

Company information:	
Name:	LandTest Limited
Address:	300 Cashel Street
Zip code:	8011
City:	Christchurch
P.IVA:	
E-Mail:	info@landtest.co.nz
Phone number:	0800 837837
Fax number:	
Site information:	
Name:	Blind Creek
Date:	14/02/2017
Commissioner:	Marlborough DC
Locality:	Blenheim
Test information:	
Name:	BC2
Location:	BC2
Date:	14/02/2017
Prehole mode:	
Prehole depth [cm]:	0
Hydrostatic line [cm]:	0
Ground level [m]:	0
Latitude:	-41.440568
Longitude:	173.97751
Operator:	Gray Lewis
Comments:	
Probe code:	MKJ330



LandTest

subsurface **ground** investigation

	Qc	Fs	Speed	U2	Tilt	a Factor					
Factors:	192460	31343	10	16925	150151	0.8					
Zeros:	2263	3757	0	15880	5002						
Depth [m]	Qc [MPa]	Fs [KPa]	U2 [KPa]	Rf [%]	U2/Qc [%]	Qc-U2 [MPa]	Tilt [°]	Dist [cm]	Speed [cm/sec]	Qt [MPa]	U2-U0 [KPa]
0.01	0.01	0	-3.49	0	-34.9	0.01349	1.2	0.020942	0	0.009302	-3.5881
0.02	0.74	0.35	13.35	0.047297	1.804054	0.72665	1.2	0.041885	1.5	0.74267	13.1538
0.03	1.13	0.38	13.12	0.033628	1.161062	1.11688	1.2	0.062827	1.5	1.132624	12.8257
0.04	1.41	0.45	13.41	0.031915	0.951064	1.39659	1.2	0.08377	1.9	1.412682	13.0176
0.05	1.69	0.7	13.23	0.04142	0.78284	1.67677	1.2	0.104712	1.9	1.692646	12.7395
0.06	1.94	0.73	12.53	0.037629	0.645876	1.92747	1.2	0.125655	2	1.942506	11.9414
0.07	2.51	0.73	9.51	0.029084	0.378884	2.50049	1.2	0.146597	2	2.511902	8.8233
0.08	2.82	1.47	7.8	0.052128	0.276596	2.8122	1.2	0.167539	2.1	2.82156	7.0152
0.09	3.02	5.33	5.08	0.17649	0.168212	3.01492	1.1	0.186737	2.1	3.021016	4.1971
0.1	2.68	5.9	2.6	0.220149	0.097015	2.6774	1.1	0.205934	2	2.68052	1.619
0.11	2.36	42.27	2.78	1.791102	0.117797	2.35722	1.1	0.225132	2	2.360556	1.7009
0.12	2.49	34.9	2.54	1.401606	0.102008	2.48746	1.1	0.244329	2.1	2.490508	1.3628
0.13	2.62	32.29	2.25	1.232443	0.085878	2.61775	1.1	0.263527	2.1	2.62045	0.9747
0.14	2.73	31.59	2.07	1.157143	0.075824	2.72793	1.1	0.282724	2.2	2.730414	0.6966
0.15	2.84	33.05	1.95	1.163732	0.068662	2.83805	1.1	0.301921	2.2	2.84039	0.4785
0.16	3.08	40.93	1.65	1.328896	0.053571	3.07835	1.1	0.321119	2.1	3.08033	0.0804
0.17	3.19	42.75	1.54	1.340125	0.048276	3.18846	1.1	0.340316	2.1	3.190308	-0.1277
0.18	3.31	45.24	1.42	1.366767	0.0429	3.30858	1.1	0.359514	2.1	3.310284	-0.3458
0.19	3.46	44.7	1.42	1.291908	0.04104	3.45858	1.1	0.378711	2.1	3.460284	-0.4439
0.2	3.63	45.18	1.3	1.244628	0.035813	3.6287	1.1	0.397909	2.1	3.63026	-0.662
0.21	3.79	45.53	1.18	1.201319	0.031135	3.78882	1.1	0.417106	2.1	3.790236	-0.8801
0.22	4	43.3	1.12	1.0825	0.028	3.99888	1.1	0.436304	2	4.000224	-1.0382
0.23	4.2	40.58	1.06	0.96619	0.025238	4.19894	1.1	0.455501	2	4.200212	-1.1963
0.24	4.6	41.54	1	0.903043	0.021739	4.599	1.2	0.476443	2	4.6002	-1.3544
0.25	4.74	38.51	0.95	0.812447	0.020042	4.73905	1.1	0.495641	2.1	4.74019	-1.5025
0.26	4.86	40.04	0.89	0.823868	0.018313	4.85911	1.1	0.514838	2.1	4.860178	-1.6606
0.27	4.94	41.44	0.83	0.838866	0.016802	4.93917	1.1	0.534036	2.1	4.940166	-1.8187
0.28	4.96	42.78	0.83	0.8625	0.016734	4.95917	1.1	0.553233	2.1	4.960166	-1.9168
0.29	4.97	43.9	0.77	0.8833	0.015493	4.96923	1.1	0.572431	2	4.970154	-2.0749
0.3	4.96	45.91	0.71	0.925605	0.014315	4.95929	1.1	0.591628	2	4.960142	-2.233
0.31	4.85	49.07	0.59	1.011753	0.012165	4.84941	1.1	0.610826	2.1	4.850118	-2.4511
0.32	4.8	51.78	0.53	1.07875	0.011042	4.79947	1.1	0.630023	2.1	4.800106	-2.6092
0.33	4.73	54.14	0.41	1.144609	0.008668	4.72959	1.1	0.64922	2.1	4.730082	-2.8273
0.34	4.63	56.57	0.47	1.221814	0.010151	4.62953	1.1	0.668418	2.1	4.630094	-2.8654
0.35	4.56	58.64	0.41	1.285965	0.008991	4.55959	1.1	0.687615	2.1	4.560082	-3.0235
0.36	4.48	60.75	0.35	1.356027	0.007812	4.47965	1.1	0.706813	2.1	4.48007	-3.1816
0.37	4.41	62.21	0.35	1.410658	0.007937	4.40965	1.1	0.72601	2.1	4.41007	-3.2797
0.38	4.31	65.28	0.35	1.514617	0.008121	4.30965	1.1	0.745208	2.1	4.31007	-3.3778
0.39	4.27	66.36	0.3	1.554098	0.007026	4.2697	1.1	0.764405	2.1	4.27006	-3.5259

0.4	4.25	66.59	0.3	1.566824	0.007059	4.2497	1.1	0.783602	2.1	4.25006	-3.624
0.41	4.21	66.36	0.3	1.576247	0.007126	4.2097	1.1	0.8028	2	4.21006	-3.7221
0.42	4.17	66.62	0.3	1.597602	0.007194	4.1697	1.1	0.821997	2	4.17006	-3.8202
0.43	4.12	67.13	0.24	1.629369	0.005825	4.11976	1.1	0.841195	2.1	4.120048	-3.9783
0.44	4.06	67.1	0.24	1.652709	0.005911	4.05976	1.1	0.860392	2.1	4.060048	-4.0764
0.45	3.99	66.84	0.18	1.675188	0.004511	3.98982	1.1	0.87959	2.1	3.990036	-4.2345
0.46	3.92	66.46	0.18	1.695408	0.004592	3.91982	1.1	0.898787	2.1	3.920036	-4.3326
0.47	3.7	65.63	0.12	1.773784	0.003243	3.69988	1.1	0.917985	2.1	3.700024	-4.4907
0.48	3.55	64.64	0.12	1.820845	0.00338	3.54988	1.1	0.937182	2.1	3.550024	-4.5888
0.49	3.36	64.1	0.18	1.907738	0.005357	3.35982	1.1	0.956379	2.1	3.360036	-4.6269
0.5	3.09	63.11	0.18	2.042395	0.005825	3.08982	1.1	0.975577	2.1	3.090036	-4.725
0.51	2.73	62.31	0.18	2.282418	0.006593	2.72982	1.1	0.994774	2.1	2.730036	-4.8231
0.52	2.42	60.52	0.12	2.500826	0.004959	2.41988	1.1	1.013972	2.1	2.420024	-4.9812
0.53	2.19	58.55	0.12	2.673516	0.005479	2.18988	1.2	1.034914	2.1	2.190024	-5.0793
0.54	1.97	56.89	0.12	2.887817	0.006091	1.96988	1.1	1.054112	2.1	1.970024	-5.1774
0.55	1.78	52.45	0.12	2.946629	0.006742	1.77988	1.2	1.075054	2.1	1.780024	-5.2755
0.56	1.72	50.12	0.18	2.913953	0.010465	1.71982	1.1	1.094252	2.1	1.720036	-5.3136
0.57	1.67	47.89	0.18	2.867665	0.010778	1.66982	1.1	1.113449	2.1	1.670036	-5.4117
0.58	1.6	45.11	0.12	2.819375	0.0075	1.59988	1.1	1.132646	2.1	1.600024	-5.5698
0.59	1.52	42.47	0.12	2.794079	0.007895	1.51988	1.1	1.151844	2.1	1.520024	-5.6679
0.6	1.48	40.1	0.12	2.709459	0.008108	1.47988	1.1	1.171041	2.1	1.480024	-5.766
0.61	1.43	37.2	0.12	2.601399	0.008392	1.42988	1.1	1.190239	2.1	1.430024	-5.8641
0.62	1.38	33.12	0.12	2.4	0.008696	1.37988	1.1	1.209436	2.1	1.380024	-5.9622
0.63	1.29	26.16	0.06	2.027907	0.004651	1.28994	1.1	1.228634	2.1	1.290012	-6.1203
0.64	1.24	23.96	0.06	1.932258	0.004839	1.23994	1.1	1.247831	2.1	1.240012	-6.2184
0.65	1.2	22.46	0.06	1.871667	0.005	1.19994	1.1	1.267029	2.1	1.200012	-6.3165
0.66	1.16	21.18	0.06	1.825862	0.005172	1.15994	1.2	1.287971	2.1	1.160012	-6.4146
0.67	1.13	20.04	0	1.773451	0	1.13	1.1	1.307168	2.1	1.13	-6.5727
0.68	1.09	19.17	0	1.758716	0	1.09	1.1	1.326366	2	1.09	-6.6708
0.69	1.07	18.38	-0.06	1.717757	-0.005607	1.07006	1.1	1.345563	2	1.069988	-6.8289
0.7	1.02	17.26	-0.06	1.692157	-0.005882	1.02006	1.2	1.366506	2	1.019988	-6.927
0.71	1.02	16.75	-0.06	1.642157	-0.005882	1.02006	1.2	1.387448	2	1.019988	-7.0251
0.72	1.02	16.18	-0.06	1.586275	-0.005882	1.02006	1.2	1.408391	2	1.019988	-7.1232
0.73	1.01	15.79	-0.06	1.563366	-0.005941	1.01006	1.2	1.429333	2	1.009988	-7.2213
0.74	1.01	15.51	-0.06	1.535644	-0.005941	1.01006	1.2	1.450275	2	1.009988	-7.3194
0.75	1	15.12	-0.06	1.512	-0.006	1.00006	1.2	1.471218	2	0.999988	-7.4175
0.76	0.98	14.48	-0.12	1.477551	-0.012245	0.98012	1.2	1.49216	2	0.979976	-7.5756
0.77	0.98	14.17	-0.12	1.445918	-0.012245	0.98012	1.2	1.513103	2	0.979976	-7.6737
0.78	0.97	13.85	-0.12	1.427835	-0.012371	0.97012	1.2	1.534045	2	0.969976	-7.7718
0.79	0.96	13.46	-0.12	1.402083	-0.0125	0.96012	1.2	1.554987	2	0.959976	-7.8699
0.8	0.96	13.18	-0.12	1.372917	-0.0125	0.96012	1.2	1.57593	2	0.959976	-7.968
0.81	0.96	13.02	-0.12	1.35625	-0.0125	0.96012	1.2	1.596872	2	0.959976	-8.0661
0.82	0.94	12.35	-0.18	1.31383	-0.019149	0.94018	1.2	1.617815	2	0.939964	-8.2242
0.83	0.94	12	-0.18	1.276596	-0.019149	0.94018	1.2	1.638757	2	0.939964	-8.3223
0.84	0.94	11.55	-0.24	1.228723	-0.025532	0.94024	1.2	1.6597	2	0.939952	-8.4804
0.85	0.94	11.33	-0.3	1.205319	-0.031915	0.9403	1.2	1.680642	2	0.93994	-8.6385
0.86	0.94	11.33	-0.3	1.205319	-0.031915	0.9403	1.2	1.701584	2	0.93994	-8.7366
0.87	0.94	11.33	-0.3	1.205319	-0.031915	0.9403	1.2	1.722527	2	0.93994	-8.8347
0.88	0.18	3.35	-2.25	1.861111	-1.25	0.18225	1.2	1.743469	2	0.17955	-10.8828
0.89	0.85	10.91	-2.07	1.283529	-0.243529	0.85207	1.2	1.764412	2	0.849586	-10.8009
0.9	0.85	10.91	-2.07	1.283529	-0.243529	0.85207	1.2	1.785354	2	0.849586	-10.899
0.91	0.88	10.27	-2.07	1.167045	-0.235227	0.88207	1.2	1.806296	2	0.879586	-10.9971
0.92	0.9	9.76	-2.01	1.084444	-0.223333	0.90201	1.2	1.827239	2	0.899598	-11.0352
0.93	0.92	9.57	-2.01	1.040217	-0.218478	0.92201	1.2	1.848181	2	0.919598	-11.1333
0.94	0.95	9.35	-2.01	0.984211	-0.211579	0.95201	1.2	1.869124	2	0.949598	-11.2314
0.95	0.98	9.03	-2.01	0.921429	-0.205102	0.98201	1.2	1.890066	2	0.979598	-11.3295
0.96	1.03	8.65	-2.01	0.839806	-0.195146	1.03201	1.2	1.911009	2	1.029598	-11.4276
0.97	1.07	8.61	-2.01	0.804673	-0.18785	1.07201	1.3	1.933696	2	1.069598	-11.5257
0.98	1.1	8.58	-2.01	0.78	-0.182727	1.10201	1.2	1.954638	2	1.099598	-11.6238
0.99	1.13	8.58	-2.01	0.759292	-0.177876	1.13201	1.3	1.977326	2	1.129598	-11.7219
1	1.16	8.9	-1.95	0.767241	-0.168103	1.16195	1.3	2.000013	2	1.15961	-11.76
1.01	1.25	8.77	-1.95	0.7016	-0.156	1.25195	1.3	2.0227	2	1.24961	-11.8581
1.02	1.26	9.12	-1.95	0.72381	-0.154762	1.26195	1.3	2.045388	2	1.25961	-11.9562
1.03	1.28	9.54	-1.95	0.745312	-0.152344	1.28195	1.3	2.068075	2	1.27961	-12.0543
1.04	1.27	10.11	-2.07	0.796063	-0.162992	1.27207	1.3	2.090762	2	1.269586	-12.2724
1.05	1.26	10.94	-2.07	0.868254	-0.164286	1.26207	1.1	2.10996	2	1.259586	-12.3705
1.06	1.28	11.61	-2.01	0.907031	-0.157031	1.28201	1.1	2.129157	2	1.279598	-12.4086
1.07	1.33	14.87	-2.42	1.118045	-0.181955	1.33242	1.1	2.148355	2	1.329516	-12.9167
1.08	1.21	16.3	-2.54	1.347107	-0.209917	1.21254	1	2.165807	2	1.209492	-13.1348
1.09	1.04	32.93	-1.95	3.166346	-0.1875	1.04195	1	2.183259	2	1.03961	-12.6429
1.1	0.99	33.92	-1.83	3.426263	-0.184848	0.99183	1	2.200712	2	0.989634	-12.621
1.11	1.09	32.26	-1.83	2.959633	-0.16789	1.09183	1	2.218164	1.9	1.089634	-12.7191

1.12	1.31	29.1	-1.77	2.221374	-0.135115	1.31177	1	2.235617	1.9	1.309646	-12.7572
1.13	1.52	25.81	-1.77	1.698026	-0.116447	1.52177	1	2.253069	2	1.519646	-12.8553
1.14	1.82	23.04	-1.71	1.265934	-0.093956	1.82171	1	2.270522	2	1.819658	-12.8934
1.15	2.22	22.17	-1.77	0.998649	-0.07973	2.22177	1	2.287974	2	2.219646	-13.0515
1.16	2.75	21.7	-1.71	0.789091	-0.062182	2.75171	1	2.305426	2	2.749658	-13.0896
1.17	3.68	21.89	-1.65	0.594837	-0.044837	3.68165	1	2.322879	2	3.67967	-13.1277
1.18	4.02	21.79	-1.6	0.54204	-0.039801	4.0216	1	2.340331	2	4.01968	-13.1758
1.19	4.24	20.96	-1.48	0.49434	-0.034906	4.24148	1	2.357784	2	4.239704	-13.1539
1.2	4.37	19.4	-1.54	0.443936	-0.03524	4.37154	1	2.375236	2	4.369692	-13.312
1.21	4.41	19.37	-1.6	0.439229	-0.036281	4.4116	1	2.392688	2	4.40968	-13.4701
1.22	4.32	23.64	-1.83	0.547222	-0.042361	4.32183	1	2.410141	2	4.319634	-13.7982
1.23	4.17	18.89	-1.89	0.452998	-0.045324	4.17189	1	2.427593	2	4.169622	-13.9563
1.24	4.06	21.73	-1.89	0.535222	-0.046552	4.06189	1	2.445046	2	4.059622	-14.0544
1.25	3.9	24.09	-1.89	0.617692	-0.048462	3.90189	1	2.462498	2	3.899622	-14.1525
1.26	3.76	26.29	-1.83	0.699202	-0.04867	3.76183	1	2.47995	2	3.759634	-14.1906
1.27	3.54	29.42	-1.89	0.831073	-0.05339	3.54189	1.1	2.499148	2	3.539622	-14.3487
1.28	3.46	30.72	-1.89	0.887861	-0.054624	3.46189	1	2.5166	2	3.459622	-14.4468
1.29	3.38	32.45	-1.89	0.960059	-0.055917	3.38189	1.1	2.535798	2	3.379622	-14.5449
1.3	3.33	34.74	-2.01	1.043243	-0.06036	3.33201	1.1	2.554995	2	3.329598	-14.763
1.31	3.32	36.21	-2.13	1.090663	-0.064157	3.32213	1.1	2.574193	1.9	3.319574	-14.9811
1.32	3.37	39.02	-2.42	1.157864	-0.07181	3.37242	1	2.591645	1.9	3.369516	-15.3692
1.33	3.4	40.81	-2.6	1.200294	-0.076471	3.4026	1	2.609097	2	3.39948	-15.6473
1.34	3.47	42.05	-2.54	1.211816	-0.073199	3.47254	1	2.62655	2	3.469492	-15.6854
1.35	3.5	43.23	-2.42	1.235143	-0.069143	3.50242	1	2.644002	2	3.499516	-15.6635
1.36	3.53	43.52	-2.19	1.232861	-0.06204	3.53219	1	2.661455	2	3.529562	-15.5316
1.37	3.49	42.69	-2.13	1.223209	-0.061032	3.49213	1.1	2.680652	2	3.489574	-15.5697
1.38	3.36	41.99	-2.19	1.249702	-0.065179	3.36219	1.1	2.699849	2	3.359562	-15.7278
1.39	3.19	42.02	-2.3	1.317241	-0.0721	3.1923	1.1	2.719047	2	3.18954	-15.9359
1.4	3.01	42.78	-2.48	1.421262	-0.082392	3.01248	1.1	2.738244	2	3.009504	-16.214
1.41	2.87	43.87	-2.54	1.528571	-0.088502	2.87254	1.1	2.757442	2	2.869492	-16.3721
1.42	2.78	45.05	-2.6	1.620504	-0.093525	2.7826	1.1	2.776639	2	2.77948	-16.5302
1.43	2.71	47.25	-2.66	1.743542	-0.098155	2.71266	1.1	2.795837	2	2.709468	-16.6883
1.44	2.67	48.3	-2.72	1.808989	-0.101873	2.67272	1.1	2.815034	2	2.669456	-16.8464
1.45	2.63	49.07	-2.78	1.865779	-0.105703	2.63278	1.1	2.834232	2	2.629444	-17.0045
1.46	2.55	49.9	-2.84	1.956863	-0.111373	2.55284	1.1	2.853429	2	2.549432	-17.1626
1.47	2.4	51.85	-3.43	2.160417	-0.142917	2.40343	1.1	2.872626	2	2.399314	-17.8507
1.48	2.34	52.16	-3.96	2.22906	-0.169231	2.34396	1.1	2.891824	2	2.339208	-18.4788
1.49	2.3	52.45	-4.49	2.280435	-0.195217	2.30449	1.1	2.911021	2	2.299102	-19.1069
1.5	2.3	52.52	-5.02	2.283478	-0.218261	2.30502	1.1	2.930219	2	2.298996	-19.735
1.51	2.29	53.35	-5.73	2.329694	-0.250218	2.29573	1.1	2.949416	2	2.288854	-20.5431
1.52	2.29	54.53	-6.44	2.381223	-0.281223	2.29644	1.1	2.968614	2	2.288712	-21.3512
1.53	2.28	54.91	-7.86	2.408333	-0.344737	2.28786	1.1	2.987811	2	2.278428	-22.8693
1.54	2.24	53.25	-8.45	2.377232	-0.377232	2.24845	1.1	3.007009	2	2.23831	-23.5574
1.55	2.22	51.4	-8.86	2.315315	-0.399099	2.22886	1.1	3.026206	2	2.218228	-24.0655
1.56	2.22	49.55	-9.1	2.231982	-0.40991	2.2291	1.1	3.045403	1.9	2.21818	-24.4036
1.57	2.32	44.19	-9.16	1.904741	-0.394828	2.32916	1.1	3.064601	1.9	2.318168	-24.5617
1.58	2.36	41.7	-9.16	1.766949	-0.388136	2.36916	1.1	3.083798	2	2.358168	-24.6598
1.59	2.37	40.49	-9.16	1.708439	-0.386498	2.37916	1.1	3.102996	2	2.368168	-24.7579
1.6	2.36	39.79	-9.16	1.686017	-0.388136	2.36916	1.1	3.122193	2	2.358168	-24.856
1.61	2.32	38.38	-9.16	1.65431	-0.394828	2.32916	1.2	3.143136	2	2.318168	-24.9541
1.62	2.26	37.3	-9.16	1.650442	-0.40531	2.26916	1.2	3.164078	2	2.258168	-25.0522
1.63	2.07	36.21	-9.34	1.749275	-0.451208	2.07934	1.1	3.183276	2	2.068132	-25.3303
1.64	1.97	36.56	-9.34	1.855838	-0.474112	1.97934	1.1	3.202473	2	1.968132	-25.4284
1.65	1.88	36.88	-9.45	1.961702	-0.50266	1.88945	1.2	3.223415	2	1.87811	-25.6365
1.66	1.78	36.18	-9.39	2.032584	-0.527528	1.78939	1.1	3.242613	2	1.778122	-25.6746
1.67	1.67	35.83	-9.51	2.145509	-0.569461	1.67951	1.1	3.26181	2	1.668098	-25.8927
1.68	1.47	33.69	-9.45	2.291837	-0.642857	1.47945	1.1	3.281008	2	1.46811	-25.9308
1.69	1.37	32.7	-9.45	2.386861	-0.689781	1.37945	1.3	3.303695	2	1.36811	-26.0289
1.7	1.29	31.91	-9.45	2.473643	-0.732558	1.29945	1.3	3.326382	2	1.28811	-26.127
1.71	1.22	31.24	-9.39	2.560656	-0.769672	1.22939	1.3	3.34907	2	1.218122	-26.1651
1.72	1.16	30.69	-9.45	2.64569	-0.814655	1.16945	1.1	3.368267	1.9	1.15811	-26.3232
1.73	1.05	29.54	-9.45	2.813333	-0.9	1.05945	1.2	3.38921	1.9	1.04811	-26.4213
1.74	1	28.68	-9.34	2.868	-0.934	1.00934	1.3	3.411897	2	0.998132	-26.4094
1.75	0.96	28.27	-9.04	2.944792	-0.941667	0.96904	1.3	3.434584	2	0.958192	-26.2075
1.76	0.91	27.76	-8.98	3.050549	-0.986813	0.91898	1.3	3.457272	2	0.908204	-26.2456
1.77	0.81	25.52	-8.92	3.150617	-1.101235	0.81892	1.3	3.479959	2	0.808216	-26.2837
1.78	0.76	24.41	-8.92	3.211842	-1.173684	0.76892	1.3	3.502646	2	0.758216	-26.3818
1.79	0.72	23.19	-8.92	3.220833	-1.238889	0.72892	1.3	3.525334	2	0.718216	-26.4799
1.8	0.7	22.3	-8.92	3.185714	-1.274286	0.70892	1.3	3.548021	2	0.698216	-26.578
1.81	0.68	21.44	-8.92	3.152941	-1.311765	0.68892	1.3	3.570708	2	0.678216	-26.6761
1.82	0.67	20.83	-8.86	3.108955	-1.322388	0.67886	1.3	3.593396	2	0.668228	-26.7142
1.83	0.77	20.04	-8.8	2.602597	-1.142857	0.7788	1.3	3.616083	2	0.76824	-26.7523

