

Time	Cal. Gear	(RPM	(RPM	Accel Ped.	WGDC (%)	Timing CA	Intake Mar	Cam Angle	Lambda	A Cyl1	Knock Cyl2	Knock Cyl3	Knock Cyl4	Knock STFT ()	LTFT ()	Boost (PSI)	Load Per C	Load Requi	Torque Re	EGT (Mani)	Torque	Efficiency (Fac)
0	3	2380	0	87.74	0	81.95	7.41	235.05	3.2	1.68	1.98	2.98	1	0.99	-10.56	14.6	14.7	0	930.2	0		
0.14	3	2376	0	87.7	-0.75	81.95	7.94	235.05	3.2	1.6	1.98	2.98	1	0.99	-10.57	14.67	14.7	0	927.5	0		
0.26	3	2342	0	87.73	-0.75	81.95	8.75	235.05	3.28	1.6	1.98	2.9	1	0.99	-10.51	14.77	14.7	0	925.9	0		
0.4	3	2340	0	87.73	-0.75	81.95	7.98	235.05	3.36	1.53	2.06	2.9	1	0.99	-10.55	14.88	14.67	0	923.4	0		
0.54	3	2322	0	87.72	-0.75	81.95	7.23	235.05	3.28	1.53	2.06	2.9	1	0.99	-10.53	14.88	14.65	0	921.1	0		
0.68	3	2303	0	87.75	-0.75	81.95	7.63	235.05	3.28	3.05	1.98	2.82	1	0.99	-10.58	14.55	14.65	0	919.7	0		
0.8	3	2286	0	87.75	-0.75	81.95	7.7	235.05	3.36	2.9	1.98	2.82	1	0.99	-10.58	14.72	14.62	0	917.6	0		
0.94	3	2267	0	88	-0.75	81.95	8.99	235.05	3.36	2.98	1.91	2.9	1	0.99	-10.58	14.58	14.6	0	915.6	0		
1.06	3	2248	0	87.95	-0.75	81.95	7.98	235.05	3.43	3.13	1.91	2.9	1	0.99	-10.58	14.67	14.6	0	914.4	0		
1.2	3	2225	0	87.8	-0.75	81.95	7.45	235.05	3.43	3.13	1.83	2.82	1	0.99	-10.59	14.53	14.58	0	912.5	0		
1.34	3	2190	0	87.71	0	81.95	7.17	235.05	3.51	3.13	1.83	2.82	1	0.99	-10.66	14.44	14.53	0	910.9	0		
1.48	3	2168	0	87.64	0	81.95	7.5	235.05	3.43	3.2	1.83	2.9	1	0.99	-10.64	14.53	14.53	0	909.8	0		
1.62	3	2130	0	87.57	-0.75	81.95	7.61	235.05	3.51	3.2	1.91	2.98	1	0.99	-10.62	14.7	14.48	0	908.3	0		
1.76	3	2048	0	87.49	-0.75	81.95	7.96	235.05	3.36	3.2	1.91	2.98	1	0.99	-10.56	14.91	14.39	0	906.9	0		
1.9	3	1907	0	87.48	-0.75	81.95	8.93	235.05	3.36	3.2	1.91	2.98	1	0.99	-10.43	15.16	14.39	0	905.7	0		
2.04	3	1751	0	87.48	-1.5	81.95	8.18	235.05	3.28	3.13	1.83	3.05	1	0.99	-10.41	15.14	14.23	0	904.9	0		
2.18	4	1621	0	87.48	-0.75	81.95	8.31	235.05	3.05	2.9	1.75	2.9	1	0.99	-10.46	14.98	14.04	0	904.3	0		
2.32	4	1475	0	87.48	0.75	81.95	10.11	235.05	3.05	2.82	1.75	2.75	1	0.99	-10.43	14.95	13.95	0	903.9	0		
2.46	4	1315	0	87.48	-1.5	81.95	10.31	235.05	2.82	2.59	1.68	2.67	1	0.99	-10.45	14.7	13.95	2.71	906.9	0.86		
2.6	5	1195	0	87.48	12.75	81.95	18.81	235.05	2.75	2.44	1.6	2.44	1	0.99	-10.6	13.43	13.97	2.96	909.2	0.7		
2.74	5	1215	0	87.48	9.75	81.95	21.62	235.05	2.59	2.21	1.6	2.37	1	0.99	-10.78	13.17	13.95	2.69	910.8	0		
2.88	5	1378	0	87.46	-0.75	81.95	18.68	214.62	2.52	2.21	3.05	2.14	1	0.99	-11.09	12.35	13.95	2.53	913	0		
3.02	4	1669	0	87.39	3	81.95	10.51	59.24	2.44	1.98	2.98	2.06	1	0.99	-11.26	13.48	13.85	2.11	914.7	0.03		
3.16	3	2004	0	87.33	2.25	81.95	9.5	26.02	2.37	2.21	3.28	1.98	1	0.99	-11.15	13.38	14.04	2.47	918.4	0.48		
3.3	2	2471	0	87.3	13.5	81.95	9.72	14.99	2.52	3.81	3.59	2.21	1	0.99	-11.27	13.71	14.48	0	920.8	0		
3.44	2	2447	0	87.32	15	81.95	8.4	13.08	2.59	3.51	4.2	2.59	1	0.99	-10.75	15.42	14.81	0	922	0		
3.58	2	2304	0	87.31	13.5	81.95	6.53	17.2	2.9	3.13	4.12	2.82	1	0.99	-10.45	15.21	17.16	7.35	927.8	1		
3.72	2	2455	9.29	87.34	27	81.95	7.21	39.69	2.44	2.98	3.89	2.44	1	0.99	-10.53	20.48	19.52	11.61	931.1	0.89		
3.86	2	2358	9.94	79.04	12	81.95	1.9	25.58	2.21	2.52	3.51	2.21	1	0.99	-9.78	21.21	23.53	12.59	941.8	1		
4	2	2340	11.22	67.62	21.75	81.95	0.38	14.41	2.06	2.37	2.98	2.29	1	0.99	-9.28	24.56	23.65	13.17	951.3	0.71		
4.14	2	2352	11.54	62.22	5.25	81.95	-0.88	13.52	1.98	2.37	2.75	2.14	1	0.99	-9.03	24.66	23.65	13.17	961.6	0.96		
4.28	2	2335	11.86	58.46	20.25	81.95	-0.28	13.38	1.98	2.44	2.75	2.14	1	0.99	-9.08	25.76	26.11	14.13	969.8	1		
4.42	2	2341	12.82	54.75	20.25	81.95	-1.86	13.08	1.98	2.44	2.67	2.14	1	0.99	-8.75	26.7	26.95	14.68	975.1	1		
4.56	2	2329	13.14	52.55	19.5	81.95	-1.71	13.23	1.91	2.44	2.67	2.06	1.01	0.99	-8.69	27.23	27.75	15.01	982.6	1		
4.7	2	2338	13.46	50.45	19.5	81.95	-2.21	13.38	1.91	2.52	2.52	2.06	1.03	0.99	-8.47	27.91	28.55	15.28	990.2	1		
4.84	2	2334	13.78	48.7	19.5	81.95	-1.66	13.38	1.91	2.52	2.52	2.06	1.04	0.99	-8.45	29.16	29.34	15.57	997.7	1		
4.98	2	2334	14.1	47.43	18.75	81.95	-1.84	13.08	1.98	2.44	2.52	2.06	1.04	0.99	-8.13	29.62	29.34	15.86	1005.62	1		
5.12	2	2343	14.42	46.03	18.75	81.95	-2.63	13.08	1.98	2.44	2.44	2.06	1.04	0.99	-8.16	29.16	29.37	15.89	1010.45	1		
5.26	2	2338	14.42	44.88	18.75	81.95	-1.71	13.08	1.98	2.37	2.44	2.06	1.03	0.99	-8.25	28.9	29.39	15.87	1016.92	1		
5.4	2	2342	14.42	44.09	18.75	81.95	-2.3	13.23	1.91	2.37	2.37	2.06	1.02	0.99	-8.29	29.06	29.41	15.86	1022.96	1		
5.54	2	2331	14.42	43.75	18.75	81.95	-1.77	13.38	1.91	2.44	2.29	2.14	1.03	0.99	-8.25	30.7	31.92	16.45	1028.63	1		
5.68	2	2344	15.06	42.96	18	81.95	-2.74	13.52	1.91	2.37	2.29	2.14	1.03	0.99	-7.85	31.95	35.11	17	1034.82	1		
5.82	2	2356	16.35	41.02	18	81.95	-2.1	13.67	1.91	2.37	2.37	2.21	1.03	0.99	-7.36	41.06	44.77	20.15	1040.35	0.87		
