

## نمره میان ترم درس فیزیک 1 نیمسال اول 90-91

دانشجویانی که نسبت به نمره ی خود تقاضای تجدید نظر دارند تا تاریخ 90/10/7 تقاضای خود را در یک برگه نوشته و به دفتر فیزیک پایه تحویل دهند. تقاضای تجدید نظر شامل نام و نام خانوادگی و نام TA میباشد.

گروه	شماره دانشجویی	1	2	3	4	5	6		نمره نهایی	
1	90103452	8	10	10	5	0	5	38	60	
1	90104521	10	10	1	0	5	7.5	33.5	55.5	
1	90104532	w	w	w	w	w	w	0	22	w
1	90104543	10	10	4	9	11	0	44	66	
1	90104565	10	10	7	9	0	8.5	44.5	66.5	
1	90104598	10	10	4	9.5	6.5	6	46	68	
1	90104605	10	10	0	0	0	0	20	42	
1	90104616	9	10	4	10	14	5	52	74	
1	90104627	ab						0	22	
1	90104638	10	10	4	3	0	6	33	55	
1	90104651	10	10	5	4	0	0	29	51	
1	90104662	9	10	6	2	7	10.5	44.5	66.5	
1	90104673	9	10	7	9	9	7.5	51.5	73.5	
1	90104684	10	10	8	2	15	9.5	54.5	76.5	
1	90104695	10	8	2	10	14	8.5	52.5	74.5	
1	90104702	10	10	4	9.5	14	8	55.5	77.5	
1	90104713	10	10	0	0	0	0	20	42	
1	90104735	10	2	3	4	1	5	25	47	
1	90104746	10	2	3	9	0	7.5	31.5	53.5	
1	90104757	6	7	6	1	2	5	27	49	
1	90104768	10	10	8	1	2	2.5	33.5	55.5	
1	90104779	10	10	6	5	5	4	40	62	
1	90104792	ab						0	22	
1	90104808	10	7	7	4	0	6	34	56	
1	90104819	6	4	9	3	0	5.5	27.5	49.5	
1	90104821	7	2	2	1	0	4	16	38	
1	90104832	10	10	2	10	6	6.5	44.5	66.5	
1	90104843	10	10	2	9	15	9.5	55.5	77.5	
1	90104854	0	0	0	0	0	0	0	22	
1	90104898	0	10	5	2	11.5	10.5	39	61	
1	90104905	10	5	4	9	7	7	42	64	
1	90104916	10	7	5	3	2	5	32	54	
1	90104949	10	10	6	9	0	2.5	37.5	59.5	
1	90104951	6	9	7	8	0	5	35	57	
1	90104984	10	10	4	5	6	7	42	64	
1	90109682	10	1	2	10	0	2.5	25.5	47.5	
2	90105067	10	10	2	4	0	4	30	52	
2	90105089	10	9	10	9.5	14	2.5	55	77	
2	90105091	10	4	8	3	2	9	36	58	

2	90105107	10	10	6	4	3	2.5	35.5	57.5	
2	90105118	10	10	5	9.5	2	5	41.5	63.5	
2	90105129	10	8	3	6	6	7	40	62	
2	90105131	5	4	3	2	1	4	19	41	
2	90105142	0	3	0	3	0	3.5	9.5	31.5	
2	90105153	9	8	10	2	0	2.5	31.5	53.5	
2	90105164	9	4	3	2	0	4.5	22.5	44.5	
2	90105175	10	10	4	10	14	2.5	50.5	72.5	
2	90105186	10	10	8	10	13	2.5	53.5	75.5	
2	90105197	10	10	10	9.5	14.5	2.5	56.5	78.5	
2	90105204	10	10	10	2	15	4.5	51.5	73.5	
2	90105215	10	10	3	3	4	2.5	32.5	54.5	
2	90105226	9	10	8	5	10	4	46	68	
2	90105237	9	10	7	3	9	7.5	45.5	67.5	
2	90105248	9	10	6	6	12	9	52	74	
2	90105259	10	0	11	2	0	6	29	51	
2	90105261	10	10	5	1	6.5	10	42.5	64.5	
2	90105272	3	10	1	2	10	3	29	51	
2	90105283	10	9	8	2	0	2.5	31.5	53.5	
2	90105294	10	10	3	3	12	9	47	69	
2	90105301	10	2	3	2	0	2.5	19.5	41.5	
2	90105312	5	0	4	2	0	9	20	42	
2	90105323	9	10	9	10	12.5	4.5	55	77	
2	90105334	10	10	4	4	12	2.5	42.5	64.5	
2	90109647	10	10	8	2	5	6.5	41.5	63.5	
2	90109839	ab						0	22	
2	90109841	9	0	4	2	0	0	15	37	
2	90109874	10	1	3	6	6	6	32	54	
2	90109885	10	10	3	9.5	11	7.5	51	73	
2	90109971	9	10	5	2	1	8.5	35.5	57.5	
2	90110161	10	1	4	9	0	0	24	46	
2	90110172	6	0	12	4	0	6	28	50	
3	90103741	4	4	5	3	1	2.5	19.5	41.5	
3	90103752	10	7	7	9	10	9.5	52.5	74.5	
3	90103763	10	4	10	0	1	7.5	32.5	54.5	
3	90103785	2	0	3	0	0	5	10	32	w
3	90103803	0	8	0	9.5	9	11	37.5	59.5	
3	90103825	0	10	8	1	4	2.5	25.5	47.5	
3	90103836	9	10	9	3	14	4	49	71	
3	90103847	10	2	3	1	1	6	23	45	
3	90103858	6	10	6	10	1	9.5	42.5	64.5	
3	90103869	10	10	4	10	0	9	43	65	
3	90103882	10	2	9	1	4	6.5	32.5	54.5	
3	90103909	10	10	8	7	10	5	50	72	
3	90103911	2	3	5	3	0	2.5	15.5	37.5	
3	90103922	10	5	4	9	0	6	34	56	
3	90103933	9	10	5	4	1	5	34	56	
3	90103955	9	10	4	9.5	3	5	40.5	62.5	
3	90103966	6	6	3	10	1	6.5	32.5	54.5	
3	90103977	0	10	6	9	0	2.5	27.5	49.5	