1.84	0.89	19.91	-8.8	2.237079	-0.988764	0.8988	1.3	3.63877	2	0.88824	-26.8504
1.85	1.02	19.78	-8.8	1.939216	-0.862745	1.0288	1.3	3.661458	2	1.01824	-26.9485
1.86	1.02	19.78	-8.8	1.939216	-0.862745	1.0288	1.3	3.684145	4.4	1.01824	-27.0466
1.87	1.02	19.78	-8.8	1.939216	-0.862745	1.0288	1.3	3.706832	4.4	1.01824	-27.1447
1.88	0.42	16.27	-9.1	3.87381	-2.166667	0.4291	1.4	3.731264	1.9	0.41818	-27.5428
1.89	1.15	16.4	-9.63	1.426087	-0.837391	1.15963	1.4	3.755697	1.9	1.148074	-28.1709
1.9	1.13	15.73	-10.1	1.392035	-0.893805	1.1401	1.4	3.780129	2	1.12798	-28.739
1.91	1.01	13.43	-10.34	1.329703	-1.023762	1.02034	1.4	3.804561	2	1.007932	-29.0771
1.92	0.96	13.11	-10.34	1.365625	-1.077083	0.97034	1.4	3.828993	2	0.957932	-29.1752
1.93	0.92	12.89	-10.28	1.401087	-1.117391	0.93028	1.4	3.853425	2	0.917944	-29.2133
1.94	0.88	12.63	-10.28	1.435227	-1.168182	0.89028	1.4	3.877857	1.9	0.877944	-29.3114
1.95	0.81	12.35	-10.22	1.524691	-1.261728	0.82022	1.4	3.90229	1.9	0.807956	-29.3495
1.96	0.76	12.25	-10.16	1.611842	-1.336842	0.77016	1.4	3.926722	2	0.757968	-29.3876
1.97	0.73	12.41	-10.16	1.7	-1.391781	0.74016	1.4	3.951154	2	0.727968	-29.4857
1.98	0.69	12.54	-10.1	1.817391	-1.463768	0.7001	1.4	3.975586	1.9	0.68798	-29.5238
1.99	0.65	12.7	-10.16	1.953846	-1.563077	0.66016	1.4	4.000018	1.9	0.647968	-29.6819
2	0.57	12.7	-10.22	2.22807	-1.792982	0.58022	1.4	4.024451	2	0.567956	-29.84
2.01	0.5	12.83	-10.22	2.566	-2.044	0.51022	1.4	4.048883	2	0.497956	-29.9381
2.02	0.46	12.79	-10.22	2.780435	-2.221739	0.47022	1.4	4.073315	2	0.457956	-30.0362
2.03	0.39	12.38	-10.04	3.174359	-2.574359	0.40004	1.4	4.097747	2	0.387992	-29.9543
2.04	0.36	11.84	-9.93	3.288889	-2.758333	0.36993	1.4	4.122179	2	0.358014	-29.9424
2.05	0.33	11.33	-9.93	3.433333	-3.009091	0.33993	1.4	4.146611	2	0.328014	-30.0405
2.06	0.31	10.82	-9.87	3.490323	-3.183871	0.31987	1.5	4.172788	2	0.308026	-30.0786
2.07	0.3	10.34	-9.87	3.446667	-3.29	0.30987	1.4	4.197221	2	0.298026	-30.1767
2.08	0.28	9.57	-9.87	3.417857	-3.525	0.28987	1.5	4.223398	2	0.278026	-30.2748
2.09	0.27	9.22	-9.81	3.414815	-3.633333	0.27981	1.5	4.249574	2	0.268038	-30.3129
2.1	0.27	8.93	-9.81	3.307407	-3.633333	0.27981	1.5	4.275751	2	0.268038	-30.411
2.11	0.26	8.52	-9.75	3.276923	-3.75	0.26975	1.4	4.300184	2	0.25805	-30.4491
2.12	0.25	7.69	-9.75	3.076	-3.9	0.25975	1.5	4.326361	2	0.24805	-30.5472
2.13	0.25	7.24	-9.69	2.896	-3.876	0.25969	1.5	4.352537	2	0.248062	-30.5853
2.14	0.25	6.89	-9.69	2.756	-3.876	0.25969	1.5	4.378714	2	0.248062	-30.6834
2.15	0.25	6.83	-9.69	2.732	-3.876	0.25969	1.5	4.404891	2	0.248062	-30.7815
2.16	0.25	6.83	-9.63	2.732	-3.852	0.25963	1.5	4.431068	2	0.248074	-30.8196
2.17	0.26	6.76	-9.63	2.6	-3.703846	0.26963	1.5	4.457245	2	0.258074	-30.9177
2.18	0.26	6.6	-9.69	2.538462	-3.726923	0.26969	1.5	4.483422	2	0.258062	-31.0758
2.19	0.25	6.48	-9.75	2.592	-3.9	0.25975	1.5	4.509599	2	0.24805	-31.2339
2.2	0.24	6.25	-9.75	2.604167	-4.0625	0.24975	1.5	4.535776	2	0.23805	-31.332
2.21	0.23	6.06	-9.69	2.634783	-4.213043	0.23969	1.5	4.561953	1.9	0.228062	-31.3701
2.22	0.23	5.77	-9.75	2.508696	-4.23913	0.23975	1.5	4.58813	1.9	0.22805	-31.5282
2.23	0.23	5.26	-9.69	2.286957	-4.213043	0.23969	1.5	4.614307	2	0.228062	-31.5663
2.24	0.23	5.17	-9.69	2.247826	-4.213043	0.23969	1.5	4.640484	2	0.228062	-31.6644
2.25	0.22	5.07	-9.69	2.304545	-4.404545	0.22969	1.5	4.666661	2	0.218062	-31.7625
2.26	0.22	5.2	-9.69	2.363636	-4.404545	0.22969	1.5	4.692838	2	0.218062	-31.8606
2.27	0.21	5.17	-9.75	2.461905	-4.642857	0.21975	1.5	4.719015	2	0.20805	-32.0187
2.28	0.19	5.2	-9.75	2.736842	-5.131579	0.19975	1.5	4.745192	2	0.18805	-32.1168
2.29	0.19	5.26	-9.75	2.768421	-5.131579	0.19975	1.5	4.771369	2	0.18805	-32.2149
2.3	0.19	5.33	-9.81	2.805263	-5.163158	0.19981	1.5	4.797546	2	0.188038	-32.373
2.31	0.18	5.36	-9.75	2.977778	-5.416667	0.18975	1.5	4.823723	2	0.17805	-32.4111
2.32	0.18	5.36	-9.81	2.977778	-5.45	0.18981	1.5	4.849899	2	0.178038	-32.5692
2.33	0.18	5.26	-9.75	2.922222	-5.416667	0.18975	1.5	4.876076	1.9	0.17805	-32.6073
2.34	0.17	4.98	-9.75	2.929412	-5.735294	0.17975	1.6	4.903998	1.9	0.16805	-32.7054
2.35	0.18	4.95	-9.75	2.75	-5.416667	0.18975	1.5	4.930175	2	0.17805	-32.8035
2.36	0.18	5.04	-9.75	2.8	-5.416667	0.18975	1.5	4.956352	2	0.17805	-32.9016
2.37	0.18	5.23	-9.75	2.905556	-5.416667	0.18975	1.5	4.982529	2	0.17805	-32.9997
2.38	0.18	5.2	-9.75	2.888889	-5.416667	0.18975	1.5	5.008706	2	0.17805	-33.0978
2.39	0.17	4.82	-9.81	2.835294	-5.770588	0.17981	1.6	5.036628	2	0.168038	-33.2559
2.4	0.17	4.56	-9.81	2.682353	-5.770588	0.17981	1.6	5.064549	1.9	0.168038	-33.354
2.41	0.16	4.43	-9.81	2.76875	-6.13125	0.16981	1.6	5.092471	1.9	0.158038	-33.4521
2.42	0.16	4.31	-9.81	2.69375	-6.13125	0.16981	1.5	5.118648	1.9	0.158038	-33.5502
2.43	0.15	4.18	-9.81	2.786667	-6.54	0.15981	1.6	5.146569	2	0.148038	-33.6483
2.44	0.15	3.86	-9.75	2.573333	-6.5	0.15975	1.5	5.172746	2	0.14805	-33.6864
2.45	0.15	3.76	-9.81	2.506667	-6.54	0.15981	1.6	5.200668	2	0.148038	-33.8445
2.46	0.15	3.8	-9.81	2.533333	-6.54	0.15981	1.7	5.230334	2	0.148038	-33.9426
2.47	0.15	3.89	-9.81	2.593333	-6.54	0.15981	1.7	5.26	2	0.148038	-34.0407
2.48	0.16	4.05	-9.81	2.53125	-6.13125	0.16981	1.6	5.287922	2	0.158038	-34.1388
2.49	0.16	4.24	-9.81	2.65	-6.13125	0.16981	1.6	5.315844	2	0.158038	-34.2369
2.5	0.16	4.21	-9.81	2.63125	-6.13125	0.16981	1.7	5.34551	2	0.158038	-34.335
2.51	0.16	4.31	-9.81	2.69375	-6.13125	0.16981	1.7	5.375176	2	0.158038	-34.4331
2.52	0.16	4.43	-9.81	2.76875	-6.13125	0.16981	1.7	5.404842	2	0.158038	-34.5312
2.53	0.17	4.53	-9.81	2.664706	-5.770588	0.17981	1.7	5.434509	2	0.168038	-34.6293
2.54	0.17	4.53	-9.81	2.664706	-5.770588	0.17981	1.7	5.464175	2	0.168038	-34.7274
2.55	0.16	4.37	-9.81	2.73125	-6.13125	0.16981	1.7	5.493841	2	0.158038	-34.8255

2.56	0.16	4.28	-9.87	2.675	-6.16875	0.16987	1.7	5.523507	2	0.158026	-34.9836
2.57	0.16	4.21	-9.81	2.63125	-6.13125	0.16981	1.7	5.553174	2	0.158038	-35.0217
2.58	0.16	4.12	-9.81	2.575	-6.13125	0.16981	1.7	5.58284	2	0.158038	-35.1198
2.59	0.17	4.08	-9.81	2.4	-5.770588	0.17981	1.7	5.612506	2	0.168038	-35.2179
2.6	0.19	4.21	-9.81	2.215789	-5.163158	0.19981	1.7	5.642172	2	0.188038	-35.316
2.61	0.2	4.24	-9.81	2.12	-4.905	0.20981	1.7	5.671839	2	0.198038	-35.4141
2.62	0.21	4.31	-9.75	2.052381	-4.642857	0.21975	1.7	5.701505	2	0.20805	-35.4522
2.63	0.22	4.47	-9.81	2.031818	-4.459091	0.22981	1.7	5.731171	2	0.218038	-35.6103
2.64	0.23	4.66	-9.81	2.026087	-4.265217	0.23981	1.7	5.760837	2	0.228038	-35.7084
2.65	0.24	5.07	-9.75	2.1125	-4.0625	0.24975	1.7	5.790504	2	0.23805	-35.7465
2.66	0.24	5.3	-9.75	2.208333	-4.0625	0.24975	1.7	5.82017	2	0.23805	-35.8446
2.67	0.24	5.33	-9.75	2.220833	-4.0625	0.24975	1.7	5.849836	2	0.23805	-35.9427
2.68	0.24	5.14	-9.75	2.141667	-4.0625	0.24975	1.6	5.877758	2	0.23805	-36.0408
2.69	0.23	4.85	-9.75	2.108696	-4.23913	0.23975	1.7	5.907424	2	0.22805	-36.1389
2.7	0.25	4.31	-9.69	1.724	-3.876	0.25969	1.7	5.93709	1.9	0.248062	-36.177
2.71	0.29	4.28	-9.69	1.475862	-3.341379	0.29969	1.6	5.965012	1.9	0.288062	-36.2751
2.72	0.34	4.4	-9.63	1.294118	-2.832353	0.34963	1.8	5.996423	2	0.338074	-36.3132
2.73	0.41	4.56	-9.63	1.112195	-2.34878	0.41963	1.6	6.024344	2	0.408074	-36.4113
2.74	0.49	4.66	-9.57	0.95102	-1.953061	0.49957	1.7	6.054011	2	0.488086	-36.4494
2.75	0.67	6	-9.57	0.895522	-1.428358	0.67957	1.7	6.083677	2	0.668086	-36.5475
2.76	0.74	6.7	-9.75	0.905405	-1.317568	0.74975	1.7	6.113343	2	0.73805	-36.8256
2.77	0.78	7.21	-10.04	0.924359	-1.287179	0.79004	1.7	6.143009	2	0.777992	-37.2137
2.78	0.82	7.59	-10.22	0.92561	-1.246341	0.83022	1.7	6.172676	2	0.817956	-37.4918
2.79	0.88	7.98	-10.22	0.906818	-1.161364	0.89022	1.8	6.204086	2	0.877956	-37.5899
2.8	1.13	10.62	-10.22	0.939823	-0.904425	1.14022	1.8	6.235497	2	1.127956	-37.688
2.81	1.3	12.22	-10.46	0.94	-0.804615	1.31046	1.8	6.266908	2	1.297908	-38.0261
2.82	1.45	13.27	-11.05	0.915172	-0.762069	1.46105	1.8	6.298319	2	1.44779	-38.7142
2.83	1.57	13.05	-11.7	0.83121	-0.745223	1.5817	1.8	6.329729	2	1.56766	-39.4623
2.84	1.67	13.02	-13.12	0.779641	-0.785629	1.68312	1.8	6.36114	2	1.667376	-40.9804
2.85	1.83	12.7	-13.23	0.693989	-0.722951	1.84323	1.8	6.392551	2	1.827354	-41.1885
2.86	1.89	12.03	-13.12	0.636508	-0.69418	1.90312	1.8	6.423962	1.9	1.887376	-41.1766
2.87	1.89	12.03	-13.12	0.636508	-0.69418	1.90312	1.8	6.455372	2.3	1.887376	-41.2747
2.88	1.89	12.03	-13.12	0.636508	-0.69418	1.90312	1.8	6.486783	2.3	1.887376	-41.3728
2.89	1.67	8.97	-4.79	0.537126	-0.286826	1.67479	1.8	6.518194	1.9	1.669042	-33.1409
2.9	1.94	8.61	-7.15	0.443814	-0.368557	1.94715	1.7	6.54786	1.9	1.93857	-35.599
2.91	1.93	8.68	-9.1	0.449741	-0.471503	1.9391	1.7	6.577526	2	1.92818	-37.6471
2.92	1.91	9	-10.22	0.471204	-0.535079	1.92022	1.7	6.607193	2	1.907956	-38.8652
2.93	1.85	8.9	-10.75	0.481081	-0.581081	1.86075	1.8	6.638603	2	1.84785	-39.4933
2.94	1.8	8.68	-5.67	0.482222	-0.315	1.80567	1.8	6.670014	2	1.798866	-34.5114
2.95	1.77	8.58	-5.32	0.484746	-0.300565	1.77532	1.8	6.701425	1.9	1.768936	-34.2595
2.96	1.74	8.71	-6.09	0.500575	-0.35	1.74609	1.8	6.732836	1.9	1.738782	-35.1276
2.97	1.72	8.9	-8.39	0.517442	-0.487791	1.72839	1.8	6.764246	1.9	1.718322	-37.5257
2.98	1.69	9.25	-8.63	0.547337	-0.510651	1.69863	1.8	6.795657	1.9	1.688274	-37.8638
2.99	1.62	9.28	-8.45	0.57284	-0.521605	1.62845	1.8	6.827068	2	1.61831	-37.7819
3	1.58	9.22	-8.45	0.583544	-0.53481	1.58845	1.8	6.858479	2	1.57831	-37.88
3.01	1.47	8.97	-8.39	0.610204	-0.570748	1.47839	1.8	6.889889	2	1.468322	-37.9181
3.02	1.37	8.84	-8.39	0.645255	-0.612409	1.37839	1.8	6.9213	2	1.368322	-38.0162
3.03	1.37	8.97	-8.39	0.654745	-0.612409	1.37839	1.8	6.952711	2	1.368322	-38.1143
3.04	1.39	9.12	-8.33	0.656115	-0.599281	1.39833	1.8	6.984122	2	1.388334	-38.1524
3.05	1.41	9.28	-8.33	0.658156	-0.59078	1.41833	1.8	7.015532	2	1.408334	-38.2505
3.06	1.42	9.54	-8.33	0.671831	-0.58662	1.42833	1.8	7.046943	2	1.418334	-38.3486
3.07	1.43	9.86	-8.33	0.68951	-0.582517	1.43833	1.8	7.078354	2	1.428334	-38.4467
3.08	1.45	9.95	-8.69	0.686207	-0.59931	1.45869	1.8	7.109765	2	1.448262	-38.9048
3.09	1.45	9.73	-8.69	0.671034	-0.59931	1.45869	1.8	7.141175	2	1.448262	-39.0029
3.1	1.45	9.38	-8.63	0.646897	-0.595172	1.45863	1.8	7.172586	2	1.448274	-39.041
3.11	1.46	9.03	-8.57	0.618493	-0.586986	1.46857	1.8	7.203997	2	1.458286	-39.0791
3.12	1.47	8.77	-8.51	0.596599	-0.578912	1.47851	1.8	7.235408	2	1.468298	-39.1172
3.13	1.48	8.61	-8.51	0.581757	-0.575	1.48851	1.8	7.266819	2	1.478298	-39.2153
3.14	1.52	8.65	-8.45	0.569079	-0.555921	1.52845	1.8	7.298229	2	1.51831	-39.2534
3.15	1.55	8.68	-8.45	0.56	-0.545161	1.55845	1.8	7.32964	2	1.54831	-39.3515
3.16	1.57	8.84	-8.45	0.563057	-0.538217	1.57845	1.8	7.361051	2	1.56831	-39.4496
3.17	1.61	9.03	-8.45	0.56087	-0.524845	1.61845	1.8	7.392462	2	1.60831	-39.5477
3.18	1.65	9.09	-8.39	0.550909	-0.508485	1.65839	1.8	7.423872	2	1.648322	-39.5858
3.19	1.66	9.06	-8.39	0.545783	-0.505422	1.66839	1.9	7.457028	2	1.658322	-39.6839
3.2	1.68	8.87	-8.39	0.527976	-0.499405	1.68839	1.8	7.488438	2	1.678322	-39.782
3.21	1.68	8.71	-8.33	0.518452	-0.495833	1.68833	1.8	7.519849	2	1.678334	-39.8201
3.22	1.68	8.61	-8.33	0.5125	-0.495833	1.68833	1.8	7.55126	2	1.678334	-39.9182
3.23	1.69	8.77	-8.33	0.518935	-0.492899	1.69833	1.8	7.582671	2	1.688334	-40.0163
3.24	1.76	9.28	-8.27	0.527273	-0.469886	1.76827	1.8	7.614081	2	1.758346	-40.0544
3.25	1.82	9.6	-8.27	0.527473	-0.454396	1.82827	1.8	7.645492	2	1.818346	-40.1525
3.26	1.88	9.99	-8.27	0.531383	-0.439894	1.88827	1.8	7.676903	2	1.878346	-40.2506
3.27	1.96	10.46	-8.27	0.533673	-0.421939	1.96827	1.8	7.708314	2	1.958346	-40.3487