5.96	2	2413	19.07	35.96	6	81.95	-3.4	13.82	1.98	2.52	2.44	2.29	1.04	0.99	-5.13	43.1	45.26	20.37	1054.56	0.99		
6.1	2	2385	19.39	35.24	31.5	81.95	-3.02	13.96	2.06	2.67	2.67	2.37	1.04	0.99	-5.65	44.3	49.71	22.48	1063.74	0.99		
6.24	2	2419	22.44	34.75	30	81.95	-3.97	13.52	2.14	2.67	2.82	2.44	1.02	0.99	-4.37	52.9	53.25	24.17	1075.84	0.99		
6.38	2	2429	23.4	34.52	25.5	81.95	-3.38	13.96	2.29	2.82	3.05	2.67	1.02	0.99	-3.98	53.37	59.72	27.29	1082.03	0.99		
6.52	2	2493	26.44	36.71	1.5	81.95	-6.63	13.67	2.37	2.98	3.28	2.75	1.01	0.99	-2.9	58.88	60.19	27.52	1100.68	0.93		
6.66	2	2550	27.08	35.35	23.25	81.95	-12.45	14.11	2.37	3.28	3.51	2.75	1.01	0.99	-2.81	60.77	65.11	29.9	1113.53	0.93		
6.8	2	2566	30.61	35.58	21.75	81.95	-17.33	13.96	2.67	3.51	3.66	3.13	1	0.99	-1.85	66.45	73.41	33.85	1127.26	0.93		
6.92	2	2628	33.17	34.68	18	81.95	-28.01	13.82	2.9	3.74	3.81	3.28	0.98	0.99	-0.55	73.5	73.9	34.1	1136.54	0.93		
7.06	2	2685	33.49	32.01	17.25	81.95	-29.51	14.26	2.98	4.04	4.2	3.36	0.98	0.99	-0.1	77.18	80.34	37.1	1151.17	0.93		
7.2	2	2725	37.18	35.18	17.25	81.95	-28.36	13.96	3.13	4.04	4.43	3.36	0.97	0.99	0.28	83.23	88.78	40.97	1168.09	0.93		
7.34	2	2802	42.63	39.86	17.25	81.95	-27.22	14.11	3.2	4.2	2.37	3.66	0.96	0.99	0.94	91.85	101.8	47.43	1187.82	0.93		
7.46	2	2882	46.96	40.53	15	81.95	-25.13	14.26	3.51	4.2	2.52	4.12	0.95	0.99	1.47	93.75	101.7	47.49	1199.17	0.93		
7.6	2	2928	47.28	39.75	15.75	81.95	-25.02	14.26	3.74	4.2	2.59	4.12	0.94	0.99	1.84	94.73	102.7	48.13	1213.18	0.93		

7.74	2	3003	48.4	39.36	15.75	81.95	-23.33	14.85	4.27	4.35	2.44	4.27	0.97	0.99	2.26	96.16	107.4	50.56	1226.17	0.93
7.88	2	3107	50.32	40.62	15.75	81.95	-20.89	14.7	4.43	2.29	2.67	2.44	0.98	0.99	2.57	98.74	110.1	51.78	1234.7	0.93
8	2	3153	53.04	42.68	15	81.95	-21.22	14.41	4.5	2.44	2.67	2.52	0.98	0.99	2.96	101.5	125	58.31	1244.87	0.93
8.14	2	3247	59.62	85.61	13.5	81.95	-19.29	14.55	2.44	2.67	3.2	3.05	0.98	0.99	4.02	108	136.3	63.18	1256.96	0.93
8.28	2	3318	63.62	54.8	10.5	81.95	-19.53	13.96	2.52	2.67	3.28	2.9	0.96	0.99	5.85	121.6	149.1	66.85	1267.79	0.93
8.4	2	3411	67.79	48.95	3.75	81.95	-18.91	15.14	2.44	2.59	3.05	2.9	1.01	0.99	8.35	139.9	164.6	70.61	1304.73	0.93
8.54	2	3530	71.47	55.37	0	81.95	-19.46	14.11	2.75	2.59	3.13	2.9	0.99	0.99	11.05	157.1	185.8	74.87	1358.78	0.93
8.68	2	3620	76.44	64.03	-2.25	81.95	-20.25	14.26	3.05	2.75	3.28	3.2	0.97	0.99	13.7	175.1	186	79.26	1405.23	0.93
8.8	2	3747	79.33	56.51	-2.25	81.95	-20.38	14.41	3.43	3.13	3.74	3.43	0.96	0.99	17.24	189.1	186	80.24	1478.87	0.93
8.94	2	3881	79.97	55.3	-1.5	81.95	-20.59	14.55	3.97	3.51	4.12	3.66	0.98	0.99	18.73	190.7	186	80.87	1500.2	0.93
9.06	2	4015	80.93	58.51	-1.5	81.95	-18.98	14.26	4.27	3.74	4.27	3.97	0.98	0.99	18.78	184.7	185	82.84	1517.17	0.93
9.2	2	4148	82.53	60.08	-0.75	81.95	-18.84	14.41	4.5	3.74	2.37	4.04	0.99	0.99	18.54	187.7	185	84.44	1529.21	0.93
9.32	2	4299	84.14	58.36	0	81.95	-13.27	13.82	2.29	3.81	2.44	4.2	0.98	0.99	17.8	184.4	185	86.16	1533.43	0.93
9.46	2	4403	86.22	59.2	0	81.95	-11.8	13.67	2.37	4.04	2.44	4.2	0.95	0.99	17.04	183.8	185	88.06	1538.45	0.93
9.6	2	4542	88.14	60.47	0.75	81.95	-6.88	13.67	2.44	4.58	2.52	4.58	0.95	0.99	16.29	179.8	184	90.21	1539.71	0.93
9.72	2	4624	90.71	61.26	0.75	81.95	-3.18	13.67	2.59	2.59	2.82	2.37	0.94	0.99	15.51	174	183	94.23	1528.93	0.93
9.86	2	4753	95.51	62.41	1.5	81.95	-2.1	13.67	2.59	2.67	2.98	2.52	0.95	0.99	15	172.1	182	97.07	1508.07	0.93
10	2	4856	97.44	63.4	2.25	83.3	-2.67	13.38	2.59	2.9	2.98	2.9	0.95	0.99	15.07	170.9	181	98.36	1489.18	0.93
10.12	2	4958	99.84	64.6	2.25	83.3	0.4	13.38	2.52	2.9	3.2	2.9	0.94	0.99	15.03	170.2	181	99.22	1478.78	0.93
10.26	2	5094	100	66.6	3.75	83.3	0.02	13.23	2.59	2.9	3.28	3.2	0.93	0.99	15.13	170.9	179	99.22	1457.49	0.93
10.38	2	5199	100	67.1	3.75	84.65	2.73	13.08	2.82	3.13	3.59	3.28	0.93	0.99	15.54	173.3	177	99.22	1461.76	0.93
10.52	2	5300	100	66.02	3.75	84.65	3.3	13.08	3.28	3.28	4.04	3.59	0.92	0.99	16	173.3	175	99.22	1480.04	0.93
10.64	2	5409	100	65.21	3.75	84.65	4.82	12.94	3.97	3.66	4.43	3.66	0.92	0.99	16.17	173.9	174	99.22	1502.63	0.93
10.78	2	5529	100	64.4	1.5	86	4.05	12.79	3.81	3.81	2.37	4.2	0.92	0.99	16.44	171.9	172	99.22	1507.7	0.93
10.9	2	5641	100	63.73	1.5	86	4.27	12.94	3.97	4.35	2.44	4.2	0.92	0.99	16.02	168.9	170	99.22	1515.48	0.93
11.04	2	5728	100	64.54	2.25	86	6.93	12.64	3.97	2.52	2.59	4.2	0.93	0.99	15.53	165.2	169	99.22	1498.74	0.93
11.16	2	5818	100	64.53	2.25	87.35	6.07	12.64	3.97	2.75	2.59	4.04	0.94	0.99	15.27	164.5	167	99.22	1499.96	0.93
11.3	2	5898	100	63.98	2.25	88.7	7.3	12.35	4.35	2.98	2.82	4.35	0.92	0.99	15.01	163.2	166	99.22	1486.51	0.93
11.44	2	5985	100	64.48	2.25	88.7	7.32	12.35	4.27	2.98	2.9	4.5	0.92	0.99	14.97	159.5	164	99.22	1470.2	0.93
