0506	0.9322	-0.3583	0.6245	0.0515	0.827	0.2979	1.1765
1762	26.7	27.6	0.0513	0.9318	-0.3581	0.6251	0.0671	0.8142	0.3079	1.1892
1763	26.3	27.6	0.0519	0.9321	-0.3582	0.6258	0.0769	0.8027	0.3093	1.1889
1764	25.5	27.5	0.0525	0.9332	-0.359	0.6267	0.082	0.8012	0.3124	1.1955
1765	26.8	27.4	0.053	0.9341	-0.3595	0.6277	0.0929	0.7983	0.3144	1.2057
1766	27.3	27.3	0.0536	0.9345	-0.36	0.628	0.0943	0.8098	0.3168	1.221
1767	27.6	27.5	0.054	0.9344	-0.3609	0.6275	0.094	0.8306	0.3134	1.2379

1768	27.8	27.5	0.0534	0.9344	-0.3615	0.6263	0.1055	0.8381	0.3092	1.2529
1769	27.5	27.6	0.0519	0.9339	-0.362	0.6238	0.12	0.8333	0.3075	1.2608
1770	27.7	27.6	0.0502	0.9325	-0.3624	0.6202	0.1259	0.8297	0.3078	1.2634
1771	29.7	27.8	0.0499	0.9314	-0.3633	0.6179	0.1304	0.8262	0.3074	1.264
1772	30	28	0.05	0.9316	-0.3635	0.6181	0.1343	0.8286	0.3025	1.2655
1773	27.7	28.2	0.0496	0.9313	-0.3639	0.617	0.1326	0.834	0.3008	1.2675
1774	28.1	28.5	0.05	0.9295	-0.3643	0.6151	0.132	0.8327	0.302	1.2667
1775	27.6	28.6	0.0502	0.9289	-0.3647	0.6144	0.1288	0.8412	0.2949	1.2649
1776	29.3	28.7	0.05	0.9285	-0.3655	0.6129	0.1337	0.8448	0.2899	1.2684
1777	28.7	28.9	0.0499	0.9276	-0.366	0.6115	0.1371	0.8502	0.2909	1.2782
1778	27.4	29.1	0.0503	0.9271	-0.3669	0.6105	0.1417	0.8445	0.3046	1.2909
1779	27.8	29.2	0.0505	0.9267	-0.3674	0.6098	0.1444	0.8441	0.2955	1.284
1780	28.9	29.3	0.0501	0.9264	-0.3676	0.6089	0.1536	0.85	0.2855	1.2891
1781	30	29.3	0.0494	0.9261	-0.3677	0.6078	0.1668	0.8561	0.2813	1.3041
1782	30.5	29.2	0.0485	0.9255	-0.3679	0.6061	0.1774	0.8603	0.2833	1.3211
1783	30.5	29.4	0.0484	0.9249	-0.3686	0.6047	0.1901	0.8628	0.2819	1.3348
1784	29.4	29.5	0.0486	0.9243	-0.3687	0.6041	0.1999	0.8679	0.2801	1.3478
1785	30.1	29.6	0.0483	0.9231	-0.3689	0.6025	0.2045	0.8682	0.2819	1.3546
1786	30.9	29.5	0.0483	0.9213	-0.3693	0.6003	0.2065	0.8734	0.2839	1.3638
1787	30.6	29.6	0.0494	0.9203	-0.3705	0.5992	0.2064	0.8812	0.2773	1.3649
1788	30.3	29.7	0.0496	0.92	-0.3713	0.5982	0.1969	0.8844	0.2788	1.3601
1789	29	29.8	0.0489	0.9191	-0.3716	0.5964	0.1907	0.8969	0.2815	1.3692
1790	29.8	29.8	0.0488	0.9182	-0.3716	0.5954	0.1569	0.9134	0.2755	1.3458
1791	29	29.7	0.0491	0.9173	-0.3716	0.5948	0.1353	0.9163	0.2708	1.3224
1792	30.4	29.6	0.0492	0.9169	-0.3721	0.594	0.1179	0.8624	0.2966	1.2769
1793	29.6	29.6	0.0479	0.9163	-0.3725	0.5917	0.1051	0.8546	0.3014	1.2611
1794	29.4	29.4	0.0462	0.9149	-0.3728	0.5883	0.095	0.8449	0.2954	1.2354
1795	28.7	29.3	0.0452	0.914	-0.3735	0.5857	0.1018	0.808	0.2921	1.2018
1796	29.5	29.3	0.0445	0.9136	-0.3741	0.5839	0.0848	0.793	0.2984	1.1762
1797	30.3	29.1	0.0439	0.9123	-0.3744	0.5818	0.0786	0.7705	0.2942	1.1433
1798	29.3	29.2	0.0428	0.911	-0.3748	0.579	0.074	0.7541	0.2871	1.1152
1799	29.4	28.7	0.0416	0.9098	-0.3753	0.5762	0.0778	0.7498	0.285	1.1126
1800	27.4	27.4	0.0407	0.908	-0.3761	0.5725	0.0814	0.7393	0.2864	1.1071