3.28	2.02	10.75	-8.27	0.532178	-0.409406	2.02827	1.9	7.741469	2	2.018346	-40.4468
3.29	2.11	11.29	-8.33	0.535071	-0.394787	2.11833	1.8	7.77288	2	2.108334	-40.6049
3.3	2.15	11.74	-8.39	0.546047	-0.390233	2.15839	1.9	7.806035	2	2.148322	-40.763
3.31	2.17	11.61	-8.39	0.535023	-0.386636	2.17839	1.9	7.83919	2	2.168322	-40.8611
3.32	2.17	11.2	-8.39	0.516129	-0.386636	2.17839	1.9	7.872345	2	2.168322	-40.9592
3.33	2.14	10.56	-8.33	0.493458	-0.389252	2.14833	1.9	7.9055	2	2.138334	-40.9973
3.34	2.08	10.27	-8.27	0.49375	-0.397596	2.08827	1.8	7.936911	2	2.078346	-41.0354
3.35	2.05	10.37	-8.27	0.505854	-0.403415	2.05827	1.9	7.970066	2	2.048346	-41.1335
3.36	2.02	10.46	-8.27	0.517822	-0.409406	2.02827	1.9	8.003221	2	2.018346	-41.2316
3.37	2	10.59	-8.21	0.5295	-0.4105	2.00821	1.9	8.036377	2	1.998358	-41.2697
3.38	1.97	10.75	-8.21	0.545685	-0.416751	1.97821	1.9	8.069532	2	1.968358	-41.3678
3.39	1.95	10.91	-8.15	0.559487	-0.417949	1.95815	1.9	8.102687	2	1.94837	-41.4059
3.4	1.91	11.07	-8.15	0.579581	-0.426702	1.91815	1.9	8.135842	2	1.90837	-41.504
3.41	1.9	11.2	-8.15	0.589474	-0.428947	1.90815	2	8.170742	1.9	1.89837	-41.6021
3.42	1.85	11.39	-8.15	0.615676	-0.440541	1.85815	2	8.205641	1.9	1.84837	-41.7002
3.43	1.81	11.61	-8.15	0.641436	-0.450276	1.81815	2	8.240541	2	1.80837	-41.7983
3.44	1.75	12.16	-8.15	0.694857	-0.465714	1.75815	2	8.27544	2	1.74837	-41.8964
3.45	1.59	13.34	-8.15	0.838994	-0.512579	1.59815	2	8.31034	2	1.58837	-41.9945
3.46	1.5	13.94	-8.15	0.929333	-0.543333	1.50815	2	8.345239	2	1.49837	-42.0926
3.47	1.41	14.55	-8.15	1.031915	-0.578014	1.41815	2	8.380139	2	1.40837	-42.1907
3.48	1.3	14.96	-8.15	1.150769	-0.626923	1.30815	2	8.415038	2	1.29837	-42.2888
3.49	1.23	15.31	-8.15	1.244715	-0.662602	1.23815	1.9	8.448193	2	1.22837	-42.3869
3.5	1.18	15.67	-8.09	1.327966	-0.685593	1.18809	2	8.483093	2	1.178382	-42.425
3.51	1.22	16.02	-8.09	1.313115	-0.663115	1.22809	2	8.517992	2	1.218382	-42.5231
3.52	1.29	16.59	-8.09	1.286047	-0.627132	1.29809	2	8.552892	2	1.288382	-42.6212
3.53	1.37	17.45	-8.21	1.273723	-0.59927	1.37821	2	8.587791	2	1.368358	-42.8393
3.54	1.4	17.74	-9.04	1.267143	-0.645714	1.40904	2	8.622691	2	1.398192	-43.7674
3.55	1.32	17.68	-12.58	1.339394	-0.95303	1.33258	2	8.65759	2	1.317484	-47.4055
3.56	1.25	17.52	-13.47	1.4016	-1.0776	1.26347	2	8.69249	2	1.247306	-48.3936
3.57	1.13	15.19	-13.47	1.344248	-1.192035	1.14347	2	8.727389	2	1.127306	-48.4917
3.58	1.02	13.24	-11.52	1.298039	-1.129412	1.03152	2	8.762289	2	1.017696	-46.6398
3.59	0.93	12.51	-4.43	1.345161	-0.476344	0.93443	2	8.797188	2	0.929114	-39.6479
3.6	0.87	12.28	-3.07	1.411494	-0.352874	0.87307	2	8.832088	2	0.869386	-38.386
3.61	0.87	12.63	-3.25	1.451724	-0.373563	0.87325	2	8.866987	2	0.86935	-38.6641
3.62	0.95	12.83	-3.01	1.350526	-0.316842	0.95301	2	8.901887	2	0.949398	-38.5222
3.63	1.06	12.95	-2.95	1.221698	-0.278302	1.06295	2	8.936786	2	1.05941	-38.5603
3.64	1.16	12.41	-3.01	1.069828	-0.259483	1.16301	2	8.971686	2	1.159398	-38.7184
3.65	1.18	11.17	-3.37	0.94661	-0.285593	1.18337	2	9.006585	2	1.179326	-39.1765
3.66	1.17	10.88	-3.66	0.929915	-0.312821	1.17366	2	9.041485	2	1.169268	-39.5646
3.67	1.13	10.08	-3.72	0.892035	-0.329204	1.13372	2	9.076384	2	1.129256	-39.7227
3.68	1.12	9.86	-3.78	0.880357	-0.3375	1.12378	2.1	9.113028	2	1.119244	-39.8808
3.69	1.13	9.92	-3.72	0.877876	-0.329204	1.13372	2.1	9.149672	2	1.129256	-39.9189
3.7	1.14	9.83	-3.6	0.862281	-0.315789	1.1436	2.1	9.186315	2	1.13928	-39.897
3.71	1.18	8.52	-3.55	0.722034	-0.300847	1.18355	2.1	9.222959	2	1.17929	-39.9451
3.72	1.2	7.59	-3.49	0.6325	-0.290833	1.20349	2.1	9.259603	2	1.199302	-39.9832
3.73	1.22	7.21	-3.49	0.590984	-0.286066	1.22349	2.1	9.296246	2	1.219302	-40.0813
3.74	1.24	6.89	-3.49	0.555645	-0.281452	1.24349	2.1	9.33289	2	1.239302	-40.1794
3.75	1.25	6.54	-3.43	0.5232	-0.2744	1.25343	2.1	9.369534	2	1.249314	-40.2175
3.76	1.26	5.97	-3.43	0.47381	-0.272222	1.26343	2.1	9.406178	2	1.259314	-40.3156
3.77	1.26	4.66	-3.37	0.369841	-0.26746	1.26337	2.1	9.442821	2	1.259326	-40.3537
3.78	1.25	4.47	-3.31	0.3576	-0.2648	1.25331	2.1	9.479465	2	1.249338	-40.3918
3.79	1.26	4.63	-3.31	0.36746	-0.262698	1.26331	2.1	9.516109	2	1.259338	-40.4899
3.8	1.27	4.88	-3.31	0.384252	-0.26063	1.27331	2.1	9.552752	2	1.269338	-40.588
3.81	1.28	5.14	-3.31	0.401562	-0.258594	1.28331	2.1	9.589396	2	1.279338	-40.6861
3.82	1.32	5.49	-3.25	0.415909	-0.246212	1.32325	2.1	9.62604	2	1.31935	-40.7242
3.83	1.35	5.46	-3.25	0.404444	-0.240741	1.35325	2.1	9.662683	2	1.34935	-40.8223
3.84	1.37	5.39	-3.19	0.393431	-0.232847	1.37319	2.1	9.699327	2	1.369362	-40.8604
3.85	1.38	5.33	-3.19	0.386232	-0.231159	1.38319	2.1	9.735971	2	1.379362	-40.9585
3.86	1.41	5.23	-3.19	0.370922	-0.226241	1.41319	2.1	9.772615	2	1.409362	-41.0566
3.87	1.41	5.23	-3.19	0.370922	-0.226241	1.41319	2.1	9.809258	5	1.409362	-41.1547
3.88	1.41	5.23	-3.19	0.370922	-0.226241	1.41319	2.1	9.845902	5	1.409362	-41.2528
3.89	1.41	2.23	-2.48	0.158156	-0.175887	1.41248	2.1	9.882546	4.3	1.409504	-40.6409
3.9	1.45	2.71	-2.48	0.186897	-0.171034	1.45248	2.1	9.919189	4.3	1.449504	-40.739
3.91	1.48	3.16	-2.48	0.213514	-0.167568	1.48248	2.1	9.955833	2	1.479504	-40.8371
3.92	1.5	3.57	-2.48	0.238	-0.165333	1.50248	2.1	9.992477	2	1.499504	-40.9352
3.93	1.51	3.86	-2.48	0.255629	-0.164238	1.51248	2.1	10.029121	2	1.509504	-41.0333
3.94	1.54	4.28	-2.48	0.277922	-0.161039	1.54248	2.1	10.065764	2	1.539504	-41.1314
3.95	1.56	4.47	-2.42	0.286538	-0.155128	1.56242	2.1	10.102408	2	1.559516	-41.1695
3.96	1.57	4.69	-2.42	0.298726	-0.15414	1.57242	2.1	10.139052	2	1.569516	-41.2676
3.97	1.58	4.85	-2.42	0.306962	-0.153165	1.58242	2.1	10.175695	1.9	1.579516	-41.3657
3.98	1.6	5.2	-2.36	0.325	-0.1475	1.60236	2.2	10.214083	1.9	1.599528	-41.4038
3.99	1.61	5.39	-2.36	0.334783	-0.146584	1.61236	2.1	10.250727	2	1.609528	-41.5019

4	1.62	5.52	-2.36	0.340741	-0.145679	1.62236	2.2	10.289115	2	1.619528	-41.6
4.01	1.22	4.85	-2.3	0.397541	-0.188525	1.2223	2.1	10.325758	0.1	1.21954	-41.6381
4.02	1.65	6.13	-2.25	0.371515	-0.136364	1.65225	2.2	10.364146	0.1	1.64955	-41.6862
4.03	1.66	6.22	-2.25	0.374699	-0.135542	1.66225	2.2	10.402534	2	1.65955	-41.7843
4.04	1.66	6.32	-2.25	0.380723	-0.135542	1.66225	2.2	10.440922	2	1.65955	-41.8824
4.05	1.68	6.48	-2.19	0.385714	-0.130357	1.68219	2.2	10.47931	1.8	1.679562	-41.9205
4.06	1.7	6.54	-2.19	0.384706	-0.128824	1.70219	2.2	10.517697	1.8	1.699562	-42.0186
4.07	1.72	6.57	-2.19	0.381977	-0.127326	1.72219	2.2	10.556085	1.9	1.719562	-42.1167
4.08	1.74	6.64	-2.19	0.381609	-0.125862	1.74219	2.2	10.594473	1.9	1.739562	-42.2148
4.09	1.79	6.8	-2.13	0.379888	-0.118994	1.79213	2.2	10.632861	1.8	1.789574	-42.2529
4.1	1.81	6.86	-2.13	0.379006	-0.11768	1.81213	2.2	10.671249	1.8	1.809574	-42.351
4.11	1.84	6.92	-2.13	0.376087	-0.115761	1.84213	2.2	10.709637	1.8	1.839574	-42.4491
4.12	1.86	6.99	-2.07	0.375806	-0.11129	1.86207	2.2	10.748024	1.8	1.859586	-42.4872
4.13	1.88	7.02	-2.07	0.373404	-0.110106	1.88207	2.2	10.786412	2	1.879586	-42.5853
4.14	1.89	7.11	-2.07	0.37619	-0.109524	1.89207	2.2	10.8248	2	1.889586	-42.6834
4.15	1.89	7.15	-2.07	0.378307	-0.109524	1.89207	2.2	10.863188	2	1.889586	-42.7815
4.16	1.88	7.21	-2.07	0.383511	-0.110106	1.88207	2.2	10.901576	2	1.879586	-42.8796
4.17	1.87	7.31	-2.01	0.390909	-0.107487	1.87201	2.2	10.939963	2	1.869598	-42.9177
4.18	1.85	7.47	-2.01	0.403784	-0.108649	1.85201	2.2	10.978351	2	1.849598	-43.0158
4.19	1.82	7.78	-2.01	0.427473	-0.11044	1.82201	2.2	11.016739	2	1.819598	-43.1139
4.2	1.82	7.78	-2.01	0.427473	-0.11044	1.82201	2.2	11.055127	2	1.819598	-43.212
4.21	1.78	8.2	-2.01	0.460674	-0.112921	1.78201	2.2	11.093515	2	1.779598	-43.3101
4.22	1.76	8.33	-1.95	0.473295	-0.110795	1.76195	2.2	11.131902	2	1.75961	-43.3482
4.23	1.75	8.39	-2.01	0.479429	-0.114857	1.75201	2.2	11.17029	2	1.749598	-43.5063
4.24	1.73	8.52	-2.01	0.492486	-0.116185	1.73201	2.2	11.208678	2	1.729598	-43.6044
4.25	1.71	8.65	-2.01	0.505848	-0.117544	1.71201	2.3	11.24881	2	1.709598	-43.7025
4.26	1.71	8.77	-2.01	0.512865	-0.117544	1.71201	2.3	11.288942	2	1.709598	-43.8006
4.27	1.75	9.09	-1.95	0.519429	-0.111429	1.75195	2.3	11.329073	2	1.74961	-43.8387
4.28	1.79	9.22	-1.89	0.515084	-0.105587	1.79189	2.3	11.369205	2	1.789622	-43.8768
4.29	1.82	9.38	-1.89	0.515385	-0.103846	1.82189	2.3	11.409337	2.1	1.819622	-43.9749
4.3	1.85	9.57	-1.95	0.517297	-0.105405	1.85195	2.3	11.449469	2.1	1.84961	-44.133
4.31	1.89	9.83	-1.95	0.520106	-0.103175	1.89195	2.3	11.489601	2	1.88961	-44.2311
4.32	1.91	9.6	-2.25	0.502618	-0.117801	1.91225	2.4	11.531476	2	1.90955	-44.6292
4.33	1.91	9.51	-2.42	0.497906	-0.126702	1.91242	2.3	11.571608	2	1.909516	-44.8973
4.34	1.89	9.09	-2.42	0.480952	-0.128042	1.89242	2.3	11.61174	2	1.889516	-44.9954
4.35	1.87	8.74	-2.36	0.46738	-0.126203	1.87236	2.3	11.651872	2	1.869528	-45.0335
4.36	1.82	8.01	-2.3	0.44011	-0.126374	1.8223	2.3	11.692003	2	1.81954	-45.0716
4.37	1.78	7.53	-2.3	0.423034	-0.129213	1.7823	2.3	11.732135	2	1.77954	-45.1697
4.38	1.75	7.34	-2.25	0.419429	-0.128571	1.75225	2.3	11.772267	2	1.74955	-45.2178
4.39	1.74	7.11	-2.25	0.408621	-0.12931	1.74225	2.4	11.814143	2	1.73955	-45.3159
4.4	1.73	7.02	-2.19	0.40578	-0.12659	1.73219	2.3	11.854274	2	1.729562	-45.354
4.41	1.73	7.02	-2.19	0.40578	-0.12659	1.73219	2.4	11.89615	2	1.729562	-45.4521
4.42	1.76	7.05	-2.19	0.400568	-0.124432	1.76219	2.3	11.936282	2	1.759562	-45.5502
4.43	1.79	7.15	-2.13	0.399441	-0.118994	1.79213	2.4	11.978158	2.1	1.789574	-45.5883
4.44	1.83	7.21	-2.13	0.393989	-0.116393	1.83213	2.4	12.020033	2.1	1.829574	-45.6864
4.45	1.89	7.53	-2.13	0.398413	-0.112698	1.89213	2.3	12.060165	2	1.889574	-45.7845
4.46	1.92	8.01	-2.13	0.417188	-0.110938	1.92213	2.4	12.102041	2	1.919574	-45.8826
4.47	2	9.25	-2.07	0.4625	-0.1035	2.00207	2.3	12.142172	2	1.999586	-45.9207
4.48	2.02	9.79	-2.07	0.484653	-0.102475	2.02207	2.3	12.182304	2	2.019586	-46.0188
4.49	2.03	10.05	-2.01	0.495074	-0.099015	2.03201	2.4	12.22418	2	2.029598	-46.0569
4.5	2.03	10.34	-2.01	0.50936	-0.099015	2.03201	2.4	12.266056	2	2.029598	-46.155
4.51	2.03	10.31	-2.01	0.507882	-0.099015	2.03201	2.4	12.307931	2	2.029598	-46.2531
4.52	2.03	10.18	-1.95	0.501478	-0.096059	2.03195	2.5	12.351551	2	2.02961	-46.2912
4.53	2.05	10.21	-1.95	0.498049	-0.095122	2.05195	2.5	12.39517	2	2.04961	-46.3893
4.54	2.08	10.21	-1.95	0.490865	-0.09375	2.08195	2.5	12.438789	2	2.07961	-46.4874
4.55	2.13	10.27	-1.95	0.48216	-0.091549	2.13195	2.4	12.480665	2	2.12961	-46.5855
4.56	2.19	10.34	-1.89	0.472146	-0.086301	2.19189	2.5	12.524284	2	2.189622	-46.6236
4.57	2.28	10.43	-1.89	0.457456	-0.082895	2.28189	2.5	12.567904	2	2.279622	-46.7217
4.58	2.35	10.46	-1.83	0.445106	-0.077872	2.35183	2.5	12.611523	2	2.349634	-46.7598
4.59	2.46	10.66	-1.83	0.433333	-0.07439	2.46183	2.5	12.655143	2	2.459634	-46.8579
4.6	2.51	10.69	-1.77	0.425896	-0.070518	2.51177	2.5	12.698762	2	2.509646	-46.896
4.61	2.56	10.66	-1.77	0.416406	-0.069141	2.56177	2.4	12.740638	2	2.559646	-46.9941
4.62	2.58	10.59	-1.77	0.410465	-0.068605	2.58177	2.5	12.784257	2	2.579646	-47.0922
4.63	2.58	10.43	-1.71	0.404264	-0.066279	2.58171	2.5	12.827876	2	2.579658	-47.1303
4.64	2.56	10.24	-1.71	0.4	-0.066797	2.56171	2.5	12.871496	2	2.559658	-47.2284
4.65	2.53	10.15	-1.71	0.401186	-0.067589	2.53171	2.5	12.915115	2	2.529658	-47.3265
4.66	2.49	9.95	-1.71	0.399598	-0.068675	2.49171	2.6	12.960478	2	2.489658	-47.4246
4.67	2.48	9.89	-1.65	0.39879	-0.066532	2.48165	2.6	13.005841	2	2.47967	-47.4627
4.68	2.48	9.99	-1.65	0.402823	-0.066532	2.48165	2.6	13.051204	2	2.47967	-47.5608
4.69	2.47	10.05	-1.65	0.406883	-0.066802	2.47165	2.6	13.096567	2	2.46967	-47.6589
4.7	2.46	10.02	-1.65	0.407317	-0.067073	2.46165	2.6	13.14193	2	2.45967	-47.757
4.71	2.44	10.02	-1.65	0.410656	-0.067623	2.44165	2.6	13.187293	2	2.43967	-47.8551

4.72	2.43	10.02	-1.6	0.412346	-0.065844	2.4316	2.7	13.2344	2	2.42968	-47.9032
4.73	2.42	10.18	-1.6	0.420661	-0.066116	2.4216	2.7	13.281506	2	2.41968	-48.0013
4.74	2.42	10.4	-1.6	0.429752	-0.066116	2.4216	2.7	13.328612	2.1	2.41968	-48.0994
4.75	2.42	10.69	-1.6	0.441736	-0.066116	2.4216	2.7	13.375719	2.1	2.41968	-48.1975
4.76	2.41	11.01	-1.6	0.456846	-0.06639	2.4116	2.7	13.422825	2	2.40968	-48.2956
4.77	2.41	11.2	-1.54	0.46473	-0.0639	2.41154	2.7	13.469932	2	2.409692	-48.3337
4.78	2.41	11.49	-1.54	0.476763	-0.0639	2.41154	2.6	13.515295	2	2.409692	-48.4318
4.79	2.41	11.49	-1.54	0.476763	-0.0639	2.41154	2.6	13.560658	2	2.409692	-48.5299
4.8	2.41	11.65	-1.48	0.483402	-0.061411	2.41148	2.7	13.607764	2	2.409704	-48.568
4.81	2.43	11.8	-1.48	0.485597	-0.060905	2.43148	2.7	13.654871	2	2.429704	-48.6661
4.82	2.45	11.9	-1.42	0.485714	-0.057959	2.45142	2.7	13.701977	2	2.449716	-48.7042
4.83	2.48	12	-1.48	0.483871	-0.059677	2.48148	2.7	13.749084	2	2.479704	-48.8623
4.84	2.51	12.12	-1.42	0.482869	-0.056574	2.51142	2.7	13.79619	2	2.509716	-48.9004
4.85	2.6	12.38	-1.36	0.476154	-0.052308	2.60136	2.7	13.843296	2	2.599728	-48.9385
4.86	2.66	12.51	-1.36	0.470301	-0.051128	2.66136	2.7	13.890403	2	2.659728	-49.0366
4.87	2.66	12.51	-1.36	0.470301	-0.051128	2.66136	2.7	13.937509	2	2.659728	-49.1347
4.88	2.66	12.51	-1.36	0.470301	-0.051128	2.66136	2.7	13.984616	2	2.659728	-49.2328
4.89	0.96	5.62	-0.65	0.585417	-0.067708	0.96065	2.6	14.029979	2	0.95987	-48.6209
4.9	2.81	7.37	-0.59	0.262278	-0.020996	2.81059	2.7	14.077085	2	2.809882	-48.659
4.91	2.9	8.14	-0.59	0.28069	-0.020345	2.90059	2.7	14.124192	2	2.899882	-48.7571
4.92	2.97	8.61	-0.59	0.289899	-0.019865	2.97059	2.6	14.169555	2	2.969882	-48.8552
4.93	3.05	8.97	-0.53	0.294098	-0.017377	3.05053	2.7	14.216661	2	3.049894	-48.8933
4.94	3.13	9.16	-0.47	0.292652	-0.015016	3.13047	2.7	14.263768	2	3.129906	-48.9314
4.95	3.43	9.76	-0.47	0.284548	-0.013703	3.43047	2.7	14.310874	2.1	3.429906	-49.0295
4.96	3.65	10.24	-0.41	0.280548	-0.011233	3.65041	2.7	14.357981	2.1	3.649918	-49.0676
4.97	3.9	10.85	-0.35	0.278205	-0.008974	3.90035	2.7	14.405087	2	3.89993	-49.1057
4.98	4.34	12.12	-0.24	0.279263	-0.00553	4.34024	2.8	14.453937	2	4.339952	-49.0938
4.99	4.09	15.98	-0.77	0.390709	-0.018826	4.09077	2.7	14.501043	2	4.089846	-49.7219
5	5.3	18.7	-0.65	0.35283	-0.012264	5.30065	2.7	14.54815	2	5.29987	-49.7
5.01	6.59	12.51	0.35	0.189833	0.005311	6.58965	2.7	14.595256	2.1	6.59007	-48.7981
5.02	7.33	12.57	0.47	0.171487	0.006412	7.32953	2.7	14.642363	2	7.330094	-48.7762
5.03	8.12	15.82	-0.89	0.194828	-0.010961	8.12089	2.5	14.685982	2	8.119822	-50.2343
5.04	8.13	12	1.6	0.147601	0.01968	8.1284	2.6	14.731345	2	8.13032	-47.8424
5.05	7.57	13.56	4.25	0.179128	0.056143	7.56575	2.6	14.776708	2	7.57085	-45.2905
5.06	6.71	5.97	5.67	0.088972	0.084501	6.70433	2.8	14.825558	2	6.711134	-43.9686
5.07	7.48	21.25	6.56	0.284091	0.087701	7.47344	2.9	14.876151	2	7.481312	-43.1767
5.08	6.84	48.59	15.13	0.71038	0.221199	6.82487	3	14.928487	2	6.843026	-34.7048
5.09	7.07	38.89	16.31	0.550071	0.230693	7.05369	3	14.980823	2	7.073262	-33.6229
5.1	8.34	23.77	17.19	0.285012	0.206115	8.32281	3	15.033158	2	8.343438	-32.841
5.11	9.1	12.47	18.32	0.137033	0.201319	9.08168	2.9	15.083751	2	9.103664	-31.8091
5.12	8.91	36.34	22.63	0.407856	0.253984	8.88737	3.1	15.13783	2	8.914526	-27.5972
5.13	8.55	22.62	22.51	0.264561	0.263275	8.52749	3.1	15.191909	2	8.554502	-27.8153
5.14	8.42	34.71	23.22	0.412233	0.275772	8.39678	2.8	15.240759	2	8.424644	-27.2034
5.15	6.22	59.41	22.98	0.955145	0.369453	6.19702	2.5	15.284378	2	6.224596	-27.5415
5.16	7.41	39.43	23.34	0.532119	0.31498	7.38666	2.4	15.326254	2	7.414668	-27.2796
5.17	6.65	37.55	23.34	0.564662	0.350977	6.62666	2.9	15.376847	2	6.654668	-27.3777
5.18	5.68	22.46	23.69	0.395423	0.417077	5.65631	2.3	15.416979	2	5.684738	-27.1258
5.19	7.08	45.08	23.93	0.636723	0.337994	7.05607	2.8	15.465828	2.1	7.084786	-26.9839
5.2	7.66	29.42	22.22	0.384073	0.290078	7.63778	3.2	15.52165	2.1	7.664444	-28.792
5.21	7.75	39.34	23.1	0.507613	0.298065	7.7269	3	15.573986	2	7.75462	-28.0101
5.22	7.88	65.76	23.34	0.834518	0.296193	7.85666	3.4	15.633292	2	7.884668	-27.8682
5.23	7.78	70.96	23.93	0.912082	0.307584	7.75607	3.1	15.687371	2	7.784786	-27.3763
5.24	7.05	58.64	24.28	0.831773	0.344397	7.02572	3.2	15.743193	2	7.054856	-27.1244
5.25	5.53	84.96	24.4	1.536347	0.44123	5.5056	3.2	15.799014	2	5.53488	-27.1025
5.26	5.73	90.32	24.28	1.576265	0.423735	5.70572	3.2	15.854836	2	5.734856	-27.3206
5.27	5.96	93.42	24.28	1.56745	0.407383	5.93572	3.2	15.910657	2	5.964856	-27.4187
5.28	5.67	96.48	24.87	1.701587	0.438624	5.64513	3.3	15.968221	2	5.674974	-26.9268
5.29	5.07	48.75	24.76	0.961538	0.488363	5.04524	3.2	16.024043	2.1	5.074952	-27.1349
5.3	4.86	60.36	24.64	1.241975	0.506996	4.83536	3.3	16.081607	2.1	4.864928	-27.353
5.31	4.61	64.07	25.17	1.389805	0.545987	4.58483	3.3	16.139171	2.1	4.615034	-26.9211
5.32	4.1	74.05	25.41	1.806098	0.619756	4.07459	3.3	16.196735	2.1	4.105082	-26.7792
5.33	4.03	69.46	25.64	1.723573	0.636228	4.00436	3.3	16.254299	2	4.035128	-26.6473
5.34	3.89	69.23	25.88	1.779692	0.665296	3.86412	3.3	16.311863	2	3.895176	-26.5054
5.35	3.71	64.29	26.17	1.732884	0.705391	3.68383	3.3	16.369427	2.1	3.715234	-26.3135
5.36	3.56	66.9	26.17	1.879213	0.735112	3.53383	3.3	16.426991	2.1	3.565234	-26.4116
5.37	3.44	65.18	26.23	1.894767	0.7625	3.41377	3.3	16.484555	2	3.445246	-26.4497
5.38	3.38	58.51	26.12	1.731065	0.772781	3.35388	3.3	16.542119	2	3.385224	-26.6578
5.39	3.24	37.68	26.17	1.162963	0.807716	3.21383	3.3	16.599683	2	3.245234	-26.7059
5.4	3.12	37.71	26.23	1.208654	0.840705	3.09377	3.3	16.657247	2	3.125246	-26.744
5.41	2.93	39.47	25.64	1.347099	0.875085	2.90436	3.3	16.714811	2	2.935128	-27.4321
5.42	2.85	42.53	25.64	1.492281	0.899649	2.82436	3.3	16.772375	2	2.855128	-27.5302
5.43	2.8	38.92	25.88	1.39	0.924286	2.77412	3.3	16.829939	2.1	2.805176	-27.3883