11.58	2	6088	100	65.61	3.75	90.05	7.65	12.49	4.27	2.9	4.5	4.5	0.93	0.99	14.83	156.2	162	99.22	1445.31	0.93
11.72	2	6199	100	65.2	3.75	91.4	8.48	12.35	4.04	2.9	2.75	4.27	0.93	0.99	14.4	154.7	160	99.22	1466.78	0.93
11.86	2	6286	100	64.11	3.75	92.75	9.89	12.35	3.89	3.13	2.59	4.04	0.93	0.99	14.56	154.1	158	99.22	1447.74	0.93
12	2	6369	100	64.13	4.5	92.75	9.43	12.05	3.89	3.05	2.52	3.89	0.93	0.99	14.49	152	157	99.22	1443.76	0.93
12.14	2	6469	100	64.12	4.5	94.1	10.53	12.2	3.97	2.75	2.52	3.97	0.94	0.99	14.42	149.8	153.4	99.22	1449.24	0.93
12.28	2	6551	100	62.15	5.25	95.45	11.61	12.05	4.04	2.67	2.44	3.97	0.94	0.99	14.17	148.2	153	99.15	1437.62	0.93
12.42	2	6654	81.57	63.68	4.5	96.8	11.7	12.05	3.89	2.59	2.59	3.81	0.94	0.99	14.15	149.5	97.59	43.91	1462.42	0.44
12.56	2	6651	0	35.55	-2.25	98.15	9.76	11.91	3.74	2.44	2.44	3.66	0.93	0.99	11.19	36.49	17.79	0	1482.53	0.74
12.7	2	6509	0	92.81	10.5	99.5	4.18	10.29	3.43	2.14	2.14	3.28	0.82	0.99	-9.8	16.95	17.79	0	1355.87	0
12.84	2	6347	0	92.77	5.25	99.5	3.91	13.82	3.28	1.91	1.91	3.13	1	0.99	-9.43	16.97	17.74	0	1328.31	0
12.98	2	6123	0	92.73	4.5	102.2	3.08	74.24	3.36	1.75	1.68	3.13	1	0.99	-9.73	16.5	17.62	0	1288.6	0
13.12	2	5905	0	92.72	4.5	102.2	3.32	178.75	3.51	1.68	1.68	2.9	1	0.99	-9.85	27.21	47.11	25.5	1266.76	1
13.26	2	5792	44.39	92.7	18	103.55	-0.34	27.64	2.67	1.83	1.98	2.59	1	0.99	-2.63	92.74	153.5	71	1308.67	0.97
13.4	3	4753	76.44	92.63	9.75	104.9	5.19	12.64	2.37	1.68	1.68	2.52	0.97	0.99	3.96	119.2	184	91.12	1332.24	0.97
13.54	3	4720	100	88.68	1.5	104.9	-3.58	12.64	1.98	2.44	2.21	2.29	0.93	0.99	9.45	148.3	183	99.22	1371.9	0.97
13.68	3	4762	100	54.77	-3	106.25	-4.37	13.38	2.52	3.05	2.9	2.75	0.98	0.99	15.66	179.6	182	99.22	1454.03	0.97
13.82	3	4866	100	58.2	3	107.6	-2.98	12.49	3.05	3.81	4.35	3.36	0.94	0.99	17.53	181.5	182	99.22	1501.18	0.97
13.96	3	4889	100	63.17	3	108.95	-2.21	12.64	3.2	2.59	4.12	3.28	0.93	0.99	17.19	177.8	181	99.22	1508.82	0.97
14.1	3	4944	100	62.76	3	108.95	-0.45	12.79	3.13	2.52	3.97	3.36	0.93	0.99	16.35	172.4	181	99.22	1511.03	0.97
14.24	3	4990	100	63.58	3	108.95	-1.62	12.64	3.2	2.29	4.04	3.36	0.94	0.99	16.24	172	180	99.22	1507.74	0.97
14.38	3	5037	100	63.67	0.75	110.3	0.38	12.49	3.05	2.14	3.97	3.51	0.93	0.99	15.96	171.1	179	99.22	1506.01	0.97
14.52	3	5166	100	64.53	1.5	111.65	1.78	12.49	2.98	2.06	4.35	3.81	0.92	0.99	15.8	170.2	178	99.22	1500.06	0.97
14.64	3	5153	100	64.32	0.75	111.65	2.88	12.49	3.05	2.06	4.27	3.74	0.93	0.99	15.91	169.9	178	99.22	1506.15	0.97
14.78	3	5200	100	64.64	0.75	113	1.34	12.35	3.05	1.98	4.2	3.74	0.93	0.99	16.14	170.8	177	99.22	1510.18	0.97
14.9	3	5266	100	65.14	1.5	113	2.6	12.35	3.2	1.91	4.27	3.81	0.93	0.99	16.22	170.4	176	99.22	1510.04	0.97
15.04	3	5328	100	64.77	1.5	114.35	2.55	12.2	3.28	1.91	4.27	3.66	0.93	0.99	16.38	173.2	176	99.22	1516.37	0.97
15.18	3	5362	100	63.89	0.75	115.7	4.29	12.2	3.28	1.91	4.5	3.74	0.92	0.99	16.52	171.8	174	99.22	1528.7	0.97
15.3	3	5416	100	62.97	0.75	115.7	3.83	12.2	3.28	1.98	4.58	3.81	0.92	0.99	16.53	170	174	99.22	1525.79	0.97

15.44	3	5477	100	64.49	1.5	115.7	4.36	12.2	3.51	1.91	2.52	3.81	0.93	0.99	16.19	169.8	173	99.22	1522.18	0.97
15.56	3	5528	100	64.14	2.25	117.05	5.65	12.05	3.59	2.14	2.67	3.81	0.92	0.99	16.1	167.5	172	99.22	1515.1	0.97
15.7	3	5565	100	64.77	2.25	118.4	5.72	12.05	3.59	2.14	2.98	3.97	0.92	0.99	15.99	165.7	172	99.22	1519.93	0.97
15.84	3	5620	100	64.64	2.25	118.4	5.21	12.05	3.66	2.29	2.9	3.97	0.93	0.99	15.96	165.2	171	99.22	1524.57	0.97
15.96	3	5667	100	64.29	2.25	119.75	4.23	12.05	4.2	2.52	2.9	3.97	0.93	0.99	15.82	165	170	99.22	1522.04	0.97
16.1	3	5707	100	64.57	3	119.75	5.96	11.91	4.12	2.59	2.82	3.81	0.92	0.99	15.79	164.6	169	99.22	1528.42	0.97
16.24	3	5763	100	64.62	3	121.1	6.91	11.76	4.12	2.67	2.75	3.89	0.92	0.99	15.69	164.2	168	99.22	1529.68	0.97
16.36	3	5808	100	64.38	3	121.1	4.59	11.91	4.27	2.75	2.75	4.12	0.93	0.99	15.59	163.2	168	99.22	1527.95	0.97
16.5	3	5849	100	65.52	3	122.45	6.93	11.91	4.35	3.05	2.82	4.2	0.93	0.99	15.56	162.5	167	99.22	1520.31	0.97
16.62	3	5887	100	65.26	3	122.45	6.77	11.76	4.27	3.13	2.9	4.27	0.92	0.99	15.5	161.4	166	99.22	1532.35	0.97
16.76	3	5948	100	64.78	3	123.8	6.35	11.91	4.35	3.13	3.05	4.43	0.93	0.99	15.41	161.5	165	99.22	1537.32	0.97
16.88	3	5966	100	64.94	3	123.8	6.8	11.76	4.5	3.05	2.9	4.58	0.92	0.99	15.36	160	165	99.22	1523.03	0.97
17.02	3	6020	100	65.79	4.5	125.15	6.42	11.76	4.58	2.98	2.82	4.43	0.93	0.99	15.31	158.9	164	99.21	1508.12	0.97
17.14	3	6066	100	66.68	4.5	125.15	8.16	11.76	4.65	3.05	2.9	4.43	0.93	0.99	15.18	158.3	164	99.22	1507.51	0.97
17.28	3	6125	100	65.93	4.5	126.5	7.63	11.76	4.5	3.05	2.82	4.35	0.93	0.99	15.4	157.6	162	99.22	1521.38	0.97