3	90103988	5	0	0	6	0	5	16	38	
3	90103999	0	10	7	3	2	5	27	49	
3	90104005	9	10	4	1	0	6.5	30.5	52.5	
3	90104027	9	10	4	1	0	6	30	52	w
3	90104038	10	4	4	5	0	2.5	25.5	47.5	
3	90104051	10	4	4	3	3	2.5	26.5	48.5	
3	90104113	6	4	3	0	0	0	13	35	w
3	90104124	10	0	4	9.5	1	5	29.5	51.5	
3	90104135	10	10	4	4	0	5	33	55	
3	90104146	10	4	4	3	1	1.5	23.5	45.5	
3	90104157	10	10	3	9	7	2.5	41.5	63.5	
3	90104181	9	10	3	5	1	9.5	37.5	59.5	
3	90104192	10	0	5	3	0	9.5	27.5	49.5	
3	90104208	10	4	10	3	3	9.5	39.5	61.5	
3	90104219	6	1	3	0	0	9.5	19.5	41.5	
3	90104243	10	10	4	1	1	5	31	53	
3	90110675	0	10	8	5	2	4	29	51	
4	89109179	6	3	0	3	0	2.5	14.5	36.5	
4	89110055	10	10	5	2	6	4.5	37.5	59.5	
4	90104254	10	10	3	1	0	1	25	47	
4	90104265	0	0	0	10	0	0	10	32	w
4	90104276	9	10	1	3	1	10	34	56	
4	90104287	10	10	5	2	5	2.5	34.5	56.5	
4	90104298	10	10	3	10	9	5	47	69	
4	90104305	10	10	5	2	0	10	37	59	
4	90104338	0	5	3	4	0	2.5	14.5	36.5	w
4	90104362	10	10	4	3	9	5.5	41.5	63.5	
4	90104384	10	8	3	9.5	4	3.5	38	60	
4	90104395	8	4	3	2	6	2.5	25.5	47.5	
4	90104402	10	0	6	2	0	9.5	27.5	49.5	
4	90104457	10	10	11	8	10	10.5	59.5	81.5	
4	90105001	10	10	6	2	0	6	34	56	
4	90105012	9	10	0	1	10	2.5	32.5	54.5	
4	90105023	9	5	8	3	2	8.5	35.5	57.5	
4	90105045	10	10	4	10	4.5	6	44.5	66.5	
4	90105056	10	10	10	9	11	8.5	58.5	80.5	
4	90107119	10	9	4	9	0	5	37	59	
4	90107121	10	10	3	9	3	2	37	59	
4	90107143	3	10	3	10	7	7.5	40.5	62.5	
4	90107154	10	9	5	9	5	6	44	66	
4	90107165	10	10	2	9	0	6.5	37.5	59.5	
4	90107635	0	10	3	9.5	0	1.5	24	46	
4	90107657	5	6	0	2	0	2	15	37	
4	90107668	4	10	4	3	0	5.5	26.5	48.5	
4	90107681	ab						0	22	
4	90107708	3	10	0	2	0	2.5	17.5	39.5	
4	90107719	3	10	2	1	0	0	16	38	
4	90107732	9	10	5	2	2	4	32	54	
4	90110115	10	10	1	9	0	0	30	52	
4	90110194	3	5	4	4	0	0	16	38	

