

M.Sc. Physics Entrance Exam 2015

Effective marks of Savitribai Phule Pune University Students only

Any query related to marks or calculations please write to admin@physics.unipune.ac.in
on or before 5:00 P.M. , Tuesday, 07/07/2015

Or

Visit Department of Physics, Savitribai Phule Pune University administration office

Seat no.	Entrance	Principle total marks out of 1200	Entrance Test marks out of 75	Principle total out of 75	Effective sum out of 150
11064	41	1083	20.5	67.6875	88.1875
11109	-12	836	-6	52.25	46.25
12037	51	1000	25.5	62.5	88
13011	33	925	16.5	57.8125	74.3125
14028	74	engineering	NA	NA	74
14056	14	981	7	61.3125	68.3125
14057	2	1098	1	68.625	69.625
14058	15	786	7.5	49.125	56.625
14068	7	934	3.5	58.375	61.875
14074	-10	813	-5	50.8125	45.8125
14097	28	953	14	59.5625	73.5625
15012	23	1054	11.5	65.875	77.375
15197	-22	850	-11	53.125	42.125
15200	1	989	0.5	61.8125	62.3125
15211	15	821	7.5	51.3125	58.8125
16002	30	812	15	50.75	65.75
16003	32	936	16	58.5	74.5
16005	-10	863	-5	53.9375	48.9375
16006	-2	900	-1	56.25	55.25
16007	1	903	0.5	56.4375	56.9375
16008	0	884	0	55.25	55.25
16009	2	956	1	59.75	60.75
16010	22	878	11	54.875	65.875
16011	-4	931	-2	58.1875	56.1875
16012	-15	741	-7.5	46.3125	38.8125
16013	13	835	6.5	52.1875	58.6875
16014	8	962	4	60.125	64.125
16015	0	825	0	51.5625	51.5625
16016	0	863	0	53.9375	53.9375

16017	2	829	1	51.8125	52.8125
16018	14	1029	7	64.3125	71.3125
16019	14	951	7	59.4375	66.4375
16020	2	981	1	61.3125	62.3125
16021	16	817	8	51.0625	59.0625
16022	18	941	9	58.8125	67.8125
16023	-1	872	-0.5	54.5	54
16024	13	1015	6.5	63.4375	69.9375
16025	17	1102	8.5	68.875	77.375
16026	14	951	7	59.4375	66.4375
16027	23	1093	11.5	68.3125	79.8125
16028	21	987	10.5	61.6875	72.1875
16029	24	878	12	54.875	66.875
16030	16	892	8	55.75	63.75
16031	19	1094	9.5	68.375	77.875
16032	4	863	2	53.9375	55.9375
16035	12	1078	6	67.375	73.375
16036	10	849	5	53.0625	58.0625
16037	42	1065	21	66.5625	87.5625
16038	9	796	4.5	49.75	54.25
16039	2	860	1	53.75	54.75
16040	-5	939	-2.5	58.6875	56.1875
16041	3	784	1.5	49	50.5
16042	-7	998	-3.5	62.375	58.875
16043	-4	989	-2	61.8125	59.8125
16045	13	1035	6.5	64.6875	71.1875
16046	22	926	11	57.875	68.875
16047	8	768	4	48	52
16048	18	957	9	59.8125	68.8125
16049	6	784	3	49	52
16050	-24	755	-12	47.1875	35.1875
16051	-7	918	-3.5	57.375	53.875
16052	-15	760	-7.5	47.5	40
16053	5	727	2.5	45.4375	47.9375
16054	12	993	6	62.0625	68.0625
16055	34	1018	17	63.625	80.625
16056	20	1023	10	63.9375	73.9375
16059	13	875	6.5	54.6875	61.1875
16060	11	869	5.5	54.3125	59.8125
16063	16	977	8	61.0625	69.0625
16064	-10	706	-5	44.125	39.125

