

NANOCOM - TD5 INSTRUMENTS - TD5 ENGINE input file

Engine speed (rpm)	Road speed	Coolant temp. (C)	Turbo pres. (Bar)	Battery volt. (V)	Ambient pres. (kPa)	Air flow (g/s)	Air inlet temp. (C)	Fuel temp. (C)	Cyl. 1	Cyl. 2	Cyl. 3	Cyl. 4	Cyl. 5	Accel. track 1 (V)	Accel. track 2 (V)	Accel. track 3 (V)	Accel. supply (V)	EGR inlet (%)	EGR mod. (%)	Idle speed error	Wastegate mod. (%)
745	0	43.5	0.01	13.97	100.12	47.7	8.3	30.6	1	-4	2	0	1	0.587	4.477	4.671	5.015	0	0	8	0
747	0	43.7	0.01	13.91	100.38	49.7	8.3	30.6	9	4	0	-2	-11	1.018	4.067	4.671	5.01	0	0	-11	0
1125	0	43.7	0.03	13.75	100	81.8	8.3	30.6	-1	-3	4	5	-3	1.61	3.489	4.296	5.01	0	0	329	0
1350	0	43.7	0.1	13.88	99.87	101.6	8.3	30.7	1	-8	2	8	-5	1.572	3.528	4.348	5.01	0	0	520	0
1441	10	43.7	0.13	13.5	99.73	119.5	8.3	30.7	2	-7	-1	6	-1	1.729	3.375	4.133	5.015	0	0	695	0
2013	15	43.7	0.23	13.97	99.87	174	8.3	30.7	-1	-5	0	4	2	1.158	3.926	4.677	5.015	0	0	1250	0
1395	16	43.7	0.09	13.97	99.59	114.4	8.3	30.7	2	-7	-2	4	-4	1.733	3.375	4.13	5.01	0	0	787	0
1758	19	43.7	0.3	14.03	99.59	150.6	8.3	30.7	2	4	2	1	-1	2.279	2.835	3.377	5.01	0	0	753	0
1877	25	43.7	0.44	13.97	99.33	189.6	8.3	30.7	1	-3	0	-1	1	2.543	2.585	3.025	5.015	34.52	0	1089	34.08
2283	31	43.7	0.54	13.97	98.8	237.5	8.5	30.7	1	0	1	-3	-1	2.385	2.739	3.24	5.01	0	0	1449	0
2187	34	43.5	0.21	13.69	100.12	151.6	8.5	31.5	4	-10	-8	1	2	0.587	4.477	4.671	5.015	0	0	990	0
1937	33	43.5	0.24	14	99.47	161.6	8.6	30.8	-1	2	-1	0	1	2.64	2.494	2.892	5.01	0	0	837	0
1783	37	43.5	0.44	13.78	99.59	178.8	8.6	31	-1	-1	0	1	1	2.855	2.279	2.589	5.01	31.1	0	924	30.6
1985	41	43.5	0.56	13.18	98.94	212.5	8.8	31	-1	4	-3	2	0	2.763	2.364	2.711	5.015	38.11	0	1119	37.66
2196	46	43.5	0.69	13.94	98.55	247.5	9.1	31	1	-1	-1	-2	1	2.683	2.448	2.829	5.01	40	0	1311	40
2383	50	43.5	0.73	13.85	98.29	266.1	9.1	31	1	1	1	-2	0	2.687	2.444	2.825	5.01	40	0	1503	40
2291	52	43.7	0.29	13.69	100	162	9.5	31	7	10	6	-11	5	0.587	4.477	4.671	5.015	0	0	1086	0
1917	51	44	0.35	13.94	99.73	165.6	9.6	31	-4	-1	-7	5	-3	3.075	2.069	2.286	5.015	0	0	844	0
1857	54	44	0.5	13.56	99.33	189	9.8	31	1	-3	0	0	0	3.188	1.955	2.13	5.01	31.29	0	943	30.79
1932	56	44	0.58	14.03	99.08	202.6	10	31	1	0	0	0	0	3.065	2.069	2.302	5.01	38.7	0	1023	38.2
2037	59	44.2	0.72	13.97	98.8	229.3	10.3	31	0	1	1	0	0	2.844	2.285	2.599	5.01	40	0	1128	40
2133	62	44.5	0.77	13.88	98.68	246.5	10.5	31	3	-3	-2	0	0	2.828	2.296	2.628	5.01	40	0	1231	40
2231	65	44.7	0.76	13.97	98.55	255.5	10.6	31	-4	4	0	-3	-1	2.78	2.346	2.683	5.015	40	0	1323	40
2319	68	45	0.79	13.81	98.29	265.3	11	31.1	0	0	-1	-3	1	3.032	2.096	2.341	5.015	39.84	0	1407	39.29
2371	69	46.5	0.47	13.97	99.59	191.1	11.3	31.1	-1	1	-1	-2	1	0.587	4.477	4.671	5.015	0	0	1284	0
1543	68	45.4	0.16	13.72	99.59	148.5	11.6	31.1	-2	-2	-2	2	-1	2.03	3.079	3.724	5.01	0	0	1034	0
1798	68	45.5	0.44	13.97	99.47	174.8	11.8	31.1	1	-4	-2	2	3	3.118	2.023	2.237	5.01	0	0	872	0
1837	69	45.5	0.53	13.91	99.47	186.3	12	31.1	1	-1	-1	1	1	2.806	2.319	2.653	5.01	0	0	908	0
1868	71	45.7	0.61	14.07	99.08	197	12.1	31.1	2	-2	-3	2	1	2.806	2.319	2.653	5.01	0	0	935	0
1901	72	46	0.67	13.56	99.47	205.6	12.3	31.1	2	2	-1	-2	-1	2.742	2.381	2.737	5.026	35.79	0	976	35.29
1935	73	46.2	0.66	13.15	99.08	208	12.5	30.8	1	1	-2	0	0	2.618	2.512	2.908	5.015	37.29	0	1009	37.29
1964	74	46.5	0.63	13.97	99.2	203.8	12.6	31.2	1	-1	-1	-1	2	2.591	2.539	2.956	5.015	38.4	0	1045	38.4
1987	75	46.9	0.57	13.21	99.08	199.3	12.8	31.2	1	1	-2	-1	1	2.391	2.727	3.21	5.01	31.89	0	1059	32.4
2005	76	47	0.52	14	99.2	196.8	13	31.2	1	1	-1	-1	0	2.391	2.733	3.22	5.015	26.5	0	1072	26.7
2020	76	47.2	0.52	13.4	99.33	196.8	13.1	31.2	1	-2	-2	-1	4	2.381	2.721	3.224	5.015	25.4	0	1075	25.51
2022	77	47.7	0.52	14.03	99.47	197.3	13.1	32	2	0	-1	1	0	2.381	2.739	3.224	5.015	24.59	0	1085	24.59
2033	77	47.9	0.52	13.94	99.33	197.3	13.3	31.3	4	-3	-1	-1	-1	2.381	2.739	3.234	5.01	23.85	0	1092	23.94
2039	77	48	0.53	14.03	99.2	199.1	13.5	31.2	1	-3	-3	0	-2	2.381	2.739	3.23	5.01	21.97	0	1102	22.34
2040	77	48.2	0.53	13.21	99.33	200.3	13.6	31.2	4	-4	0	-1	1	2.375	2.739	3.23	5.015	20.76	0	1102	20.85
2021	77	48.2	0.53	13.18	99.33	196.8	13.8	31.2	2	0	0	-2	3	2.381	2.744	3.234	5.01	17.56	0	1082	17.94
2021	77	48.9	0.52	13.97	99.33	195.3	13.8	31.5	3	-3	1	1	2	2.369	2.744	3.24	5.01	16	0	1076	16
2013	76	49	0.51	13.97	99.47	197.3	13.8	31.5	1	-3	5	-1	4	2.369	2.739	3.23	5.01	16	0	1070	16
2009	77	49	0.49	13.94	99.2	193.8	14	31.5	1	0	-2	0	1	2.295	2.823	3.346	5.015	0	0	1078	0
2005	76	49.2	0.47	13.91	99.47	191.1	14	31.5	1	-1	-2	-1	3	2.24	2.875	3.415	5.015	0	0	1074	0
2015	76	49.5	0.45	13.59	99.47	187.1	14.1	31.6	-2	-2	0	1	6	2.203	2.914	3.474	5.01	0	0	1076	0
2018	77	49.7	0.44	13.27	99.2	190.1	14.1	31.6	4	-2	-3	-2	3	2.191	2.931	3.499	5.015	0	0	1083	0
2033	77	49.7	0.45	14	99.2	188.6	14.1	31.6	2	0	-3	0	1	2.176	2.943	3.519	5.01	0	0	1091	0
2028	77	50	0.45	14	99.33	188.1	14.1	31.6	0	-2	-1	2	1	2.176	2.943	3.519	5.015	0	0	1094	0
2035	78	50.4	0.45	13.72	99.33	190.3	14.1	31.6	3	2	0	0	0	2.181	2.937	3.513	5.01	0	0	1096	0
2039	78	50.7	0.45	13.97	99.33	188.1	14.3	31.6	1	2	-3	1	1	2.181	2.943	3.513	5.01	0	0	1094	0
2042	77	50.7	0.45	13.97	99.33	191.8	14.1	31.6	3	-2	0	6	1	2.176	2.943	3.509	5.01	0	0	1107	0
2052	78	51	0.45	14.03	99.33	191.8	14.1	31.2	2	-3	0	2	1	2.187	2.931	3.499	5.01	0	0	1104	0
2051	77	51.4	0.45	14.03	99.33	193.3	14.3	31.7	6	-5	-1	-1	3	2.191	2.931	3.499	5.01	0	0	1106	0
2041	77	51.5	0.45	14.07	99.33	190.6	14.3	31.7	1	0	-2	-1	1	2.191	2.926	3.499	5.01	0	0	1099	0
2030	77	51.5	0.45	14.03	99.2	188.1	14.3	31.7	1	0	-2	-1	2	2.191	2.931	3.499	5.01	0	0	1085	0