17.42	3	6133	100	66.25	4.5	126.5	7.74	11.76	4.5	2.98	2.67	4.35	0.94	0.99	15.41	157.5	161	99.22	1510.37	0.97
17.54	3	6184	100	66.24	4.5	127.85	7.88	11.61	4.27	3.05	2.59	4.2	0.94	0.99	15.5	158.2	161	99.22	1506.99	0.97
17.68	3	6226	100	65.23	4.5	127.85	9.08	11.61	4.12	3.05	2.59	4.04	0.93	0.99	15.55	156.5	159	99.22	1519.23	0.97
17.82	3	6265	100	65.43	4.5	129.2	8.51	11.76	4.04	2.98	2.52	3.89	0.93	0.99	15.39	157.6	155.9	99.22	1526.92	0.97
17.96	3	6302	100	64.07	4.5	129.2	9.39	11.61	4.12	2.9	2.44	3.81	0.93	0.99	15.24	155.6	151.9	99.22	1529.54	0.97
18.1	3	6346	100	63.03	5.25	130.55	10.09	11.61	3.97	2.98	2.52	3.74	0.94	0.99	15.24	153.6	150	99.22	1533.85	0.97
18.24	3	6388	99.2	62.61	5.25	130.55	10.73	11.47	3.89	2.98	2.59	3.74	0.94	0.99	15.06	151.7	149.6	69.79	1532.45	0.7
18.36	3	6404	7.37	51.52	-3.75	131.9	10.22	11.61	3.74	2.82	2.52	3.74	0.95	0.99	15.16	151.7	149.6	69.79	1532.45	0.7
18.5	3	6602	0	40.72	5.25	131.9	4.31	10.88	3.05	1.91	1.91	3.05	0.85	0.99	-7.63	17.65	17.74	0	1430.49	0.56
18.62	3	6523	0	92.73	6	133.25	3.52	11.32	2.75	3.13	1.6	2.67	1	0.99	-9.59	16.83	17.79	0	1405.84	0
18.76	3	6315	0	92.74	5.25	133.25	3.85	33.22	2.67	2.98	2.75	2.67	1	0.99	-9.52	16.15	17.67	0	1369.65	0
18.9	3	6091	0.16	92.69	4.5	134.6	3.45	99.67	2.98	3.13	3.05	2.67	1	0.99	-9.75	26.88	51.16	22.87	1364.4	0.98
19.04	3	5969	31.89	92.73	19.5	134.6	1.02	24.55	2.82	3.59	3.66	3.28	1	0.99	-3.87	90.4	121.4	55.93	1386.01	0.96
19.18	4	4840	60.74	57.08	9	134.6	3.04	12.49	2.29	2.82	3.05	2.82	0.97	0.99	3.69	114.4	181	82.74	1386.43	0.96
19.32	4	4921	88.94	92.7	3.75	134.6	-0.98	12.2	2.14	2.44	2.59	2.29	0.93	0.99	8.7	139	181	98.71	1423.51	0.96
19.46	4	4957	100	58.81	-3.75	135.95	-3.12	12.94	2.06	2.75	2.59	2.9	0.97	0.99	14.51	178.2	181	99.22	1505.35	0.96
19.6	4	4988	100	63.96	-6.75	135.95	0.05	12.35	2.37	2.98	3.13	2.9	0.93	0.99	18.89	192.3	181	99.22	1586.92	0.96
19.74	4	5044	100	59.24	0.75	135.95	-0.04	12.2	2.52	3.36	3.36	3.05	0.91	0.99	19.55	187.8	180	99.22	1585.79	0.96
19.88	4	5050	100	64.94	0.75	137.3	0.02	12.35	2.75	3.59	3.43	3.2	0.91	0.99	18.8	184.9	180	99.22	1595.4	0.96
20.02	4	5083	100	65.3	0.75	137.3	0.95	12.35	2.9	3.43	3.51	3.28	0.91	0.99	18.24	182.3	179	99.22	1594.98	0.96
20.16	4	5114	100	65	0.75	137.3	0.36	12.35	2.82	3.51	3.59	3.36	0.91	0.99	17.89	179.2	179	99.22	1586.92	0.96
20.3	4	5152	100	65.76	0.75	137.3	1.3	12.35	2.82	3.51	3.74	3.36	0.92	0.99	17.65	177.6	179	99.22	1586.45	0.96
20.44	4	5181	100	65.54	0.75	137.3	1.74	12.2	2.9	3.59	3.81	3.36	0.92	0.99	17.64	176.6	178	99.22	1585.56	0.96
20.58	4	5209	100	65.52	0.75	137.3	1.8	12.2	3.05	3.36	3.89	3.36	0.92	0.99	17.35	175.9	177	99.22	1598.07	0.96
20.72	4	5237	100	65.61	0.75	137.3	2.47	12.2	3.2	3.28	3.74	3.36	0.92	0.99	17.3	176	177	99.22	1598.31	0.96
20.86	4	5272	100	65.73	0.75	137.3	2.86	12.2	3.28	3.2	3.89	3.36	0.92	0.99	17.21	175.1	177	99.22	1602.48	0.96
21	4	5292	100	65.96	0.75	137.3	2.82	12.05	3.51	3.28	3.81	3.28	0.93	0.99	17.35	176.4	176	99.22	1601.63	0.96
21.14	4	5320	100	65.18	-2.25	137.3	1.48	11.91	3.51	3.2	4.04	3.28	0.91	0.99	17.26	174.4	176	99.22	1609.79	0.96
21.28	4	5343	100	65.54	-2.25	137.3	3.83	12.05	3.59	3.36	4.04	3.36	0.92	0.99	17.44	176.5	175	99.22	1612.6	0.96
21.42	4	5374	100	64.49	-2.25	137.3	3.94	11.76	3.59	3.28	4.27	3.36	0.91	0.99	17.48	173.2	175	99.22	1611.24	0.96
21.56	4	5397	100	65.7	-2.25	137.3	4.45	11.91	3.59	3.28	4.2	3.36	0.92	0.99	17.18	173.4	174	99.22	1607.87	0.96
21.7	4	5419	100	65.13	-2.25	138.65	2.71	11.47	3.36	3.2	4.35	3.36	0.92	0.99	16.92	171.6	174	99.22	1601.59	0.96
21.84	4	5451	100	65.72	-2.25	138.65	4.38	11.61	3.36	3.36	4.35	3.43	0.92	0.99	16.98	170.2	174	99.22	1595.68	0.96
21.98	4	5471	100	66.37	-2.25	138.65	4.93	11.47	3.43	3.51	4.27	3.43	0.93	0.99	16.73	171.6	173	99.22	1590.85	0.96
22.12	4	5509	100	65.79	-1.5	138.65	5.19	11.32	3.43	3.97	4.27	3.43	0.92	0.99	16.78	170.3	173	99.22	1586.59	0.96
22.26	4	5534	100	66.46	-1.5	138.65	5.43	11.17	3.36	4.12	4.35	3.59	0.92	0.99	16.89	170.4	172	99.22	1575.95	0.96
22.4	4	5560	100	66.46	-0.75	138.65	5.28	11.02	3.36	4.2	4.5	3.36	0.92	0.99	16.83	169.8	172	99.22	1561.18	0.96
22.54	4	5580	100	66.74	-1.5	138.65	6.09	10.88	3.36	4.2	2.29	3.36	0.92	0.99	16.8	169.4	172	99.22	1560.71	0.96
22.68	4	5612	100	66.61	-0.75	138.65	5.32	10.88	3.43	4.58	2.44	3.43	0.93	0.99	16.71	169	171	99.22	1556.12	0.96
22.82	4	5629	100	66.83	-1.5	138.65	6.51	10.88	3.36	2.37	2.52	3.59	0.92	0.99	16.84	169.9	170	99.22	1551.48	0.96
22.96	4	5657	100	66.46	-0.75	138.65	5.89	10.73	3.59	2.37	2.59	3.74	0.92	0.99	16.76	168.7	170	99.22	1547.12	0.96
23.1	4	5681	100	67.13	0	140	5.37	10.73	3.74	2.37	2.67	3.81	0.93	0.99	16.78	169.1	170	99.22	1534.65	0.96

23.24	4	5712	100	67.28	0	140	4.12	10.58	3.81	2.44	2.75	3.81	0.93	0.99	16.79	169.4	169	99.22	1524.81	0.96