5.44	2.73	40.52	26	1.484249	0.952381	2.704	3.3	16.887503	2.1	2.7352	-27.3664
5.45	2.68	33.25	26.12	1.240672	0.974627	2.65388	3.3	16.945067	2	2.685224	-27.3445
5.46	2.67	28.14	26.23	1.053933	0.982397	2.64377	3.3	17.002631	2	2.675246	-27.3326
5.47	2.67	26.23	26.29	0.982397	0.984644	2.64371	3.3	17.060195	2	2.675258	-27.3707
5.48	2.7	25.52	26.29	0.945185	0.973704	2.67371	3.3	17.117759	2	2.705258	-27.4688
5.49	2.73	24.12	26.29	0.883516	0.963004	2.70371	3.3	17.175323	2	2.735258	-27.5669
5.5	2.77	22.3	26.29	0.805054	0.949097	2.74371	3.3	17.232887	2	2.775258	-27.665
5.51	2.83	22.43	26.12	0.79258	0.922968	2.80388	3.3	17.290451	2	2.835224	-27.9331
5.52	2.86	22.84	26.12	0.798601	0.913287	2.83388	3.4	17.349758	2	2.865224	-28.0312
5.53	2.89	23.23	26.17	0.803806	0.905536	2.86383	3.3	17.407322	2	2.895234	-28.0793
5.54	2.9	21.03	26.17	0.725172	0.902414	2.87383	3.3	17.464886	2	2.905234	-28.1774
5.55	2.93	18.12	26.23	0.61843	0.895222	2.90377	3.4	17.524192	2	2.935246	-28.2155
5.56	2.95	17.45	26.29	0.591525	0.891186	2.92371	3.4	17.583498	2	2.955258	-28.2536
5.57	2.97	17.36	26.35	0.584512	0.887205	2.94365	3.3	17.641062	2	2.97527	-28.2917
5.58	3.02	17.55	26.41	0.581126	0.874503	2.99359	3.4	17.700369	2	3.025282	-28.3298
5.59	3.03	17.74	26.41	0.585479	0.871617	3.00359	3.4	17.759675	2	3.035282	-28.4279
5.6	3.02	18.03	26.47	0.59702	0.87649	2.99353	3.4	17.818981	2	3.025294	-28.466
5.61	3.03	18.06	26.41	0.59604	0.871617	3.00359	3.4	17.878288	2	3.035282	-28.6241
5.62	3.01	18.15	26.47	0.60299	0.879402	2.98353	3.4	17.937594	2	3.015294	-28.6622
5.63	3.01	18.19	26.47	0.604319	0.879402	2.98353	3.5	17.998643	2	3.015294	-28.7603
5.64	2.98	18.19	26.47	0.610403	0.888255	2.95353	3.5	18.059691	2	2.985294	-28.8584
5.65	2.9	18.31	26.53	0.631379	0.914828	2.87347	3.5	18.12074	2	2.905306	-28.8965
5.66	2.85	18.44	26.53	0.647018	0.930877	2.82347	3.5	18.181788	2	2.855306	-28.9946
5.67	2.81	18.66	26.53	0.664057	0.944128	2.78347	3.4	18.241095	2	2.815306	-29.0927
5.68	2.76	18.98	26.47	0.687681	0.959058	2.73353	3.5	18.302143	2	2.765294	-29.2508
5.69	2.72	19.3	26.47	0.709559	0.973162	2.69353	3.5	18.363192	2	2.725294	-29.3489
5.7	2.67	19.62	26.53	0.734831	0.993633	2.64347	3.5	18.42424	2.1	2.675306	-29.387
5.71	2.64	19.94	26.53	0.755303	1.004924	2.61347	3.5	18.485289	2.1	2.645306	-29.4851
5.72	2.64	20.04	26.53	0.759091	1.004924	2.61347	3.4	18.544595	2	2.645306	-29.5832
5.73	2.68	20.04	26.59	0.747761	0.992164	2.65341	3.5	18.605644	2	2.685318	-29.6213
5.74	2.73	20	26.59	0.732601	0.973993	2.70341	3.5	18.666692	2.1	2.735318	-29.7194
5.75	2.79	20.2	26.65	0.724014	0.955197	2.76335	3.5	18.727741	2.1	2.79533	-29.7575
5.76	2.87	20.51	26.71	0.714634	0.930662	2.84329	3.5	18.788789	2	2.875342	-29.7956
5.77	2.96	20.87	26.65	0.705068	0.900338	2.93335	3.5	18.849838	2	2.96533	-29.9537
5.78	3.06	21.5	26.41	0.702614	0.863072	3.03359	3.5	18.910887	2	3.065282	-30.2918
5.79	3.08	21.09	26.35	0.68474	0.855519	3.05365	3.6	18.973677	2	3.08527	-30.4499
5.8	3.09	20.8	26.35	0.673139	0.852751	3.06365	3.5	19.034726	2	3.09527	-30.548
5.81	3.09	20.48	26.41	0.662783	0.854693	3.06359	3.6	19.097516	2	3.095282	-30.5861
5.82	3.1	20.39	26.35	0.657742	0.85	3.07365	3.6	19.160307	2	3.10527	-30.7442
5.83	3.09	20.2	26.35	0.653722	0.852751	3.06365	3.6	19.223097	2	3.09527	-30.8423
5.84	3.08	20.04	26.41	0.650649	0.857468	3.05359	3.6	19.285888	2	3.085282	-30.8804
5.85	3.06	19.88	26.47	0.649673	0.865033	3.03353	3.6	19.348678	2	3.065294	-30.9185
5.86	3.04	19.97	26.47	0.656908	0.870724	3.01353	3.6	19.411469	2	3.045294	-31.0166
5.87	3.04	19.97	26.47	0.656908	0.870724	3.01353	3.6	19.474259	4.3	3.045294	-31.1147
5.88	3.04	19.97	26.47	0.656908	0.870724	3.01353	3.6	19.53705	2	3.045294	-31.2128
5.89	0.76	1.12	26.53	0.147368	3.490789	0.73347	3.6	19.59984	2	0.765306	-31.2509
5.9	3	14.68	26.71	0.489333	0.890333	2.97329	3.6	19.662631	2	3.005342	-31.169
5.91	3.02	15.09	26.77	0.499669	0.886424	2.99323	3.6	19.725421	2	3.025354	-31.2071
5.92	3.03	15.54	26.71	0.512871	0.881518	3.00329	3.6	19.788212	2	3.035342	-31.3652
5.93	3.04	15.92	26.77	0.523684	0.880592	3.01323	3.6	19.851002	2	3.045354	-31.4033
5.94	3.04	16.37	26.71	0.538487	0.878618	3.01329	3.6	19.913793	2.1	3.045342	-31.5614
5.95	3.03	16.81	26.71	0.554785	0.881518	3.00329	3.6	19.976583	2.1	3.035342	-31.6595
5.96	3.03	17.23	26.77	0.568647	0.883498	3.00323	3.6	20.039374	2	3.035354	-31.6976
5.97	3.03	18.12	26.77	0.59802	0.883498	3.00323	3.6	20.102164	2	3.035354	-31.7957
5.98	3.04	18.57	26.82	0.610855	0.882237	3.01318	3.6	20.164955	2	3.045364	-31.8438
5.99	3.06	18.98	26.82	0.620261	0.876471	3.03318	3.6	20.227745	2	3.065364	-31.9419
6	3.09	19.33	26.88	0.625566	0.869903	3.06312	3.6	20.290536	2.1	3.095376	-31.98
6.01	3.23	19.62	26.94	0.60743	0.834056	3.20306	3.6	20.353326	2	3.235388	-32.0181
6.02	3.34	19.94	27	0.597006	0.808383	3.313	3.6	20.416117	2	3.3454	-32.0562
6.03	3.47	20.23	27.06	0.582997	0.779827	3.44294	3.6	20.478908	2.1	3.475412	-32.0943
6.04	3.75	20.71	27.12	0.552267	0.7232	3.72288	3.6	20.541698	2.1	3.755424	-32.1324
6.05	3.86	20.99	27.12	0.543782	0.702591	3.83288	3.7	20.60623	2	3.865424	-32.2305
6.06	3.94	21.03	27.06	0.533756	0.686802	3.91294	3.7	20.670763	2	3.945412	-32.3886
6.07	4.01	21.12	27.06	0.526683	0.674813	3.98294	3.7	20.735295	2	4.015412	-32.4867
6.08	4.06	21.03	27.06	0.51798	0.666502	4.03294	3.7	20.799827	2	4.065412	-32.5848
6.09	4.09	20.83	27.06	0.509291	0.661614	4.06294	3.7	20.86436	2	4.095412	-32.6829
6.1	4.12	20.74	27.12	0.503398	0.658252	4.09288	3.7	20.928892	2	4.125424	-32.721
6.11	4.12	20.67	27.18	0.501699	0.659709	4.09282	3.7	20.993424	2	4.125436	-32.7591
6.12	4.12	20.64	27.24	0.500971	0.661165	4.09276	3.7	21.057957	2	4.125448	-32.7972
6.13	4.11	20.67	27.24	0.50292	0.662774	4.08276	3.7	21.122489	2.1	4.115448	-32.8953
6.14	4.1	20.83	27.24	0.508049	0.66439	4.07276	3.7	21.187021	2.1	4.105448	-32.9934
6.15	4.08	20.96	27.24	0.513725	0.667647	4.05276	3.7	21.251553	2	4.085448	-33.0915

6.16	4.06	21.12	27.3	0.520197	0.672414	4.0327	3.7	21.316086	2	4.06546	-33.1296
6.17	4.04	21.25	27.3	0.52599	0.675743	4.0127	3.7	21.380618	2	4.04546	-33.2277
6.18	4	21.57	27.3	0.53925	0.6825	3.9727	3.7	21.44515	2	4.00546	-33.3258
6.19	3.96	21.76	27.36	0.549495	0.690909	3.93264	3.7	21.509683	2	3.965472	-33.3639
6.2	3.94	22.01	27.36	0.558629	0.694416	3.91264	3.7	21.574215	2	3.945472	-33.462
6.21	3.91	22.37	27.36	0.572123	0.699744	3.88264	3.7	21.638747	2	3.915472	-33.5601
6.22	3.89	22.68	27.42	0.583033	0.704884	3.86258	3.7	21.70328	2	3.895484	-33.5982
6.23	3.87	23.04	27.42	0.595349	0.708527	3.84258	3.7	21.767812	2	3.875484	-33.6963
6.24	3.84	23.67	27.47	0.616406	0.715365	3.81253	3.7	21.832344	2	3.845494	-33.7444
6.25	3.84	23.8	27.47	0.619792	0.715365	3.81253	3.8	21.898618	2	3.845494	-33.8425
6.26	3.86	23.93	27.53	0.619948	0.713212	3.83247	3.7	21.96315	2	3.865506	-33.8806
6.27	3.87	23.93	27.59	0.618346	0.71292	3.84241	3.8	22.029424	2	3.875518	-33.9187
6.28	3.9	23.77	27.59	0.609487	0.707436	3.87241	3.7	22.093957	2.1	3.905518	-34.0168
6.29	3.93	23.71	27.65	0.603308	0.703562	3.90235	3.8	22.160231	2.1	3.93553	-34.0549
6.3	3.99	23.64	27.65	0.592481	0.692982	3.96235	3.7	22.224763	2.1	3.99553	-34.153
6.31	4.13	23.45	27.77	0.567797	0.672397	4.10223	3.9	22.292778	2.1	4.135554	-34.1311
6.32	4.2	23.29	27.83	0.554524	0.662619	4.17217	3.7	22.35731	2	4.205566	-34.1692
6.33	4.27	23.1	27.89	0.540984	0.653162	4.24211	3.9	22.425326	2	4.275578	-34.2073
6.34	4.35	22.91	27.89	0.526667	0.641149	4.32211	3.9	22.493341	2.1	4.355578	-34.3054
6.35	4.43	22.81	27.95	0.514898	0.630926	4.40205	3.9	22.561356	2.1	4.43559	-34.3435
6.36	4.5	22.78	28.01	0.506222	0.622444	4.47199	3.9	22.629372	2	4.505602	-34.3816
6.37	4.58	22.75	28.06	0.496725	0.612664	4.55194	3.9	22.697387	2	4.585612	-34.4297
6.38	4.69	22.84	28.12	0.486994	0.599574	4.66188	3.9	22.765402	2	4.695624	-34.4678
6.39	4.7	22.94	28.12	0.488085	0.598298	4.67188	3.9	22.833417	2	4.705624	-34.5659
6.4	4.65	23.16	28.18	0.498065	0.606022	4.62182	3.9	22.901433	2	4.655636	-34.604
6.41	4.57	23.42	28.18	0.512473	0.61663	4.54182	3.9	22.969448	2	4.575636	-34.7021
6.42	4.51	23.74	28.18	0.526386	0.624834	4.48182	3.9	23.037463	2	4.515636	-34.8002
6.43	4.44	24.18	28.18	0.544595	0.634685	4.41182	3.9	23.105479	2	4.445636	-34.8983
6.44	4.4	24.63	28.18	0.559773	0.640455	4.37182	3.9	23.173494	2.1	4.405636	-34.9964
6.45	4.33	25.46	28.24	0.587991	0.652194	4.30176	3.9	23.241509	2.1	4.335648	-35.0345
6.46	4.31	25.84	28.24	0.599536	0.65522	4.28176	3.9	23.309525	2	4.315648	-35.1326
6.47	4.31	26.07	28.24	0.604872	0.65522	4.28176	3.9	23.37754	2	4.315648	-35.2307
6.48	4.3	26.29	28.3	0.611395	0.65814	4.2717	3.9	23.445555	2	4.30566	-35.2688
6.49	4.31	26.39	28.3	0.612297	0.656613	4.2817	3.9	23.51357	2	4.31566	-35.3669
6.5	4.31	26.45	28.36	0.613689	0.658005	4.28164	3.9	23.581586	2.1	4.315672	-35.405
6.51	4.31	26.61	28.36	0.617401	0.658005	4.28164	3.9	23.649601	2.1	4.315672	-35.5031
6.52	4.28	26.55	28.42	0.620327	0.664019	4.25158	3.9	23.717616	2	4.285684	-35.5412
6.53	4.27	26.42	28.48	0.618735	0.666979	4.24152	3.9	23.785632	2	4.275696	-35.5793
6.54	4.24	26.13	28.48	0.616274	0.671698	4.21152	3.9	23.853647	2	4.245696	-35.6774
6.55	4.22	25.81	28.54	0.611611	0.676303	4.19146	3.9	23.921662	2	4.225708	-35.7155
6.56	4.18	25.56	28.54	0.611483	0.682775	4.15146	3.9	23.989677	2	4.185708	-35.8136
6.57	4.16	25.36	28.54	0.609615	0.686058	4.13146	3.9	24.057693	2	4.165708	-35.9117
6.58	4.09	25.11	28.6	0.613936	0.699267	4.0614	3.9	24.125708	2	4.09572	-35.9498
6.59	4.06	25.08	28.6	0.617734	0.704433	4.0314	3.9	24.193723	2	4.06572	-36.0479
6.6	4.03	25.08	28.6	0.622333	0.709677	4.0014	3.9	24.261739	2	4.03572	-36.146
6.61	3.98	25.11	28.66	0.630905	0.720101	3.95134	3.9	24.329754	2.1	3.985732	-36.1841
6.62	3.95	25.17	28.71	0.637215	0.726835	3.92129	4	24.39951	2.1	3.955742	-36.2322
6.63	3.92	25.17	28.71	0.642092	0.732398	3.89129	4	24.469267	2	3.925742	-36.3303
6.64	3.92	25.27	28.77	0.644643	0.733929	3.89123	4	24.539023	2	3.925754	-36.3684
6.65	3.93	25.27	28.83	0.643003	0.733588	3.90117	4	24.60878	2	3.935766	-36.4065
6.66	3.96	25.52	28.83	0.644444	0.72803	3.93117	4	24.678536	2	3.965766	-36.5046
6.67	4	25.59	28.89	0.63975	0.72225	3.97111	4	24.748293	2.1	4.005778	-36.5427
6.68	4.05	25.75	28.89	0.635802	0.713333	4.02111	4	24.818049	2.1	4.055778	-36.6408
6.69	4.1	25.84	28.95	0.630244	0.706098	4.07105	4	24.887806	2	4.10579	-36.6789
6.7	4.26	25.97	29.07	0.609624	0.682394	4.23093	4	24.957562	2	4.265814	-36.657
6.71	4.35	25.97	29.13	0.597011	0.669655	4.32087	4.1	25.02906	2	4.355826	-36.6951
6.72	4.45	25.84	29.19	0.580674	0.655955	4.42081	4.1	25.100557	2	4.455838	-36.7332
6.73	4.56	26.19	29.19	0.574342	0.640132	4.53081	4	25.170313	2	4.565838	-36.8313
6.74	4.69	26.16	29.25	0.557783	0.623667	4.66075	4.1	25.241811	2	4.69585	-36.8694
6.75	4.8	26.26	29.31	0.547083	0.610625	4.77069	4.1	25.313308	2	4.805862	-36.9075
6.76	4.9	26.32	29.31	0.537143	0.598163	4.87069	4.1	25.384806	2	4.905862	-37.0056
6.77	5.03	26.42	29.36	0.525249	0.583698	5.00064	4	25.454562	2	5.035872	-37.0537
6.78	5.09	26.55	29.42	0.521611	0.577996	5.06058	4.1	25.52606	2	5.095884	-37.0918
6.79	5.16	26.55	29.36	0.514535	0.568992	5.13064	4.1	25.597557	2	5.165872	-37.2499
6.8	5.22	26.26	29.13	0.503065	0.558046	5.19087	4.1	25.669055	2	5.225826	-37.578
6.81	5.25	26.51	28.71	0.504952	0.546857	5.22129	4.1	25.740552	2	5.255742	-38.0961
6.82	5.28	26.45	28.24	0.500947	0.534848	5.25176	4.1	25.81205	2	5.285648	-38.6642
6.83	5.28	25.97	27.3	0.491856	0.517045	5.2527	4.2	25.885288	2	5.28546	-39.7023
6.84	5.2	24.5	27.18	0.471154	0.522692	5.17282	4.1	25.956785	2	5.205436	-39.9204
6.85	5.08	23.04	27.24	0.453543	0.53622	5.05276	4.1	26.028283	2	5.085448	-39.9585
6.86	4.96	20.93	27.36	0.421976	0.551613	4.93264	4.1	26.09978	2	4.965472	-39.9366
6.87	4.96	20.93	27.36	0.421976	0.551613	4.93264	4.1	26.171277	2.1	4.965472	-40.0347