2017	76	51.7	0.44	14.03	99.33	187	14.3	31.7	0	4	-2	0	4	2.187	2.931	3.499	5.01	0	0	1070	0
1999	76	52	0.44	14	99.47	186.8	14.1	31.7	1	1	-1	0	3	2.187	2.931	3.503	5.015	0	0	1058	0
1986	76	52	0.43	13.5	99.33	183.8	14.1	31.7	2	2	-3	0	-1	2.187	2.937	3.503	5.01	0	0	1052	0
1976	75	52.7	0.43	13.81	99.47	183	14.1	31.8	1	-1	-1	0	1	2.187	2.937	3.503	5.015	0	0	1041	0
1972	75	52.7	0.43	14	99.47	184.3	14.1	32	0	-1	-2	1	6	2.181	2.937	3.509	5.015	0	0	1035	0
1980	75	52.7	0.43	14	99.47	184.5	14.1	32	5	-3	-3	2	5	2.187	2.931	3.503	5.01	0	0	1038	0
1982	76	52.9	0.42	14.07	99.2	184.1	14.1	32	-1	-1	0	2	3	2.187	2.937	3.503	5.01	0	0	1043	0
1988	76	53.2	0.44	13.81	99.33	185.3	14.1	32	-6	-1	-3	-2	1	2.197	2.926	3.509	5.01	0	0	1054	0
2003	75	53.5	0.44	13.43	99.47	186.5	14.1	32.2	-1	0	-1	1	3	2.197	2.921	3.489	5.01	0	0	1063	0
2015	76	53.5	0.45	14.03	99.2	187.6	14.1	32.2	-1	1	1	0	4	2.203	2.921	3.479	5.015	0	0	1075	0
2019	77	53.7	0.45	14.03	99.08	187.1	14	32.2	2	-2	-3	0	4	2.191	2.926	3.499	5.01	0	0	1085	0
2022																					

1996	75	55.4	0.41	13.85	99.47	180.1	13.6	32.7	0	-1	-4	3	1	1.998	3.108	3.757	5.015	0	0	1056	0
1994	75	55.5	0.39	13.85	99.47	180	13.8	33	3	3	-4	-2	0	1.998	3.114	3.763	5.015	0	0	1058	0
1995	76	55.5	0.39	14.07	99.33	180.5	13.6	33	-2	1	-2	-1	4	1.993	3.114	3.763	5.01	0	0	1051	0
1989	75	55.5	0.38	14	99.47	179.6	13.6	33	-2	-1	-1	-2	5	1.988	3.118	3.763	5.01	0	0	1049	0
1985	75	55.7	0.39	13.4	99.59	183	13.6	33	3	0	-2	-1	1	1.998	3.114	3.763	5.01	0	0	1052	0
1985	76	55.9	0.38	14.07	99.47	180.5	13.6	33.2	1	1	-2	-1	0	1.998	3.114	3.763	5.01	0	0	1060	0
1994	76	56	0.42	13.97	99.33	184.5	13.6	33.7	-1	2	-2	-1	3	2.171	2.948	3.528	5.01	0	0	1050	0
1993	75	56	0.43	13.75	99.59	184.5	13.5	33.4	-1	1	-2	0	3	2.132	2.977	3.572	5.01	0	0	1054	0
1990	76	56.5	0.43	13.91	99.47	185.3	13.5	33.4	0	0	-1	1	-1	2.16	2.948	3.533	5.015	0	0	1053	0
1983	76	56.5	0.45	13.85	99.33	186.1	13.5	33.4	-1	1	-6	0	3	2.283	2.823	3.352	5.01	0	0	1033	0
1976	75	56.5	0.45	13.37	99.2	183.6	13.5	33.4	-2	1	-1	2	1	2.252	2.864	3.411	5.01	0	0	1023	0
1958	74	56.7	0.46	13.75	99.47	186.1	13.5	33.4	0	1	-3	1	1	2.311	2.806	3.318	5.01	0	0	1006	0
1939	73	56.7	0.47	13.85	99.2	186.8	13.5	33.5	1	2	0	-1	0	2.354	2.766	3.273	5.02	0	0	990	0
1914	73	56.9	0.49	14.03	99.47	185.3	13.5	33.5	0	-2	0	0	-1	2.358	2.762	3.263	5.01	0	0	970	0
1891	72	57	0.49	14	99.47	183.8	13.5	33.5	1	-2	1	0	-2	2.358	2.762	3.26	5.015	0	0	949	0
1869	71	57.2	0.51	14.07	99.33	186.1	13.5	33.7	0	0	0	-2	-1	2.385	2.733	3.23	5.01	0	0	930	0
1873	71	57.2	0.52	14	99.08	186.3	13.5	33.7	0	1	-1	1	1	2.446	2.676	3.147	5.01	0	0	927	0
1863	71	57.2	0.51	14.07	99.2	183.3	13.5	33.9	-1	-1	-1	0	-1	2.279	2.835	3.367	5.01	0	0	923	0
1862	71	57.5	0.45	13.27	99.47	176.3	13.5	33.9	-1	0	1	1	0	2.306	2.812	3.332	5.01	0	0	920	0
1867	71	57.5	0.46	14.07	99.2	177	13.6	33.9	-1	1	1	0	-2	2.358	2.762	3.269	5.015	0	0	926	0
1869	71	57.7	0.43	13.85	99.59	173.1	13.6	33.9	1	-1	0	0	0	2.171	2.948	3.533	5.015	0	0	933	0
1876	71	57.7	0.4	13.94	99.47	171.6	13.6	34	0	0	0	1	1	2.187	2.937	3.509	5.01	0	0	936	0
1865	70	58	0.4	14.07	99.2	171.6	13.6	35	-1	-1	0	1	2	2.262	2.846	3.377	5.015	0	0	931	0
1875	71	58.2	0.46	14	99.47	178.8	13.6	35	3	0	0	-1	-2	2.295	2.818	3.346	5.015	0	0	938	0
1882	71	58.2	0.45	13.81	99.47	177	13.6	34	0	0	0	3	1	2.289	2.823	3.352	5.01	0	0	939	0
1877	71	58.4	0.45	14.03	99.33	177.3	13.6	34	2	-3	2	0	-1	2.273	2.829	3.357	5.01	0	0	934	0
1869	71	58.5	0.45	13.27	99.47	177.3	13.6	34.2	0	-2	-2	2	0	2.295	2.823	3.346	5.01	0	0	923	0
1861	71	58.7	0.48	13.62	99.2	176.1	13.6	34.2	0	0	-2	0	2	2.322	2.796	3.303	5.015	0	0	909	0
1842	70	59	0.45	14	99.47	173.3	13.6	34.2	2	3	1	0	-2	2.299	2.823	3.342	5.01	0	0	896	0
1812	69	59	0.45	14	99.47	173.6	13.6	34.2	-2	0	-1	2	1	2.413	2.716	3.196	5.015	0	0	867	0
1799	68	59	0.48	13.78	99.33	173.3	13.6	34.4	-2	0	0	-1	2	2.446	2.681	3.151	5.015	0	0	857	0
1784	68	59	0.46	14.03	99.33	167.6	13.6	34.4	-3	1	-2	3	1	2.267	2.841	3.377	5.01	0	0	845	0
1772	67	59.2	0.4	14.03	99.59	161.1	13.6	34.5	0	3	-1	1	-3	2.236	2.881	3.431	5.01	0	0	824	0
1757	67	59.4	0.4	13.31	99.2	159.5	13.6	34.5	-1	0	0	2	1	2.283	2.829	3.352	5.015	0	0	818	0
1753	66	59.5	0.44	13.56	99.2	165.5	13.6	34.5	0	3	-2	1	-2	2.354	2.766	3.273	5.01	0	0	814	0
1758	67	59.4	0.45	13.94	99.47	166.5	13.6	34.5	1	0	-3	2	-2	2.354	2.779	3.273	5.01	0	0	815	0
1764	67	59.7	0.42	14.07	99.59	160.3	13.6	34.7	-2	1	-1	0	-2	2.246	2.868	3.421	5.01	0	0	812	0
1760	67	59.7	0.39	13.78	99.2	155.3	13.6	34.7	2	1	-1	2	0	2.23	2.887	3.44	5.015	0	0	821	0
1758	67	60	0.38	13.97	99.47	158.8	13.6	34.7	0	2	-1	2	-2	2.224	2.891	3.45	5.015	0	0	824	0
1767	67	60.2	0.37	14	99.2	155.6	13.6	35	0	-3	-3	2	0	2.164	2.954	3.533	5.01	0	0	824	0
1770	67	60.2	0.35	13.94	99.47	154.8	13.6	34.7	0	0	-2	0	5	2.144	2.971	3.562	5.015	0	0	831	0
1772	67	60.4	0.35	13.15	99.47	155.5	13.6	35	0	0	-1	0	1	2.132	2.983	3.572	5.01	0	0	839	0
1781	68	60.7	0.34	14.03	99.47	156.6	13.5	35	-1	0	-4	1	1	2.042	3.079	3.709	5.01	0	0	844	0
1810	69	60.9	0.34	13.46	99.33	160.6	13.5	35	0	-1	-4	3	2	1.998	3.114	3.763	5.01	0	0	872	0
1826	69	60.9	0.33	14.07	99.33	158.8	13.3	35	-2	1	-3	0	-1	1.911	3.193	3.875	5.01	0	0	883	0
1831	69	61	0.3	14.03	99.33	153.8	13.3	35.2	0	-3	-1	1	4	1.508	3.591	4.433	5.01	0	0	905	0
1828	69	61	0.21	14	99.59	145.1	13.3	35.2	-5	-2	4	3	0	1.088	3.983	4.671	5.01	0	0	955	0
1819	69	61.2	0.16	13.85	99.47	138.6	13.3	35.4	1	-4	1	1	-3	1.12	3.966	4.671	5.01	0	0	942	0
1808	68	61.4	0.15	14.03	99.59	136.8	13.1	35.4	-2	-5	3	2	3	1.153	3.937	4.671	5.01	0	0	933	0
1798	68	61.4	0.14	14.03	99.47	137.1	13.1	35.4	-1	0	-1	3	0	1.115	3.977	4.671	5.015	0	0	930	0