16065	12	872	6	54.5	60.5
16066	2	905	1	56.5625	57.5625
16067	3	834	1.5	52.125	53.625
16068	-9	949	-4.5	59.3125	54.8125
16069	12	886	6	55.375	61.375
16070	2	963	1	60.1875	61.1875
16071	-10	893	-5	55.8125	50.8125
16072	18	879	9	54.9375	63.9375
16073	28	1013	14	63.3125	77.3125
16074	6	962	3	60.125	63.125
16075	18	915	9	57.1875	66.1875
16076	-4	1028	-2	64.25	62.25
16077	-4	927	-2	57.9375	55.9375
16079	-13	1004	-6.5	62.75	56.25
16080	1	954	0.5	59.625	60.125
16081	10	911	5	56.9375	61.9375
16082	10	890	5	55.625	60.625
16083	9	1000	4.5	62.5	67
16084	20	907	10	56.6875	66.6875
16085	16	1119	8	69.9375	77.9375
16086	3	943	1.5	58.9375	60.4375
16087	19	940	9.5	58.75	68.25
16088	12		6	0	6
16089	-10	858	-5	53.625	48.625
16090	-24	944	-12	59	47
16091	19	959	9.5	59.9375	69.4375
16092	9	1023	4.5	63.9375	68.4375
16093	2	702	1	43.875	44.875
16094	-19	844	-9.5	52.75	43.25
16095	-3	829	-1.5	51.8125	50.3125
16096	2	1027	1	64.1875	65.1875
16097	3	808	1.5	50.5	52
16098	-14	747	-7	46.6875	39.6875
16101	-4	1103	-2	68.9375	66.9375
16102	19	1043	9.5	65.1875	74.6875
16103	6	844	3	52.75	55.75
16104	-6	792	-3	49.5	46.5
16105	-14	796	-7	49.75	42.75
16106	-2	871	-1	54.4375	53.4375
16107	9	1000	4.5	62.5	67
16108	21	999	10.5	62.4375	72.9375

16109	12	1008	6	63	69
16110	3	1094	1.5	68.375	69.875
16111	-5	859	-2.5	53.6875	51.1875
16112	19	1074	9.5	67.125	76.625
16113	10	930	5	58.125	63.125
16115	-3	860	-1.5	53.75	52.25
16118	11	918	5.5	57.375	62.875
16120	-11	935	-5.5	58.4375	52.9375
16121	6	858	3	53.625	56.625
16122	18	793	9	49.5625	58.5625
16123	5	893	2.5	55.8125	58.3125
16124	28	871	14	54.4375	68.4375
16125	-18	894	-9	55.875	46.875
16126	10	932	5	58.25	63.25
16127	18	1001	9	62.5625	71.5625
16128	4	752	2	47	49
16129	-7	766	-3.5	47.875	44.375
16130	2	984	1	61.5	62.5
16131	10	688	5	43	48
16133	23		11.5	0	11.5
16134	10	938	5	58.625	63.625
16135	-12	802	-6	50.125	44.125
16136	10	839	5	52.4375	57.4375
16137	14	869	7	54.3125	61.3125
16138	-13	885	-6.5	55.3125	48.8125
16140	22	973	11	60.8125	71.8125
16141	16	805	8	50.3125	58.3125
16142	6	1032	3	64.5	67.5
16143	-10	865	-5	54.0625	49.0625
16144	-10	961	-5	60.0625	55.0625
16145	-10	721	-5	45.0625	40.0625
16146	4	730	2	45.625	47.625
16147	-6	866	-3	54.125	51.125
16149	-13	722	-6.5	45.125	38.625
16150	10	920	5	57.5	62.5
16151	9	877	4.5	54.8125	59.3125
16152	22	746	11	46.625	57.625
16153	6	981	3	61.3125	64.3125
16154	-14	950	-7	59.375	52.375
16155	-6	921	-3	57.5625	54.5625
16157	0	919	0	57.4375	57.4375