6.88	4.96	20.93	27.36	0.421976	0.551613	4.93264	4.1	26.242775	4.4	4.965472	-40.1328
6.89	4.51	13.94	29.13	0.309091	0.645898	4.48087	4.2	26.316013	4.4	4.515826	-38.4609
6.9	4.79	13.78	29.19	0.287683	0.609395	4.76081	4.2	26.389251	2	4.795838	-38.499
6.91	4.84	14.13	29.25	0.291942	0.604339	4.81075	4.2	26.46249	2	4.84585	-38.5371
6.92	4.92	14.52	29.31	0.295122	0.595732	4.89069	4.2	26.535728	2	4.925862	-38.5752
6.93	5.09	15.41	29.42	0.30275	0.577996	5.06058	4.2	26.608966	2	5.095884	-38.5633
6.94	5.19	16.05	29.48	0.309249	0.568015	5.16052	4.2	26.682204	2	5.195896	-38.6014
6.95	5.28	16.97	29.54	0.321402	0.55947	5.25046	4.2	26.755442	2	5.285908	-38.6395
6.96	5.38	17.58	29.6	0.326766	0.550186	5.3504	4.2	26.828681	2.1	5.38592	-38.6776
6.97	5.47	18.5	29.66	0.338208	0.54223	5.44034	4.2	26.901919	2.1	5.475932	-38.7157
6.98	5.55	19.59	29.72	0.352973	0.535495	5.52028	4.2	26.975157	2	5.555944	-38.7538
6.99	5.71	20.39	29.72	0.357093	0.52049	5.68028	4.2	27.048395	2	5.715944	-38.8519
7	6.2	22.11	29.9	0.356613	0.482258	6.1701	4.2	27.121633	2.1	6.20598	-38.77
7.01	6.63	22.78	29.9	0.34359	0.45098	6.6001	4.2	27.194872	2	6.63598	-38.8681
7.02	6.78	23.04	29.66	0.339823	0.437463	6.75034	4.2	27.26811	2	6.785932	-39.2062
7.03	6.83	22.84	28.54	0.334407	0.417862	6.80146	4.2	27.341348	2	6.835708	-40.4243
7.04	6.79	24.69	28.01	0.363623	0.412518	6.76199	4.2	27.414586	2	6.795602	-41.0524
7.05	6.59	24.31	26.77	0.368892	0.406222	6.56323	4.2	27.487824	2	6.595354	-42.3905
7.06	6.42	24.09	26.12	0.375234	0.406854	6.39388	4.2	27.561062	2	6.425224	-43.1386
7.07	6.22	24.53	25.52	0.394373	0.410289	6.19448	4.2	27.634301	2	6.225104	-43.8367
7.08	5.98	25.52	25.47	0.426756	0.42592	5.95453	4.2	27.707539	2	5.985094	-43.9848
7.09	5.68	25.11	25.7	0.442077	0.452465	5.6543	4.2	27.780777	2	5.68514	-43.8529
7.1	5.42	23.13	25.76	0.426753	0.475277	5.39424	4.2	27.854015	2	5.425152	-43.891
7.11	4.99	19.37	25.94	0.388176	0.51984	4.96406	4.4	27.930734	2	4.995188	-43.8091
7.12	4.86	19.08	26	0.392593	0.534979	4.834	4.4	28.007453	2	4.8652	-43.8472
7.13	4.79	19.11	26	0.398956	0.542797	4.764	4.2	28.080692	2.1	4.7952	-43.9453
7.14	4.78	19.4	26.12	0.405858	0.546444	4.75388	4.3	28.15567	2.1	4.785224	-43.9234
7.15	4.81	19.69	26.17	0.409356	0.544075	4.78383	4.2	28.228908	2	4.815234	-43.9715
7.16	4.85	20.26	26.23	0.417732	0.540825	4.82377	4.4	28.305627	2	4.855246	-44.0096
7.17	4.87	21.18	26.29	0.434908	0.539836	4.84371	4.3	28.380606	2	4.875258	-44.0477
7.18	4.86	22.27	26.41	0.45823	0.543416	4.83359	4.4	28.457325	2	4.865282	-44.0258
7.19	4.84	23.39	26.41	0.483264	0.545661	4.81359	4.4	28.534044	2	4.845282	-44.1239
7.2	4.8	24.73	26.47	0.515208	0.551458	4.77353	4.4	28.610763	2	4.805294	-44.162
7.21	4.78	25.87	26.53	0.541213	0.555021	4.75347	4.4	28.687482	2.1	4.785306	-44.2001
7.22	4.72	26.26	26.53	0.556356	0.562076	4.69347	4.4	28.764201	2.1	4.725306	-44.2982
7.23	4.68	25.87	26.59	0.552778	0.568162	4.65341	4.4	28.84092	2	4.685318	-44.3363
7.24	4.51	24.89	26.65	0.551885	0.590909	4.48335	4.4	28.917639	2	4.51533	-44.3744
7.25	4.43	24.47	26.71	0.55237	0.602935	4.40329	4.4	28.994358	2	4.435342	-44.4125
7.26	4.39	24.22	26.77	0.551708	0.609795	4.36323	4.4	29.071077	2	4.395354	-44.4506
7.27	4.39	24.09	26.82	0.548747	0.610934	4.36318	4.4	29.147796	2	4.395364	-44.4987
7.28	4.43	24.06	26.88	0.543115	0.606772	4.40312	4.4	29.224516	2	4.435376	-44.5368
7.29	4.57	24.18	27	0.529103	0.59081	4.543	4.4	29.301235	2	4.5754	-44.5149
7.3	4.82	24.69	27.12	0.512241	0.562656	4.79288	4.4	29.377954	2	4.825424	-44.493
7.31	5.69	26.51	27.53	0.465905	0.483831	5.66247	4.4	29.454673	2	5.695506	-44.1811
7.32	6.43	27.34	27.71	0.425194	0.430949	6.40229	4.4	29.531392	2	6.435542	-44.0992
7.33	7.32	27.18	27.83	0.371311	0.380191	7.29217	4.4	29.608111	2	7.325566	-44.0773
7.34	8.21	26.64	27.65	0.324482	0.336784	8.18235	4.4	29.68483	2	8.21553	-44.3554
7.35	9.06	27.34	27.3	0.301766	0.301325	9.0327	4.4	29.761549	2	9.06546	-44.8035
7.36	9.79	29.48	26.94	0.301124	0.275179	9.76306	4.4	29.838268	2	9.795388	-45.2616
7.37	10.83	31.97	23.57	0.295199	0.217636	10.80643	4.5	29.916727	2	10.834714	-48.7297
7.38	11.05	30.15	27.47	0.272851	0.248597	11.02253	4.5	29.995186	2	11.055494	-44.9278
7.39	11.09	32.1	28.48	0.28945	0.256808	11.06152	4.5	30.073645	2	11.095696	-44.0159
7.4	11.03	35.06	27.36	0.31786	0.248051	11.00264	4.5	30.152104	2	11.035472	-45.234
7.41	10.85	37.49	27.18	0.34553	0.250507	10.82282	4.5	30.230563	2	10.855436	-45.5121
7.42	10.72	37.49	27.18	0.34972	0.253545	10.69282	4.5	30.309022	2	10.725436	-45.6102
7.43	10.54	37.14	27.36	0.352372	0.259583	10.51264	4.5	30.387481	2	10.545472	-45.5283
7.44	10.3	33.47	27.65	0.324951	0.268447	10.27235	4.5	30.465941	2.1	10.30553	-45.3364
7.45	10.08	33.31	27.65	0.330456	0.274306	10.05235	4.5	30.5444	2.1	10.08553	-45.4345
7.46	9.84	35.64	27.89	0.362195	0.283435	9.81211	4.5	30.622859	2	9.845578	-45.2926
7.47	9.63	35.19	27.95	0.365421	0.290239	9.60205	4.5	30.701318	2	9.63559	-45.3307
7.48	9.47	35.73	28.06	0.377297	0.296304	9.44194	4.5	30.779777	2	9.475612	-45.3188
7.49	9.31	36.28	28.12	0.389689	0.302041	9.28188	4.5	30.858236	2	9.315624	-45.3569
7.5	9.01	36.28	28.24	0.402664	0.31343	8.98176	4.5	30.936695	2.1	9.015648	-45.335
7.51	8.9	38.35	28.3	0.430899	0.317978	8.8717	4.5	31.015154	2.1	8.90566	-45.3731
7.52	8.78	40.3	28.36	0.458998	0.323007	8.75164	4.5	31.093613	2	8.785672	-45.4112
7.53	8.65	41.89	28.36	0.484277	0.327861	8.62164	4.5	31.172072	2	8.655672	-45.5093
7.54	8.51	43.14	28.42	0.506933	0.33396	8.48158	4.5	31.250531	2	8.515684	-45.5474
7.55	8.38	42.47	28.48	0.506802	0.339857	8.35152	4.5	31.328991	2	8.385696	-45.5855
7.56	7.9	42.11	28.54	0.533038	0.361266	7.87146	4.5	31.40745	2	7.905708	-45.6236
7.57	7.62	41.99	28.54	0.55105	0.374541	7.59146	4.5	31.485909	2	7.625708	-45.7217
7.58	7.28	41.92	28.54	0.575824	0.392033	7.25146	4.5	31.564368	2	7.285708	-45.8198
7.59	6.87	40.77	28.48	0.59345	0.414556	6.84152	4.5	31.642827	2	6.875696	-45.9779

7.6	6.39	39.21	28.48	0.613615	0.445696	6.36152	4.5	31.721286	2.1	6.395696	-46.076
7.61	5.83	38.7	28.42	0.663808	0.487479	5.80158	4.5	31.799745	2.1	5.835684	-46.2341
7.62	5.24	38.83	28.42	0.741031	0.542366	5.21158	4.5	31.878204	2	5.245684	-46.3322
7.63	3.97	40.9	28.24	1.030227	0.711335	3.94176	4.6	31.958403	2	3.975648	-46.6103
7.64	3.35	44.16	28.18	1.318209	0.841194	3.32182	4.5	32.036862	2.1	3.355636	-46.7684
7.65	2.89	47.63	28.12	1.648097	0.97301	2.86188	4.6	32.117061	2.1	2.895624	-46.9265
7.66	2.6	50.76	28.06	1.952308	1.079231	2.57194	4.6	32.19726	2.1	2.605612	-47.0846
7.67	2.43	54.43	28.01	2.239918	1.152675	2.40199	4.6	32.277459	2.1	2.435602	-47.2327
7.68	2.31	58.19	27.89	2.519048	1.207359	2.28211	4.6	32.357658	2	2.315578	-47.4508
7.69	2.08	64.38	32.2	3.095192	1.548077	2.0478	4.6	32.437857	2	2.08644	-43.2389
7.7	1.71	79.22	37.4	4.632749	2.187135	1.6726	4.6	32.518056	2	1.71748	-38.137
7.71	1.67	81.96	37.52	4.907784	2.246707	1.63248	4.7	32.599994	2	1.677504	-38.1151
7.72	1.54	86.43	37.99	5.612338	2.466883	1.50201	4.7	32.681933	2	1.547598	-37.7432
7.73	1.41	84.07	57.02	5.962411	4.043972	1.35298	4.7	32.763871	2	1.421404	-18.8113
7.74	1.35	83.08	66.41	6.154074	4.919259	1.28359	4.7	32.84581	2.1	1.363282	-9.5194
7.75	1.32	80.98	73.8	6.134848	5.590909	1.2462	4.7	32.927748	2.1	1.33476	-2.2275
7.76	1.3	77.88	96.07	5.990769	7.39	1.20393	4.7	33.009687	2	1.319214	19.9444
7.77	1.27	70.54	148.42	5.554331	11.686614	1.12158	4.7	33.091625	2	1.299684	72.1963
7.78	1.25	66.55	152.79	5.324	12.2232	1.09721	4.7	33.173564	2.1	1.280558	76.4682
7.79	1.21	63.04	156.93	5.209917	12.969421	1.05307	4.7	33.255502	2.1	1.241386	80.5101
7.8	1.18	59.6	160.59	5.050847	13.609322	1.01941	4.7	33.337441	2.1	1.212118	84.072
7.81	1.17	56.22	164.02	4.805128	14.018803	1.00598	4.7	33.419379	2	1.202804	87.4039
7.82	1.16	51.94	167.33	4.477586	14.425	0.99267	4.7	33.501318	2	1.193466	90.6158
7.83	1.16	44.06	170.58	3.798276	14.705172	0.98942	4.7	33.583256	2	1.194116	93.7677
7.84	1.16	30.98	174.06	2.67069	15.005172	0.98594	4.8	33.666934	2	1.194812	97.1496
7.85	1.17	23.29	180.8	1.990598	15.452991	0.9892	4.8	33.750612	2.1	1.20616	103.7915
7.86	1.15	18.98	184.7	1.650435	16.06087	0.9653	4.8	33.83429	2.1	1.18694	107.5934
7.87	1.15	18.98	184.7	1.650435	16.06087	0.9653	4.8	33.917968	2.7	1.18694	107.4953
7.88	1.15	18.98	184.7	1.650435	16.06087	0.9653	4.8	34.001646	2.7	1.18694	107.3972
7.89	1.24	15.09	289.22	1.216935	23.324194	0.95078	4.8	34.085323	2	1.297844	211.8191
7.9	1.23	13.72	291.23	1.115447	23.677236	0.93877	4.8	34.169001	2	1.288246	213.731
7.91	1.2	12.28	293.18	1.023333	24.431667	0.90682	4.8	34.252679	2	1.258636	215.5829
7.92	1.19	11.84	295.3	0.994958	24.815126	0.8947	4.8	34.336357	2	1.24906	217.6048
7.93	1.17	11.71	298.97	1.000855	25.552991	0.87103	4.8	34.420035	2	1.229794	221.1767
7.94	1.18	11.84	301.39	1.00339	25.541525	0.87861	4.9	34.505452	2	1.240278	223.4986
7.95	1.2	11.96	303.93	0.996667	25.3275	0.89607	4.9	34.590869	2	1.260786	225.9405
7.96	1.2	12.28	307	1.023333	25.583333	0.893	4.9	34.676286	2	1.2614	228.9124
7.97	1.21	12.47	309.78	1.030579	25.601653	0.90022	4.9	34.761703	2	1.271956	231.5943
7.98	1.2	12.6	312.61	1.05	26.050833	0.88739	4.9	34.847119	2	1.262522	234.3262
7.99	1.21	12.47	317.7	1.030579	26.256198	0.8923	5	34.934275	2	1.27354	239.3181
8	1.2	12.76	319.82	1.063333	26.651667	0.88018	5	35.021431	2	1.263964	241.34
8.01	1.17	12.12	323.78	1.035897	27.673504	0.84622	5	35.108587	2.1	1.234756	245.2019
8.02	1.16	12.28	326.5	1.058621	28.146552	0.8335	5	35.195742	2	1.2253	247.8238
8.03	1.17	12	329.34	1.025641	28.148718	0.84066	5	35.282898	2	1.235868	250.5657
8.04	1.17	12.03	331.99	1.028205	28.375214	0.83801	5	35.370054	2	1.236398	253.1176
8.05	1.16	12.03	336.19	1.037069	28.981897	0.82381	5	35.45721	2.1	1.227238	257.2195
8.06	1.15	11.87	338.14	1.032174	29.403478	0.81186	5	35.544365	2.1	1.217628	259.0714
8.07	1.13	12	340.03	1.061947	30.09115	0.78997	5	35.631521	2.1	1.198006	260.8633
8.08	1.13	12	342.04	1.061947	30.269027	0.78796	5.1	35.720415	2.1	1.198408	262.7752
8.09	1.12	11.96	344.52	1.067857	30.760714	0.77548	5	35.807571	2	1.188904	265.1571
8.1	1.14	11.71	346.77	1.027193	30.418421	0.79323	5.1	35.896465	2	1.209354	267.309
8.11	1.15	11.45	348.66	0.995652	30.318261	0.80134	5.1	35.98536	2	1.219732	269.1009
8.12	1.16	11.07	352.38	0.95431	30.377586	0.80762	5.2	36.075992	2	1.230476	272.7228
8.13	1.16	11.29	354.74	0.973276	30.581034	0.80526	5.2	36.166625	2.1	1.230948	274.9847
8.14	1.15	11.55	356.81	1.004348	31.026957	0.79319	5.1	36.255519	2.1	1.221362	276.9566
8.15	1.12	12.16	359.17	1.085714	32.06875	0.76083	5.2	36.346152	2	1.191834	279.2185
8.16	1.07	12.63	361.48	1.180374	33.783178	0.70852	5.2	36.436784	2	1.142296	281.4304
8.17	1.05	12.6	363.55	1.2	34.62381	0.68645	5.2	36.527417	2	1.12271	283.4023
8.18	1.07	12.47	365.85	1.165421	34.191589	0.70415	5.2	36.61805	2	1.14317	285.6042
8.19	1.09	12.19	370.28	1.118349	33.970642	0.71972	5.2	36.708682	2.1	1.164056	289.9361
8.2	1.11	12.16	372.41	1.095495	33.55045	0.73759	5.2	36.799315	2.1	1.184482	291.968
8.21	1.16	12.06	374.71	1.039655	32.302586	0.78529	5.2	36.889947	2	1.234942	294.1699
8.22	1.24	12.32	377.67	0.993548	30.457258	0.86233	5.2	36.98058	2	1.315534	297.0318
8.23	1.37	12.73	380.74	0.929197	27.791241	0.98926	5.2	37.071212	2.1	1.446148	300.0037
8.24	1.5	12.99	383.4	0.866	25.56	1.1166	5.2	37.161845	2.1	1.57668	302.5656
8.25	1.65	13.27	385.82	0.804242	23.38303	1.26418	5.2	37.252478	2	1.727164	304.8875
8.26	2.1	14.77	387.83	0.703333	18.468095	1.71217	5.2	37.34311	2	2.177566	306.7994
8.27	2.46	16.27	372.76	0.661382	15.152846	2.08724	5.2	37.433743	2	2.534552	291.6313
8.28	2.8	19.08	347.71	0.681429	12.418214	2.45229	5.2	37.524375	2	2.869542	266.4832
8.29	3.1	23.16	315.98	0.747097	10.192903	2.78402	5.2	37.615008	2.1	3.163196	234.6551
8.3	3.24	27.63	263.75	0.852778	8.140432	2.97625	5.2	37.705641	2.1	3.29275	182.327
8.31	3.19	30.37	209.22	0.952038	6.558621	2.98078	5.2	37.796273	2	3.231844	127.6989

8.32	3.01	32.35	158.64	1.074751	5.270432	2.85136	5.2	37.886906	2	3.041728	77.0208
8.33	2.57	30.63	151.79	1.191829	5.906226	2.41821	5.2	37.977538	2.1	2.600358	70.0727
8.34	2.31	25.65	150.84	1.11039	6.52987	2.15916	5.2	38.068171	2.1	2.340168	69.0246
8.35	2.02	24.82	148.66	1.228713	7.359406	1.87134	5.2	38.158803	2	2.049732	66.7465
8.36	1.75	27.82	147.83	1.589714	8.447429	1.60217	5.2	38.249436	2	1.779566	65.8184
8.37	1.53	31.65	149.19	2.068627	9.75098	1.38081	5.2	38.340069	2	1.559838	67.0803
8.38	1.39	30.09	151.85	2.164748	10.92446	1.23815	5.3	38.432439	2	1.42037	69.6422
8.39	1.35	29.64	156.04	2.195556	11.558519	1.19396	5.2	38.523072	2.1	1.381208	73.7341
8.4	1.37	29	157.52	2.116788	11.49781	1.21248	5.3	38.615442	2.1	1.401504	75.116
8.41	1.44	30.21	158.88	2.097917	11.033333	1.28112	5.3	38.707813	2.1	1.471776	76.3779
8.42	1.48	31.71	160.3	2.142568	10.831081	1.3197	5.3	38.800184	2	1.51206	77.6998
8.43	1.55	33.25	161.54	2.145161	10.421935	1.38846	5.3	38.892554	2	1.582308	78.8417
8.44	1.6	34.43	162.25	2.151875	10.140625	1.43775	5.3	38.984925	2.1	1.63245	79.4536
8.45	1.58	34.39	162.36	2.176582	10.275949	1.41764	5.3	39.077295	2.1	1.612472	79.4655
8.46	1.52	34.39	164.37	2.2625	10.813816	1.35563	5.3	39.169666	2	1.552874	81.3774
8.47	1.6	31.91	166.56	1.994375	10.41	1.43344	5.3	39.262036	2	1.633312	83.4693
8.48	1.84	29.58	168.57	1.607609	9.161413	1.67143	5.3	39.354407	2	1.873714	85.3812
8.49	2.34	26.83	170.58	1.146581	7.289744	2.16942	5.3	39.446778	2	2.374116	87.2931
8.5	3.22	26.42	172.58	0.820497	5.359627	3.04742	5.3	39.539148	2	3.254516	89.195
8.51	4.44	28.27	174.06	0.636712	3.92027	4.26594	5.3	39.631519	2	4.474812	90.5769
8.52	5.63	32.03	174.53	0.568917	3.1	5.45547	5.3	39.723889	2	5.664906	90.9488
8.53	6.38	37.55	149.48	0.588558	2.342947	6.23052	5.3	39.81626	2	6.409896	65.8007
8.54	5.98	36.95	124.61	0.617893	2.083779	5.85539	5.3	39.908631	2	6.004922	40.8326
8.55	5.53	38.09	114.45	0.688788	2.06962	5.41555	5.3	40.001001	2	5.55289	30.5745
8.56	5.09	35.89	108.18	0.705108	2.125344	4.98182	5.3	40.093372	2	5.111636	24.2064
8.57	4.63	33.47	104.58	0.722894	2.258747	4.52542	5.3	40.185742	2	4.650916	20.5083
8.58	4.17	31.81	103.93	0.76283	2.492326	4.06607	5.3	40.278113	2.1	4.190786	19.7602
8.59	3.65	29.67	103.93	0.812877	2.847397	3.54607	5.3	40.370483	2.1	3.670786	19.6621
8.6	2.82	32.89	103.57	1.166312	3.672695	2.71643	5.3	40.462854	2.1	2.840714	19.204
8.61	2.55	36.79	103.4	1.442745	4.054902	2.4466	5.3	40.555225	2.1	2.57068	18.9359
8.62	2.31	41.32	103.28	1.788745	4.470996	2.20672	5.5	40.65107	2	2.330656	18.7178
8.63	2.14	47.09	103.04	2.200467	4.814953	2.03696	5.3	40.743441	2	2.160608	18.3797
8.64	2.02	53.95	102.92	2.670792	5.09505	1.91708	5.5	40.839287	2.1	2.040584	18.1616
8.65	1.83	60.59	103.22	3.310929	5.640437	1.72678	5.5	40.935133	2.1	1.850644	18.3635
8.66	1.61	68.37	104.4	4.246584	6.484472	1.5056	5.3	41.027503	2	1.63088	19.4454
8.67	1.47	74.4	106.47	5.061224	7.242857	1.36353	5.5	41.123349	2	1.491294	21.4173
8.68	1.55	71.4	108.12	4.606452	6.975484	1.44188	5.5	41.219195	2	1.571624	22.9692
8.69	1.68	70.92	109.78	4.221429	6.534524	1.57022	5.5	41.31504	2	1.701956	24.5311
8.7	1.84	68.95	111.08	3.747283	6.036957	1.72892	5.5	41.410886	2	1.862216	25.733
8.71	1.95	66.14	111.67	3.391795	5.726667	1.83833	5.5	41.506732	2	1.972334	26.2249
8.72	2.06	64.35	112.5	3.123786	5.461165	1.9475	5.5	41.602578	2	2.0825	26.9568
8.73	2.34	62.28	113.91	2.661538	4.867949	2.22609	5.5	41.698423	2	2.362782	28.2687
8.74	2.47	62.47	114.33	2.52915	4.628745	2.35567	5.5	41.794269	2.1	2.492866	28.5906
8.75	2.58	60.14	114.86	2.331008	4.451938	2.46514	5.5	41.890115	2.1	2.602972	29.0225
8.76	2.74	57.05	115.39	2.082117	4.211314	2.62461	5.5	41.985961	2	2.763078	29.4544
8.77	3.04	57.27	116.16	1.883882	3.821053	2.92384	5.5	42.081806	2	3.063232	30.1263
8.78	3.47	59.76	116.57	1.72219	3.359366	3.35343	5.5	42.177652	2	3.493314	30.4382
8.79	3.89	61.99	116.34	1.593573	2.990746	3.77366	5.5	42.273498	2	3.913268	30.1101
8.8	4.58	59.92	114.39	1.308297	2.497598	4.46561	5.5	42.369344	2	4.602878	28.062
8.81	4.85	58.67	112.91	1.209691	2.328041	4.73709	5.5	42.465189	2	4.872582	26.4839
8.82	5.09	57.91	111.67	1.137721	2.19391	4.97833	5.5	42.561035	2	5.112334	25.1458
8.83	5.26	57.27	110.9	1.088783	2.108365	5.1491	5.5	42.656881	2	5.28218	24.2777
8.84	5.32	53.35	110.55	1.00282	2.078008	5.20945	5.5	42.752727	2	5.34211	23.8296
8.85	5.39	47.16	110.13	0.874954	2.043228	5.27987	5.5	42.848572	2	5.412026	23.3115
8.86	5.45	38.89	109.42	0.713578	2.007706	5.34058	5.5	42.944418	2	5.471884	22.5034
8.87	5.45	38.89	109.42	0.713578	2.007706	5.34058	5.5	43.040264	2	5.471884	22.4053
8.88	5.45	38.89	109.42	0.713578	2.007706	5.34058	5.5	43.13611	2	5.471884	22.3072
8.89	1.98	19.62	116.99	0.990909	5.908586	1.86301	5.5	43.231955	2	2.003398	29.7791
8.9	5.68	36.5	114.68	0.642606	2.019014	5.56532	5.6	43.329538	2	5.702936	27.371
8.91	5.59	35.13	113.86	0.628444	2.036852	5.47614	5.5	43.425384	2	5.612772	26.4529
8.92	5.51	35.83	112.91	0.650272	2.049183	5.39709	5.6	43.522967	2	5.532582	25.4048
8.93	5.42	37.01	111.91	0.682841	2.06476	5.30809	5.6	43.62055	2	5.442382	24.3067
8.94	5.32	39.85	110.84	0.74906	2.083459	5.20916	5.6	43.718133	2	5.342168	23.1386
8.95	5.2	42.24	109.66	0.812308	2.108846	5.09034	5.6	43.815716	2	5.221932	21.8605
8.96	5	46.04	108.18	0.9208	2.1636	4.89182	5.6	43.913299	2	5.021636	20.2824
8.97	4.52	52.74	105.35	1.166814	2.330752	4.41465	5.6	44.010881	2	4.54107	17.3543
8.98	4.22	54.37	104.64	1.288389	2.479621	4.11536	5.7	44.110201	2	4.240928	16.5462
8.99	3.91	53.63	104.17	1.371611	2.664194	3.80583	5.7	44.209521	2	3.930834	15.9781
9	3.61	46.74	103.99	1.294737	2.880609	3.50601	5.7	44.308841	2	3.630798	15.7
9.01	2.72	33.47	104.76	1.230515	3.851471	2.61524	5.7	44.40816	2.1	2.740952	16.3719
9.02	2.48	34.04	105.05	1.372581	4.235887	2.37495	5.7	44.50748	2	2.50101	16.5638
9.03	2.28	35.73	105.11	1.567105	4.610088	2.17489	5.7	44.6068	2	2.301022	16.5257