1791	68	61.5	0.13	14.07	99.73	132	13.1	35.5	-1	-4	3	0	1	1.011	4.072	4.671	5.015	0	0	927	0
1761	67	61.7	0.07	13.97	99.87	126.6	13	35.5	1	3	2	1	1	0.587	4.477	4.671	5.01	0	0	927	0
1725	66	61.7	0.06	13.97	99.87	123.4	12.8	35.5	0	-1	3	-2	0	0.587	4.477	4.671	5.015	0	0	889	0
1689	64	61.7	0.06	13.97	99.87	118.5	12.8	35.5	0	4	1	2	4	0.813	4.267	4.671	5.01	0	0	853	0
1646	63	61.7	0.06	13.97	99.73	114.8	12.8	35.5	4	3	4	-3	-4	0.921	4.152	4.671	5.01	0	0	798	0
1613	61	62	0.07	13.97	100	113.5	12.6	35.7	1	0	2	0	1	0.991	4.09	4.671	5.01	0	0	752	0
1580	60	62	0.07	14	99.73	111.6	12.5	35.7	-3	-5	2	4	-2	1.039	4.045	4.666	5.01	0	0	730	0
1567	59	62.2	0.08	13.94	99.73	111.5	12.3	35.7	-2	-4	0	4	2	1.06	4.021	4.677	5.01	0	0	687	0
1549	59	62	0.09	13.94	99.73	110.5	12.3	35.7	-1	-8	3	5	1	1.158	3.937	4.671	5.015	0	0	661	0
1535	58	62	0.11	14	100	112.1	12.1	35.9	2	-4	0	5	-3	1.286	3.801	4.677	5.01	0	0	625	0
1526	58	62	0.14	13.94	99.87	113.9	12.1	35.9	4	-7	7	0	-4	1.48	3.612	4.486	5.015	0	0	597	0
1536	58	62.2	0.15	13.85	99.87	118	12.1	36	2	-5	0	6	-3	1.713	3.385	4.153	5.01	0	0	598	0
1545	59	62	0.18	14.03	99.87	120	12	36	-1	-3	-1	4	-3	1.584	3.51	4.324	5.01	0	0	607	0
1563	59	62	0.19	14.1	99.87	121.5	12	36	7	-9	5	8	7	1.584	3.51	4.329	5.01	0	0	627	0
1579	60	62	0.2	13.69	99.87	124	11.8	36	1	-6	-1	5	1	1.589	3.51	4.32	5.015	0	0	648	0
1597	61	62	0.19	14	99.73	125.5	11.8	36	2	-4	-1	1	2	1.422	3.67	4.539	5.015	0	0	679	0
1613	61	62	0.17	13.72	99.87	124.8	11.6	36.2	1	-4	-2	4	2	1.399	3.687	4.565	5.015	0	0	705	0
1631	62	62	0.17	13.97	99.87	126.1	11.6	36.4	-2	-2	-6	9	-4	1.562	3.533	4.348	5.01	0	0	720	0
1658	62	62.2	0.2	13.81	99.87	133.1	11.6	36.4	1	-4	3	1	-1	1.514	3.579	4.418	5.015	0	0	727	0
1690																					

1655	63	62.2	0.19	14.07	99.87	131.3	10.8	37.2	2	-3	0	3	-6	1.475	3.618	4.477	5.01	0	0	722	0
1656	63	62.2	0.2	13.97	99.87	130.8	10.8	37.2	-1	-4	3	4	-1	1.475	3.618	4.472	5.01	0	0	717	0
1654	62	62.2	0.2	14.07	99.73	131.3	10.8	37.2	5	-3	2	-1	-3	1.475	3.618	4.477	5.01	0	0	719	0
1659	63	62.2	0.19	14.07	99.73	130.6	10.6	37.5	-1	-8	1	5	-1	1.454	3.641	4.5	5.01	0	0	715	0
1647	62	62.2	0.19	14.07	100	132.6	10.6	37.4	2	-5	2	0	-3	1.46	3.635	4.495	5.01	0	0	719	0
1638	62	62.2	0.19	14.03	99.73	129	10.6	37.9	3	-6	1	6	2	1.442	3.648	4.515	5.01	0	0	702	0
1631	62	61.9	0.21	14.07	99.73	132.6	10.6	37.5	0	-4	1	4	-1	1.567	3.528	4.348	5.015	0	0	683	0
1619	62	62.2	0.22	13.69	100	132.6	10.6	37.5	0	-1	-2	2	1	1.875	3.233	3.928	5.01	0	0	689	0
1626	62	62.2	0.23	14.07	99.73	132.6	10.5	37.5	3	-4	-4	3	-1	1.799	3.306	4.032	5.01	0	0	691	0
1622	61	62.2	0.24	13.88	100	131.6	10.5	37.5	-1	-6	-4	2	1	1.778	3.329	4.071	5.01	0	0	682	0
1626	61	62.2	0.23	14	99.73	130.6	10.5	37.5	1	0	-1	4	-4	1.756	3.346	4.094	5.01	0	0	684	0
1626	62	62.2	0.24	14.03	99.73	131	10.3	37.5	3	-7	1	2	4	1.707	3.398	4.164	5.01	0	0	694	0
1630	61	62.2	0.24	14.07	99.87	132.1	10.3	37.5	1	-3	-2	4	0	1.729	3.375	4.133	5.015	0	0	687	0
1633	62	62.2	0.24	13.4	99.87	132.6	10.3	37.7	1	-5	2	3	-1	1.794	3.312	4.041	5.015	0	0	692	0
1634	62	62.5	0.24	13.88	99.87	134.3	10.3	37.7	1	-3	-3	3	0	1.906	3.198	3.88	5.01	0	0	697	0
1641	62	62.5	0.24	13.85	100	133.8	10.3	37.7	0	-4	-3	7	-5	1.826	3.283	3.997	5.01	0	0	698	0
1637	62	62.5	0.24	14.07	100	133.6	10.3	37.7	-1	-4	1	4	0	1.901	3.204	3.895	5.015	0	0	699	0
1636	62	62.5	0.24	13.75	100	133.3	10.3	37.9	4	-5	0	2	-3	1.794	3.312	4.037	5.01	0	0	689	0
1622	62	62.7	0.24	13.43	99.87	132	10.3	37.9	2	-6	0	3	1	1.911	3.198	3.885	5.01	0	0	678	0
1602	61	62.7	0.25	13.97	99.59	131.3	10.3	37.9	0	-2	-4	1	-4	1.939	3.164	3.841	5.01	0	0	656	0
1578	60	62.7	0.26	13.75	99.87	128.6	10.3	37.9	4	-2	-3	1	2	1.911	3.193	3.88	5.01	0	0	632	0
1564	59	62.9	0.24	14	99.87	125.5	10.3	37.9	2	-4	1	2	-1	1.885	3.204	3.914	5.01	0	0	613	0
1541	58	62.9	0.23	14.13	99.59	121.6	10.3	37.9	-1	-2	-3	3	-1	1.896	3.21	3.905	5.01	0	0	594	0
1523	57	64	0.23	13.88	99.73	120	10.3	38	-2	-5	1	6	1	1.977	3.135	3.792	5.015	0	0	577	0
1504	57	65.8	0.24	13.91	99.73	118.5	10.3	38	0	1	-1	2	-2	1.982	3.131	3.786	5.01	0	0	562	0
1487	57	63.2	0.24	14.03	99.59	116.9	10.3	38	0	-9	3	5	5	1.972	3.141	3.802	5.015	0	0	544	0
1468	55	63.7	0.23	14.13	99.73	117	10.3	38.2	2	2	-1	2	-5	1.928	3.176	3.855	5.01	0	0	535	0
1463	56	63.4	0.23	14.03	99.87	115.8	10.3	38.2	1	-2	4	6	-1	1.934	3.17	3.845	5.015	0	0	512	0
1452	55	63.4	0.22	14	99.73	113.5	10.3	38.4	1	-1	0	1	1	1.945	3.164	3.835	5.015	0	0	513	0
1443	55	63.4	0.22	14	99.87	113.9	10.3	38.4	3	-7	0	4	-2	1.868	3.233	3.928	5.01	0	0	512	0
1344	53	63.4	0.1	14.07	99.87	104.3	10.3	38.4	-9	0	-2	2	6	0.587	4.477	4.671	5.01	0	0	544	0
1698	52	63.4	0.13	13.65	99.47	146.8	10.1	38.4	2	-6	1	3	-2	1.53	3.573	4.402	5.01	0	0	1021	0
1767	51	63.5	0.3	13.97	99.59	155.5	10.1	38.4	-1	-2	-2	2	2	2.154	2.966	3.558	5.01	0	0	854	0
1812	53	61.7	0.33	13.34	99.33	160.1	10.1	38.4	-1	0	-1	1	2	1.96	3.148	3.812	5.01	0	0	883	0
1836	54	63.5	0.32	14	99.59	160.1	10.1	38.4	2	4	-1	-2	1	1.707	3.398	4.164	5.01	0	0	908	0
1861	54	63.7	0.24	13.72	99.87	152.1	10.1	38.4	0	-2	1	1	2	1.363	3.727	4.618	5.015	0	0	945	0
1855	54	63.7	0.21	13.59	99.73	149.6	10.1	38.4	0	-6	1	2	2	1.357	3.737	4.638	5.015	0	0	929	0
1849	54	63.7	0.21	14.03	99.73	148.3	10.1	38.5	4	-4	3	-1	-2	1.406	3.687	4.565	5.015	0	0	920	0
1846	54	63.7	0.21	14.1	99.47	147.8	10.1	38.5	0	-3	3	0	1	1.422	3.687	4.559	5.01	0	0	924	0
1833	54	64	0.21	14	99.73	147.6	10.1	38.5	0	-2	-1	2	-1	1.422	3.67	4.539	5.015	0	0	914	0
1842	54	63.9	0.22	13.81	99.59	149.6	10.1	38.5	-1	-5	3	1	2	1.47	3.63	4.491	5.01	0	0	907	0
1850	54	64	0.24	13.94	99.73	152	10.1	38.5	1	-4	2	2	3	1.48	3.612	4.461	5.015	0	0	915	0
1851	54	64	0.24	14	99.73	151.6	10.1	38.5	1	-5	0	2	2	1.454	3.641	4.511	5.01	0	0	923	0