4	90110234	9	4	7	9	14	7	50	72	
4	90111014	10	5	4	0	0	2.5	21.5	43.5	w
5	88109433	ab						0	22	
5	90011267	10	10	8	2	0	2.5	32.5	54.5	
5	90100358	10	10	2	1	13	0	36	58	
5	90100382	10	4	3	0	0	0	17	39	w
5	90100409	10	10	1	1	0	0	22	44	
5	90100444	10	1	3	2	0	2.5	18.5	40.5	
5	90100455	10	10	7	5	5.5	4	41.5	63.5	
5	90100477	0	10	5	9.5	2	2.5	29	51	
5	90100488	6	7	5	9.5	0	6	33.5	55.5	
5	90100499	9	10	4	10	10	8.5	51.5	73.5	
5	90100506	ab						0	22	
5	90100517	10	0	3	2	0	8.5	23.5	45.5	
5	90100528	10	4	4	4	0	3	25	47	
5	90100539	10	3	4	1	1	6	25	47	
5	90100563	9	10	7	0	10	9.5	45.5	67.5	
5	90100585	10	10	5	3	2	7	37	59	
5	90100603	10	10	1	5	0	7	33	55	
5	90100614	7	10	5	1	1	1	25	47	
5	90100625	3	10	8	9.5	8	8.5	47	69	
5	90100636	7	0	5	0	0	2.5	14.5	36.5	
5	90101535	10	10	5	10	11	15	61	83	
5	90101546	10	10	5	8	14.5	6.5	54	76	
5	90101557	10	10	6	10	13	5	54	76	
5	90101568	10	10	54	2	10	2.5	88.5	110.5	
5	90101579	0	10	3	9.5	15	5	42.5	64.5	
5	90107002	7	10	4	9	4	1	35	57	
5	90109755	9	1	6	10	0	0	26	48	
5	90109766	ab	w	w	w	w	w	0	22	w
5	90109903	9	9	2	6	2	0	28	50	
5	90109993	10	10	5	10	5	7	47	69	
5	90110245	9	10	2	10	0	5	36	58	
5	90110364	10	10	5	9.5	12	9.5	56	78	
5	90110397	8	2	3	2	0	3.5	18.5	40.5	
5	90110461	4	5	4	4	3	5.5	25.5	47.5	
5	90110856	9	10	1	10	2	6	38	60	
6	90106714	10	10	4	9.5	1	10	44.5	66.5	
6	90106736	ab						0	22	
6	90106747	8	10	4	2	15	9.5	48.5	70.5	
6	90106771	10	10	4	4	1	3	32	54	
6	90106793	10	10	5	4	15	9.5	53.5	75.5	
6	90106809	5	5	2	3	0	0	15	37	
6	90106811	10	10	2	1	3	2.5	28.5	50.5	
6	90106822	10	5	4	3	1	9.5	32.5	54.5	
6	90106833	6	10	4	9	0	5	34	56	
6	90106844	10	10	4	9	9	2.5	44.5	66.5	
6	90106855	ab						0	22	
6	90106866	10	10	10	0	15	7.5	52.5	74.5	
6	90106877	10	10	4	4	15	6	49	71	

6	90106888	9	10	4	6	10	5.5	44.5	66.5	
6	90106899	10	10	3	4	10	4	41	63	
6	90106906	10	5	2	1	0	0	18	40	w
6	90106917	10	10	11	10	1	7	49	71	
6	90106928	3	8	5	2	0	1.5	19.5	41.5	
6	90106939	10	10	6	9.5	9	8.5	53	75	
6	90106941	10	10	12	10	15	13	70	92	
6	90106952	0	10	3	8	0	5	26	48	
6	90106963	9	10	4	4	7.5	8.5	43	65	
6	90106974	0	10	6	9	12.5	0	37.5	59.5	
6	90106996	10	5	3	10	1	4	33	55	
6	90107013	0	10	5	9	15	2.5	41.5	63.5	
6	90107024	10	7	3	8	15	7.5	50.5	72.5	
6	90107035	10	10	4	9	0	4	37	59	
6	90107046	0	10	3	4	0	6.5	23.5	45.5	
6	90107057	6	8	5	2	3	2.5	26.5	48.5	
6	90107068	10	1	4	2	1	0	18	40	
6	90107079	6	10	2	3	0	3.5	24.5	46.5	
6	90107081	10	10	7	9.5	14	2.5	53	75	
6	90107092	8	10	5	10	12	3.5	48.5	70.5	
6	90107108	10	10	8	10	13.5	8.5	60	82	
6	90109936	10	10	4	6	15	5	50	72	
6	90111025	7	6	4	2	0	0	19	41	
7	90102694	0	10	6	5	13	8	42	64	
7	90102701	10	7	5	8	12	5	47	69	
7	90106085	10	10	5	10	10	9	54	76	
7	90107913	10	10	7	10	6	10	53	75	
7	90108878	7	10	6	3	14	7	47	69	
7	90109036	9	10	0	1	14	0	34	56	
7	90109047	6	6	8	0	12	3.5	35.5	57.5	
7	90109058	10	10	10	2	10.5	4	46.5	68.5	
7	90109069	6	10	3	0	14.5	9.5	43	65	
7	90109982	10	0	2	2	2	2.5	18.5	40.5	w
7	90110223	10	10	5	10	0	9	44	66	
7	90110267	7	5	5	3	0	2.5	22.5	44.5	
7	90110353	0	8	3	3	0	0	14	36	
7	90110523	10	10	6	9.5	15	11	61.5	83.5	
7	90110567	10	7	10	5	4	6	42	64	
7	90110591	10	9	4	5	0	6	34	56	
7	90110629	10	5	6	3	1	9.5	34.5	56.5	
7	90110664	10	1	6	2	0	3.5	22.5	44.5	
7	90110686	10	4	4	3	0	4	25	47	w
7	90110715	10	10	2	10	7	6	45	67	
7	90110794	8	6	4	2	0	11	31	53	
7	90110823	10	1	2	1	0	1	15	37	
7	90110834	8	10	7	9.5	1	0	35.5	57.5	
7	90110889	0	4	0	0	0	0	4	26	w
7	90111036	10	10	5	9	4	0	38	60	w
7	90111058	10	10	8	9	2	6	45	67	
7	90111069	ab						0	22	