9.04	2.02	38.03	105.29	1.882673	5.212376	1.91471	5.7	44.70612	2.1	2.041058	16.6076
9.05	1.84	40.07	105.64	2.177717	5.741304	1.73436	5.7	44.805439	2.1	1.861128	16.8595
9.06	1.64	38.06	106.29	2.320732	6.481098	1.53371	5.7	44.904759	2	1.661258	17.4114
9.07	1.47	34.01	107.36	2.313605	7.303401	1.36264	5.7	45.004079	2	1.491472	18.3833
9.08	1.38	28.43	109.42	2.060145	7.928986	1.27058	5.7	45.103399	2	1.401884	20.3452
9.09	1.38	27.02	110.43	1.957971	8.002174	1.26957	5.7	45.202718	2	1.402086	21.2571
9.1	1.38	26.7	111.31	1.934783	8.065942	1.26869	5.7	45.302038	2	1.402262	22.039
9.11	1.39	26.74	112.2	1.923741	8.071942	1.2778	5.7	45.401358	2	1.41244	22.8309
9.12	1.38	26.7	112.97	1.934783	8.186232	1.26703	5.7	45.500678	2	1.402594	23.5028
9.13	1.37	26.74	113.62	1.951825	8.293431	1.25638	5.7	45.599997	2.1	1.392724	24.0547
9.14	1.34	26.67	114.27	1.990299	8.527612	1.22573	5.7	45.699317	2.1	1.362854	24.6066
9.15	1.27	25.14	115.92	1.979528	9.127559	1.15408	5.7	45.798637	2.1	1.293184	26.1585
9.16	1.28	23.99	116.81	1.874219	9.125781	1.16319	5.7	45.897957	2.1	1.303362	26.9504
9.17	1.29	23.07	117.64	1.788372	9.11938	1.17236	5.7	45.997276	2	1.313528	27.6823
9.18	1.29	21.85	118.46	1.693798	9.182946	1.17154	5.7	46.096596	2	1.313692	28.4042
9.19	1.3	20.16	119.29	1.550769	9.176154	1.18071	5.8	46.197653	2.1	1.323858	29.1361
9.2	1.3	18.76	120.12	1.443077	9.24	1.17988	5.8	46.298709	2.1	1.324024	29.868
9.21	1.3	17.58	120.95	1.352308	9.303846	1.17905	5.8	46.399765	2	1.32419	30.5999
9.22	1.3	17.04	121.71	1.310769	9.362308	1.17829	5.8	46.500821	2	1.324342	31.2618
9.23	1.32	16.56	123.37	1.254545	9.346212	1.19663	5.8	46.601878	2.1	1.344674	32.8237
9.24	1.32	16.62	124.19	1.259091	9.408333	1.19581	5.8	46.702934	2.1	1.344838	33.5456
9.25	1.33	16.56	125.02	1.245113	9.4	1.20498	5.8	46.80399	2	1.355004	34.2775
9.26	1.34	16.24	125.91	1.21194	9.396269	1.21409	5.9	46.906783	2	1.365182	35.0694
9.27	1.36	16.05	126.68	1.180147	9.314706	1.23332	5.9	47.009575	2.1	1.385336	35.7413
9.28	1.37	16.14	127.56	1.178102	9.310949	1.24244	5.9	47.112368	2.1	1.395512	36.5232
9.29	1.39	16.05	128.39	1.154676	9.236691	1.26161	5.9	47.21516	2.1	1.415678	37.2551
9.3	1.41	15.82	129.28	1.121986	9.168794	1.28072	5.9	47.317953	2.1	1.435856	38.047
9.31	1.44	15.86	130.93	1.101389	9.092361	1.30907	5.9	47.420746	2.1	1.466186	39.5989
9.32	1.45	15.95	131.76	1.1	9.086897	1.31824	5.9	47.523538	2.1	1.476352	40.3308
9.33	1.47	16.02	132.58	1.089796	9.019048	1.33742	5.9	47.626331	2	1.496516	41.0527
9.34	1.49	16.11	133.53	1.081208	8.961745	1.35647	5.9	47.729123	2	1.516706	41.9046
9.35	1.54	16.08	134.42	1.044156	8.728571	1.40558	5.9	47.831916	2	1.566884	42.6965
9.36	1.58	16.14	135.3	1.021519	8.563291	1.4447	5.9	47.934708	2	1.60706	43.4784
9.37	1.63	16.3	136.25	1	8.358896	1.49375	5.9	48.037501	2.1	1.65725	44.3303
9.38	1.7	16.37	138.02	0.962941	8.118824	1.56198	5.9	48.140293	2.1	1.727604	46.0022
9.39	1.85	16.65	139.08	0.9	7.517838	1.71092	6	48.244822	2	1.877816	46.9641
9.4	2.1	17.26	140.21	0.821905	6.676667	1.95979	6	48.34935	2	2.128042	47.996
9.41	2.47	17.93	141.39	0.725911	5.724291	2.32861	5.9	48.452143	2	2.498278	49.0779
9.42	2.94	19.69	142.33	0.669728	4.841156	2.79767	6	48.556671	2	2.968466	49.9198
9.43	3.25	21.79	141.86	0.670462	4.364923	3.10814	5.9	48.659464	2	3.278372	49.3517
9.44	3.51	24.47	139.79	0.697151	3.982621	3.37021	6	48.763992	2.1	3.537958	47.1836
9.45	3.64	30.63	134.59	0.841484	3.697527	3.50541	6	48.868521	2.1	3.666918	41.8855
9.46	3.58	32.32	133.29	0.902793	3.723184	3.44671	6	48.973049	2.1	3.606658	40.4874
9.47	3.44	32.51	133.06	0.945058	3.868023	3.30694	6	49.077578	2.1	3.466612	40.1593
9.48	3.25	34.55	132.7	1.063077	4.083077	3.1173	6	49.182106	2	3.27654	39.7012
9.49	3.08	37.65	132.17	1.222403	4.291234	2.94783	6	49.286635	2	3.106434	39.0731
9.5	2.91	40.74	131.88	1.4	4.531959	2.77812	6	49.391163	2.1	2.936376	38.685
9.51	2.75	43.74	131.82	1.590545	4.793455	2.61818	6	49.495691	2.1	2.776364	38.5269
9.52	2.32	40.1	132.64	1.728448	5.717241	2.18736	6	49.60022	2.1	2.346528	39.2488
9.53	2.1	38.06	133.18	1.812381	6.341905	1.96682	6	49.704748	2.1	2.126636	39.6907
9.54	1.89	37.87	133.83	2.003704	7.080952	1.75617	6	49.809277	2.1	1.916766	40.2426
9.55	1.7	35.13	134.65	2.066471	7.920588	1.56535	6	49.913805	2.1	1.72693	40.9645
9.56	1.61	29.7	136.07	1.84472	8.451553	1.47393	6	50.018334	2	1.637214	42.2864
9.57	1.62	22.94	137.55	1.416049	8.490741	1.48245	6	50.122862	2	1.64751	43.6683
9.58	1.69	20.36	138.85	1.204734	8.215976	1.55115	6.1	50.229126	2.1	1.71777	44.8702
9.59	1.88	21.85	140.62	1.162234	7.479787	1.73938	6.2	50.337126	2.1	1.908124	46.5421
9.6	1.92	22.49	141.21	1.171354	7.354688	1.77879	6.1	50.44339	2	1.948242	47.034
9.61	1.85	23.19	141.62	1.253514	7.655135	1.70838	6.1	50.549654	2	1.878324	47.3459
9.62	1.73	23.77	142.27	1.373988	8.223699	1.58773	6.1	50.655918	2.1	1.758454	47.8978
9.63	1.63	22.78	143.16	1.397546	8.782822	1.48684	6.2	50.763917	2.1	1.658632	48.6897
9.64	1.57	21.47	144.17	1.367516	9.182803	1.42583	6.2	50.871917	2.1	1.598834	49.6016
9.65	1.5	19.08	145.11	1.272	9.674	1.35489	6.2	50.979916	2.1	1.529022	50.4435
9.66	1.44	16.69	147.24	1.159028	10.225	1.29276	6.1	51.08618	2.1	1.469448	52.4754
9.67	1.48	15.31	148.3	1.034459	10.02027	1.3317	6.2	51.194179	2.1	1.50966	53.4373
9.68	1.01	13.75	155.39	1.361386	15.385149	0.85461	6.2	51.302179	0.6	1.041078	60.4292
9.69	1.66	14.13	156.34	0.851205	9.418072	1.50366	6.2	51.410178	0.6	1.691268	61.2811
9.7	1.74	14.33	157.34	0.823563	9.042529	1.58266	6.2	51.518177	2	1.771468	62.183
9.71	1.98	16.08	159.23	0.812121	8.041919	1.82077	6.3	51.627912	2	2.011846	63.9749
9.72	2.19	17.68	160.24	0.807306	7.316895	2.02976	6.2	51.735911	1.9	2.222048	64.8868
9.73	2.38	18.25	161	0.766807	6.764706	2.219	6.3	51.845645	1.9	2.4122	65.5487
9.74	2.57	21.38	161.3	0.831907	6.276265	2.4087	6.2	51.953645	2	2.60226	65.7506
9.75	2.7	24.76	160.71	0.917037	5.952222	2.53929	6.4	52.065114	2	2.732142	65.0625

9.76	2.63	27.02	157.81	1.027376	6.00038	2.47219	6.4	52.176583	2	2.661562	62.0644
9.77	2.43	26.86	157.22	1.10535	6.469959	2.27278	6.4	52.288052	2	2.461444	61.3763
9.78	2.23	28.71	156.99	1.287444	7.03991	2.07301	6.3	52.397786	2	2.261398	61.0482
9.79	2.06	29.77	157.93	1.445146	7.666505	1.90207	6.3	52.50752	2	2.091586	61.8901
9.8	2.05	30.05	159.7	1.465854	7.790244	1.8903	6.3	52.617254	2	2.08194	63.562
9.81	2.35	27.92	161.95	1.188085	6.891489	2.18805	6.3	52.726989	2	2.38239	65.7139
9.82	2.44	29.54	161.3	1.210656	6.610656	2.2787	6.4	52.838458	2	2.47226	64.9658
9.83	2.45	34.01	160.77	1.388163	6.562041	2.28923	6.4	52.949927	2	2.482154	64.3377
9.84	2.37	37.2	160.77	1.56962	6.783544	2.20923	6.4	53.061396	2	2.402154	64.2396
9.85	2.28	39.37	160.95	1.726754	7.059211	2.11905	6.4	53.172865	2	2.31219	64.3215
9.86	2.28	39.37	160.95	1.726754	7.059211	2.11905	6.4	53.284333	2	2.31219	64.2234
9.87	2.28	39.37	160.95	1.726754	7.059211	2.11905	6.4	53.395802	2	2.31219	64.1253
9.88	1.38	35.51	213.41	2.573188	15.464493	1.16659	6.4	53.507271	1.9	1.422682	116.4872
9.89	2.31	39.18	212.11	1.696104	9.182251	2.09789	6.4	53.61874	1.9	2.352422	115.0891
9.9	1.94	30.76	213.12	1.585567	10.985567	1.72688	6.4	53.730209	2	1.982624	116.001
9.91	1.78	29.29	214.42	1.645506	12.046067	1.56558	6.4	53.841678	2	1.822884	117.2029
9.92	1.72	29.07	215.95	1.690116	12.555233	1.50405	6.4	53.953147	2	1.76319	118.6348
9.93	1.71	26.07	217.19	1.524561	12.70117	1.49281	6.4	54.064616	2	1.753438	119.7767
9.94	1.74	24.28	218.43	1.395402	12.553448	1.52157	6.4	54.176085	1.9	1.783686	120.9186
9.95	1.77	23.16	219.91	1.308475	12.424294	1.55009	6.4	54.287554	1.9	1.813982	122.3005
9.96	1.8	21.44	222.92	1.191111	12.384444	1.57708	6.5	54.400757	2	1.844584	125.2124
9.97	1.84	20.74	223.93	1.127174	12.170109	1.61607	6.5	54.51396	2	1.884786	126.1243
9.98	1.85	21.15	224.4	1.143243	12.12973	1.6256	6.5	54.627163	2	1.89488	126.4962
9.99	1.83	22.05	224.52	1.204918	12.268852	1.60548	6.5	54.740367	2	1.874904	126.5181
10	1.71	21.95	224.93	1.283626	13.153801	1.48507	6.5	54.85357	2	1.754986	126.83
10.01	1.54	19.17	229.72	1.244805	14.916883	1.31028	6.5	54.966773	2	1.585944	131.5219
10.02	1.58	16.91	231.55	1.070253	14.655063	1.34845	6.5	55.079976	2	1.62631	133.2538
10.03	1.64	16.46	233.26	1.003659	14.223171	1.40674	6.6	55.194913	2	1.686652	134.8657
10.04	1.73	16.27	234.68	0.940462	13.565318	1.49532	6.5	55.308117	2	1.776936	136.1876
10.05	1.88	16.81	236.45	0.894149	12.577128	1.64355	6.6	55.423054	2	1.92729	137.8595
10.06	1.88	18.54	237.28	0.98617	12.621277	1.64272	6.6	55.537991	2	1.927456	138.5914
10.07	1.85	19.94	238.23	1.077838	12.877297	1.61177	6.6	55.652928	2	1.897646	139.4433
10.08	1.82	20.13	239.29	1.106044	13.147802	1.58071	6.6	55.767865	2	1.867858	140.4052
10.09	1.79	20.07	240.41	1.121229	13.430726	1.54959	6.6	55.882802	2	1.838082	141.4271
10.1	1.98	20.45	243.55	1.032828	12.300505	1.73645	6.6	55.99774	2	2.02871	144.469
10.11	2.18	20.77	244.84	0.952752	11.231193	1.93516	6.6	56.112677	1.9	2.228968	145.6609
10.12	2.35	22.27	245.02	0.94766	10.426383	2.10498	6.6	56.227614	1.9	2.399004	145.7428
10.13	2.45	24.34	242.25	0.993469	9.887755	2.20775	6.6	56.342551	2	2.49845	142.8747
10.14	2.42	27.22	239.53	1.124793	9.897934	2.18047	6.6	56.457488	2	2.467906	140.0566
10.15	2.23	31.36	238.11	1.406278	10.677578	1.99189	6.6	56.572425	2	2.277622	138.5385
10.16	2.1	31.75	239.23	1.511905	11.391905	1.86077	6.6	56.687363	2	2.147846	139.5604
10.17	2.03	32.42	240.3	1.597044	11.837438	1.7897	6.6	56.8023	2	2.07806	140.5323
10.18	1.97	32.7	241.36	1.659898	12.251777	1.72864	6.7	56.91897	2	2.018272	141.4942
10.19	1.92	29.9	242.84	1.557292	12.647917	1.67716	6.6	57.033908	2	1.968568	142.8761
10.2	1.88	26.9	244.25	1.430851	12.992021	1.63575	6.6	57.148845	2	1.92885	144.188
10.21	1.89	21.66	247.8	1.146032	13.111111	1.6422	6.6	57.263782	2	1.93956	147.6399
10.22	2.03	21.66	249.28	1.066995	12.279803	1.78072	6.6	57.378719	2	2.079856	149.0218
10.23	2.13	21.22	249.34	0.996244	11.706103	1.88066	6.6	57.493656	2	2.179868	148.9837
10.24	2.21	23.64	250.28	1.069683	11.324887	1.95972	6.7	57.610327	2	2.260056	149.8256
10.25	2.34	26.19	250.87	1.119231	10.72094	2.08913	6.7	57.726998	2	2.390174	150.3175
10.26	2.38	30.92	248.04	1.29916	10.421849	2.13196	6.7	57.843668	2	2.429608	147.3894
10.27	2.29	31.11	248.63	1.358515	10.857205	2.04137	6.7	57.960339	2	2.339726	147.8813
10.28	2.23	31.78	249.39	1.425112	11.183408	1.98061	6.7	58.07701	2	2.279878	148.5432
10.29	2.17	32.86	250.46	1.514286	11.541935	1.91954	6.7	58.193681	2	2.220092	149.5151
10.3	2.09	32.48	251.46	1.554067	12.031579	1.83854	6.7	58.310351	2	2.140292	150.417
10.31	1.92	26.26	254.12	1.367708	13.235417	1.66588	6.7	58.427022	2	1.970824	152.9789
10.32	1.92	23.74	256.01	1.236458	13.333854	1.66399	6.7	58.543693	2	1.971202	154.7708
10.33	1.98	22.46	257.67	1.134343	13.013636	1.72233	6.7	58.660364	2	2.031534	156.3327
10.34	2.04	21.76	259.08	1.066667	12.7	1.78092	6.7	58.777034	2	2.091816	157.6446
10.35	2.1	22.24	260.32	1.059048	12.39619	1.83968	6.7	58.893705	2	2.152064	158.7865
10.36	2.13	23.42	261.27	1.099531	12.266197	1.86873	6.7	59.010376	2	2.182254	159.6384
10.37	2.14	24.44	262.81	1.142056	12.280841	1.87719	6.7	59.127046	2	2.192562	161.0803
10.38	2.13	22.43	264.82	1.053052	12.432864	1.86518	6.8	59.24545	2	2.182964	162.9922
10.39	2.18	20.42	266.35	0.936697	12.21789	1.91365	6.8	59.363854	2	2.23327	164.4241
10.4	2.27	23.23	267.47	1.023348	11.782819	2.00253	6.9	59.483991	2	2.323494	165.446
10.41	2.31	25.97	268.18	1.124242	11.609524	2.04182	6.7	59.600662	2	2.363636	166.0579
10.42	2.16	29.16	268.24	1.35	12.418519	1.89176	6.8	59.719066	2	2.213648	166.0198
10.43	2.04	28.52	269.01	1.398039	13.186765	1.77099	6.8	59.83747	2	2.093802	166.6917
10.44	1.91	25.65	270.31	1.342932	14.152356	1.63969	6.9	59.957607	2	1.964062	167.8936
10.45	1.83	23.16	271.96	1.265574	14.861202	1.55804	6.8	60.076011	2	1.884392	169.4455
10.46	1.82	21.66	273.8	1.19011	15.043956	1.5462	6.8	60.194415	2	1.87476	171.1874
10.47	1.89	20.55	277.05	1.087302	14.65873	1.61295	6.8	60.312819	2	1.94541	174.3393