16158	-13	809	-6.5	50.5625	44.0625
16159	12		6	0	6
16161	-2		-1	0	-1
17002	58	1009	29	63.0625	92.0625
17003	51		25.5	0	25.5
17004	6		3	0	3
17005	6	988	3	61.75	64.75
17007	-7		-3.5	0	-3.5
17008	-2	973	-1	60.8125	59.8125
17009	-9	1068	-4.5	66.75	62.25
17010	22		11	0	11
17012	42	865	21	54.0625	75.0625
17014	8	871	4	54.4375	58.4375
17015	14	622	7	38.875	45.875
17017	25		12.5	0	12.5
17018	14		7	0	7
17019	4	906	2	56.625	58.625
17020	-2	907	-1	56.6875	55.6875
17021	1	817	0.5	51.0625	51.5625
17022	-3	793	-1.5	49.5625	48.0625
17023	20	950	10	59.375	69.375
17024	10	778	5	48.625	53.625
17026	2	777	1	48.5625	49.5625
17027	16	879	8	54.9375	62.9375
17028	15	792	7.5	49.5	57
17029	6	826	3	51.625	54.625
17030	31	993	15.5	62.0625	77.5625
17033	16	935	8	58.4375	66.4375
17035	-3	865	-1.5	54.0625	52.5625
17036	-7	867	-3.5	54.1875	50.6875
17037	-26	894	-13	55.875	42.875
17038	-10	888	-5	55.5	50.5
17039	14		7	0	7
17040	-26		-13	0	-13
17041	6	1050	3	65.625	68.625
17042	3		1.5	0	1.5
17043	-9	699	-4.5	43.6875	39.1875
17044	-6	824	-3	51.5	48.5
17046	14	895	7	55.9375	62.9375
17048	18	845	9	52.8125	61.8125
17049	9	770	4.5	48.125	52.625

17050	13	853	6.5	53.3125	59.8125
17051	10	790	5	49.375	54.375
17052	11	886	5.5	55.375	60.875
17055	3	811	1.5	50.6875	52.1875
17056	3	855	1.5	53.4375	54.9375
17057	3		1.5	0	1.5
17058	22	865	11	54.0625	65.0625
17059	-3		-1.5	0	-1.5
17060	-5		-2.5	0	-2.5
17061	1		0.5	0	0.5
17063	-2	948	-1	59.25	58.25
17064	-2	794	-1	49.625	48.625
17065	4	863	2	53.9375	55.9375
17066	5	749	2.5	46.8125	49.3125
17067	2	698	1	43.625	44.625
17068	-18	884	-9	55.25	46.25
17069	19	660	9.5	41.25	50.75
17070	-32	877	-16	54.8125	38.8125
17071	14	913	7	57.0625	64.0625
17072	-22	725	-11	45.3125	34.3125
17073	-3	768	-1.5	48	46.5
17074	23	928	11.5	58	69.5
17075	28	924	14	57.75	71.75
17076	37	998	18.5	62.375	80.875
17077	-8	967	-4	60.4375	56.4375
17078	39	932	19.5	58.25	77.75
17079	14	873	7	54.5625	61.5625
17080	14	865	7	54.0625	61.0625
17081	6	892	3	55.75	58.75
17082	11	1058	5.5	66.125	71.625
17083	20	866	10	54.125	64.125
17084	42	1015	21	63.4375	84.4375
17085	-2	961	-1	60.0625	59.0625
17086	-2	834	-1	52.125	51.125
17088	6	954	3	59.625	62.625
17089	4	862	2	53.875	55.875
17090	2	1017	1	63.5625	64.5625
17091	15	836	7.5	52.25	59.75
17092	25	1017	12.5	63.5625	76.0625
17093	12	967	6	60.4375	66.4375
17094	20	927	10	57.9375	67.9375