7	90111071	3	10	4	10	1	6.5	34.5	56.5
8	90101138	0	10	7	2	1	5	25	47
8	90101149	10	10	4	3	2.5	8.5	38	60
8	90101151	10	10	5	10	15	10.5	60.5	82.5
8	90101162	10	10	5	0	10	3.5	38.5	60.5
8	90101173	10	7	5	10	15	7.5	54.5	76.5
8	90101184	10	10	11	9.5	13	0	53.5	75.5
8	90101195	10	10	13	10	15	2.5	60.5	82.5
8	90101224	ab						0	22
8	90101235	10	10	7	10	5	7	49	71
8	90101246	10	10	4	5	15	7	51	73
8	90101257	10	10	7	7	6	2.5	42.5	64.5
8	90101268	3	10	2	9	2	5	31	53
8	90101279	10	5	7	2	2	9	35	57
8	90101281	10	10	4	7	0	6	37	59
8	90101308	5	10	4	3	6	5	33	55
8	90101319	10	10	4	10	2	9.5	45.5	67.5
8	90101321	10	10	10	6	15	8.5	59.5	81.5
8	90101332	10	10	8	10	12	8.5	58.5	80.5
8	90101343	10	10	7	9	12	2.5	50.5	72.5
8	90101354	10	10	11	9	14	7.5	61.5	83.5
8	90101365	10	10	3	6	15	0	44	66
8	90101376	9	10	5	10	6	4.5	44.5	66.5
8	90101387	10	10	9	3.5	12.5	2.5	47.5	69.5
8	90101398	2	10	7	9	12	8.5	48.5	70.5
8	90101405	10	10	11	2	3	0	36	58
8	90101416	0	10	3	2	3	0	18	40
8	90101438	10	10	5	10	15	7.5	57.5	79.5
8	90101449	10	10	4	10	13.5	11.5	59	81
8	90101462	10	10	3	7	5	5	40	62
8	90101473	10	10	9	9.5	4.5	3.5	46.5	68.5
8	90101495	10	10	12	8	9	3.5	52.5	74.5
8	90101502	10	10	7	10	3	2.5	42.5	64.5
8	90101524	10	10	9	10	2	1.5	42.5	64.5
8	90106169	6	10	5	5	4	0	30	52
8	90111093	10	10	7	3	11	5	46	68
9	90101581	10	10	9	4	13	5	51	73
9	90101608	10	10	5	9	13	9.5	56.5	78.5
9	90101621	10	10	9	8	0	6	43	65
9	90101665	10	10	0	1	10	4	35	57
9	90101676	10	9	5	6	7	7.5	44.5	66.5
9	90101687	10	10	0	10	0	5	35	57
9	90101698	10	10	11	2	12	7	52	74
9	90101705	10	10	5	4	15	8	52	74
9	90101716	0	10	9	8	12	7.5	46.5	68.5
9	90101727	5	10	7	7	0	6.5	35.5	57.5
9	90101738	10	10	14	5	14	9.5	62.5	84.5
9	90101749	10	10	5	5	0	8.5	38.5	60.5
9	90101762	10	10	8	7	8	6.5	49.5	71.5
9	90101784	2.5	4	3	3	11	8.5	32	54