23.38	4	5737	100	66.62	0	140	6.29	11.32	3.97	2.44	2.75	3.89	0.92	0.99	16.78	169.6	168	99.22	1585.18	0.96
23.5	4	5767	100	65.72	0	140	5.83	11.47	4.04	2.52	2.75	3.97	0.92	0.99	16.97	169.7	168	99.22	1595.49	0.96
23.64	4	5790	100	65.17	0	140	6.35	11.47	4.04	2.59	2.82	4.04	0.91	0.99	16.76	168.7	168	99.22	1595.21	0.96
23.78	4	5816	100	66.08	0	140	4.8	11.47	4.2	2.67	2.9	4.12	0.92	0.99	16.53	166.1	168	99.22	1595.73	0.96
23.9	4	5837	100	66.19	0	140	6.75	11.61	4.2	2.9	2.9	4.12	0.91	0.99	16.35	165.8	167	99.22	1588.37	0.96
24.04	4	5861	100	66.71	-0.75	141.35	4.48	11.61	4.12	3.05	2.98	4.27	0.92	0.99	16.32	166	167	99.22	1592.03	0.96
24.16	4	5887	100	65.87	-0.75	141.35	7.28	11.76	4.2	2.98	3.05	4.2	0.93	0.99	16.36	166.5	166	99.22	1600.23	0.96
24.3	4	5906	100	65.55	-0.75	141.35	8.02	11.47	4.12	2.9	3.2	4.2	0.91	0.99	16.31	165.2	166	99.22	1601.26	0.96
24.42	4	5921	100	66.06	-0.75	141.35	6.88	11.76	4.12	2.82	3.36	4.58	0.92	0.99	16.25	165.2	166	99.22	1599.67	0.96
24.56	4	5947	100	66.32	-1.5	141.35	6.8	11.61	4.35	2.9	3.28	4.5	0.92	0.99	16.19	164.8	166	99.22	1603.56	0.96
24.7	4	5963	100	66.16	-1.5	141.35	6.82	11.47	4.2	2.98	3.28	4.58	0.92	0.99	16.12	164.8	165	99.22	1607.4	0.96
24.82	4	5988	100	65.97	-1.5	141.35	5.77	11.47	4.5	2.98	3.2	4.58	0.92	0.99	16.17	165.4	165	99.22	1614.06	0.96
24.96	4	6006	100	65.71	0	142.7	7.02	11.47	4.43	2.9	3.13	2.29	0.92	0.99	16.1	162.2	164	99.22	1602.34	0.96
25.1	4	6018	100	66.39	0	142.7	6.16	11.61	4.43	2.9	2.9	2.37	0.93	0.99	16.06	162.1	164	99.22	1597.28	0.96
25.22	4	6038	100	66.52	0	142.7	8.35	11.47	4.5	2.82	2.75	2.29	0.92	0.99	16.01	162.9	164	99.22	1597.37	0.96
25.36	4	6061	100	66.41	0	142.7	7.23	11.61	4.43	2.75	2.75	2.29	0.93	0.99	16.07	162.5	164	99.22	1589.31	0.96
25.48	4	6077	100	66.62	0	142.7	7.5	11.47	4.27	2.75	2.67	2.21	0.94	0.99	16.29	161.6	163	99.22	1583.26	0.96
25.62	4	6102	100	66.69	0	142.7	7.28	11.32	4.27	2.82	2.75	2.21	0.93	0.99	16.12	164.1	163	99.22	1581.95	0.96
25.74	4	6117	100	66.28	0	142.7	8.11	11.17	4.27	2.75	2.75	2.14	0.93	0.99	16.06	161.4	162	99.22	1583.12	0.96
25.88	4	6136	100	66.21	0	142.7	7.7	11.02	4.2	2.67	2.82	2.21	0.93	0.99	16.17	163.5	162	99.22	1568.68	0.96
26.02	4	6152	100	66.33	0	142.7	8.62	10.88	4.04	2.52	2.75	2.21	0.92	0.99	16.23	161.5	162	99.22	1565.31	0.96
26.16	4	6172	100	65.74	0	142.7	7.04	10.88	3.89	2.52	2.75	2.21	0.93	0.99	16.14	162	160.3	99.22	1563.81	0.96
26.28	4	6184	96.31	66.09	0	144.05	9.15	10.73	3.89	2.52	2.75	2.21	0.93	0.99	16.09	161	109.5	43.36	1549.88	0.46
26.42	4	6188	0	35.58	-3	144.05	7.56	10.88	3.74	2.29	2.29	2.06	0.94	0.99	13.23	46.31	17.67	0	1532.45	0.65
26.54	4	6335	0	92.79	9	144.05	5.08	10.29	2.59	2.75	1.75	3.05	0.83	0.99	-9.52	16.97	17.67	0	1462.37	0
26.68	4	6213	0	92.69	5.25	144.05	3.48	12.05	2.52	2.67	2.75	2.59	1	0.99	-9.48	17.11	17.7	0	1441.51	0
26.82	4	6003	0	92.65	4.5	144.05	3.12	47.48	2.67	2.52	2.9	2.52	1	0.99	-9.65	16.69	17.58	0	1417.28	0
26.96	4	5793	2.72	92.65	4.5	144.05	3.12	133.04	2.59	2.67	2.9	2.52	1	0.99	-9.84	35.7	60.49	30.85	1411.37	1
27.1	4	5608	50.8	41.73	11.25	144.05	0.53	16.76	2.21	3.13	3.05	2.21	1	0.99	-0.39	99.4	163.5	73.3	1420.37	0.95
27.24	5	5132	84.78	92.76	5.25	144.05	2.47	11.91	1.98	2.9	2.75	2.14	0.95	0.99	5.41	123.4	179	99.22	1434.9	0.95
27.38	5	5121	100	88.6	-2.25	144.05	2.38	12.49	2.21	2.44	2.37	2.29	0.95	0.99	11.77	164.2	179	99.22	1507.98	0.95
27.52	5	5130	100	63.64	-7.5	144.05	2.31	12.35	2.59	2.75	2.75	2.67	0.94	0.99	18.09	186.5	179	99.22	1589.31	0.95
27.66	5	5155	100	63.44	-0.75	144.05	1.59	12.2	2.52	3.28	3.05	2.82	0.91	0.99	19.01	188.2	178	99.22	1629.81	0.95
27.8	5	5168	100	64.34	0	144.05	1.98	12.2	2.44	3.36	3.2	2.98	0.91	0.99	18.86	186.2	178	99.22	1644.76	0.95
27.94	5	5187	100	65.05	0	144.05	2.42	12.35	2.44	3.51	3.43	2.98	0.91	0.99	18.59	183.4	178	99.22	1644.2	0.95
28.08	5	5207	100	65.21	0	144.05	0.84	12.35	2.44	3.51	3.51	2.9	0.92	0.99	18.19	181.8	177	99.22	1643.82	0.95
28.22	5	5227	100	65.52	0	142.7	0.71	12.2	2.52	3.51	3.89	2.98	0.92	0.99	18.16	179.1	177	99.22	1644.29	0.95
28.36	5	5240	100	65.87	0	142.7	0.95	12.05	2.52	3.66	3.89	3.05	0.92	0.99	17.57	176.8	177	99.22	1635.1	0.95
28.5	5	5254	100	66.13	0.75	142.7	3.1	12.2	2.67	3.66	3.89	3.05	0.92	0.99	17.43	176.6	177	99.22	1636.79	0.95
28.64	5	5262	100	66.08	-2.25	142.7	3.17	12.05	2.67	3.51	3.81	3.13	0.92	0.99	17.38	176.5	177	99.22	1647.01	0.95
28.78	5	5274	100	65.98	-2.25	142.7	2.34	12.05	2.67	3.43	3.89	3.13	0.92	0.99	17.83	177.1	176	99.22	1649.26	0.95
28.92	5	5288	100	65.41	-2.25	142.7	2.27	11.91	2.67	3.51	3.81	3.13	0.92	0.99	17.62	176.8	176	99.22	1649.87	0.95
29.06	5	5312	100	65.19	-2.25	142.7	3.3	11.91	2.9	3.43	3.89	3.13	0.92	0.99	17.46	174.7	176	99.22	1649.92	0.95
29.2	5	5323	100	65.8	-2.25	142.7	1.63	12.05	3.05	3.51	3.89	3.28	0.92	0.99	17.58	174.4	176	99.22	1643.59	0.95