1848	54	64	0.24	14.1	99.47	152.1	10.1	38.7	-2	-3	0	3	2	1.48	3.618	4.472	5.01	0	0	915	0
1848	54	64.1	0.24	14.1	99.47	151.6	10.3	38.7	0	-5	0	2	3	1.465	3.63	4.486	5.01	0	0	914	0
1855	54	64	0.25	13.43	99.73	153.8	10.1	38.7	0	-4	-1	1	2	1.514	3.585	4.422	5.01	0	0	906	0
1859	54	64.1	0.24	13.85	99.73	151.3	10.3	38.7	0	-1	0	4	-1	1.48	3.618	4.477	5.01	0	0	902	0
1851	53	64.1	0.24	13.88	99.59	150.6	10.3	38.7	1	-6	1	1	3	1.46	3.635	4.495	5.015	0	0	904	0
1836	53	64.1	0.24	13.4	99.47	147.1	10.3	38.7	1	-3	1	3	0	1.475	3.625	4.48	5.015	0	0	895	0
1832	54	64.3	0.25	13.27	99.73	153	10.3	38.7	1	-4	-1	2	2	1.496	3.602	4.436	4.993	0	0	892	0
1840	53	64.3	0.26	14.07	99.73	151.6	10.3	38.9	2	-2	2	-1	1	1.496	3.602	4.447	5.015	0	0	905	0
1831	54	64.5	0.25	13.59	99.59	151.6	10.3	38.9	1	-4	0	3	4	1.487	3.612	4.461	5.015	0	0	897	0
1836	54	64.5	0.25	14	99.59	151.8	10.3	38.9	0	-4	0	0	4	1.48	3.612	4.461	5.01	0	0	900	0
1853	54	64.5	0.24	14.1	99.47	152.5	10.3	39	0	-3	1	1	-2	1.487	3.612	4.461	5.015	0	0	914	0
1857	54	64.5	0.24	13.85	99.59	153	10.3	39	1	-4	0	2	1	1.46	3.635	4.495	5.01	0	0	931	0
1872	54	64.5	0.21	13.37	99.47	149	10.3	39	1	-3	0	2	-2	1.309	3.778	4.671	5.01	0	0	965	0
1879	55	64.6	0.21	14.03	99.73	150.1	10.5	39	3	-5	-1	1	1	1.286	3.795	4.677	5.01	0	0	976	0
1885	55	64.6	0.2	14.07	99.73	147.6	10.5	39.2	3	-1	5	0	-3	1.115	3.97	4.677	5.01	0	0	1010	0
1859	55	64.6	0.15	14.1	99.59	142.3	10.5	39.2	-2	1	0	2	0	1.088	4.005	4.671	5.01	0	0	1032	0
1850	54	64.6	0.1	14	99.59	134.6	10.3	39.7	3	2	6	-4	2	0.867	4.204	4.671	5.01	0	0	1037	0
1814	53	64.6	0.08	14.1	99.73	130.6	10.3	39.4	-2	4	0	-1	1	0.716	4.352	4.671	5.015	0	0	980	0
1772	52	65	0.07	13.94	99.73	125.5	10.3	39.4	1	3	-2	-2	-3	0.587	4.477	4.671	5.015	0	0	941	0
1709	51	65	0.06	14.07	100	119	10.3	39.4	-2	2	0	0	-3	0.587	4.477	4.671	5.015	0	0	848	0
1580	46	65	0.05	14.03	100	110	10.3	39.4	0	1	-2	-1	1	0.587	4.477	4.671	5.015	0	0	709	0
1450	42	65	0.05	13.97	100	97.4	10.3	39.4	1	0	1	-2	0	0.587	4.477	4.671	5.015	0	0	538	0
840	37	65	0.03	13.94	100.12	54	10.3	39.5	2	8	-10	11	-11	0.587	4.477	4.671	5.015	0	0	68	0
1060	32	65	0.01	14	99.87	79.6	10.3	39.5	1	1	-2	0	0	0.587	4.477	4.671	5.015	0	0	453	0
1332	28	65	0.03	14.03	100	88	10.3	39.5	1	2	-4	-2	1	0.587	4.477	4.671	5.01	0	0	447	0
1171	24	65	0.03	13.72	100.12	75.3	10.1	39.7	2	-1	-1	-2	3	0.587	4.477	4.671	5.01	0	0	319	

1556	39	65	0.14	14.1	100.12	94.8	9.8	40.2	-1	1	0	-1	1	0.587	4.477	4.671	5.015	0	0	412	0
1405	38	65	0.12	13.97	99.87	98.4	9.8	40.2	2	-7	12	-1	-6	1.539	3.562	4.397	5.015	0	0	413	0
1369	40	65	0.13	14.03	100	99.5	9.8	40.2	0	-6	4	1	-2	1.442	3.658	4.53	5.01	0	0	442	0
1396	41	65	0.14	14.07	99.87	104.3	9.8	40.5	3	-4	1	9	-1	1.562	3.539	4.363	5.01	0	0	469	0
1431	41	65	0.16	14.03	99.73	108.3	9.8	40.4	3	-2	-1	5	-2	1.562	3.539	4.368	5.01	0	0	502	0
1456	43	65	0.15	13.94	100	109	9.6	40.4	2	-6	1	4	-4	1.496	3.608	4.452	5.01	0	0	536	0
1492	43	65	0.17	14.03	100	115.3	9.8	40.4	2	-7	-2	3	0	1.48	3.612	4.467	5.015	0	0	559	0
1520	45	65	0.17	14	100	118	9.6	40.5	3	-4	1	7	-4	1.503	3.595	4.433	5.015	0	0	594	0
1546	45	65	0.18	13.59	99.87	119.6	9.6	41	-1	-7	-1	1	-1	1.503	3.602	4.441	5.015	0	0	616	0
1571	46	65.3	0.18	14.07	99.87	123.4	9.6	40.5	3	-9	1	4	1	1.475	3.618	4.461	5.015	0	0	643	0
1588	46	65.1	0.17	13.94	99.73	122.8	9.6	40.7	2	-5	0	5	-1	1.378	3.716	4.604	5.01	0	0	675	0
1593	46	65.3	0.15	14.03	100	120	9.6	39.5	0	-5	-2	4	0	1.158	3.931	4.671	5.015	0	0	721	0
1602	47	65.1	0.13	14.03	100	118	9.6	41.2	4	-6	2	2	-2	1.195	3.891	4.677	5.01	0	0	717	0
1599	47	65.1	0.1	13.5	99.87	115.4	9.5	40.7	0	-7	0	1	-1	1.141	3.948	4.671	5.01	0	0	715	0
1584	46	65.1	0.13	13.18	100	119.3	9.5	40.7	1	-5	1	6	-1	1.394	3.698	4.589	5.01	0	0	665	0
1606	46	65.3	0.15	13.94	99.73	121.8	9.5	40.7	1	-8	3	3	1	1.406	3.693	4.573	5.015	0	0	684	0
1615	47	65.3	0.16	13.72	100	124.8	9.5	40.7	2	-7	0	3	-3	1.422	3.676	4.545	5.01	0	0	702	0
1642	48	65.3	0.17	14.07	99.87	127.4	9.3	40.7	3	-6	-2	4	-2	1.406	3.687	4.565	5.01	0	0	719	0
1654	49	65.3	0.17	13.72	99.73	129	9.3	40.7	4	-5	1	2	-2	1.406	3.687	4.565	5.01	0	0	741	0
1674	49	65.3	0.17	13.94	99.87	129.5	9.3	40.7	4	-4	2	2	-4	1.394	3.71	4.579	5.01	0	0	757	0
1685	50	65.3	0.17	13.27	99.87	133.6	9.3	40.7	-2	-4	-1	5	-2	1.394	3.698	4.584	5.01	0	0	777	0
1719	49	65.3	0.17	13.75	100	133.3	9.3	40.7	3	-10	10	5	8	1.357	3.727	4.623	5.01	0	0	777	0
1717	50	65.3	0.18	14.03	99.73	136.5	9.3	40.7	1	-6	-2	5	2	1.378	3.716	4.607	5.01	0	0	809	0
1708	50	65.3	0.1	13.94	99.73	124	9.3	41	0	2	2	-2	1	0.587	4.477	4.671	5.01	0	0	873	0
1568	46	65.3	0.06	13.91	100	108.9	9.1	41	0	-1	-5	0	-1	0.587	4.477	4.671	5.01	0	0	692	0
1221	40	65.3	0.05	13.94	100.26	66.5	9.1	41	-4	3	-1	-3	4	0.587	4.477	4.671	5.01	0	0	94	0
823	33	65.1	0.03	14.03	100	55.7	9.1	41	16	-19	1	-20	4	0.587	4.477	4.671	5.01	0	0	34	0
826	28	65.1	0.02	14	100	54.4	9.1	41	-13	-22	10	7	18	0.587	4.477	4.671	5.015	0	0	67	0
798	26	65.3	0.02	13.5	100.38	50.9	9.1	41	-7	0	-4	3	17	0.598	4.477	4.671	5.01	0	0	-18	0
1322	26	65.3	0.04	14	100.12	95.6	9.1	41	-2	-1	1	1	-1	1.373	3.716	4.607	5.015	0	0	411	0
1352	28	65.3	0.11	13.62	99.87	97.1	9	41	-4	-4	2	10	-4	1.718	3.385	4.144	5.01	0	0	398	0
1405	29	65.3	0.16	13.21	99.87	109.4	9	41.2	-2	-4	-1	3	4	2.283	2.829	3.362	5.015	0	0	498	0
1548	32	65.3	0.29	13.85	99.73	138	9	41.2	3	-4	-1	5	-4	2.397	2.727	3.216	5.01	0	0	674	0
1714	36	65.3	0.42	14.07	99.47	166.8	9	41.2	2	-4	1	0	-1	2.375	2.75	3.244	5.01	0	0	837	0
1864	39	65.5	0.45	14	99.47	180	9	41.2	2	-1	-5	1	2	2.23	2.891	3.45	5.01	0	0	978	0
1958	40	65.5	0.42	13.34	99.33	183.8	8.8	41.2	-4	-2	-2	3	5	2.289	2.829	3.357	5.01	0	0	1009	0