9	90101802	10	7	6	9	6	5	43	65	
9	90101813	10	10	13	5	14	6	58	80	
9	90101824	5	10	6	2	0	4	27	49	
9	90101835	10	5	2	3	0	2.5	22.5	44.5	
9	90101857	0	10	6	10	13	12	51	73	
9	90101868	10	10	7	4	11	5	47	69	
9	90101879	10	10	8	10	15	4	57	79	
9	90101881	10	10	9	7	14	4.5	54.5	76.5	
9	90101908	10	10	8	10	2	5.5	45.5	67.5	
9	90101919	0	10	6	8	5	5	34	56	
9	90101921	10	10	4	7	2	10	43	65	
9	90101932	10	10	1	8	4	7.5	40.5	62.5	
9	90101954	9	10	8	0	0	5	32	54	
9	90101965	10	10	0	0	2	3.5	25.5	47.5	
9	90101998	10	10	13	0	2	0	35	57	
9	90102026	10	10	6	10	10	12.5	58.5	80.5	
9	90102037	2.5	10	4	10	11	6	43.5	65.5	
9	90102048	10	8	5	10	15	5	53	75	
9	90102059	10	10	4	6	14	6.5	50.5	72.5	
9	90102072	10	10	8	4	14	7	53	75	
9	90102094	10	10	13	2	10	13.5	58.5	80.5	
9	90111082	10	10	5	9	7	6	47	69	
10	90102167	10	10	10	3	15	7.5	55.5	77.5	
10	90102178	10	10	1	2	0	5.5	28.5	50.5	
10	90102189	0	8	9	10	15	11	53	75	
10	90102207	ab	w	w	w	w	w	0	22	w
10	90102253	10	10	8	10	0	2	40	62	
10	90102264	10	10	6	7	2	5.5	40.5	62.5	
10	90102275	0	10	7	7	10	0	34	56	
10	90102304	10	10	4	7	4	5	40	62	
10	90102315	10	10	2	10	15	2	49	71	
10	90102326	10	10	3	0.5	2	3.5	29	51	
10	90102337	ab	w	w	w	w	w	0	22	w
10	90102348	10	10	9	10	13	7.5	59.5	81.5	
10	90102359	10	10	5	10	0	2	37	59	
10	90102361	2.5	3	4	1	2	7.5	20	42	
10	90102383	10	10	5	5	15	7	52	74	
10	90102394	10	10	5	9	0	8.5	42.5	64.5	
10	90102401	5	10	8	10	13	7.5	53.5	75.5	
10	90102445	10	10	7	7	6	8.5	48.5	70.5	
10	90102456	0	8	3	4	0	7	22	44	
10	90102467	10	8	5	3	5	3	34	56	
10	90102478	10	10	4	0	10	4	38	60	
10	90102489	0	10	5	10	2	7.5	34.5	56.5	
10	90102507	10	10	8	8	15	11.5	62.5	84.5	
10	90102518	10	10	11	10	7	6	54	76	
10	90102529	2.5	10	5	2	15	4.5	39	61	
10	90102531	10	10	12	10	12	8.5	62.5	84.5	
10	90102542	5	10	6	4	15	8	48	70	
10	90102553							0	22	

10	90102564	10	10	7	1	0	4.5	32.5	54.5	
10	90102575	ab						0	22	
10	90102586	10	10	8	1	15	7	51	73	
10	90102597	10	10	2	2	3	9	36	58	
10	90102615	10	10	5	10	15	10.5	60.5	82.5	
10	90102626	10	0	4	3	2	0	19	41	
10	90110931	2.5	10	3	10	10	7.5	43	65	
11	90102712	10	10	4	1	1	9.5	35.5	57.5	
11	90102745	0	10	10	1	12	3.5	36.5	58.5	
11	90102778	10	9	1	1	0	7	28	50	
11	90102818	10	10	9	3	0	11	43	65	
11	90102886	10	10	2	6	3	6	37	59	
11	90102897	7.5	10	10	4	4	5.5	41	63	
11	90102915	10	10	0	10	12	12.5	54.5	76.5	
11	90102937	10	5	9	2	0	1	27	49	
11	90102948	10	10	11	33	7	7.5	78.5	100.5	
11	90102961	10	0	3	4	2	3	22	44	
11	90102983	5	10	0	0	5	0	20	42	
11	90102994	0	4	7	0	0	6	17	39	
11	90103011	10	10	8	3	10	8.5	49.5	71.5	
11	90103033	0	4	1	2	0	0	7	29	
11	90103044	0	10	4	1	4	6	25	47	
11	90103066	10	10	2	2	2	3	29	51	
11	90103077	0	10	7	1	6	4	28	50	
11	90103099	0	10	3	1	7	3.5	24.5	46.5	
11	90103106	0	10	8	3	1	5	27	49	
11	90103117	2.5	10	9	6	15	8.5	51	73	
11	90103128	10	0	2	1	0	3.5	16.5	38.5	
11	90103152	10	10	3	10	13	10	56	78	
11	90103163	5	10	7	3	3	3.5	31.5	53.5	
11	90103174	10	10	6	0	4	7	37	59	
11	90103196	10	10	12	2	8	6	48	70	
11	90103203	5	6	7	2	3	6.5	29.5	51.5	
11	90103214	2.5	7	3	1	0	6.5	20	42	
11	90103236	2.5	9	5	2	0	3.5	22	44	
11	90103258	10	4	6	2	2	5	29	51	
11	90103269	5	10	4	9	10	3.5	41.5	63.5	
11	90103271	10	0	2	1	4.5	5	22.5	44.5	
11	90103282	2.5	10	6	8	8.5	10.5	45.5	67.5	
11	90103311	10	10	6	10	2	12	50	72	
11	90103322	2.5	9	3	2	0	9	25.5	47.5	
11	90103333	10	5	3	0	3	9.5	30.5	52.5	
11	90109947	10	10	8	10	14	11.5	63.5	85.5	
11	90110097	10	0	0	1	0	3.5	14.5	36.5	w
12	90102101	2.5	10	4	10	12.5	8	47	69	
12	90102123	10	10	10	8	10	6	54	76	
12	90102134	ab						0	22	
12	90102145	10	5	5	1	0	6	27	49	
12	90102156	0	10	0	0	0	4.5	14.5	36.5	
12	90102637	10	5	7	2	1	0	25	47	