10.48	1.92	20.77	278.46	1.081771	14.503125	1.64154	6.9	60.432955	2	1.975692	175.6512
10.49	1.96	21.28	279.59	1.085714	14.264796	1.68041	6.8	60.551359	2	2.015918	176.6831
10.5	2.01	22.72	280.24	1.130348	13.942289	1.72976	6.9	60.671496	2	2.066048	177.235
10.51	2.02	24.73	280.77	1.224257	13.899505	1.73923	6.8	60.7899	1.9	2.076154	177.6669
10.52	2.01	24.76	281.42	1.231841	14.000995	1.72858	6.9	60.910037	1.9	2.066284	178.2188
10.53	2.05	27.06	282.66	1.32	13.788293	1.76734	6.9	61.030174	2	2.106532	179.3607
10.54	2.06	25.2	284.02	1.223301	13.787379	1.77598	6.9	61.150311	2	2.116804	180.6226
10.55	2.27	24.69	285.49	1.087665	12.576652	1.98451	6.9	61.270448	2	2.327098	181.9945
10.56	2.55	24.28	286.97	0.952157	11.253725	2.26303	6.9	61.390584	1.9	2.607394	183.3764
10.57	3.19	25.05	291.4	0.785266	9.134796	2.8986	6.9	61.510721	1.9	3.24828	187.7083
10.58	3.59	29.45	291.29	0.820334	8.113928	3.29871	6.9	61.630858	2	3.648258	187.5002
10.59	3.7	32.99	279.29	0.891622	7.548378	3.42071	6.9	61.750995	2	3.755858	175.4021
10.6	3.56	34.59	268.12	0.971629	7.531461	3.29188	6.9	61.871132	2	3.613624	164.134
10.61	3.28	34.23	260.74	1.043598	7.94939	3.01926	6.9	61.991269	2	3.332148	156.6559
10.62	2.99	34.55	254.89	1.155518	8.524749	2.73511	6.9	62.111406	2	3.040978	150.7078
10.63	2.46	35.38	247.27	1.438211	10.051626	2.21273	6.9	62.231542	2	2.509454	142.9897
10.64	2.2	34.27	248.04	1.557727	11.274545	1.95196	6.9	62.351679	2	2.249608	143.6616
10.65	1.93	30.28	250.04	1.568912	12.95544	1.67996	6.9	62.471816	2	1.980008	145.5635
10.66	1.8	28.14	251.82	1.563333	13.99	1.54818	6.9	62.591953	2	1.850364	147.2454
10.67	1.72	26.77	254.18	1.556395	14.777907	1.46582	6.9	62.71209	2	1.770836	149.5073
10.68	1.68	21.85	259.03	1.300595	15.418452	1.42097	7	62.833959	2	1.731806	154.2592
10.69	1.73	19.14	261.21	1.106358	15.098844	1.46879	7	62.955828	2	1.782242	156.3411
10.7	1.82	19.08	262.69	1.048352	14.433516	1.55731	7	63.077698	2	1.872538	157.723
10.71	1.85	19.75	263.87	1.067568	14.263243	1.58613	7	63.199567	2	1.902774	158.8049
10.72	1.87	20.74	264.87	1.109091	14.164171	1.60513	7	63.321436	2	1.922974	159.7068
10.73	1.83	22.17	267.59	1.211475	14.622404	1.56241	7	63.443306	2	1.883518	162.3287
10.74	1.88	22.11	269.19	1.176064	14.318617	1.61081	7	63.565175	2	1.933838	163.8306
10.75	1.9	23.42	270.31	1.232632	14.226842	1.62969	7	63.687044	2	1.954062	164.8525
10.76	1.86	23.71	271.61	1.274731	14.602688	1.58839	7	63.808914	2	1.914322	166.0544
10.77	1.85	22.17	273.68	1.198378	14.793514	1.57632	7	63.930783	2	1.904736	168.0263
10.78	2.03	20.42	275.92	1.005911	13.592118	1.75408	7	64.052652	2	2.085184	170.1682
10.79	2.02	21.25	276.34	1.05198	13.680198	1.74366	7	64.174522	2	2.075268	170.4901
10.8	2	22.24	277.28	1.112	13.864	1.72272	7	64.296391	2	2.055456	171.332
10.81	2.01	24.82	278.05	1.234826	13.833333	1.73195	7	64.418261	2	2.06561	172.0039
10.82	2	25.62	278.29	1.281	13.9145	1.72171	7	64.54013	2	2.055658	172.1458
10.83	1.96	26.51	278.58	1.352551	14.213265	1.68142	7	64.661999	2	2.015716	172.3377
10.84	1.89	23.96	282.01	1.267725	14.921164	1.60799	7.1	64.785601	2	1.946402	175.6696
10.85	1.92	24.09	283.6	1.254688	14.770833	1.6364	7	64.90747	2	1.97672	177.1615
10.86	1.94	23.99	284.14	1.236598	14.646392	1.65586	7	65.029339	2	1.996828	177.6034
10.87	1.94	23.99	284.14	1.236598	14.646392	1.65586	7	65.151209	2	1.996828	177.5053
10.88	1.94	23.99	284.14	1.236598	14.646392	1.65586	7	65.273078	2	1.996828	177.4072
10.89	1.3	27.69	337.73	2.13	25.979231	0.96227	7.1	65.39668	1.9	1.367546	230.8991
10.9	2.13	32.03	330.64	1.503756	15.523005	1.79936	7	65.518549	1.9	2.196128	223.711
10.91	1.82	30.72	326.62	1.687912	17.946154	1.49338	7.1	65.64215	2	1.885324	219.5929
10.92	1.74	29.32	327.33	1.685057	18.812069	1.41267	7.1	65.765752	2	1.805466	220.2048
10.93	1.65	26.61	329.57	1.612727	19.973939	1.32043	7.1	65.889353	2	1.715914	222.3467
10.94	1.66	23.99	332.29	1.445181	20.01747	1.32771	7.1	66.012955	2	1.726458	224.9686
10.95	1.76	22.84	335.72	1.297727	19.075	1.42428	7.1	66.136556	2	1.827144	228.3005
10.96	2.02	19.43	341.45	0.961881	16.903465	1.67855	7.2	66.261889	2	2.08829	233.9324
10.97	2.17	21.09	343.1	0.971889	15.81106	1.8269	7.1	66.385491	1.9	2.23862	235.4843
10.98	2.3	23.04	340.38	1.001739	14.79913	1.95962	7.2	66.510824	1.9	2.368076	232.6662
10.99	2.35	26.23	336.37	1.11617	14.313617	2.01363	7.1	66.634426	2	2.417274	228.5581
11	2.37	29.07	335.18	1.226582	14.142616	2.03482	7.1	66.758027	2	2.437036	227.27
11.01	2.44	31.43	338.55	1.288115	13.875	2.10145	7.2	66.88336	2	2.50771	230.5419
11.02	2.55	34.97	338.43	1.371373	13.271765	2.21157	7.2	67.008694	1.9	2.617686	230.3238
11.03	2.58	37.46	338.02	1.451938	13.10155	2.24198	7.2	67.134027	1.9	2.647604	229.8157
11.04	2.56	37.62	340.21	1.469531	13.289453	2.21979	7.2	67.25936	2	2.628042	231.9076
11.05	2.7	39.98	338.55	1.480741	12.538889	2.36145	7.2	67.384693	2	2.76771	230.1495
11.06	2.7	42.05	329.04	1.557407	12.186667	2.37096	7.2	67.510027	1.9	2.765808	220.5414
11.07	2.62	41.22	327.74	1.573282	12.50916	2.29226	7.3	67.637091	1.9	2.685548	219.1433
11.08	2.54	41.35	327.92	1.627953	12.910236	2.21208	7.2	67.762424	2	2.605584	219.2252
11.09	2.42	41.89	327.21	1.730992	13.521074	2.09279	7.3	67.889489	2	2.485442	218.4171
11.1	2.15	39.05	322.54	1.816279	15.00186	1.82746	7.3	68.016554	2	2.214508	213.649
11.11	1.97	34.36	322.9	1.744162	16.390863	1.6471	7.3	68.143618	2	2.03458	213.9109
11.12	1.85	31.33	327.5	1.693514	17.702703	1.5225	7.3	68.270683	2	1.9155	218.4128
11.13	1.87	26.45	333.41	1.414439	17.829412	1.53659	7.3	68.397747	2	1.936682	224.2247
11.14	2.1	21.6	337.9	1.028571	16.090476	1.7621	7.3	68.524812	2	2.16758	228.6166
11.15	2.48	19.37	341.15	0.781048	13.756048	2.13885	7.3	68.651877	2	2.54823	231.7685
11.16	3.1	22.91	342.27	0.739032	11.040968	2.75773	7.3	68.778941	2	3.168454	232.7904
11.17	3.24	26.74	332.76	0.825309	10.27037	2.90724	7.3	68.906006	2	3.306552	223.1823
11.18	3.23	32.26	320.77	0.998762	9.93096	2.90923	7.3	69.03307	2	3.294154	211.0942
11.19	3.16	37.07	314.98	1.173101	9.967722	2.84502	7.3	69.160135	2	3.222996	205.2061

11.2	3.15	38.19	313.09	1.212381	9.939365	2.83691	7.3	69.2872	2	3.212618	203.218
11.21	3.51	36.66	316.04	1.044444	9.003989	3.19396	7.4	69.415995	2	3.573208	206.0699
11.22	3.78	43.77	314.62	1.157937	8.32328	3.46538	7.4	69.544791	2	3.842924	204.5518
11.23	3.89	48.81	312.08	1.254756	8.022622	3.57792	7.4	69.673586	2	3.952416	201.9137
11.24	3.93	53.79	304.22	1.368702	7.740967	3.62578	7.4	69.802382	2	3.990844	193.9556
11.25	3.82	55.87	294.89	1.462565	7.719634	3.52511	7.4	69.931178	1.9	3.878978	184.5275
11.26	3.39	49.48	285.44	1.459587	8.420059	3.10456	7.4	70.059973	1.9	3.447088	174.9794
11.27	3.16	40.55	286.44	1.283228	9.064557	2.87356	7.4	70.188769	2	3.217288	175.8813
11.28	3.03	34.97	287.92	1.154125	9.50231	2.74208	7.5	70.319295	2	3.087584	177.2632
11.29	3.01	35.83	289.93	1.190365	9.632226	2.72007	7.4	70.448091	2	3.067986	179.1751
11.3	3.05	39.72	291.76	1.302295	9.565902	2.75824	7.5	70.578617	2	3.108352	180.907
11.31	3.13	44.35	293.65	1.416933	9.381789	2.83635	7.5	70.709143	1.9	3.18873	182.6989
11.32	3.15	45.78	292.53	1.453333	9.286667	2.85747	7.5	70.839669	1.9	3.208506	181.4808
11.33	3.08	45.66	291.52	1.482468	9.464935	2.78848	7.5	70.970195	2	3.138304	180.3727
11.34	3	42.75	291.76	1.425	9.725333	2.70824	7.5	71.100722	2	3.058352	180.5146
11.35	2.94	36.53	294.89	1.242517	10.030272	2.64511	7.5	71.231248	2	2.998978	183.5465
11.36	3.18	33.6	298.79	1.056604	9.395912	2.88121	7.5	71.361774	2	3.239758	187.3484
11.37	4.15	38.7	300.5	0.93253	7.240964	3.8495	7.6	71.49403	2	4.2101	188.9603
11.38	4.72	44.51	296.96	0.943008	6.291525	4.42304	7.5	71.624557	2	4.779392	185.3222
11.39	5.25	52.42	291.52	0.998476	5.552762	4.95848	7.6	71.756813	1.9	5.308304	179.7841
11.4	5.6	58.83	283.07	1.050536	5.054821	5.31693	7.6	71.889069	1.9	5.656614	171.236
11.41	5.78	62.12	273.86	1.07474	4.738062	5.50614	7.6	72.021326	2	5.834772	161.9279
11.42	5.66	60.81	256.84	1.074382	4.537809	5.40316	7.6	72.153582	2	5.711368	144.8098
11.43	5.45	61.42	250.16	1.126972	4.590092	5.19984	7.6	72.285839	2	5.500032	138.0317
11.44	5.25	60.43	245.49	1.151048	4.676	5.00451	7.6	72.418095	2	5.299098	133.2636
11.45	5.09	56.28	241.6	1.105697	4.746562	4.8484	7.6	72.550351	2	5.13832	129.2755
11.46	4.92	53.98	235.27	1.097154	4.781911	4.68473	7.6	72.682608	2	4.967054	122.8474
11.47	4.88	54.21	234.51	1.110861	4.805533	4.64549	7.6	72.814864	2	4.926902	121.9893
11.48	4.95	55.48	234.62	1.120808	4.739798	4.71538	7.6	72.94712	2	4.996924	122.0012
11.49	5.23	61	233.91	1.166348	4.472467	4.99609	7.6	73.079377	2	5.276782	121.1931
11.5	5.49	66.04	231.08	1.202914	4.209107	5.25892	7.6	73.211633	2	5.536216	118.265
11.51	5.53	70.73	227.06	1.279024	4.105967	5.30294	7.6	73.34389	2	5.575412	114.1469
11.52	5.15	76.8	220.92	1.491262	4.289709	4.92908	7.6	73.476146	2	5.194184	107.9088
11.53	4.91	75.14	218.38	1.530346	4.447658	4.69162	7.6	73.608402	2	4.953676	105.2707
11.54	4.7	70.57	215.6	1.501489	4.587234	4.4844	7.6	73.740659	2	4.74312	102.3926
11.55	4.5	68.91	214.24	1.531333	4.760889	4.28576	7.6	73.872915	2	4.542848	100.9345
11.56	4.27	62.57	213.88	1.46534	5.008899	4.05612	7.6	74.005172	2	4.312776	100.4764
11.57	4.27	63.55	213.59	1.48829	5.002108	4.05641	7.6	74.137428	1.9	4.312718	100.0883
11.58	4.35	67.06	213.88	1.541609	4.916782	4.13612	7.6	74.269684	1.9	4.392776	100.2802
11.59	4.5	65.02	214.71	1.444889	4.771333	4.28529	7.6	74.401941	2	4.542942	101.0121
11.6	4.75	61.48	215.66	1.294316	4.540211	4.53434	7.6	74.534197	2	4.793132	101.864
11.61	5.82	70.7	217.67	1.214777	3.740034	5.60233	7.7	74.668183	2	5.863534	103.7759
11.62	6.38	77.4	215.83	1.213166	3.382915	6.16417	7.7	74.80217	2	6.423166	101.8378
11.63	6.79	80.69	212.88	1.188365	3.135199	6.57712	7.7	74.936156	1.9	6.832576	98.7897
11.64	7.07	82.09	209.39	1.161103	2.961669	6.86061	7.7	75.070142	1.9	7.111878	95.2016
11.65	7.36	82.7	202.07	1.123641	2.745516	7.15793	7.7	75.204128	1.9	7.400414	87.7835
11.66	7.37	82.51	198.58	1.119539	2.694437	7.17142	7.7	75.338114	1.9	7.409716	84.1954
11.67	7.3	82.51	195.39	1.130274	2.676575	7.10461	7.7	75.4721	2	7.339078	80.9073
11.68	7.17	78.65	192.79	1.096932	2.688842	6.97721	7.7	75.606087	2	7.208558	78.2092
11.69	7.12	72.55	190.19	1.018961	2.671208	6.92981	7.8	75.741802	2	7.158038	75.5111
11.7	7.19	68.63	187.59	0.95452	2.60904	7.00241	7.8	75.877518	2	7.227518	72.813
11.71	7.66	67.06	182.81	0.875457	2.386554	7.47719	7.8	76.013233	1.9	7.696562	67.9349
11.72	8.02	67.99	180.62	0.847756	2.25212	7.83938	7.8	76.148949	1.9	8.056124	65.6468
11.73	8.33	69.84	178.49	0.838415	2.142737	8.15151	7.8	76.284665	1.9	8.365698	63.4187
11.74	8.58	73.16	176.54	0.852681	2.057576	8.40346	7.8	76.42038	2	8.615308	61.3706
11.75	8.82	78.26	172.7	0.887302	1.95805	8.6473	7.8	76.556096	2	8.85454	57.4325
11.76	8.85	75.04	170.52	0.84791	1.92678	8.67948	7.8	76.691811	1.9	8.884104	55.1544
11.77	8.82	72.42	168.57	0.821088	1.911224	8.65143	7.8	76.827527	1.9	8.853714	53.1063
11.78	8.71	65.72	166.68	0.754535	1.913662	8.54332	7.8	76.963242	2	8.743336	51.1182
11.79	8.61	58.77	164.96	0.682578	1.915912	8.44504	7.8	77.098958	2	8.642992	49.3001
11.8	8.19	50.73	161.89	0.619414	1.976679	8.02811	7.9	77.236402	2	8.222378	46.132
11.81	7.95	49.9	160.3	0.627673	2.016352	7.7897	7.8	77.372118	2	7.98206	44.4439
11.82	7.63	49.58	159.17	0.649803	2.086107	7.47083	8	77.511291	2	7.661834	43.2158
11.83	7.3	45.82	158.35	0.627671	2.169178	7.14165	7.9	77.648736	2	7.33167	42.2977
11.84	6.88	45.31	157.52	0.658576	2.289535	6.72248	7.9	77.78618	2	6.911504	41.3696
11.85	5.89	40.81	156.57	0.692869	2.658234	5.73343	7.9	77.923625	2	5.921314	40.3215
11.86	5.62	35.54	156.45	0.632384	2.783808	5.46355	8	78.062798	2	5.65129	40.1034
11.87	5.62	35.54	156.45	0.632384	2.783808	5.46355	8	78.201971	2	5.65129	40.0053
11.88	5.62	35.54	156.45	0.632384	2.783808	5.46355	8	78.341144	2	5.65129	39.9072
11.89	6.48	52.96	160.35	0.817284	2.474537	6.31965	8	78.480317	1.8	6.51207	43.7091
11.9	6.8	56.89	159.23	0.836618	2.341618	6.64077	8	78.61949	1.8	6.831846	42.491
11.91	7.41	64.61	160.12	0.871193	2.160864	7.24988	8	78.758663	1.9	7.442024	43.2829

11.92	8.48	75.14	161.95	0.886085	1.909788	8.31805	8	78.897837	1.9	8.51239	45.0148
11.93	11.02	99.86	163.78	0.906171	1.486207	10.85622	8	79.03701	1.9	11.052756	46.7467
11.94	11.82	105.61	162.6	0.893486	1.375635	11.6574	8	79.176183	1.9	11.85252	45.4686
11.95	12.52	109.02	160.77	0.870767	1.284105	12.35923	8.1	79.317084	1.9	12.552154	43.5405
11.96	13.49	108.45	157.22	0.803929	1.165456	13.33278	8	79.456257	1.9	13.521444	39.8924
11.97	13.84	109.34	155.63	0.790029	1.124494	13.68437	8.1	79.597158	1.8	13.871126	38.2043
11.98	14.05	108.64	154.27	0.773238	1.098007	13.89573	8.1	79.73806	1.8	14.080854	36.7462
11.99	14.22	106.4	153.56	0.748242	1.079887	14.06644	8.1	79.878961	2	14.250712	35.9381
12	14.3	101.08	153.03	0.706853	1.07014	14.14697	8.1	80.019862	2	14.330606	35.31
12.01	14.68	101.3	151.26	0.690054	1.030381	14.52874	8.1	80.160763	1.9	14.710252	33.4419
12.02	14.77	104.87	150.49	0.71002	1.01889	14.61951	8.1	80.301664	1.9	14.800098	32.5738
12.03	14.89	108.41	149.6	0.728073	1.004701	14.7404	8.1	80.442566	1.9	14.91992	31.5857
12.04	15.03	109.72	147.42	0.730007	0.980838	14.88258	8.1	80.583467	1.9	15.059484	29.3076
12.05	15.08	107.74	146.47	0.714456	0.971286	14.93353	8.1	80.724368	1.9	15.109294	28.2595
12.06	15.07	103.56	145.52	0.687193	0.965627	14.92448	8.1	80.865269	1.9	15.099104	27.2114
12.07	15.09	101.62	144.52	0.673426	0.95772	14.94548	8.1	81.006171	1.9	15.118904	26.1133
12.08	15.07	103.53	142.45	0.686994	0.945255	14.92755	8.1	81.147072	1.9	15.09849	23.9452
12.09	15.02	106.75	141.39	0.710719	0.941345	14.87861	8.1	81.287973	1.9	15.048278	22.7871
12.1	14.96	108.86	140.32	0.727674	0.937968	14.81968	8.1	81.428874	1.9	14.988064	21.619
12.11	14.97	111.8	139.44	0.746827	0.931463	14.83056	8.1	81.569776	1.9	14.997888	20.6409
12.12	15.16	111.57	137.67	0.73595	0.908113	15.02233	8.1	81.710677	1.9	15.187534	18.7728
12.13	15.41	111.95	136.78	0.726476	0.887605	15.27322	8.1	81.851578	1.9	15.437356	17.7847
12.14	15.65	114.38	135.89	0.730863	0.868307	15.51411	8.1	81.992479	1.9	15.677178	16.7966
12.15	15.94	117.25	135.01	0.735571	0.846989	15.80499	8.1	82.13338	1.9	15.967002	15.8185
12.16	16.47	121.02	133	0.734791	0.807529	16.337	8.1	82.274282	1.9	16.4966	13.7104
12.17	16.63	123.12	131.94	0.740349	0.793385	16.49806	8.1	82.415183	1.9	16.656388	12.5523
12.18	16.74	124.91	130.93	0.746177	0.782139	16.60907	8.1	82.556084	1.9	16.766186	11.4442
12.19	16.96	128.32	130.1	0.756604	0.767099	16.8299	8.1	82.696985	1.9	16.98602	10.5161
12.2	17.12	130.75	129.22	0.763727	0.75479	16.99078	8.1	82.837887	1.9	17.145844	9.538
12.21	17.6	133.01	127.33	0.755739	0.723466	17.47267	8.1	82.978788	1.9	17.625466	7.5499
12.22	17.81	134.64	126.44	0.75598	0.709938	17.68356	8.1	83.119689	1.9	17.835288	6.5618
12.23	17.99	137.35	125.49	0.76348	0.697554	17.86451	8.1	83.26059	1.9	18.015098	5.5137
12.24	18.12	140.25	124.61	0.774007	0.687693	17.99539	8.1	83.401492	1.9	18.144922	4.5356
12.25	18.36	148.04	122.9	0.806318	0.66939	18.2371	8.1	83.542393	1.9	18.38458	2.7275
12.26	18.45	153.11	122.07	0.829864	0.661626	18.32793	8.1	83.683294	1.8	18.474414	1.7994
12.27	18.5	155.98	121.24	0.843135	0.655351	18.37876	8.1	83.824195	1.8	18.524248	0.8713
12.28	18.58	158.89	120.41	0.855167	0.648062	18.45959	8.1	83.965096	2	18.604082	-0.0568
12.29	18.84	160.42	118.94	0.851486	0.631316	18.72106	8.2	84.107725	2	18.863788	-1.6249
12.3	19.05	161.63	118.17	0.848451	0.620315	18.93183	8.1	84.248627	2	19.073634	-2.493
12.31	19.17	162.62	117.46	0.848305	0.612728	19.05254	8.1	84.389528	2	19.193492	-3.3011
12.32	19.25	164.25	116.69	0.853247	0.606182	19.13331	8.2	84.532157	2.1	19.273338	-4.1692
12.33	19.37	161.06	116.04	0.831492	0.599071	19.25396	8.2	84.674786	2.1	19.393208	-4.9173
12.34	19.45	154.07	115.33	0.792134	0.592956	19.33467	8.1	84.815687	2.1	19.473066	-5.7254
12.35	19.58	149.28	114.68	0.762411	0.5857	19.46532	8.2	84.958316	2.1	19.602936	-6.4735
12.36	19.8	144.18	113.32	0.728182	0.572323	19.68668	8.2	85.100945	2	19.822664	-7.9316
12.37	19.87	142.55	112.67	0.717413	0.567036	19.75733	8.2	85.243574	2	19.892534	-8.6797
12.38	20.01	143.32	112.08	0.716242	0.56012	19.89792	8.2	85.386203	2.1	20.032416	-9.3678
12.39	20.14	145.58	111.43	0.72284	0.553277	20.02857	8.2	85.528832	2.1	20.162286	-10.1159
12.4	20.22	146	110.84	0.722057	0.54817	20.10916	8.2	85.671461	2.1	20.242168	-10.804
12.41	20.31	145.07	110.19	0.714279	0.542541	20.19981	8.2	85.81409	2	20.332038	-11.5521
12.42	20.43	144.47	109.6	0.707146	0.536466	20.3204	8.2	85.956718	2	20.45192	-12.2402
12.43	20.67	142.55	108.3	0.689647	0.523948	20.5617	8.2	86.099347	2.1	20.69166	-13.6383
12.44	20.76	139.84	107.71	0.673603	0.518834	20.65229	8.2	86.241976	2.1	20.781542	-14.3264
12.45	20.83	135.76	107.18	0.651752	0.514546	20.72282	8.2	86.384605	2.1	20.851436	-14.9545
12.46	20.88	133.33	106.53	0.638554	0.510201	20.77347	8.2	86.527234	2.1	20.901306	-15.7026
12.47	20.88	131.83	106	0.63137	0.507663	20.774	8.2	86.669863	2	20.9012	-16.3307
12.48	20.94	130.43	105.41	0.622875	0.503391	20.83459	8.2	86.812492	2	20.961082	-17.0188
12.49	20.92	129.22	104.82	0.617686	0.501052	20.81518	8.2	86.955121	2.1	20.940964	-17.7069
12.5	20.94	128.45	103.75	0.613419	0.495463	20.83625	8.2	87.09775	2.1	20.96075	-18.875
12.51	20.89	127.33	103.16	0.609526	0.493825	20.78684	8.2	87.240379	2.1	20.910632	-19.5631
12.52	20.81	125.9	102.63	0.604998	0.493176	20.70737	8.2	87.383008	2.1	20.830526	-20.1912
12.53	20.82	125.87	102.1	0.604563	0.490394	20.7179	8.2	87.525637	2.1	20.84042	-20.8193
12.54	20.77	124.56	101.57	0.599711	0.489023	20.66843	8.2	87.668266	2.1	20.790314	-21.4474
12.55	20.79	123.98	101.03	0.596344	0.485955	20.68897	8.2	87.810895	2	20.810206	-22.0855
12.56	20.75	123.22	100.5	0.593831	0.484337	20.6495	8.2	87.953524	2	20.7701	-22.7136
12.57	20.73	125.23	99.56	0.6041	0.48027	20.63044	8.2	88.096152	1.9	20.749912	-23.7517
12.58	20.73	125	99.08	0.602991	0.477955	20.63092	8.2	88.238781	1.9	20.749816	-24.3298
12.59	20.72	124.65	98.55	0.601593	0.475627	20.62145	8.2	88.38141	2	20.73971	-24.9579
12.6	20.75	125.07	98.14	0.602747	0.472964	20.65186	8.2	88.524039	2	20.769628	-25.466
12.61	20.85	124.81	97.19	0.598609	0.466139	20.75281	8.2	88.666668	2	20.869438	-26.5141
12.62	20.9	124.84	96.72	0.597321	0.462775	20.80328	8.2	88.809297	2	20.919344	-27.0822
12.63	20.93	124.27	96.25	0.593741	0.459866	20.83375	8.4	88.95538	2	20.94925	-27.6503