1976	41	65.5	0.46	13.94	99.47	190.1	9.1	41.2	0	-2	0	0	1	2.342	2.783	3.293	5.01	0	0	1042	0
1986	41	65.4	0.49	13.97	99.47	193.5	9.1	41.2	0	-3	-1	1	1	2.299	2.818	3.342	5.01	0	0	1050	0
1982	41	65.5	0.49	13.62	99.47	189.3	9.1	41.2	2	-2	3	-1	-2	2.148	2.966	3.548	5.015	0	0	1038	0
1967	41	65.5	0.46	13.91	99.33	186.1	9.1	41.2	0	-1	2	-1	0	2.203	2.914	3.479	5.015	0	0	1023	0
1967	41	65.5	0.44	14.07	99.33	185.3	9.3	41.5	1	-1	-2	-1	4	2.089	3.023	3.635	5.015	0	0	1033	0
1998	42	65.5	0.42	14.03	99.47	186	9.5	41.4	2	1	-2	2	0	1.955	3.148	3.816	5.01	0	0	1091	0
1621	42	65.1	0.15	13.21	100.12	101	9.5	41.5	-2	3	1	-2	2	0.587	4.477	4.671	5.015	0	0	484	0
1428	39	65.5	0.1	14	100.12	101.9	9.6	41.5	0	-12	0	4	2	1.271	3.823	4.677	5.015	0	0	485	0
1384	40	65.5	0.1	13.65	99.87	99.9	9.6	41.5	1	-7	8	3	-5	1.276	3.812	4.671	5.015	0	0	514	0
1447	42	65.8	0.11	13.97	99.73	107.4	9.6	41.5	0	-6	0	3	-6	1.238	3.852	4.671	5.015	0	0	578	0
1527	45	65.8	0.12	14.1	99.73	113.1	9.6	41.5	1	-6	5	2	0	1.195	3.891	4.671	5.01	0	0	674	0
1611	47	65.8	0.12	14.07	99.87	119	9.6	41.5	1	-2	0	3	-2	1.055	4.027	4.671	5.015	0	0	755	0
1691	48	66	0.09	14.07	100	122.8	9.6	41.7	2	-3	2	-1	-1	1.049	4.039	4.671	5.01	0	0	856	0
1757	51	66	0.09	13.85	99.87	130.6	9.6	41.7	1	-2	-1	1	1	1.072	4.011	4.671	5.01	0	0	910	0
1805	52	66	0.1	14.1	99.73	133.1	9.6	41.7	-3	-3	-1	1	-3	1.006	4.072	4.671	5.01	0	0	975	0
1846	54	66	0.1	14	99.87	136.6	9.6	41.7	-2	0	1	1	1	1.011	4.067	4.671	5.01	0	0	994	0
1854	54	66	0.12	14.03	99.73	140.1	9.6	41.7	-2	1	2	1	1	0.996	4.085	4.671	5.01	0	0	1011	0
1878	55	66	0.12	14.07	99.87	140.8	9.6	41.7	-2	-1	-2	1	4	1.006	4.072	4.671	5.01	0	0	1030	0
1901	55	66	0.13	13.94	99.87	142.6	9.5	41.7	0	-2	1	0	1	1.034	4.051	4.671	5.01	0	0	1036	0
1907	56	66.1	0.14	13.5	99.73	150.8	9.5	41.7	0	-2	1	0	1	1.243	3.845	4.671	5.015	0	0	1078	0
1961	57	66	0.18	13.75	99.59	151.8	9.5	41.7	0	-3	-1	1	2	1.212	3.875	4.671	5.01	0	0	1063	0
1949	57	66	0.19	14.07	99.59	154	9.5	43	1	-3	-4	3	3	1.212	3.875	4.671	5.01	0	0	1047	0
1921	57	66.1	0.2	14.07	99.73	153.1	9.5	41.9	2	-4	1	1	3	1.271	3.818	4.671	5.015	0	0	1028	0
1900	56	66	0.2	14.07	99.73	151.8	9.5	42	0	-2	-2	0	0	1.271	3.806	4.671	5.01	0	0	1005	0
1885	55	66	0.2	14.1	99.87	150.3	9.3	42	2	-1	-1	1	2	1.292	3.795	4.671	5.015	0	0	978	0
1867	54	66.1	0.2	14.07	99.59	150	9.3	42	1	-4	1	1	1	1.292	3.795	4.671	5.01	0	0	966	0
1865	54	66.1	0.2	13.72	99.87	147.1	9.3	42	-1	-3	1	2	1	1.276	3.812	4.671	5.01	0	0	954	0
1855	54	68.4	0.19	13.75	99.73	146.3	9.3	42	0	0	-3	2	1	1.32	3.766	4.671	5.01	0	0	932	0
1819	53	66.3	0.19	14.07	100	143.8	9.3	42	2	-9	-5	3	1	1.271	3.812	4.677	5.01	0	0	905	0
1803	52	64.5	0.2	14.03	100.26	143.1	9.3	42	2	-6	0	2	-2	1.406	3.681	4.559	5.015	0	0	869	0
1777	52	66.1	0.22	13.97	99.73	144.8	9.3	42	1	-4	2	2	-1	1.557	3.539	4.359	5.005	0	0	831	0
1761	51	66	0.25	13.81	99.73	146.6	9.3	42.2	2	-2	-3	2	0	1.718	3.381	4.149	5.01	0	0	813	0
1709	50	66	0.25	13.97	99.73	141.1	9.3	42.2	0	-8	-1	3	-2	1.794	3.312	4.041	5.015	0	0	759	0
1658																					

2018	59	66.3	0.59	14.07	99.08	211.8	9.5	42.5	3	-1	-2	2	0	2.683	2.444	2.819	5.01	28.25	0	1111	27.79
2142	62	66.3	0.74	13.94	98.8	242.5	9.6	42.7	4	-4	-3	3	0	2.64	2.483	2.878	5.015	34.36	0	1215	33.91
2227	65	66.6	0.72	13.72	98.41	246.5	9.8	42.7	3	-1	3	-2	-1	2.655	2.471	2.858	5.01	40	0	1312	40
2278	66	66.6	0.73	13.88	98.41	257.3	10.1	42.7	-2	-1	2	-3	-1	2.882	2.239	2.53	5.01	40	0	1354	40
2361	68	66.6	0.82	14.1	98.29	261.2	10.3	42.7	3	-1	2	-5	-5	2.844	2.279	2.589	5.01	40	0	1370	40
2300	67	66.6	0.83	13.5	98.41	264	10.5	42.7	1	-4	3	-3	0	2.898	2.233	2.516	5.01	39.75	0	1376	39.84
2304	67	67.1	0.86	13.78	98.29	266.1	10.8	42.7	2	2	0	-3	-1	2.861	2.267	2.565	5.01	40	0	1383	40
2271	67	67.1	0.62	13.97	99.2	216.6	11.1	42.7	2	-6	3	1	-2	1.383	3.704	4.589	5.01	0	0	1321	0
2158	63	67.5	0.29	14	99.59	170.3	11.3	42.7	-1	-2	1	5	-2	0.937	4.142	4.671	5.01	0	0	1255	0
2009	58	67.5	0.18	14.03	99.59	150	11.6	42.7	1	-4	2	2	-3	1.023	4.061	4.671	5.01	0	0	1075	0
1905	55	67.8	0.19	13.85	99.73	148.3	11.8	42.7	3	-3	1	-2	-2	1.212	3.875	4.671	5.01	0	0	1031	0
1901	56	68	0.2	13.46	99.59	147.3	12	43	3	-4	1	4	1	1.352	3.737	4.632	5.01	0	0	973	0
1884	55	68	0.21	14.1	99.87	148.6	12	42.9	3	-4	-1	3	0	1.48	3.618	4.461	5.015	0	0	936	0
1885	55	68.1	0.24	14.07	99.59	153.6	12	42.9	-2	-4	0	2	3	1.557	3.545	4.374	5.01	0	0	933	0
1870	55	68.1	0.25	13.88	99.87	153.5	12.1	42.9	0	-3	0	0	4	1.562	3.533	4.359	5.015	0	0	916	0
1837	54	68.1	0.26	13.72	99.59	151.6	12.1	43	3	-1	-1	0	0	1.713	3.391	4.158	5.01	0	0	895	0
1825	53	68.6	0.29	13.46	99.47	155.5	12.1	43.7	-1	0	2	-2	5	1.945	3.158	3.835	5.015	0	0	875	0
1794	53	68.6	0.32	13.46	99.59	153	12.1	42.9	2	32	2	-1	-2	1.965	3.141	3.802	5.01	0	0	851	0
1776	51	68.5	0.3	14.1	99.59	150.8	12.1	42.9	-3	-2	-3	3	6	1.928	3.17	3.851	5.01	0	0	811	0
1742	51	68.6	0.29	14.1	99.73	146.3	12.1	42.9	3	-1	0	3	1	1.982	3.125	3.782	5.01	0	0	792	0
1734	51	68.6	0.31	13.94	99.73	149.3	12.1	43	3	-7	-1	1	0	2.105	3.006	3.615	5.01	0	0	792	0
1720	50	68.9	0.32	14.1	99.73	149	12.1	42.9	0	-1	-3	5	-1	1.998	3.108	3.753	5.01	0	0	813	0
1745	51	68.9	0.33	13.78	99.33	151.6	12.1	42.9	0	-3	1	0	0	2.095	3.016	3.625	5.01	0	0	807	0
1763	51	68.9	0.35	13.56	99.59	153.6	12.1	42.9	1	-2	0	2	3	2.191	2.931	3.509	5.01	0	0	826	0
1786	52	68.9	0.35	13.65	99.33	158.6	12.1	42.9	1	-2	-2	-1	2	2.079	3.033	3.645	5.01	0	0	850	0
1812	53	69	0.33	14	99.59	159.6	12.1	43	1	0	-3	1	-2	1.853	3.256	3.954	5.01	0	0	885	0
1849	54	69.1	0.33	14	99.33	160.8	12.1	43	2	-1	0	0	-1	1.88	3.221	3.914	5.01	0	0	932	0
1886	55	69.1	0.32	13.78	99.47	162.1	12.1	43	2	0	-1	-2	-2	1.837	3.266	3.977	5.015	0	0	967	0