12	90102648	10	10	8	1	0	5	34	56
12	90102661	10	9	4	9	12	8	52	74
12	90102672	10	10	11	3	5	6	45	67
12	90102683	0	10	6	1	12	3.5	32.5	54.5
12	90103344	10	10	4	4	0	6	34	56
12	90103355	10	10	9	10	15	8.5	62.5	84.5
12	90103366	10	10	6	10	12	3.5	51.5	73.5
12	90103377	10	10	2	3	7	7	39	61
12	90103388	10	5	3	1	0	4	23	45
12	90103399	10	10	7	2	8	2.5	39.5	61.5
12	90103428	2.5	10	4	1	15	3.5	36	58
12	90103463	10	7	10	6	6	5	44	66
12	90103474	7.5	10	9	3	11	7.5	48	70
12	90103525	0	10	4	5	11	4	34	56
12	90103536	10	10	3	10	0	9.5	42.5	64.5
12	90103547	10	10	3	0	4	10.5	37.5	59.5
12	90103569	10	8	7	2	5	5	37	59
12	90103582	10	0	4	1	15	9.5	39.5	61.5
12	90103593	10	10	5	1	2	3.5	31.5	53.5
12	90103609	0	6	3	4	3	4	20	42
12	90103611	2.5	110	1	0	0	0	113.5	135.5
12	90103644	10	10	4	6	0	7	37	59
12	90103655	10	10	3	9	7	6	45	67
12	90103666	10	10	5	1	2	7.5	35.5	57.5
12	90103688	10	10	10	1	13	6	50	72
12	90103699	10	10	3	2	0	5	30	52
12	90103717	10	9	5	2	6	9.5	41.5	63.5
12	90103728	10	10	6	1	2	4.5	33.5	55.5
12	90110891	10	10	12	4	7	8.5	51.5	73.5
12	90110942	2.5	10	6	9	15	5	47.5	69.5
13	90103677	10	10	7	4	2	6.5	39.5	61.5
13	90103706	10	0	7	3	0	2.5	22.5	44.5
13	90107754	10	10	3	0	5	5	33	55
13	90107765	5	10	3	3	6	3.5	30.5	52.5
13	90107776	0	0	4	1	3	2	10	32
13	90107798	10	0	7	1	10	7	35	57
13	90107805	0	10	8	0	9	1.5	28.5	50.5
13	90107816	2.5	6	3	3	9	3.5	27	49
13	90107827	10	10	11	2	10	8	51	73
13	90107849	5	7	7	2	10	9.5	40.5	62.5
13	90107851	10	10	6	4	2	3.5	35.5	57.5
13	90107862	10	10	9	3	10	6.5	48.5	70.5
13	90107873	9	10	4	4	2	1	30	52
13	90107884	10	8	0	10	7	8.5	43.5	65.5
13	90107895	10	0	3	7	0	6.5	26.5	48.5
13	90107902	10	9	2	1	6	0	28	50
13	90107924	10	5	5	0	0	2.5	22.5	44.5
13	90107935	10	10	7	2	0	3	32	54
13	90107957	10	8	4	0	2	6.5	30.5	52.5
13	90107968	7.5	10	4	1	3	1	26.5	48.5

13	90107992	10	10	10	3	7	5	45	67	
13	90108007	10	10	6	4	2	3.5	35.5	57.5	
13	90108018	10	10	4	1	0	3	28	50	
13	90108029	2.5	0	1	1	3	4	11.5	33.5	
13	90108031	2.5	5	1	1	0	2.5	12	34	
13	90108042	10	4	1	1	0	4	20	42	
13	90108053	5	5	2	1	5	5	23	45	
13	90108064	0	5	4	2	2	1	14	36	
13	90108075	10	10	9	10	3	0	42	64	
13	90108086	10	10	7	7	11	9.5	54.5	76.5	
13	90108104	10	10	12	1	15	3.5	51.5	73.5	
13	90108115	10	10	5	4	15	0	44	66	
13	90108137	10	10	4	1	7	8.5	40.5	62.5	
13	90108148	5	10	4	1	0	3	23	45	
13	90110653	2.5	4	11	7	0	7.5	32	54	
13	90110953	10	10	5	9	3	12	49	71	
14	90100069	10	5	6	3	8	0	32	54	
14	90100071	10	10	9	8	0	8	45	67	
14	90100082	10	10	8	3	11	6.5	48.5	70.5	
14	90100093	10	0	1	2	0	6.5	19.5	41.5	
14	90100109	2.5	6	5	1	2	3	19.5	41.5	
14	90100111	0	10	4	1	7	7	29	51	
14	90100155	10	0	3	2	0	6.5	21.5	43.5	
14	90100177	2.5	10	5	1	0	8	26.5	48.5	
14	90100188	5	5	2	10	6	10	38	60	
14	90100239	7.5	10	8	9	6	0	40.5	62.5	
14	90100241	ab						0	22	
14	90100252	5	4	3	3	4	1.5	20.5	42.5	
14	90100263	10	10	3	9	7	0	39	61	
14	90100274	5	0	9	10	4	0	28	50	
14	90100285	0	9	2	5	0	7	23	45	
14	90100347	10	3	3	0	0	6	22	44	
14	90103739	0	10	9	2	12	2	35	57	
14	90109082	10	10	8	8	11	7	54	76	
14	90109109	10	10	3	9	11	6	49	71	
14	90109111	10	10	1	4	0	9	34	56	
14	90109122	2.5	6	5	2	0	6.5	22	44	
14	90109144	0	2	7	4	0	0	13	35	w
14	90109177	10	0	8	2	0	1	21	43	
14	90109199	10	8	7	3	6	6.5	40.5	62.5	
14	90109206	ab	w	w	w	w	w	0	22	w
14	90109239	ab	w	w	w	w	w	0	22	w
14	90109241	ab	w	w	w	w	w	0	22	w
14	90109252	10	10	10	9	15	9.5	63.5	85.5	
14	90109263	ab	w	w	w	w	w	0	22	w
14	90109274	0	0	2	0	0	1.5	3.5	25.5	
14	90109285	10	2	0	0	0	3.5	15.5	37.5	w
14	90109296	10	0	0	1	0	3.5	14.5	36.5	w
14	90109347	ab	w	w	w	w	w	0	22	w
14	90110918	5	10	5	4	14	0	38	60	