17095	-10	875	-5	54.6875	49.6875
17096	4	1021	2	63.8125	65.8125
17097	10	896	5	56	61
17098	-5	889	-2.5	55.5625	53.0625
17099	-20	860	-10	53.75	43.75
17100	-7	809	-3.5	50.5625	47.0625
17101	6	1015	3	63.4375	66.4375
17102	0	786	0	49.125	49.125
17103	-14	881	-7	55.0625	48.0625
17104	16	905	8	56.5625	64.5625
17105	7	870	3.5	54.375	57.875
17106	11	874	5.5	54.625	60.125
17107	3	978	1.5	61.125	62.625
17108	4	880	2	55	57
17109	-3	910	-1.5	56.875	55.375
17111	-5	850	-2.5	53.125	50.625
17112	11	792	5.5	49.5	55
17113	-2	986	-1	61.625	60.625
17114	14	1071	7	66.9375	73.9375
17115	-1	826	-0.5	51.625	51.125
17116	-10	894	-5	55.875	50.875
17117	13	920	6.5	57.5	64
17118	-8	1106	-4	69.125	65.125
17119	7	887	3.5	55.4375	58.9375
17120	7	1005	3.5	62.8125	66.3125
17121	7	908	3.5	56.75	60.25
17122	24	1020	12	63.75	75.75
17123	13		6.5	0	6.5
17124	11	892	5.5	55.75	61.25
17127	14	814	7	50.875	57.875
17128	28	858	14	53.625	67.625
17129	-26	874	-13	54.625	41.625
17131	8	1038	4	64.875	68.875
17132	-9	942	-4.5	58.875	54.375
17136	-18	938	-9	58.625	49.625
17137	3	833	1.5	52.0625	53.5625
17138	-15	835	-7.5	52.1875	44.6875
17140	0	851	0	53.1875	53.1875
17141	5	870	2.5	54.375	56.875
17142	-1	924	-0.5	57.75	57.25
17143	-2	855	-1	53.4375	52.4375

17144	-6	850	-3	53.125	50.125
17145	10	808	5	50.5	55.5
17147	-1	891	-0.5	55.6875	55.1875
17148	1	883	0.5	55.1875	55.6875
17149	24	915	12	57.1875	69.1875
17150	0	847	0	52.9375	52.9375
17151	-1	844	-0.5	52.75	52.25
17152	-14	769	-7	48.0625	41.0625
17153	1	867	0.5	54.1875	54.6875
17154	0	895	0	55.9375	55.9375
17155	-7	827	-3.5	51.6875	48.1875
17156	17	814	8.5	50.875	59.375
17157	14	964	7	60.25	67.25
17158	-17	797	-8.5	49.8125	41.3125
17159	6	1011	3	63.1875	66.1875
17162	18	843	9	52.6875	61.6875
17163	3	668	1.5	41.75	43.25
17164	-10	936	-5	58.5	53.5
17165	5	773	2.5	48.3125	50.8125
17166	14	925	7	57.8125	64.8125
17167	8	832	4	52	56
17168	-6	846	-3	52.875	49.875
17171	8	798	4	49.875	53.875
17172	6	841	3	52.5625	55.5625
17173	-10	803	-5	50.1875	45.1875
17174	0	851	0	53.1875	53.1875
17175	-1	898	-0.5	56.125	55.625
17176	-8		-4	0	-4
17179	21	1017	10.5	63.5625	74.0625
17190	-3	946	-1.5	59.125	57.625
18005	3	735	1.5	45.9375	47.4375
19031	1	1006	0.5	62.875	63.375
19032	-7	903	-3.5	56.4375	52.9375
19033	12	1036	6	64.75	70.75
19037	7	1004	3.5	62.75	66.25
19045	15		7.5	0	7.5
19046	18	985	9	61.5625	70.5625
19047	32		16	0	16
19048	30	897	15	56.0625	71.0625
19053	7	849	3.5	53.0625	56.5625
19054	7	899	3.5	56.1875	59.6875