29.34	5	5342	100	66.1	-2.25	142.7	3.91	11.91	2.98	3.43	3.81	3.28	0.92	0.99	17.27	175.3	176	99.22	1640.78	0.95
29.48	5	5357	100	66.07	-2.25	142.7	3.63	11.91	3.13	3.28	4.04	3.2	0.92	0.99	17.61	175.9	176	99.22	1642.04	0.95
29.6	5	5364	100	65.45	-2.25	141.35	4.29	11.61	3.2	3.36	4.12	3.28	0.91	0.99	17.35	174.3	175	99.22	1640.68	0.95
29.74	5	5373	100	65.62	-2.25	141.35	2.27	11.61	3.2	3.36	4.12	3.2	0.92	0.99	17.56	175.1	175	99.22	1634.96	0.95
29.88	5	5394	100	65.86	-2.25	141.35	2.99	11.32	3.28	3.59	4.2	3.2	0.92	0.99	17.45	174.3	175	99.22	1629.53	0.95
30	5	5407	100	65.73	-2.25	141.35	4.71	11.32	3.36	3.81	4.2	3.36	0.92	0.99	17.15	173.7	174	99.22	1623.34	0.95
30.14	5	5419	100	65.82	-2.25	141.35	2.62	11.17	3.28	3.89	4.27	3.43	0.92	0.99	17.38	173.5	174	99.22	1615.65	0.95
30.26	5	5432	100	66.38	-2.25	141.35	3.19	11.17	3.36	3.89	4.04	3.43	0.93	0.99	17.39	174	174	99.22	1615.18	0.95
30.4	5	5446	100	66.15	-1.5	141.35	4.51	11.02	3.36	3.89	4.04	3.43	0.92	0.99	17.41	173.3	174	99.22	1610.49	0.95
30.52	5	5463	100	66.42	-1.5	141.35	4.24	11.17	3.36	3.89	4.04	3.43	0.92	0.99	17.36	173.7	174	99.22	1605.1	0.95
30.66	5	5472	100	66.37	-1.5	141.35	4.8	11.02	3.43	3.97	4.12	3.43	0.92	0.99	17.47	173.7	174	96.35	1603.56	0.95
30.78	5	5475	87.66	66.12	-1.5	141.35	4.38	10.88	3.36	3.89	4.12	3.51	0.92	0.99	17.42	173.9	174	75.53	1597.23	0.77

30.92	5	5488	59.62	66.36	-1.5	141.35	5.02	10.88	3.43	3.97	4.04	3.43	0.93	0.99	17.29	171.7	126.4	50.55	1615.28	0.5
31.04	5	5484	31.41	48.27	-3	141.35	4.01	11.61	3.43	4.04	3.89	3.36	0.91	0.99	15.66	126.3	64.31	26.45	1617.1	0.47
31.18	5	5424	8.17	49.49	-0.75	141.35	0.51	11.61	3.28	3.59	3.74	3.2	0.84	0.99	-3.34	23.2	17.02	4.61	1528.46	0.91
31.32	5	5413	0	92.54	15.75	141.35	2.34	10.88	2.67	2.9	2.98	2.75	0.77	0.99	-10.09	14.81	17.02	0	1491.85	0.62
31.46	5	5439	0	92.56	16.5	141.35	5.67	14.55	2.29	2.52	2.59	2.44	1	0.99	-10.19	16.22	17.25	0	1473.76	0
31.6	5	5419	0	92.58	5.25	141.35	2.84	21.9	2.06	2.21	2.29	2.21	1	0.99	-9.83	16.55	17.23	0	1458.76	0
31.72	5	5398	0	34.43	4.5	141.35	5.26	68.8	1.83	2.14	2.14	2.06	1	0.99	-9.85	16.08	17.23	0	1438.6	0
31.86	5	5385	0	34.4	4.5	141.35	3.19	175.52	1.75	1.98	2.06	1.91	1	0.99	-9.89	16.12	17.23	0	1424.45	0
32	5	5367	0	34.4	5.25	141.35	3.37	235.2	1.68	1.91	1.98	1.83	1	0.99	-9.87	16.29	17.2	0	1402.28	0
32.14	5	5334	0	34.5	4.5	141.35	3.89	235.2	3.05	1.83	1.98	1.75	1	0.99	-9.76	17.11	17.2	0	1379.49	0
32.26	5	5328	0	34.71	4.5	140	5.17	235.2	2.98	1.75	1.98	1.68	1	0.99	-9.68	16.92	17.18	0	1363.04	0
32.4	5	5323	0	34.71	4.5	140	3.8	235.2	2.9	1.68	1.91	1.6	1	0.99	-9.73	17.06	17.18	0	1338.71	0
32.52	5	5287	0	34.73	4.5	140	5.7	235.2	2.98	1.6	1.91	1.53	1	0.99	-9.76	16.97	17.18	0	1315.13	0
32.66	5	5275	0	34.72	4.5	140	4.4	235.2	3.05	1.68	1.83	3.13	1	0.99	-9.72	17.06	17.16	0	1300.18	0
32.78	5	5262	0	34.71	4.5	138.65	4.88	235.2	3.13	1.68	1.91	3.2	1	0.99	-9.68	16.92	17.13	0	1278.38	0
32.92	5	5250	0	34.76	4.5	138.65	3.41	235.2	3.2	1.68	1.83	3.2	1	0.99	-9.73	17.09	17.13	0	1264.65	0
33.04	5	5220	0	34.68	4.5	138.65	5.04	235.2	3.2	1.68	1.91	3.2	1	0.99	-9.68	17.04	17.11	0	1245.1	0
33.18	5	5204	0	34.71	4.5	138.65	4.88	235.2	3.28	1.68	1.91	3.13	1	0.99	-9.73	17.04	17.09	0	1226.82	0
33.32	5	5181	0	34.71	4.5	137.3	3.94	235.2	3.36	1.68	1.98	3.13	1	0.99	-9.75	16.99	17.09	0	1215.29	0
33.46	5	5183	0	34.74	4.5	137.3	3.85	235.2	3.13	1.68	1.91	3.13	1	0.99	-9.78	16.85	17.09	0	1199.03	0
33.6	5	5168	0	34.69	4.5	137.3	4.13	235.2	3.2	1.68	2.06	3.05	1	0.99	-9.79	17.02	17.09	0	1184.21	0
33.74	5	5140	0	34.65	4.5	137.3	3.72	235.2	3.13	1.75	2.14	3.05	1	0.99	-9.75	16.92	17.09	0	1170.53	0
33.88	5	5126	0	34.64	4.5	135.95	3.52	235.2	3.2	1.68	2.14	3.05	1	0.99	-9.82	16.83	17.06	0	1158.24	0
34.02	5	5109	0	34.58	4.5	135.95	4.13	235.2	3.2	1.75	2.21	3.13	1	0.99	-9.84	16.88	17.04	0	1150.79	0
34.16	5	5090	0	34.62	4.5	135.95	4.24	235.2	3.2	1.83	2.29	3.05	1	0.99	-9.86	16.92	17.04	0	1139.78	0
34.3	5	5075	0	34.6	4.5	134.6	5.26	235.2	3.2	1.83	2.37	3.05	1	0.99	-9.83	16.9	17.04	0	1130.03	0
34.44	5	5054	0	34.61	4.5	134.6	5.72	235.2	3.36	1.91	2.44	3.05	1	0.99	-9.85	16.99	17.02	0	1121.59	0
34.58	5	5041	0	34.56	4.5	134.6	4.53	235.2	3.36	1.83	2.52	3.13	1	0.99	-9.84	16.88	16.99	0	1113.38	0
34.72	5	5020	0	34.56	4.5	133.25	4.51	235.2	3.43	1.83	2.44	2.98	1	0.99	-9.83	16.8	16.99	0	1108.32	0
34.86	5	5026	0	34.58	4.5	133.25	5.28	235.2	3.43	1.83	2.37	2.98	1	0.99	-9.87	16.95	16.99	0	1101.24	0
35	5	4976	0	34.63	3.75	131.9	5.63	235.2	3.43	1.75	2.37	2.82	1	0.99	-9.83	16.83	16.97	0	1095.15	0
35.14	5	4966	0	34.63	3.75	131.9	4.12	235.2	3.59	1.75	2.44	2.75	1	0.99	-9.88	17.02	16.97	0	1089.15	0
35.28	5	4957	0	34.71	3.75	131.9	5.96	235.2	3.36	1.75	2.44	2.75	1	0.99	-9.85	16.76	16.95	0	1084.23	0