1930	56	69.1	0.31	14.03	99.47	163.6	12.1	43	0	0	0	1	-1	1.546	3.551	4.379	5.01	0	0	994	0
1953	57	69.4	0.28	13.46	99.47	163.1	12.3	43	-2	1	-1	1	2	1.503	3.595	4.433	5.01	0	0	1027	0
1992	58	69.4	0.26	13.94	99.47	163.3	12.1	43	0	-1	0	2	1	1.373	3.716	4.604	5.015	0	0	1092	0
2023	59	69.4	0.22	13.94	99.47	160.1	12.3	43.2	2	-4	0	3	-2	1.179	3.914	4.671	5.01	0	0	1158	0
2046	60	69.5	0.19	13.88	99.47	157.1	12.1	43.2	-1	-2	0	-1	1	0.991	4.09	4.671	5.01	0	0	1242	0
2072	61	69.5	0.12	13.94	99.47	149.3	12.1	43.4	0	0	-2	0	-1	0.872	4.204	4.671	5.01	0	0	1256	0
2063	60	70	0.1	14.03	99.73	147.6	12.1	43.4	-6	6	-2	-4	1	0.829	4.243	4.671	5.015	0	0	1239	0
2047	59	69.6	0.1	14.07	99.59	146.8	12.1	43.4	0	5	-2	-6	4	0.587	4.477	4.671	5.01	0	0	1221	0
2039	59	69.8	0.09	13.94	99.73	145.6	12.1	43.5	-6	8	0	-4	1	0.587	4.477	4.671	5.01	0	0	1213	0
2024	59	70	0.09	14	99.73	143.8	12.1	43.5	-4	3	4	-4	-2	0.587	4.477	4.671	5.01	0	0	1193	0
1963	57	69.9	0.09	14	99.87	138.6	12	43.5	0	2	0	-4	0	0.587	4.477	4.671	5.01	0	0	1092	0
1808	53	70	0.08	14.03	100	128.1	12	43.5	-1	2	-1	-2	2	0.587	4.477	4.671	5.01	0	0	927	0
1614	47	69.9	0.06	14.03	99.87	112	11.8	43.5	-3	2	2	-1	-5	0.587	4.477	4.671	5.015	0	0	747	0
1433	41	69.9	0.05	13.94	100	92.1	11.8	43.5	-5	7	-5	-1	-6	0.587	4.477	4.671	5.01	0	0	432	0
846	35	69.9	0.04	14	100	55.5	11.6	43.7	-4	-23	22	0	5	0.587	4.477	4.677	5.015	0	0	5	0
832	28	70	0.03	13.37	100	53.5	11.6	43.7	-11	-2	-1	8	8	0.587	4.477	4.671	5.01	0	0	4	0
788	25	70	0.02	13.97	100.52	51.2	11.6	43.7	4	-3	0	11	0	0.587	4.477	4.671	5.01	0	0	7	0
819	23	69.9	0.02	13.97	100	52.5	11.6	43.7	0	0	-1	-1	1	0.775	4.295	4.671	5.01	0	0	25	0
894	21	69.9	0.01	14.07	100.26	65	11.5	43.7	3	0	2	-2	-3	1.103	3.987	4.671	5.01	0	0	203	0
1009	20	69.9	0.04	13.78	100.26	67.1	11.5	43.7	-2	-2	0	4	0	0.664	3.437	4.217	5.01	0	0	88	0
1083	22	69.9	0.08	13.97	100	75	11.3	44	-5	-2	5	4	-3	1.955	3.158	3.831	5.01	0	0	166	0
1165	24	69.9	0.12	14	100.12	83.1	11.3	44	-4	-4	4	3	-3	1.733	3.368	4.125	5.01	0	0	244	0
1213	25	70	0.12	13.97	100.26	87.4	11.3	44	-2	-4	3	4	-1	1.363	3.727	4.623	5.01	0	0	308	0
1197	25	69.9	0.09	14.03	100.12	82.3	11.1	44	-1	-3	3	3	-6	1.162	3.926	4.671	5.01	0	0	310	0
1192	25	69.9	0.08	13.85	100.12	80.6	11.1	44	-2	-3	4	2	-6	1.437	3.664	4.53	5.01	0	0	256	0
1222	26	69.9	0.1	14.07	100.12	88	11.1	44	2	-5	3	2	-2	1.697	3.408	4.188	5.015	0	0	301	0
1277	26	69.9	0.13	13.65	99.87	93.9	11	44	1	-6	5	4	-3	2.052	3.056	3.684	5.01	0	0	377	0
1408	28	70	0.24	13.94	99.73	119.5	10.8	44.2	-1	-1	2	5	-5	2.548	2.591	3.029	5.01	0	0	522	0
1584	33	70	0.35	13.97	99.73	144.8	10.8	44.2	0	-3	0	2	-1	2.332	2.789	3.303	5.01	0	0	714	0
1749	36	70	0.37	13.97	99.47	161.8	10.8	44.2	1	-1	-2	1	1	2.058	3.056	3.69	5.01	0	0	849	0
1862	38	70	0.35	14.03	99.59	166	10.8	44.5	1	1	-1	-2	1	1.799	3.318	4.041	5.01	0	0	969	0
1957	41	70.1	0.3	14.07	99.73	164.6	10.8	44.5	0	0	3	3	-2	1.406	3.687	4.559	5.01	0	0	1045	0
1983	41	69.9	0.24	14	99.59	159.5	10.6	44.5	1	-4	-1	1	1	1.195	3.897	4.671	5.015	0	0	1105	0
1994	41	69.9	0.13	14.07	99.59	145	10.6	44.5	-4	4	-5	1	6	0.813	4.267	4.671	5.015	0	0	1090	0
1867	39	69.9	0.08	14.1	99.73	133.8	10.6	44.5	0	2	-1	-2	-1	0.587	4.481	4.671	5.015	0	0	1016	0
1771	36	69.9	0.07	14.03	100	126.1	10.6	44.5	-1	2	0	1	-2	0.587	4.477	4.671	5.01	0	0	921	0
1678	35	69.9	0.06	14.03	100	118.1	10.5	44.5	1	0	-1	-1	0	0.587	4.477	4.671	5.015	0	0	826	0
1571	33	69.9	0.06	14.03	100	109.5	10.5	44.7	-2	-1	-1	3	1	1.162	3.931	4.671	5.01	0	0	670	0
1559	32	69.9	0.11	14	99.87	113.9	10.3	44.7	1	-6	2	5	-2	1.918	3.193	3.885	5.01	0	0	615	0
1641	33	69.6	0.32	13.31	99.73	150.3	10.3	44.7	-1	-3	2	3	-4	2.563	2.573	3	5.01	0	0	753	0
1816	37	69.6	0.49	13.88	99.47	183.1	10.3	44.7	-1	1	-2	1	1	2.446	2.687	3.161	5.01	29.			

2429	51	70	0.86	14.07	97.88	296.6	10.8	45	3	2	1	-3	2	3.188	1.955	2.13	5.01	36.31	0	1555	36.7
2658	55	70	1	14.03	97.09	344.5	10.8	45	0	0	2	-2	-2	3.075	2.062	2.292	5.01	36.65	0	1806	36.36
2873	60	70	0.66	14.07	99.33	252.5	11.1	45.2	-2	3	0	-3	2	0.587	4.477	4.671	5.01	0	0	1782	0
2062	60	70	0.4	13.53	99.2	193.8	11.5	45.2	2	-4	3	2	-4	3.362	1.784	1.886	5.01	33.77	0	1125	33.33
2127	62	70	0.69	13.88	98.8	238.1	11.8	45.2	3	-2	-4	1	-1	3.937	1.228	1.098	5.01	40	0	1229	39.99
2242	65	70	0.75	13.97	98.68	250.1	12	45.2	2	0	1	-3	0	3.927	1.24	1.103	5.015	37.56	0	1319	38.77
2351	69	70.5	1	13.72	97.76	307.1	12.3	45.2	2	0	-3	-4	1	3.819	1.342	1.26	5.01	35.66	0	1459	35.7
2513	73	70.5	1.05	13.97	97.5	323.7	12.6	45.2	3	-1	-1	-3	-2	3.706	1.45	1.417	5.015	35.54	0	1620	35.54
2663	77	70.5	1.07	14	97.23	333.7	13	45.2	-1	1	4	-2	-1	3.582	1.562	1.582	5.01	36.27	0	1766	35.91
2718	80	70.5	0.51	14	99.59	214.5	13.5	45.2	0	-11	0	3	8	0.587	4.477	4.671	5.01	0	0	1560	0
2122	79	70.5	0.32	13.4	99.2	176.8	13.8	43	-1	-3	-12	-4	-5	2.607	2.523	2.927	5.01	32.61	0	1171	32.15
2115	80	70.9	0.67	13.65	98.68	228.6	14.3	45.2	-1	0	-11	8	4	3.539	1.603	1.641	5.01	39.36	0	1163	38.9
2155	82	71	0.75	13.94	98.94	234.6	14.6	45.5	1	-5	-1	0	3	3.286	1.858	1.998	5.01	40	0	1213	40
2176	83	71.5	0.63	13.78	99.2	219.5	14.8	45.5	2	0	0	1	-1	2.634	2.494	2.892	5.01	33.34	0	1247	33.43
2192	83	71.8	0.56	14.07	99.08	215.1	15.1	45.5	1	-2	1	-1	1	2.65	2.471	2.868	5.015	33.34	0	1247	33.34
2203	83	72	0.56	13.78	99.08	215	15.3	45.5	3	-6	3	-1	1	2.671	2.46	2.839	5.015	36.86	0	1261	36.5
2203	83	72	0.56	14.1	98.94	214	15.3	45	4	-1	0	-3	0	2.677	2.454	2.834	5.01	40	0	1268	40
2208	84	72.5	0.56	14.07	99.08	217.3	15.6	45.5	3	-4	2	0	-1	2.677	2.46	2.839	5.01	40	0	1269	40
2215	84	72.6	0.56	13.46	98.94	217.3	15.6	45.5	3	-3	2	-1	-1	2.671	2.46	2.844	5.01	40	0	1271	40
2214	84	72.6	0.56	14.03	99.08	219.3	15.8	45.5	4	1	0	-4	-1	2.671	2.466	2.844	5.015	40	0	1277	40