14	90110986	0	10	10	9	15	9.5	53.5	75.5	
15	90100647	10	6	6	5	0	2	29	51	
15	90100658	2.5	10	5	3	0	6.5	27	49	
15	90100669	10	9	12	10	14	10.5	65.5	87.5	
15	90100671	0	10	9	10	15	6.5	50.5	72.5	
15	90100693	10	3	8	1	0	7.5	29.5	51.5	
15	90100709	10	9	6	2	10	7	44	66	
15	90100711	5	10	4	3	6	3	31	53	
15	90100722	5	6	3	5	2	5.5	26.5	48.5	
15	90100744	5	0	0	0	5	0	10	32	
15	90100755	10	10	8	2	2	4.5	36.5	58.5	
15	90100766	0	10	6	9	9	9.5	43.5	65.5	
15	90100777	2.5	10	7	9	4	5	37.5	59.5	
15	90100799	10	10	7	3	5	8.5	43.5	65.5	
15	90100806	10	10	5	10	5	6	46	68	
15	90100839	10	0	1	0	10	5	26	48	
15	90100874	10	10	5	6	3	13	47	69	
15	90100914	10	10	2	10	0	8	40	62	
15	90100936	10	5	7	8	0	0	30	52	
15	90100969	10	10	9	10	12	6	57	79	
15	90100982	5	10	6	10	14	4	49	71	
15	90100993	10	10	6	10	4	5	45	67	
15	90101008	10	10	8	10	15	7	60	82	
15	90101021	0	10	14	10	15	6	55	77	
15	90101032	0	0	0	2	10	5.5	17.5	39.5	
15	90101043	10	10	5	10	10	2.5	47.5	69.5	
15	90101076	10	10	7	1	0	7	35	57	
15	90101087	10	9	7	1	0	6.5	33.5	55.5	
15	90104413	10	10	4	8	4	4	40	62	
15	90108618	10	10	5	1	12	6.5	44.5	66.5	
15	90108629	10	10	8	8	14	15	65	87	
15	90108631	5	4	1	6	0	7	23	45	
15	90108653	2.5	0	2	0	0	7.5	12	34	
15	90108664	10	10	8	8	8	2	46	68	
15	90110907	ab	w	w	w	w	w	0	22	w
16	90104927	0	0	10	1	0	0	11	33	
16	90108172	10	10	5	4	11	7	47	69	
16	90108194	0	10	7	4	0	6	27	49	
16	90108201							0	22	
16	90108223	0	10	3	2	0	0	15	37	
16	90108234	10	9	7	1	10	9	46	68	
16	90108245	7.5	10	6	7	10	7	47.5	69.5	
16	90108278	10	10	0	2	4	9.5	35.5	57.5	
16	90108289	10	5	6	4	2	7	34	56	
16	90108318	ab						0	22	
16	90108329	0	10	1	1	3	8.5	23.5	45.5	
16	90108331	10	7	7	2	6	6	38	60	
16	90108342	10	10	2	3	3	7	35	57	
16	90108353	5	10	8	2	2	5	32	54	
16	90108375	2.5	10	3	9	0	6.5	31	53	