19056	-17	844	-8.5	52.75	44.25
20004	4	809	2	50.5625	52.5625
20008	30	1131	15	70.6875	85.6875
20009	18		9	0	9
20012	2	780	1	48.75	49.75
20013	9	942	4.5	58.875	63.375
20015	44	1021	22	63.8125	85.8125
20017	11	973	5.5	60.8125	66.3125
20018	18	981	9	61.3125	70.3125
20019	-10	904	-5	56.5	51.5
20022	7		3.5	0	3.5
20024	5		2.5	0	2.5
20026	4	1016	2	63.5	65.5
20027	7	780	3.5	48.75	52.25
20029	17	904	8.5	56.5	65
20032	9	1010	4.5	63.125	67.625
20033	11	799	5.5	49.9375	55.4375
20034	22	916	11	57.25	68.25
20035	3	926	1.5	57.875	59.375
20037	-6		-3	0	-3
20041	19	1056	9.5	66	75.5
20045	25	1044	12.5	65.25	77.75
20046	16	896	8	56	64
20048	14		7	0	7
20049	39	888	19.5	55.5	75
20052	31	901	15.5	56.3125	71.8125
20055	-5	870	-2.5	54.375	51.875
20060	14	946	7	59.125	66.125
20063	10	1074	5	67.125	72.125
20065	19	970	9.5	60.625	70.125
20067	7	835	3.5	52.1875	55.6875
20071	1	915	0.5	57.1875	57.6875
20072	13	993	6.5	62.0625	68.5625
20075	18	940	9	58.75	67.75
20076	26	1082	13	67.625	80.625
20077	14	857	7	53.5625	60.5625
20078	12	1052	6	65.75	71.75
20079	13	999	6.5	62.4375	68.9375
20081	19	840	9.5	52.5	62
20082	-6	791	-3	49.4375	46.4375
20085	2	815	1	50.9375	51.9375

20087	1	969	0.5	60.5625	61.0625
20090	30	960	15	60	75
20095	7		3.5	0	3.5
20097	16	957	8	59.8125	67.8125
20099	48	908	24	56.75	80.75
20100	60		30	0	30
20102	25	1131	12.5	70.6875	83.1875
20104	31	1056	15.5	66	81.5
20107	22	1030	11	64.375	75.375
20110	-10	808	-5	50.5	45.5
20111	-20	652	-10	40.75	30.75
20114	14	855	7	53.4375	60.4375
20115	18	939	9	58.6875	67.6875
20118	18	837	9	52.3125	61.3125
20119	-6	863	-3	53.9375	50.9375
20121	18	873	9	54.5625	63.5625
20122	-4	795	-2	49.6875	47.6875
20124	10	881	5	55.0625	60.0625
20127	-1	751	-0.5	46.9375	46.4375
20132	8	899	4	56.1875	60.1875
20135	15	859	7.5	53.6875	61.1875
20138	26	764	13	47.75	60.75
20142	2		1	0	1
20143	22	769	11	48.0625	59.0625
20148	-11	775	-5.5	48.4375	42.9375
20155	25	792	12.5	49.5	62
20169	19	1018	9.5	63.625	73.125
20171	-4	738	-2	46.125	44.125
20173	36	1028	18	64.25	82.25
20174	30	910	15	56.875	71.875
20175	34	939	17	58.6875	75.6875
20176	43	834	21.5	52.125	73.625
20177	36	779	18	48.6875	66.6875
20180	-5	1004	-2.5	62.75	60.25
20181	0	933	0	58.3125	58.3125
20182	0	984	0	61.5	61.5
20185	5	818	2.5	51.125	53.625
20189	17	1007	8.5	62.9375	71.4375
20190	9	1110	4.5	69.375	73.875
20191	10	956	5	59.75	64.75
20192	9	818	4.5	51.125	55.625