2223	84	72.9	0.57	13.81	98.8	220.8	15.8	45.7	0	-3	1	-3	1	2.671	2.454	2.839	5.015	40	0	1278	40
2217	84	73.4	0.57	13.94	99.08	216.6	16	45.7	-1	-4	5	-4	2	2.677	2.46	2.834	5.01	40	0	1283	40
2221	84	73.4	0.58	13.81	99.08	218.6	16.1	45.7	1	-1	0	-2	2	2.671	2.46	2.839	5.01	40	0	1281	40
2220	84	73.5	0.56	14.07	98.94	221.3	16.2	45.7	1	-2	1	1	-1	2.671	2.46	2.839	5.01	40	0	1281	40
2224	85	73.5	0.57	14	99.08	221.5	16.2	45.7	3	1	-1	2	-3	2.677	2.454	2.834	5.01	40	0	1279	40
2217	85	73.5	0.57	14	98.94	217.6	16.2	45.2	3	-1	1	0	1	2.671	2.46	2.844	5.01	40	0	1284	40
2217	84	73.9	0.58	13.91	98.94	217.5	16.2	46.2	2	1	-1	3	-5	2.671	2.46	2.839	5.01	40	0	1284	40
2217	84	74	0.58	13.75	98.94	216	16.3	45.7	3	1	-1	-2	3	2.671	2.46	2.844	5.01	40	0	1280	40
2216	84	74.3	0.56	14	98.94	221.5	16.5	45.7	3	-1	-1	2	1	2.671	2.46	2.839	5.01	40	0	1267	40
2207	84	74.3	0.56	14	99.08	217.1	16.6	45.7	2	-1	5	-3	2	2.671	2.46	2.834	5.01	40	0	1270	40
2199	83	74.3	0.56	14.03	99.08	215.1	16.6	45.7	2	-1	1	-2	1	2.671	2.46	2.839	5.01	40	0	1269	40
2205	84	74.5	0.57	13.43	99.08	216	16.6	45.7	1	-3	0	-1	1	2.671	2.46	2.844	5.01	40	0	1264	40
2207	84	74.6	0.57	14.03	99.08	215.5	16.6	45.7	0	2	1	-1	0	2.671	2.46	2.839	5.015	40	0	1264	40
2204	84	74.6	0.57	14.07	98.94	214	16.7	45.7	1	-5	1	3	3	2.671	2.46	2.839	5.01	40	0	1268	40
2208	84	75	0.56	13.46	99.08	215.6	16.7	45.7	2	3	0	-4	1	2.677	2.46	2.834	5.01	40	0	1263	40
2205	84	75	0.57	13.78	99.08	218.1	16.7	46	0	-4	3	0	1	2.687	2.437	2.815	5.01	40	0	1266	40
2210	83	75.1	0.57	13.81	99.08	219.3	16.7	47.2	1	-4	1	2	0	2.704	2.421	2.785	5.01	40	0	1259	40
2209	84	75.1	0.57	13.65	98.94	219.1	16.7	47.2	2	-4	1	0	1	2.704	2.421	2.795	5.01	40	0	1267	40
2207	84	75.4	0.57	13.21	98.94	217.3	16.8	46	2	-3	2	1	-2	2.694	2.431	2.805	5.015	40	0	1265	40
2208	84	75.6	0.58	13.18	99.08	221.3	16.8	46	-1	-4	2	0	3	2.698	2.427	2.805	5.015	40	0	1271	40
2210	84	75.6	0.57	14.03	99.08	221.3	17	46	-1	-1	0	0	1	2.698	2.431	2.805	5.015	40	0	1270	40
2218	84	75.9	0.57	13.97	98.94	222.1	17	46	3	-5	-1	1	2	2.698	2.427	2.799	5.015	40	0	1266	40
2213	84	75.9	0.58	13.91	98.8	218	17	46	2	-3	-2	-2	0	2.698	2.431	2.805	5.015	40	0	1277	40
2212	84	76	0.58	14.07	99.2	221.3	17	46.2	2	1	1	-1	-1	2.694	2.431	2.809	5.01	40	0	1273	40
2210	84	76	0.58	13.97	98.8	218.1	17.1	46.2	2	2	2	-2	3	2.698	2.431	2.805	5.01	40	0	1274	40
2215	84	76.4	0.58	14.03	98.94	216.6	17.1	46.2	5	0	0	-2	-1	2.694	2.431	2.805	5.01	40	0	1273	40
2217	84	76.4	0.58	13.78	98.8	216.8	17.2	46.2	0	-2	2	1	-1	2.694	2.431	2.805	5.01	40	0	1276	40
2213	84	76.8	0.57	14.03	98.94	218.5	17.1	46.5	3	2	1	-2	0	2.694	2.431	2.815	5.01	40	0	1272	40
2212	84	76.8	0.57	13.91	98.94	218.1	17.2	46.5	1	-2	2	-1	1	2.687	2.431	2.805	5.01	40	0	1267	40
2208	84	76.8	0.57	13.97	98.94	216.8	17.2	46.5	3	2	2	1	-3	2.687	2.437	2.815	5.01	40	0	1273	40
2214	84	76.8	0.57	14	98.94	218.6	17.2	46.4	3	-3	1	-1	-1	2.687	2.437	2.809	5.01	40	0	1272	40
2212	84	76.8	0.57	13.4	98.94	217.5	17.2	46.5	2	-3	2	-1	-4	2.687	2.437	2.815	5.01	40	0	1271	40
2214	84	77	0.57	13.75	98.94	216.8	17.2	46.5	1	-3	1	-2	0	2.687	2.444	2.819	5.015	40	0	1270	40
2217	84	77	0.58	13.94	99.08	217.3	17.2	46.7	3	-3	1	0	-1	2.694	2.431	2.805	5.01	40	0	1272	40
2216	84	77.3	0.57	13.75	98.94	217.3	17.2	46.7	4	-3	1	-5	3	2.694	2.431	2.805	5.015	40	0	1263	40
2215	84	77.3	0.56	13.97	98.8	218.1	17.2	46.7	1	-5	2	-1	3	2.683	2.448	2.825	5.01	40	0	1273	40
2213	84	77.5	0.56	14.07	98.94	218.1	17.2	46.9	4	-5	1	0	0	2.683	2.444	2.819	5.01	40	0	1269	40
2204	84	77.5	0.56	13.97	99.08	218.1	17.2	46.9	1	-4	1	1	1	2.687	2.437	2.815	5.01	40	0	1266	40
2203	84	77.6	0.56	13.91	98.94	217.5	17.2	46.9	2	-2	2	-1	-1	2.694	2.431	2.805	5.01	40	0	1263	40
2203	84	77.9	0.57	13.91	98.8	218.5	17.3	46.9	0	-6	1	-1	5	2.687	2.437	2.809	5.015	40	0	1257	40
2201	83	77.9	0.57	14.03	98.8	217.3	17.3	47	4	0	-2	-3	0	2.694	2.431	2.805	5.01	40	0	1268	40
2194	84	77.9	0.56	13.62	98.8	217.1	17.3	47	4	-5	2	-1	0	2.694	2.431	2.805	5.01	40	0	1261	40
2201	83	78.1	0.56	13.97	98.8	216.5	17.3	47	0	-1	2	-2	1	2.687	2.437	2.815	5.015	40	0	1258	40
2198	83	78.1	0.56	14	98.94	213.6	17.3	47	2	-1	0	-6	2	2.687	2.437	2.815	5.01	40	0	1263	40
2201	83	78.1	0.57	13.46	99.08	218.1	17.3	47.9	3	-5	-2	-1	2	2.687	2.437	2.815	5.01	40	0	1257	40
2190	83	78.4	0.56	14.03	98.94	216.5	17.3	48.5	3	-2	6	0	-3	2.694	2.437	2.809	5.015	40	0	1257	40
2192	83	76.1	0.57	14.03	98.94	215.5	17.5	47.2	1	-3	2	-1	1	2.687	2.437	2.809	5.01	40	0	1247	40
2188	83	76.1	0.58	13.69	99.2	215.5	17.3	49.2	4	-4	0</										

2205	83	79.5	0.57	13.59	98.8	217.3	17.5	47.7	3	0	1	-2	-2	2.683	2.444	2.819	5.01	40	0	1266	40
2210	84	79.5	0.57	13.81	98.8	218.1	17.5	47.9	4	-2	0	-3	1	2.687	2.437	2.819	5.01	40	0	1267	40
2211	84	79.5	0.57	14	98.94	218.5	17.5	47.9	3	-1	-1	1	-2	2.687	2.444	2.819	5.01	40	0	1269	40
2211	84	79.5	0.58	13.94	98.94	220.5	17.5	48	3	2	1	-3	-3	2.687	2.437	2.815	5.01	40	0	1273	40
2212	84	79.8	0.58	14	98.8	220.6	17.5	48	3	1	2	-2	-3	2.687	2.444	2.815	5.01	40	0	1281	40
2221	84	79.8	0.58	14.03	98.94	220.3	17.5	48.2	2	0	2	-1	1	2.687	2.437	2.815	5.01	40	0	1281	40
2219	85	79.8	0.58	13.78	98.68	218.6	17.6	48.2	3	-2	1	-1	1	2.687	2.444	2.815	5.01	40	0	1280	40
2232	84	80	0.59	14	98.68	219	17.6	48.2	1	-6	0	1	-2	2.683	2.437	2.815	5.01	40	0	1295	40
2227	85	80.3	0.59	14.07	98.94	223	17.6	48.2	1	-4	2	-3	5	2.698	2.427	2.795	5.01	40	0	1294	40
2242	85	80.5	0.59	13.97	98.29	220.3	17.6	48.2	-1	-3	2	-5	0	2.687	2.437	2.815	5.01	40	0	1301	40
2237	85	80.5	0.59	13.97	98.55	222.5	17.7	48.2	-1	0	1	0	0	2.687	2.437	2.815	5.01	40	0	1298	40