12.64	20.99	124.3	95.78	0.592187	0.456313	20.89422	8.2	89.098009	2	21.009156	-28.2184
12.65	21.02	124.62	95.36	0.592864	0.453663	20.92464	8.4	89.244092	2	21.039072	-28.7365
12.66	21.04	126.12	94.89	0.59943	0.450998	20.94511	8.4	89.390175	2	21.058978	-29.3046
12.67	21.1	126.06	94	0.597441	0.445498	21.006	8.4	89.536258	2	21.1188	-30.2927
12.68	21.06	125.77	93.59	0.597198	0.444397	20.96641	8.4	89.682341	2	21.078718	-30.8008
12.69	21	126.38	93.12	0.60181	0.443429	20.90688	8.4	89.828424	1.9	21.018624	-31.3689
12.7	20.97	125.96	92.64	0.600668	0.441774	20.87736	8.4	89.974507	1.9	20.988528	-31.947
12.71	20.94	125.8	91.82	0.600764	0.438491	20.84818	8.4	90.12059	1.9	20.958364	-32.8651
12.72	20.87	123.98	91.34	0.594058	0.437662	20.77866	8.4	90.266673	1.9	20.888268	-33.4432
12.73	20.83	123.7	90.93	0.593855	0.436534	20.73907	8.4	90.412756	1.9	20.848186	-33.9513
12.74	20.83	122.58	90.58	0.588478	0.434854	20.73942	8.4	90.558839	1.9	20.848116	-34.3994
12.75	20.84	122.36	89.75	0.58714	0.430662	20.75025	8.4	90.704922	1.9	20.85795	-35.3275
12.76	20.87	122.42	89.39	0.586584	0.428318	20.78061	8.4	90.851005	2	20.887878	-35.7856
12.77	20.9	122.87	88.98	0.587895	0.425742	20.81102	8.4	90.997088	2	20.917796	-36.2937
12.78	20.94	123.5	88.63	0.58978	0.423257	20.85137	8.4	91.143171	1.9	20.957726	-36.7418
12.79	21.02	124.46	88.27	0.592103	0.419933	20.93173	8.4	91.289254	1.9	21.037654	-37.1999
12.8	21.16	124.97	87.5	0.590595	0.413516	21.0725	8.4	91.435338	1.9	21.1775	-38.068
12.81	21.26	125.55	87.15	0.590546	0.409925	21.17285	8.4	91.581421	1.9	21.27743	-38.5161
12.82	21.24	125.8	86.79	0.592279	0.408616	21.15321	8.4	91.727504	2	21.257358	-38.9742
12.83	21.31	126.73	86.44	0.594697	0.405631	21.22356	8.4	91.873587	2	21.327288	-39.4223
12.84	21.36	128.7	86.03	0.602528	0.402762	21.27397	8.4	92.01967	2	21.377206	-39.9304
12.85	21.34	129.82	85.26	0.608341	0.399531	21.25474	8.4	92.165753	2	21.357052	-40.7985
12.86	21.36	130.46	84.9	0.610768	0.397472	21.2751	8.4	92.311836	1.9	21.37698	-41.2566
12.87	21.36	130.46	84.9	0.610768	0.397472	21.2751	8.4	92.457919	2.1	21.37698	-41.3547
12.88	21.36	130.46	84.9	0.610768	0.397472	21.2751	8.4	92.604002	1.8	21.37698	-41.4528
12.89	20.84	111.35	86.14	0.534309	0.41334	20.75386	8.4	92.750085	1.8	20.857228	-40.3109
12.9	21.12	112.88	85.55	0.53447	0.405066	21.03445	8.5	92.897894	2	21.13711	-40.999
12.91	21.24	119.39	84.49	0.5621	0.397787	21.15551	8.5	93.045704	2	21.256898	-42.1571
12.92	21.24	123.34	84.08	0.580697	0.395857	21.15592	8.4	93.191787	1.9	21.256816	-42.6652
12.93	21.25	125	83.6	0.588235	0.393412	21.1664	8.4	93.33787	1.9	21.26672	-43.2433
12.94	21.31	127.36	83.13	0.597654	0.390099	21.22687	8.5	93.485679	2	21.326626	-43.8114
12.95	21.34	129.69	82.3	0.607732	0.385661	21.2577	8.5	93.633488	2	21.35646	-44.7395
12.96	21.31	131.26	81.83	0.615955	0.383998	21.22817	8.5	93.781298	1.9	21.326366	-45.3076
12.97	21.3	130.94	81.48	0.614742	0.382535	21.21852	8.5	93.929107	1.9	21.316296	-45.7557
12.98	21.31	131.54	81.06	0.617269	0.380385	21.22894	8.5	94.076917	1.9	21.326212	-46.2738
12.99	21.32	132.44	80.71	0.621201	0.378565	21.23929	8.6	94.226452	1.9	21.336142	-46.7219
13	21.33	134.67	80.35	0.631364	0.376699	21.24965	8.5	94.374261	2	21.34607	-47.18
13.01	21.23	133.55	79.23	0.629063	0.373198	21.15077	8.5	94.522071	2	21.245846	-48.3981
13.02	21.21	132.69	78.88	0.625601	0.3719	21.13112	8.6	94.671606	2	21.225776	-48.8462
13.03	21.07	132.09	78.17	0.62691	0.371001	20.99183	8.5	94.819416	1.9	21.085634	-49.6543
13.04	21	132.15	77.81	0.629286	0.370524	20.92219	8.5	94.967225	2	21.015562	-50.1124
13.05	21.02	132.37	77.46	0.629734	0.368506	20.94254	8.6	95.11676	2	21.035492	-50.5605
13.06	20.99	132.34	77.16	0.630491	0.367604	20.91284	8.6	95.266296	2	21.005432	-50.9586
13.07	20.94	131.99	76.87	0.630325	0.367096	20.86313	8.5	95.414105	2	20.955374	-51.3467
13.08	20.95	132.31	76.51	0.631551	0.365203	20.87349	8.6	95.56364	1.9	20.965302	-51.8048
13.09	20.98	131.51	75.92	0.626835	0.361868	20.90408	8.6	95.713176	1.9	20.995184	-52.4929
13.1	20.94	131.13	75.63	0.626218	0.361175	20.86437	8.6	95.862711	1.9	20.955126	-52.881
13.11	20.91	131.61	75.33	0.629412	0.360258	20.83467	8.5	96.010521	1.9	20.925066	-53.2791
13.12	20.86	131.61	74.98	0.63092	0.359444	20.78502	8.6	96.160056	1.9	20.874996	-53.7272
13.13	20.68	132.53	74.39	0.640861	0.35972	20.60561	8.6	96.309591	1.9	20.694878	-54.4153
13.14	20.53	131	74.03	0.638091	0.360594	20.45597	8.6	96.459127	2	20.544806	-54.8734
13.15	20.32	128.9	73.68	0.63435	0.362598	20.24632	8.6	96.608662	2	20.334736	-55.3215
13.16	20.07	127.97	73.38	0.637618	0.36562	19.99662	8.6	96.758197	2	20.084676	-55.7196
13.17	19.74	127.49	73.03	0.645846	0.369959	19.66697	8.6	96.907733	2	19.754606	-56.1677
13.18	18.89	123.86	72.26	0.655691	0.38253	18.81774	8.6	97.057268	1.9	18.904452	-57.0358
13.19	18.49	120.38	71.96	0.651055	0.389183	18.41804	8.6	97.206803	1.9	18.504392	-57.4339
13.2	18.19	116.77	71.55	0.641946	0.393348	18.11845	8.6	97.356339	2	18.20431	-57.942
13.21	17.87	115.82	71.26	0.648125	0.398769	17.79874	8.6	97.505874	2	17.884252	-58.3301
13.22	17.53	114.12	70.96	0.650998	0.404792	17.45904	8.6	97.655409	2	17.544192	-58.7282
13.23	17.11	106.5	70.31	0.622443	0.410929	17.03969	8.7	97.80667	2	17.124062	-59.4763
13.24	17.11	106.5	70.31	0.622443	0.410929	17.03969	8.7	97.957931	2.1	17.124062	-59.5744
13.25	16.71	98.71	70.01	0.590724	0.418971	16.63999	8.7	98.109192	2.1	16.724002	-59.9725
13.26	16.6	96.67	69.66	0.582349	0.419639	16.53034	8.7	98.260453	2	16.613932	-60.4206
13.27	16.52	93.9	69.54	0.568402	0.420944	16.45046	8.7	98.411713	2	16.533908	-60.6387
13.28	16.37	93.26	69.31	0.569701	0.423396	16.30069	8.7	98.562974	2.1	16.383862	-60.9668
13.29	16.27	93.61	69.01	0.575353	0.424155	16.20099	8.7	98.714235	2.1	16.283802	-61.3649
13.3	16.11	97.95	68.54	0.608007	0.42545	16.04146	8.7	98.865496	2	16.123708	-61.933
13.31	16.11	97.95	68.54	0.608007	0.42545	16.04146	8.7	99.016757	2	16.123708	-62.0311
13.32	15.93	100.92	68.36	0.633522	0.429127	15.86164	8.7	99.168018	2.1	15.943672	-62.3092
13.33	15.85	94.69	68.18	0.597413	0.430158	15.78182	8.7	99.319278	2.1	15.863636	-62.5873
13.34	15.7	93.74	68.01	0.59707	0.433185	15.63199	8.7	99.470539	2.1	15.713602	-62.8554
13.35	15.53	94.15	67.89	0.606246	0.437154	15.46211	8.7	99.6218	2.1	15.543578	-63.0735

13.36	15.34	94.95	67.77	0.61897	0.441786	15.27223	8.7	99.773061	2.1	15.353554	-63.2916
13.37	15.22	97.66	67.71	0.641656	0.444875	15.15229	8.7	99.924322	2.1	15.233542	-63.4497
13.38	15	101.01	67.59	0.6734	0.4506	14.93241	8.7	100.075582	2.1	15.013518	-63.6678
13.39	14.63	104.11	67.47	0.71162	0.461176	14.56253	8.7	100.226843	2	14.643494	-63.8859
13.4	14.54	105.06	67.42	0.722558	0.463686	14.47258	8.7	100.378104	2	14.553484	-64.034
13.41	14.44	105.64	67.42	0.731579	0.466898	14.37258	8.7	100.529365	2	14.453484	-64.1321
13.42	14.43	107.11	67.47	0.742273	0.467568	14.36253	8.7	100.680626	2	14.443494	-64.1802
13.43	14.45	107.93	67.47	0.74692	0.46692	14.38253	8.7	100.831887	2.1	14.463494	-64.2783
13.44	14.49	107.78	67.47	0.743823	0.465631	14.42253	8.7	100.983147	2.1	14.503494	-64.3764
13.45	14.55	108.19	67.53	0.743574	0.464124	14.48247	8.7	101.134408	2	14.563506	-64.4145
13.46	14.57	108.38	67.59	0.743857	0.463898	14.50241	8.7	101.285669	2	14.583518	-64.4526
13.47	14.61	108.92	67.59	0.745517	0.462628	14.54241	8.7	101.43693	2	14.623518	-64.5507
13.48	14.71	108.06	67.65	0.734602	0.459891	14.64235	8.7	101.588191	2	14.72353	-64.5888
13.49	14.79	107.26	67.77	0.72522	0.458215	14.72223	8.7	101.739452	2	14.803554	-64.5669
13.5	14.92	106.02	67.77	0.71059	0.454223	14.85223	8.8	101.892437	2	14.933554	-64.665
13.51	15.04	104.84	67.83	0.697074	0.450997	14.97217	8.7	102.043698	2.1	15.053566	-64.7031
13.52	15.5	103.31	68.01	0.666516	0.438774	15.43199	8.8	102.196684	2.1	15.513602	-64.6212
13.53	15.74	102.16	68.01	0.649047	0.432084	15.67199	8.8	102.34967	2	15.753602	-64.7193
13.54	15.91	101.27	68.06	0.636518	0.427781	15.84194	8.8	102.502656	2	15.923612	-64.7674
13.55	16.1	100.98	68.06	0.627205	0.422733	16.03194	8.8	102.655642	2	16.113612	-64.8655
13.56	16.21	100.44	68.01	0.619618	0.419556	16.14199	8.8	102.808627	2	16.223602	-65.0136
13.57	16.35	100.72	68.06	0.616024	0.416269	16.28194	8.8	102.961613	2	16.363612	-65.0617
13.58	16.42	100.63	68.01	0.61285	0.41419	16.35199	8.8	103.114599	2	16.433602	-65.2098
13.59	16.55	101.01	67.95	0.610332	0.410574	16.48205	8.8	103.267585	2.1	16.56359	-65.3679
13.6	16.63	101.84	67.89	0.612387	0.408238	16.56211	8.9	103.422295	2.1	16.643578	-65.526
13.61	16.69	102.51	67.83	0.6142	0.406411	16.62217	8.8	103.575281	2	16.703566	-65.6841
13.62	16.75	104.04	67.71	0.621134	0.404239	16.68229	8.9	103.729991	2	16.763542	-65.9022
13.63	16.85	104.49	67.59	0.620119	0.401128	16.78241	8.9	103.884702	2.1	16.863518	-66.1203
13.64	16.93	105.25	67.42	0.621677	0.398228	16.86258	8.9	104.039412	2.1	16.943484	-66.3884
13.65	17.03	105.99	67.24	0.622372	0.394833	16.96276	8.9	104.194123	2	17.043448	-66.6665
13.66	17.22	107.26	66.94	0.62288	0.388734	17.15306	8.9	104.348833	2	17.233388	-67.0646
13.67	17.3	108.06	66.77	0.624624	0.385954	17.23323	8.9	104.503543	2	17.313354	-67.3327
13.68	17.35	108.83	66.53	0.627262	0.383458	17.28347	8.9	104.658254	2	17.363306	-67.6708
13.69	17.35	109.5	66.35	0.631124	0.382421	17.28365	8.9	104.812964	2	17.36327	-67.9489
13.7	17.28	109.63	66.17	0.634433	0.382928	17.21383	8.9	104.967675	2	17.293234	-68.227
13.71	17.16	111.8	65.94	0.651515	0.384266	17.09406	8.9	105.122385	2	17.173188	-68.5551
13.72	17.07	112.75	65.7	0.660516	0.384886	17.0043	8.9	105.277095	2	17.08314	-68.8932
13.73	16.95	113.87	65.41	0.671799	0.3859	16.88459	8.9	105.431806	2.1	16.963082	-69.2813
13.74	17.01	115.4	65.17	0.678424	0.383128	16.94483	8.9	105.586516	2.1	17.023034	-69.6194
13.75	17.09	115.05	64.93	0.673201	0.37993	17.02507	8.9	105.741226	2	17.102986	-69.9575
13.76	17.19	115.5	64.76	0.671902	0.376731	17.12524	8.9	105.895937	2	17.202952	-70.2256
13.77	17.28	114.41	64.58	0.662095	0.373727	17.21542	8.9	106.050647	2	17.292916	-70.5037
13.78	17.69	112.34	64.22	0.635048	0.36303	17.62578	8.9	106.205358	2	17.702844	-70.9618
13.79	17.94	112.02	64.11	0.624415	0.357358	17.87589	8.9	106.360068	2	17.952822	-71.1699
13.8	18.19	111.25	63.93	0.6116	0.351457	18.12607	8.9	106.514778	2	18.202786	-71.448
13.81	18.48	110.87	63.75	0.599946	0.344968	18.41625	8.9	106.669489	2	18.49275	-71.7261
13.82	18.79	110.36	63.57	0.587334	0.338318	18.72643	8.9	106.824199	2	18.802714	-72.0042
13.83	18.96	108.83	63.4	0.573998	0.334388	18.8966	8.9	106.97891	2	18.97268	-72.2723
13.84	19.17	106.79	63.22	0.557068	0.329786	19.10678	8.9	107.13362	2	19.182644	-72.5504
13.85	19.33	96.96	62.69	0.501604	0.324315	19.26731	8.9	107.28833	2	19.342538	-73.1785
13.86	19.27	88.76	62.51	0.460612	0.32439	19.20749	8.9	107.443041	2	19.282502	-73.4566
13.87	19.27	88.76	62.51	0.460612	0.32439	19.20749	8.9	107.597751	2.3	19.282502	-73.5547
13.88	19.27	88.76	62.51	0.460612	0.32439	19.20749	8.9	107.752462	2.2	19.282502	-73.6528
13.89	11.17	60.08	64.7	0.537869	0.57923	11.1053	8.8	107.905447	2.2	11.18294	-71.5609
13.9	18	70.22	65.23	0.390111	0.362389	17.93477	8.9	108.060158	1.7	18.013046	-71.129
13.91	17.53	68.37	64.17	0.390017	0.366058	17.46583	8.9	108.214868	1.7	17.542834	-72.2871
13.92	16.65	70.99	63.57	0.426366	0.381802	16.58643	8.9	108.369579	2	16.662714	-72.9852
13.93	15.49	73.96	63.04	0.477469	0.406972	15.42696	9	108.526013	2	15.502608	-73.6133
13.94	14.13	76.38	62.22	0.540552	0.44034	14.06778	8.9	108.680723	2	14.142444	-74.5314
13.95	12.71	78.33	61.8	0.616286	0.486231	12.6482	9	108.837158	2	12.72236	-75.0495
13.96	11.34	80.78	61.39	0.712346	0.541358	11.27861	9	108.993592	2.1	11.352278	-75.5576
13.97	9.3	92.75	61.15	0.997312	0.657527	9.23885	9	109.150027	2.1	9.31223	-75.8957
13.98	8.74	103.69	60.92	1.186384	0.697025	8.67908	9	109.306461	2	8.752184	-76.2238
13.99	8.28	120.57	60.92	1.456159	0.735749	8.21908	9	109.462896	2	8.292184	-76.3219
14	7.8	142.11	61.09	1.821923	0.783205	7.73891	9	109.61933	2	7.812218	-76.25
14.01	6.72	179.63	61.39	2.673065	0.913542	6.65861	9	109.775765	2.1	6.732278	-76.0481
14.02	5.7	191.62	62.39	3.361754	1.094561	5.63761	9	109.932199	2.1	5.712478	-75.1462
14.03	5.42	190.44	63.63	3.513653	1.173985	5.35637	9	110.088634	2	5.432726	-74.0043
14.04	5.45	178.7	65.05	3.278899	1.193578	5.38495	9	110.245068	2	5.46301	-72.6824
14.05	5.64	175.45	66.23	3.110816	1.174291	5.57377	9	110.401502	2	5.653246	-71.6005
14.06	5.94	177.3	67.3	2.984848	1.132997	5.8727	9	110.557937	2	5.95346	-70.6286
14.07	6.2	175.8	67.89	2.835484	1.095	6.13211	9	110.714371	2.1	6.213578	-70.1367

14.08	6.27	169.99	67.71	2.711164	1.079904	6.20229	9	110.870806	2.1	6.283542	-70.4148
14.09	5.66	150.75	67.95	2.663428	1.20053	5.59205	9	111.02724	2	5.67359	-70.2729
14.1	5.13	135.82	68.24	2.647563	1.330214	5.06176	9	111.183675	2	5.143648	-70.081
14.11	4.69	118.21	68.71	2.520469	1.465032	4.62129	9	111.340109	2	4.703742	-69.7091
14.12	4.48	105.86	69.48	2.362946	1.550893	4.41052	9	111.496544	2	4.493896	-69.0372
14.13	4.37	101.01	70.66	2.311442	1.616934	4.29934	9	111.652978	2.1	4.384132	-67.9553
14.14	4.37	94.66	71.96	2.166133	1.646682	4.29804	9	111.809413	2.1	4.384392	-66.7534
14.15	4.42	82.32	73.21	1.862443	1.656335	4.34679	9	111.965847	2.1	4.434642	-65.6015
14.16	4.52	75.9	74.98	1.679204	1.65885	4.44502	9	112.122282	2.1	4.534996	-63.9296
14.17	4.63	72.04	75.81	1.55594	1.637365	4.55419	9	112.278716	2	4.645162	-63.1977
14.18	4.72	74.08	76.4	1.569492	1.618644	4.6436	8.9	112.433426	2	4.73528	-62.7058
14.19	4.76	74.69	76.69	1.569118	1.611134	4.68331	8.9	112.588137	2	4.775338	-62.5139
14.2	4.73	77.66	77.1	1.64186	1.630021	4.6529	9	112.744571	2	4.74542	-62.202
14.21	4.71	89.08	77.58	1.891295	1.647134	4.63242	9	112.901006	2	4.725516	-61.8201
14.22	4.6	95.72	77.99	2.08087	1.695435	4.52201	9	113.05744	2.1	4.615598	-61.5082
14.23	3.89	86.59	78.58	2.225964	2.020051	3.81142	9	113.213875	2.1	3.905716	-61.0163
14.24	3.52	79.51	79.17	2.258807	2.249148	3.44083	9.1	113.372033	2	3.535834	-60.5244
14.25	3.15	70.8	79.88	2.247619	2.535873	3.07012	9	113.528467	2	3.165976	-59.9125
14.26	2.84	63.87	81	2.248944	2.852113	2.759	9.1	113.686625	2	2.8562	-58.8906
14.27	2.57	57.27	82.19	2.228405	3.198054	2.48781	9.1	113.844783	2	2.586438	-57.7987
14.28	2.35	48.14	83.43	2.048511	3.550213	2.26657	9.1	114.002941	2.1	2.366686	-56.6568
14.29	2.16	40.62	84.84	1.880556	3.927778	2.07516	9.1	114.161099	2.1	2.176968	-55.3449
14.3	2.1	34.43	87.8	1.639524	4.180952	2.0122	9.1	114.319258	2.1	2.11756	-52.483
14.31	2.14	33.31	89.16	1.556542	4.166355	2.05084	9	114.475692	2.1	2.157832	-51.2211
14.32	2.22	31.49	90.52	1.418468	4.077477	2.12948	9	114.632126	2.1	2.238104	-49.9592
14.33	3.08	41.41	65.88	1.344481	2.138961	3.01412	9	114.788561	2.1	3.093176	-74.6973
14.34	8.72	60.49	64.76	0.693693	0.742661	8.65524	8.9	114.943271	2	8.732952	-75.9154
14.35	19.26	29.67	105.11	0.15405	0.545742	19.15489	8.4	115.089354	2	19.281022	-35.6635
14.36	32.07	35.7	99.44	0.111319	0.310072	31.97056	8.4	115.235437	1.7	32.089888	-41.4316
14.37	41.56	43.07	101.74	0.103633	0.244803	41.45826	8.6	115.384973	1.9	41.580348	-39.2297
14.38	38.86	16.56	99.5	0.042615	0.256047	38.7605	9	115.541407	0	38.8799	-41.5678
14.39	39.05	16.21	99.32	0.041511	0.254341	38.95068	8.9	115.696118	0.6	39.069864	-41.8459
14.4	37.16	12.16	98.08	0.032723	0.26394	37.06192	8.9	115.850828	0.6	37.179616	-43.184

Company information:	
Name:	LandTest Limited
Address:	300 Cashel Street
Zip code:	8011
City:	Christchurch
P.IVA:	
E-Mail:	info@landtest.co.nz
Phone number:	0800 837837
Fax number:	
Site information:	
Name:	Blind Creek
Date:	14/02/2017
Commissioner:	Marlborough DC
Locality:	Blenheim
Test information:	
Name:	BC2A
Location:	BC2A
Date:	14/02/2017
Prehole mode:	
Prehole depth [cm]:	0
Hydrostatic line [cm]:	0
Ground level [m]:	0
Latitude:	-41.440548
Longitude:	173.977533
Operator:	Gray Lewis
Comments:	
Probe code:	MKJ330



	Qc	Fs	Speed	U2	Tilt	a Factor
Factors:	192460	31343	10	16925	150151	0.8
Zeros:	2248	3785	0	15870	12	