35.42	5	4941	0	34.68	3.75	130.55	4.69	235.2	3.2	1.75	2.29	2.67	1	0.99	-9.87	16.66	16.95	0	1081.28	0
35.56	5	4916	0	34.78	3.75	130.55	5.34	235.2	3.2	1.68	2.29	2.67	1	0.99	-9.9	16.88	16.92	0	1076.92	0
35.7	5	4914	0	34.81	3.75	130.55	4.34	235.2	3.2	1.68	2.37	2.59	1	0.99	-9.9	16.92	16.92	0	1072.42	0
35.84	5	4907	0	34.82	3.75	129.2	5.77	235.2	3.13	1.68	2.21	2.59	1	0.99	-9.9	16.76	16.92	0	1069.09	0
35.98	5	4871	0	34.91	3.75	129.2	4.88	235.2	3.05	1.68	2.21	2.52	1	0.99	-9.87	17.11	16.9	0	1065.62	0
36.12	5	4871	0	34.99	3.75	127.85	6.05	235.2	3.2	1.68	2.29	2.44	1	0.99	-9.92	16.66	16.9	0	1063.04	0
36.26	5	4858	0	34.94	3.75	127.85	5.21	235.2	3.28	1.68	2.29	2.37	1	0.99	-9.95	16.71	16.88	0	1060.88	0
36.4	5	4837	0	34.99	3.75	127.85	5.12	235.2	3.59	1.6	2.21	2.44	1	0.99	-9.91	17.02	16.88	0	1058.26	0
36.54	5	4817	0	35.03	3.75	126.5	4.27	235.2	3.66	1.6	2.29	2.44	1	0.99	-9.91	16.76	16.88	0	1056.15	0
36.68	5	4798	0	34.98	3.75	126.5	5.89	235.2	3.59	1.6	2.29	2.44	1	0.99	-9.96	16.59	16.85	0	1054.18	0
36.82	5	4787	0	35.08	3.75	126.5	6.27	235.2	3.51	1.6	2.29	2.52	1	0.99	-9.95	16.71	16.83	0	1052.12	0
36.96	5	4778	0	35.15	3.75	125.15	4.69	235.2	3.51	1.6	2.29	2.52	1	0.99	-9.94	16.64	16.83	0	1050.95	0
37.1	5	4757	0	35.57	3.75	125.15	5.06	235.2	3.43	1.6	2.29	2.44	1	0.99	-9.93	16.66	16.83	0	1049.35	0
37.24	5	4739	0	36.4	3	123.8	4.38	235.2	3.36	1.68	2.21	2.44	1	0.99	-9.93	16.71	16.8	0	1047.9	0
37.38	5	4726	0	36.74	3	123.8	4.29	235.2	3.13	1.75	2.29	2.59	1	0.99	-9.85	16.99	16.78	0	1046.45	0
37.52	5	4709	0	37.54	3	122.45	4.48	235.2	3.05	1.75	2.21	2.59	1	0.99	-9.85	16.95	16.78	0	1044.76	0
37.66	5	4696	0	37.87	3	122.45	4.86	235.2	2.98	1.83	2.21	2.52	1	0.99	-9.91	16.97	16.78	0	1043.96	0
37.8	5	4681	0	38.54	3	122.45	4.77	235.2	3.05	1.91	2.29	2.52	1	0.99	-9.85	16.69	16.76	0	1043.12	0
37.94	5	4668	0	38.83	3	121.1	4.64	235.2	3.05	1.91	2.21	2.52	1	0.99	-9.9	16.76	16.76	0	1042.37	0
38.08	5	4654	0	39.55	3	121.1	5.67	235.2	3.05	1.83	2.14	2.52	1	0.99	-9.93	16.59	16.73	0	1041.48	0
38.22	5	4651	0	39.59	3	119.75	5.65	235.2	2.98	1.83	2.14	2.52	1	0.99	-9.96	16.78	16.73	0	1040.63	0
38.36	5	4608	0	41.2	3	119.75	5.85	235.2	2.98	1.83	2.14	2.37	1	0.99	-9.93	16.95	16.69	0	1040.17	0
38.5	5	4597	0	41.61	3	119.75	4.34	235.2	2.98	1.83	1.91	2.37	1	0.99	-9.85	16.73	16.69	0	1039.04	0
38.64	5	4595	0	41.59	3	118.4	4.64	235.2	2.82	1.83	1.91	2.37	1	0.99	-9.9	16.78	16.69	0	1038.62	0

38.78	5	4573	0	42.31	3	118.4	6	235.2	2.82	1.75	1.83	2.29	1	0.99	-9.88	16.62	16.69	0	1037.82	0
38.9	5	4562	0	42.81	3	118.4	6.48	235.2	2.75	1.75	1.83	2.37	1	0.99	-9.93	16.69	16.69	0	1037.73	0
39.04	5	4548	0	43.3	3	117.05	6.35	235.2	2.9	1.68	1.83	2.44	1	0.99	-9.92	16.59	16.66	0	1036.84	0
39.18	5	4527	0	43.8	3	117.05	5.28	235.2	2.9	1.75	1.83	2.44	1	0.99	-9.9	16.57	16.64	0	1036.6	0
39.32	5	4514	0	44.38	2.25	117.05	6.29	235.2	2.82	1.75	1.83	2.44	1	0.99	-9.99	16.41	16.64	0	1036.32	0
39.44	5	4507	0	44.55	2.25	115.7	4.23	235.2	2.75	1.68	1.91	2.44	1	0.99	-9.86	16.57	16.64	0	1035.85	0
39.58	5	4492	0	45.18	2.25	115.7	5.1	235.2	2.75	1.68	1.91	2.52	1	0.99	-9.91	16.59	16.62	0	1035.38	0
39.72	5	4475	0	45.69	2.25	115.7	6.34	235.2	2.75	1.53	1.83	2.44	1	0.99	-9.97	16.55	16.62	0	1034.82	0
39.86	5	4462	0	46.06	2.25	115.7	5.02	235.2	2.67	3.05	1.83	2.52	1	0.99	-9.93	16.57	16.59	0	1034.54	0
39.98	5	4450	0	46.62	2.25	114.35	5.77	235.2	2.59	3.05	1.83	2.52	1	0.99	-9.9	16.69	16.59	0	1034.03	0
40.12	5	4432	0	47.36	2.25	114.35	5.21	235.2	2.52	3.05	1.83	2.52	1	0.99	-9.9	16.64	16.59	0	1033.7	0
40.26	5	4422	0	47.7	2.25	114.35	6.47	235.2	2.52	3.05	1.83	2.52	1	0.99	-9.99	16.48	16.57	0	1033.65	0
40.4	5	4398	0	48.38	2.25	113	4.53	235.2	2.52	2.98	1.75	2.52	1	0.99	-9.87	16.45	16.55	0	1033.28	0
40.54	5	4363	0	49.59	2.25	113	4.55	235.2	2.52	2.9	1.75	2.52	1	0.99	-9.93	16.43	16.55	0	1032.99	0
40.68	5	4339	0	50.27	2.25	113	5.28	235.2	2.52	2.9	1.75	2.52	1	0.99	-9.94	16.5	16.52	0	1032.81	0
40.82	5	4307	0	51.15	2.25	111.65	5.17	235.2	2.37	2.9	1.75	2.44	1	0.99	-9.96	16.38	16.48	0	1032.76	0
40.96	5	4258	0	52.68	2.25	111.65	5.98	235.2	2.37	2.75	1.68	2.37	1	0.99	-9.97	16.43	16.48	0	1032.71	0
41.08	5	4226	0	53.85	2.25	111.65	5.48	235.2	2.37	2.75	1.68	2.29	1	0.99	-9.94	16.31	16.45	0	1032.57	0
41.22	5	4207	0	54.3	2.25	110.3	6.23	235.2	2.37	2.59	1.6	2.29	1	0.99	-10.01	16.36	16.43	0	1032.43	0
41.34	5	4167	0	55.64	2.25	110.3	5.56	235.2	2.29	2.52	1.6	2.21	1	0.99	-9.95	16.45	16.43	0	1032.2	0
41.48	5	4129	0	56.93	1.5	110.3	6.84	235.2	2.29	2.44	1.6	2.14	1	0.99	-10.01	16.41	16.38	0	1031.96	0
41.62	5	4081	0	59.34	2.25	110.3	5.74	235.2	2.21	2.37	1.6	2.06	1	0.99	-10.01	16.31	16.34	0	1032.29	0
41.74	5	4038	0	61.52	2.25	108.95	4.55	235.2	2.14	2.29	1.53	2.06	1	0.99	-10.08	16.36	16.34	0	1032.1	0
41.88	5	4007	0	62.91	2.25	108.95	5.91	235.2	2.29	2.29	3.13	2.06	1	0.99	-10.05	16.27	16.29	0	1032.06	0