2246	85	80.5	0.59	13.94	98.68	222.5	17.7	48.2	5	-1	1	3	-3	2.698	2.427	2.795	5.01	40	0	1301	40
2248	86	80.5	0.59	13.94	98.94	220.3	17.7	48.2	2	1	-1	-3	1	2.704	2.421	2.789	5.015	40	0	1309	40
2251	85	80.5	0.6	13.78	98.68	224.3	17.7	48.2	1	1	2	-4	1	2.698	2.421	2.795	5.01	40	0	1315	40
2252	86	80.9	0.62	13.56	98.68	227.5	17.7	48.5	1	0	0	-2	1	2.773	2.346	2.687	5.015	40	0	1319	40
2267	86	80.9	0.63	13.97	98.68	230.5	17.7	48.5	0	-2	3	-5	1	2.737	2.387	2.746	5.01	40	0	1333	40
2275	87	80.9	0.62	14	98.68	229.3	17.7	48.5	3	-2	1	-3	1	2.742	2.381	2.74	5.01	40	0	1335	40
2282	87	81.1	0.61	13.91	98.68	229.5	17.8	48.5	4	1	-3	-4	1	2.73	2.391	2.75	5.015	40	0	1343	40
2283	87	81.1	0.61	14.07	98.68	228.6	17.8	48.5	3	-3	1	-3	-2	2.742	2.387	2.74	5.01	40	0	1346	40
2287	87	81.5	0.62	13.97	98.8	232.3	17.8	48.5	1	-1	1	-3	1	2.747	2.381	2.737	5.01	40	0	1353	40
2294	87	81.5	0.62	13.91	98.55	235.1	17.8	48.5	-1	-7	-1	-2	-2	2.747	2.381	2.732	5.015	40	0	1361	40
2304	87	78.9	0.62	13.97	98.8	229.5	18	48.7	3	-4	3	-3	-2	2.747	2.381	2.732	5.01	40	0	1365	40
2312	88	81.8	0.63	13.46	98.68	232.3	18	48.9	2	-1	1	-4	0	2.753	2.375	2.727	5.01	40	0	1364	40
2308	88	87.5	0.62	13.97	98.68	231	18.1	48.7	5	2	0	-4	-3	2.785	2.341	2.678	5.01	40	0	1373	40
2313	88	82.1	0.62	13.97	98.55	239.3	18.1	48.9	4	-2	0	-5	-1	2.769	2.358	2.697	5.015	40	0	1383	40
2326	89	82.5	0.63	13.27	98.68	238	18.2	48.9	0	-1	-1	-4	-1	2.757	2.364	2.711	5.01	40	0	1388	40
2324	89	82.1	0.62	14.03	98.55	235.5	18.2	49	3	-4	3	-3	1	2.753	2.369	2.727	5.01	40	0	1392	40
2332	89	82	0.61	13.34	98.8	235.1	18.2	49	0	1	-2	-2	1	2.753	2.375	2.721	5.01	40	0	1393	40
2338	89	82	0.62	13.88	98.55	232.5	18.2	49.2	2	2	-1	-4	0	2.747	2.375	2.732	5.01	40	0	1400	40
2352	89	82	0.63	13.75	98.55	236.6	18.2	49.2	-1	1	-1	-1	2	2.742	2.375	2.727	5.01	40	0	1406	40
2357	89	82.5	0.62	13.4	98.68	231	18.2	49.2	6	0	4	-6	3	2.753	2.375	2.727	5.01	40	0	1410	40
2358	90	82.5	0.62	13.78	98.55	235.1	18.2	49.2	2	0	-2	-5	4	2.747	2.381	2.737	5.01	40	0	1413	40
2356	90	83	0.63	13.81	98.41	238.3	18.3	49.2	-2	1	2	-4	3	2.742	2.381	2.737	5.01	40	0	1419	40
2358	90	82.8	0.61	13.65	98.55	241.1	18.5	49.2	0	0	1	-7	5	2.737	2.375	2.746	5.01	40	0	1423	40
2361	90	82.8	0.61	14	98.55	235.3	18.5	49.2	2	0	-2	-1	-1	2.71	2.414	2.78	5.01	40	0	1422	40
2359	89	82.8	0.62	13.94	98.68	238.1	18.5	49.5	0	1	1	-3	0	2.72	2.404	2.766	5.01	40	0	1421	40
2363	89	82.8	0.62	14.03	98.41	237.3	18.5	49.5	-2	0	6	-5	1	2.714	2.408	2.776	4.993	40	0	1416	40
2364	90	83	0.61	13.97	98.68	239.1	18.5	49.5	1	2	-2	-3	2	2.72	2.404	2.766	5.01	40	0	1431	40
2373	90	83	0.61	13.85	98.41	238	18.5	49.5	3	1	1	-4	1	2.726	2.398	2.76	5.01	40	0	1434	40
2375	90	83	0.62	14.03	98.55	239.1	18.5	49.4	1	-3	0	-2	5	2.72	2.404	2.77	5.01	40	0	1438	40
2382	90	82.1	0.61	13.91	98.41	242.1	18.5	49.5	1	0	3	-4	1	2.72	2.404	2.766	5.01	40	0	1444	40
2380	90	83.3	0.62	13.59	98.55	237.3	18.6	49.5	2	1	-3	-2	1	2.72	2.404	2.77	5.01	40	0	1440	40
2386	90	82.8	0.62	13.34	98.68	242.3	18.6	49.5	4	-1	0	-3	2	2.72	2.404	2.766	5.015	40	0	1446	40
2390	90	80.6	0.62	13.72	98.55	238.3	18.5	49.7	-1	0	-3	-2	2	2.72	2.404	2.795	5.015	40	0	1453	40
2394	91	83.3	0.63	14.07	98.55	240.3	18.6	49.7	-6	5	0	-4	0	2.714	2.408	2.776	5.01	40	0	1445	40
2388	91	83	0.62	13.27	98.41	242.1	18.6	49.7	1	3	-1	-6	4	2.714	2.408	2.776	5.01	40	0	1452	40
2389	91	83.9	0.62	13.27	98.68	234.6	18.6	49.7	3	-1	-2	-5	4	2.694	2.431	2.805	5.01	40	0	1444	40
2385	91	83.6	0.62	13.97	98.55	236	18.6	49.7	0	3	0	-7	-2	2.704	2.427	2.795	5.01	40	0	1448	40
2388	91	83.5	0.62	14.03	98.55	238.6	18.6	50	0	4	-2	-3	1	2.698	2.427	2.789	5.01	40	0	1447	40
2385	90	83.9	0.63	13.97	98.68	238.5	18.7	50	1	4	0	-4	2	2.704	2.421	2.789	5.01	40	0	1446	40
2382	90	84.1	0.61	14	98.55	239.3	18.7	50	1	-3	-2	-3	2	2.714	2.404	2.766	5.015	40	0	1445	40
2378	90	84	0.63	14	98.29	239	18.7	50	2	-1	0	-4	0	2.72	2.404	2.77	5.015	40	0	1444	40
2387	91	84.1	0.62	13.72	98.68	238.3	18.7	50	1	4	-6	1	3	2.704	2.421	2.789	5.015	40	0	1445	40
2382	90	84.1	0.6	13.85	98.41	245.1	18.7	50	2	-3	2	-3	4	2.714	2.408	2.77	5.01	40	0	1440	40
2378	90	84.1	0.62	13.46	98.55	237.5	18.7	50.2	3	3	0	-7	3	2.714	2.408	2.77	5.01	40	0	1437	40
2372	90	84.1	0.61	13.97	98.55	236.8	18.8	50.2	3	1	0	-3	2	2.714	2.408	2.776	5.01	40	0	1439	40
2366	90	84.1	0.62	13.97	98.55	236.1	18.8	50.2	2	3	-2	-5	0	2.714	2.408	2.776	5.01	40	0	1431	40
2371	90	84.1	0.61	13.88	98.55	238.5	18.8	50.5	0	-1	-1	-4	5	2.714	2.408	2.776	5.01	40	0	1424	40
2370	90	84.5	0.61	14.03	98.55	234.3	18.8	49.7	1	5	-1	-6	1	2.72	2.404	2.766	5.01	40	0	1422	40
2359	90	84.3	0.61	13.94	98.55	238	18.8	50.5	1	0	1	-5	2	2.72	2.404	2.766	5.01	40	0	1419	40
2355	90	84.8	0.61	13.4	98.55	233.5	19	50.7	4	2	-1	-4	-1	2.73	2.398	2.756	5.01	40	0	1406	40
2351	89	84.5	0.62	14	98.55	238.3	18.8	50.7	2	5	-2	-2	0	2.737	2.391	2.75	5.015	40	0	1412	40
2354	89	84.5	0.62	13.43	98.55	228.6	19	51.7	4	1	0	-3	1	2.737	2.387	2.74	5.01	40	0	1403	40
2346	90	84.5	0.62	13.85	98.68	237.1	19	50.9	0	0	2	-4	5	2.737	2.387	2.74	5.01	40	0	1402	40
2342	89	84.8	0.62	13.85	98.41	233.6	19	50.9	5	0	-4	-2	5	2.73	2.391	2.756	5.01	40	0	1402	40
2334	89	84.8	0.62	14	98.55	233.6	19	50.9	5	-2	1	-5	1	2.737	2.391	2.75	5.01	40	0	1396	40
2335	89	84.8	0.61	13.97	98.55	231.8	19	51	0	-2	0	-1	1	2.73	2.391	2.746	5.01	40	0	1389	40
2331	88	84.8	0.62	13.97	98.55	235.1	19.1	51	3	3	2	-3	0	2.737	2.387	2.74	5.01	40	0		

2293	87	85.4	0.63	13.97	98.68	230.1	19.5	51.7	0	2	0	0	3	2.753	2.369	2.737	5.01	40	0	1353	40
2300	87	85.4	0.65	13.24	98.41	234.8	19.2	51.7	3	2	0	1	-4	2.865	2.267	2.569	5.01	40	0	1357	40
2306	88	85.4	0.67	13.31	98.55	240.3	19.5	52	2	3	-1	-1	-1	2.844	2.279	2.595	5.015	40	0	1364	40