20194	8	1002	4	62.625	66.625
20195	8	1020	4	63.75	67.75
20199	-14		-7	0	-7
20202	7	1008	3.5	63	66.5
20205	40	1046	20	65.375	85.375
20207	-4	777	-2	48.5625	46.5625
20213	17		8.5	0	8.5
20217	14	811	7	50.6875	57.6875
20227	9	783	4.5	48.9375	53.4375
20229	-9	1053	-4.5	65.8125	61.3125
20230	14	1085	7	67.8125	74.8125
20231	-6	830	-3	51.875	48.875
20232	13	992	6.5	62	68.5
20237	4	946	2	59.125	61.125
20247	5	1053	2.5	65.8125	68.3125
20248	12	859	6	53.6875	59.6875
20251	11	845	5.5	52.8125	58.3125
20256	-6	859	-3	53.6875	50.6875
20257	-3	871	-1.5	54.4375	52.9375
20259	9	892	4.5	55.75	60.25
20262	46	832	23	52	75
20263	-4		-2	0	-2
20264	2	861	1	53.8125	54.8125
20265	47	1150	23.5	71.875	95.375
20266	10	923	5	57.6875	62.6875
20268	28	922	14	57.625	71.625
20270	-1	830	-0.5	51.875	51.375
20272	22	949	11	59.3125	70.3125
20273	46	1026	23	64.125	87.125
20276	7	1120	3.5	70	73.5
20277	2	747	1	46.6875	47.6875
20282	2	739	1	46.1875	47.1875
20285	5	818	2.5	51.125	53.625
20286	-9		-4.5	0	-4.5
20290	8	875	4	54.6875	58.6875
20298	18	926	9	57.875	66.875
20301	38	805	19	50.3125	69.3125
20302	-7	765	-3.5	47.8125	44.3125
20306	-2	584	-1	36.5	35.5
20309	6	911	3	56.9375	59.9375
20310	6	770	3	48.125	51.125

20312	46	engineering	NA	NA	46
20314	31	engineering	NA	NA	31
20316	12	1063	6	66.4375	72.4375
20318	6	743	3	46.4375	49.4375
20328	-3	777	-1.5	48.5625	47.0625
20329	14	741	7	46.3125	53.3125
20332	13	1002	6.5	62.625	69.125
20337	83	engineering	NA	NA	83
20338	7	756	3.5	47.25	50.75
20344	12	820	6	51.25	57.25
20348	-8	642	-4	40.125	36.125
20349	-18	837	-9	52.3125	43.3125
20353	36	890	18	55.625	73.625
20355	22	959	11	59.9375	70.9375
20357	20		10	0	10
20359	7	892	3.5	55.75	59.25
20366	29	909	14.5	56.8125	71.3125
20368	9	639	4.5	39.9375	44.4375
20380	-5	780	-2.5	48.75	46.25
20398	18	931	9	58.1875	67.1875
20399	-4	813	-2	50.8125	48.8125
20401	-14	924	-7	57.75	50.75
20403	-3	1026	-1.5	64.125	62.625
20404	11	948	5.5	59.25	64.75
20405	6		3	0	3
20406	23	1007	11.5	62.9375	74.4375
20407	5	955	2.5	59.6875	62.1875
20408	23	959	11.5	59.9375	71.4375
20409	26	877	13	54.8125	67.8125
20410	4	911	2	56.9375	58.9375
20412	14	825	7	51.5625	58.5625
20413	22	834	11	52.125	63.125
20414	3	758	1.5	47.375	48.875
20415	-7	856	-3.5	53.5	50
20416	16	1115	8	69.6875	77.6875
20417	22	866	11	54.125	65.125
20418	15	897	7.5	56.0625	63.5625
20419	-6		-3	0	-3
20420	-6		-3	0	-3
20421	10	889	5	55.5625	60.5625
20423	30	865	15	54.0625	69.0625