42	5	3971	0	64.19	1.5	108.95	7.1	235.2	2.21	2.21	3.13	1.98	1	0.99	-10.1	16.12	16.24	0	1032.24	0
42.14	5	3925	0	65.01	1.5	108.95	5.15	235.2	2.21	2.21	3.05	1.98	1	0.99	-10.12	16.31	16.24	0	1032.29	0
42.28	5	3870	0	65.66	1.5	107.6	4.62	235.2	2.21	2.21	2.98	1.98	1	0.99	-10.08	16.22	16.17	0	1032.38	0
42.42	5	3818	0	66.25	1.5	107.6	5.5	235.2	2.21	2.14	2.9	1.98	1	0.99	-10.16	16.15	16.1	0	1032.34	0
42.56	5	3755	0	67.11	1.5	107.6	4.95	235.2	2.14	2.14	2.9	1.98	1	0.99	-10.17	16.01	16.1	0	1032.81	0
42.7	5	3691	0	67.95	1.5	107.6	5.39	235.2	2.06	2.06	2.82	1.98	1	0.99	-10.18	16.1	16.03	0	1032.85	0
42.84	5	3632	0	68.88	1.5	106.25	6.84	235.2	2.06	2.06	2.75	1.91	1	0.99	-10.19	16.15	15.94	0	1033.04	0
42.96	5	3555	0	70.38	1.5	106.25	5.26	235.2	2.06	2.06	2.67	1.91	1	0.99	-10.2	15.7	15.94	0	1033.46	0
43.1	5	3534	0	71.3	1.5	106.25	7.19	235.2	2.14	2.14	2.59	1.91	1	0.99	-10.27	15.84	15.89	0	1033.65	0
43.22	5	3475	0	72.7	0.75	106.25	5.96	235.2	2.14	2.14	2.52	1.91	1	0.99	-10.23	15.7	15.77	0	1033.98	0
43.36	5	3407	0	74.24	0.75	106.25	6.24	235.2	2.14	2.14	2.44	1.91	1	0.99	-10.31	15.45	15.77	0	1034.4	0
43.52	5	3324	0	76.12	1.5	104.9	6.29	235.2	2.14	2.06	2.44	1.83	1	0.99	-10.34	15.59	15.68	0	1034.59	0
43.66	5	3273	0	77.25	0.75	104.9	5.74	235.2	2.21	1.98	2.21	1.75	1	0.99	-10.31	15.7	15.59	0	1034.78	0
43.8	5	3207	0	78.74	0.75	104.9	5.45	235.2	2.14	1.91	2.14	1.68	1	0.99	-10.32	15.61	15.52	0	1034.96	0
43.92	5	3136	0	80.18	0.75	104.9	6.35	235.2	2.06	1.75	1.98	1.68	1	0.99	-10.3	15.28	15.52	0	1035.1	0
44.06	5	3101	0	80.96	1.5	104.9	6.29	235.2	1.98	1.68	1.83	1.68	1	0.99	-10.36	15.45	15.45	0	1035.9	0
44.18	5	3018	0	82.06	1.5	104.9	6.34	235.2	1.98	1.6	1.83	1.6	1	0.99	-10.32	15.42	15.33	0	1036.32	0
44.32	5	2979	0	82.89	0.75	103.55	6.05	235.2	1.91	3.05	1.68	1.6	1	0.99	-10.33	15.26	15.33	0	1036.51	0
44.44	5	2948	0	83.37	0.75	103.55	7.37	235.2	1.91	3.05	1.6	1.53	1	0.99	-10.36	15.26	15.28	0	1037.26	0
44.58	5	2851	0	83.96	0.75	103.55	7.23	235.2	1.91	2.98	1.6	1.6	1	0.99	-10.33	15.3	15.28	0	1037.49	0
44.72	5	2824	0	84.57	0	103.55	6.23	235.2	1.83	3.05	1.6	1.53	1	0.99	-10.36	14.79	15.16	0	1038.34	0
44.84	5	2764	0	85.03	0	103.55	6.88	235.05	1.83	3.28	1.68	2.98	1	0.99	-10.43	15	15.09	0	1039.09	0
44.98	5	2709	0	85.67	0	103.55	6.66	235.05	1.83	3.59	1.83	2.98	1	0.99	-10.39	15.14	15.09	0	1038.76	0
45.1	5	2642	0	86.04	-0.75	102.2	6.23	235.05	1.75	3.66	2.06	3.13	1	0.99	-10.35	15.09	14.98	0	1039.04	0
45.24	5	2583	0	86.66	-0.75	102.2	8.24	235.05	1.68	3.74	2.14	3.2	1	0.99	-10.42	15.12	14.88	0	1039.65	0
45.38	5	2531	0	87.24	-0.75	102.2	6.97	235.05	1.68	3.74	2.29	3.2	1	0.99	-10.45	14.79	14.88	0	1040.35	0
45.5	5	2478	0	87.45	-0.75	102.2	7.26	235.05	1.68	3.66	2.29	3.2	1	0.99	-10.48	14.81	14.81	0	1040.54	0
45.64	5	2436	0	87.45	-0.75	102.2	7.83	235.05	1.6	3.51	2.21	3.2	1	0.99	-10.47	14.79	14.74	0	1040.59	0
45.78	5	2394	0	87.46	-0.75	102.2	8.4	235.05	1.6	3.43	2.21	3.28	1	0.99	-10.54	14.6	14.74	0	1041.38	0
45.92	5	2337	0	87.48	-0.75	102.2	7.43	235.05	1.6	3.28	2.14	3.2	1	0.99	-10.57	14.62	14.7	0	1041.38	0
46.04	5	2296	0	87.46	-0.75	100.85	7.67	235.05	1.6	3.2	2.14	3.2	1	0.99	-10.6	14.48	14.62	0	1042.23	0
46.18	5	2241	0	87.44	0	100.85	8.64	235.05	1.68	3.05	2.21	3.13	1	0.99	-10.63	14.65	14.62	0	1042.23	0
46.3	5	2191	0	87.45	-0.75	100.85	7.88	235.05	1.68	3.05	2.29	3.13	1	0.99	-10.62	14.7	14.58	0	1042.42	0

46.44	5	2152	0	87.48	-0.75	100.85	7.85	235.05	1.68	2.9	2.29	3.13	1	0.99	-10.61	14.79	14.51	0	1042.7	0
46.56	5	2107	0	87.5	-0.75	100.85	9.34	235.05	1.68	2.82	2.29	3.13	1	0.99	-10.6	14.25	14.51	0	1043.49	0
46.7	5	2059	0	87.49	0	100.85	7.43	235.05	1.75	2.82	2.37	3.05	1	0.99	-10.62	14.39	14.44	0	1043.78	0
46.84	5	2016	0	87.5	0	99.5	8.69	235.05	1.75	2.82	2.44	2.98	1	0.99	-10.59	14.62	14.39	0	1043.68	0
46.96	5	1955	0	87.49	-0.75	99.5	8.53	235.05	1.68	2.82	2.52	3.05	1	0.99	-10.54	14.77	14.39	0	1043.87	0
47.1	5	1911	0	87.49	-0.75	99.5	9.26	235.05	1.68	2.82	2.59	3.13	1	0.99	-10.53	14.84	14.32	0	1044.1	0
47.24	5	1860	0	87.5	-0.75	99.5	9.61	235.05	1.68	2.75	2.67	3.2	1	0.99	-10.54	14.65	14.27	0	1044.48	0
47.36	5	1807	0	87.51	-0.75	99.5	9.59	235.05	1.68	2.75	2.59	3.05	1	0.99	-10.62	14.25	14.27	0	1045.7	0
47.5	5	1759	0	87.54	0.75	99.5	9.63	235.05	1.68	2.67	2.44	2.9	1	0.99	-10.62	14.48	14.2	0	1046.03	0
47.62	5	1703	0	87.48	0	99.5	9.54	235.05	1.68	2.67	2.37	2.75	1	0.99	-10.58	14.67	14.13	0	1046.17	0
47.76	5	1647	0	87.49	0	99.5	9.12	235.05	1.6	2.67	2.21	2.67	1	0.99	-10.58	14.48	14.13	0	1047.06	0
47.88	5	1595	0	87.5	0	99.5	9.05	235.05	1.6	2.52	2.14	2.52	1	0.99	-10.6	14.53	14.04	0	1047.43	0
48.02	5	1541	0	87.5	0.75	99.5	8.95	235.05	1.53	2.44	2.06	2.37	1	0.99	-10.59	14.39	13.97	0	1047.76	0

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