20425	13	801	6.5	50.0625	56.5625
20427	6	636	3	39.75	42.75
20428	31	956	15.5	59.75	75.25
20429	28	918	14	57.375	71.375
20430	27	950	13.5	59.375	72.875
20431	-6	907	-3	56.6875	53.6875
20432	2	1021	1	63.8125	64.8125
20433	-22	837	-11	52.3125	41.3125
20434	-3	1021	-1.5	63.8125	62.3125
20435	23	828	11.5	51.75	63.25
20436	-2	834	-1	52.125	51.125
20437	-6	786	-3	49.125	46.125
20439	21	1092	10.5	68.25	78.75
20440	12	962	6	60.125	66.125
20441	14	839	7	52.4375	59.4375
20442	10	1064	5	66.5	71.5
20444	-21	824	-10.5	51.5	41
20445	22	1033	11	64.5625	75.5625
20446	15	967	7.5	60.4375	67.9375
20448	14	956	7	59.75	66.75
20449	7	937	3.5	58.5625	62.0625
20450	-7	844	-3.5	52.75	49.25
20452	11	636	5.5	39.75	45.25
20454	8	1004	4	62.75	66.75
20456	14	811	7	50.6875	57.6875
20457	37	938	18.5	58.625	77.125
20458	26	1075	13	67.1875	80.1875
20459	-6	873	-3	54.5625	51.5625
20460	41	1124	20.5	70.25	90.75
20461	47	792	23.5	49.5	73
20462	22	770	11	48.125	59.125
20463	11	928	5.5	58	63.5
20465	17	894	8.5	55.875	64.375
20467	-3	916	-1.5	57.25	55.75
20468	2	896	1	56	57
20469	24	889	12	55.5625	67.5625
20471	10	822	5	51.375	56.375
20473	1	1035	0.5	64.6875	65.1875
20474	15	1025	7.5	64.0625	71.5625
20475	9	1024	4.5	64	68.5
20476	-2	756	-1	47.25	46.25

20478	15	996	7.5	62.25	69.75
20479	12	698	6	43.625	49.625
20482	7	891	3.5	55.6875	59.1875
20483	1	838	0.5	52.375	52.875
20486	8		4	0	4
20487	-1	875	-0.5	54.6875	54.1875
20488	-5	739	-2.5	46.1875	43.6875
20490	3	761	1.5	47.5625	49.0625
20492	2	969	1	60.5625	61.5625
20494	-6	930	-3	58.125	55.125
20495	32	1059	16	66.1875	82.1875
20496	-2	774	-1	48.375	47.375
20498	24	986	12	61.625	73.625
20501	-8	983	-4	61.4375	57.4375
20502	2	650	1	40.625	41.625
20503	-10	723	-5	45.1875	40.1875
20504	6	876	3	54.75	57.75
20505	8	995	4	62.1875	66.1875
20506	0	822	0	51.375	51.375
20508	15	875	7.5	54.6875	62.1875
20509	15	1119	7.5	69.9375	77.4375
20510	8	851	4	53.1875	57.1875
20511	-6	825	-3	51.5625	48.5625
20513	0	754	0	47.125	47.125
20514	20	835	10	52.1875	62.1875
20516	14	1013	7	63.3125	70.3125
20518	6	851	3	53.1875	56.1875
20519	-10	806	-5	50.375	45.375
20523	22	949	11	59.3125	70.3125
20524	17	887	8.5	55.4375	63.9375
20525	5	889	2.5	55.5625	58.0625
20527	9	830	4.5	51.875	56.375
20531	-22	862	-11	53.875	42.875
20532	-31	813	-15.5	50.8125	35.3125
20533	-14	904	-7	56.5	49.5
20534	-2	592	-1	37	36
20537	-12	763	-6	47.6875	41.6875
20538	-7	888	-3.5	55.5	52
20539	32	860	16	53.75	69.75
20540	21	1017	10.5	63.5625	74.0625
20541	-17	768	-8.5	48	39.5

20542	21	977	10.5	61.0625	71.5625
20543	7		3.5	0	3.5
20544	4	827	2	51.6875	53.6875
20546	14	957	7	59.8125	66.8125
20547	-22	809	-11	50.5625	39.5625
20549	19	921	9.5	57.5625	67.0625
20550	-4	787	-2	49.1875	47.1875
20551	-10	864	-5	54	49
20554	1	720	0.5	45	45.5
20557	-6	743	-3	46.4375	43.4375
20558	31	1030	15.5	64.375	79.875
20559	3	942	1.5	58.875	60.375
20561	-2	969	-1	60.5625	59.5625
20562	18	994	9	62.125	71.125
20563	9		4.5	0	4.5
20565	-1	990	-0.5	61.875	61.375
20566	8	813	4	50.8125	54.8125
20567	5	790	2.5	49.375	51.875
20570	-14	691	-7	43.1875	36.1875
20573	9	809	4.5	50.5625	55.0625
20574	3	922	1.5	57.625	59.125
20577	-1	864	-0.5	54	53.5
20581	57	993	28.5	62.0625	90.5625
20588	56	916	28	57.25	85.25
20590	0	798	0	49.875	49.875
20592	3	852	1.5	53.25	54.75
20593	-6	811	-3	50.6875	47.6875
20594	-2	686	-1	42.875	41.875
20595	21	695	10.5	43.4375	53.9375
20596	-1	920	-0.5	57.5	57
20597	6	795	3	49.6875	52.6875
20598	-4	791	-2	49.4375	47.4375
20600	-6	830	-3	51.875	48.875
20605	9		4.5	0	4.5
20606	18	786	9	49.125	58.125
20608	37	974	18.5	60.875	79.375
20610	10	914	5	57.125	62.125
20611	34	1050	17	65.625	82.625
20615	-1	962	-0.5	60.125	59.625
20625	7		3.5	0	3.5
20628	9	710	4.5	44.375	48.875

20629	-5	823	-2.5	51.4375	48.9375
20630	4	737	2	46.0625	48.0625
20635	10	775	5	48.4375	53.4375
20637	16	992	8	62	70
20639	13	812	6.5	50.75	57.25
20640	-2	779	-1	48.6875	47.6875
20641	9	742	4.5	46.375	50.875
20649	2	915	1	57.1875	58.1875
20653	4	904	2	56.5	58.5
20654	-14	748	-7	46.75	39.75
20656	36	1053	18	65.8125	83.8125
20658	7	947	3.5	59.1875	62.6875
20661	6	846	3	52.875	55.875
20663	32	927	16	57.9375	73.9375
20666	8	810	4	50.625	54.625
20671	0		0	0	0
20672	-3	784	-1.5	49	47.5
20676	-17	998	-8.5	62.375	53.875
20679	16	860	8	53.75	61.75
20681	-6	758	-3	47.375	44.375
20682	18	797	9	49.8125	58.8125
20684	-2	720	-1	45	44
20685	14	973	7	60.8125	67.8125
20686	-8	672	-4	42	38
20688	1	955	0.5	59.6875	60.1875
20691	-1	694	-0.5	43.375	42.875
20692	-1	855	-0.5	53.4375	52.9375
20696	21	947	10.5	59.1875	69.6875
20697	41	703	20.5	43.9375	64.4375
20700	13	965	6.5	60.3125	66.8125
20703	5	808	2.5	50.5	53
20704	-10	744	-5	46.5	41.5
20707	7	864	3.5	54	57.5
20708	-6	946	-3	59.125	56.125
20709	12		6	0	6
20713	7	954	3.5	59.625	63.125
20715	9	793	4.5	49.5625	54.0625
20718	-17	897	-8.5	56.0625	47.5625
20720	6	720	3	45	48
20721	39	942	19.5	58.875	78.375
20727	7	794	3.5	49.625	53.125

20729	-2		-1	0	-1
20731	-2	828	-1	51.75	50.75
20733	0	668	0	41.75	41.75
20737	26	1003	13	62.6875	75.6875
20738	9	815	4.5	50.9375	55.4375
20741	5	830	2.5	51.875	54.375
20745	13	754	6.5	47.125	53.625
20747	-2	817	-1	51.0625	50.0625
20750	6		3	0	3
20752	-2		-1	0	-1