16	90108386	9	10	3	8	14	0	44	66	
16	90108397	10	10	3	0	0	6.5	29.5	51.5	
16	90108404	10	10	3	0	0	8	31	53	
16	90108437	2.5	10	4	0	0	7	23.5	45.5	
16	90108448	0	7	5	2	1	4.5	19.5	41.5	
16	90108459	2.5	10	5	10	15	4	46.5	68.5	
16	90108461	10	10	10	3	14	11	58	80	
16	90108472	10	10	3	2	0	6.5	31.5	53.5	
16	90108483	2.5	8	6	3	0	6	25.5	47.5	
16	90108494	0	6	1	3	0	7.5	17.5	39.5	
16	90108501	10	10	5	9	12	4.5	50.5	72.5	
16	90108512	2.5	10	3	10	9	6	40.5	62.5	
16	90108534	2.5	1.5	3	3	0	3.5	13.5	35.5	
16	90108556	10	10	4	2	11	8	45	67	
16	90108567	0	10	4	0	5	1	20	42	
16	90108578	10	10	6	0	0	6.5	32.5	54.5	
16	90108589	0	10	12	8	10	6.5	46.5	68.5	
16	90108591	5	4	5	2	0	2.5	18.5	40.5	
16	90108607	10	9	3	1	15	4	42	64	
17	90100122	0	10	8	0	10	1	29	51	
17	90100133	10	2	7	10	2	0	31	53	
17	90100144	5	4	6	3	2	2.5	22.5	44.5	
17	90100166	10	2	6	2	5	6.5	31.5	53.5	
17	90100199	2.5	4	9	1	7	6.5	30	52	
17	90100206	ab						0	22	
17	90100217	10	4	9	0	5	0	28	50	
17	90100228	ab	w	w	w	w	w	0	22	w
17	90100296	5	8	7	0.5	10	3.5	34	56	
17	90100303	2.5	10	7	5	5	5.5	35	57	
17	90100314	2.5	10	10	3	7	4	36.5	58.5	
17	90100325	2.5	5	3	0	0	1	11.5	33.5	
17	90100336	ab	w	w	w	w	w	0	22	w
17	90100369	2.5	7	6	1	0	0	16.5	38.5	
17	90100371	10	10	6	6	10	9.5	51.5	73.5	
17	90100393	10	5	7	2	0	0	24	46	
17	90100411	0	10	7	7	2	6	32	54	
17	90100422	2.5	4	8	3	2	7	26.5	48.5	
17	90100433	10	10	0	7	0	0	27	49	
17	90100466	2.5	0	8	7	0	3.5	21	43	
17	90100541	10	10	7	10	14	7.5	58.5	80.5	
17	90100552	10	10	3	1	7	4	35	57	
17	90100574	2.5	10	0	2	5	4.5	24	46	
17	90100596	10	0	13	9	2	10.5	44.5	66.5	
17	90107132	10	10	7	4	7	6	44	66	
17	90109003	10	6	8	9	10	5.5	48.5	70.5	
17	90110415	2.5	2	4	1	2	2.5	14	36	
18	90106725	10	10	5	4	2	4	35	57	
18	90106758	10	10	9	9	15	3.5	56.5	78.5	
18	90106769	10	10	6	7	12	5	50	72	
18	90106782	5	10	12	1	15	7.5	50.5	72.5	

18	90106985	5	10	8	10	2	4	39	61	
18	90108161	7.5	10	8	10	0	0	35.5	57.5	
18	90108183	10	9	12	10	5	9.5	55.5	77.5	
18	90108256	5	10	5	10	10	8	48	70	
18	90108267	10	10	8	3	2	8.5	41.5	63.5	
18	90108291	5	8	7	10	4	8	42	64	
18	90108307	10	10	11	2	15	8.5	56.5	78.5	
18	90108364	0	10	2	4	0	7	23	45	
18	90108415	10	0	5	3	0	4	22	44	
18	90108426	0	4	2	3	0	1.5	10.5	32.5	
18	90108523	10	10	6	2	7	4	39	61	
18	90108642	5	3	9	7	2	5.5	31.5	53.5	
18	90108772	10	10	10	9	15	6	60	82	
18	90108845	5	4	4	1	0	0	14	36	
18	90108918	7.5	10	7	1	15	0	40.5	62.5	
18	90108931	5	3	7	0	2	0	17	39	
18	90108953	0	4	7	1	12	5.5	29.5	51.5	
18	90110448	10	0	5	3	0	7	25	47	
18	90110737	0	9	5	1	0	6	21	43	w
19	90011254	0	0	4	3	4	4	15	37	
19	90103514	10	10	4	3	9	6	42	64	
19	90103558	10	9	8	2	7	4.5	40.5	62.5	
19	90103571	10	1	11	2	2	4.5	30.5	52.5	
19	90103622	0	10	4	6	2	2.5	24.5	46.5	
19	90103633	10	10	0	1	5	6.5	32.5	54.5	
19	90107216	10	6	12	6	5	3.5	42.5	64.5	
19	90107238	2.5	0	2	2	0	0	6.5	28.5	
19	90107251	10	6	6	2	2	2.5	28.5	50.5	
19	90107273	0	2	8	1	0	5	16	38	
19	90107284	10	10	10	10	10	6.5	56.5	78.5	
19	90107324	7.5	0	5	1	0	7	20.5	42.5	
19	90107346	5	10	7	3	14	4	43	65	
19	90107357	10	2	3	10	5	6	36	58	
19	90107368	10	4	2	1	0	2.5	19.5	41.5	
19	90107379	ab	w	w	w	w	w	0	22	w
19	90107381	10	5	11	6	7	6	45	67	
19	90107432	7.5	0	3	1	2	6.5	20	42	
19	90107443	10	1	5	0	0	0	16	38	
19	90107505	10	6	8	3	0	4	31	53	
19	90107516	0	10	7	3	14	8	42	64	
19	90107527	5	5	11	1	0	0	22	44	
19	90107538	10	0	10	1	0	2.5	23.5	45.5	
19	90107573	10	10	8	6	5	5	44	66	
19	90107595	5	5	7.5	2	0	1.5	21	43	
19	90109603	5	0	7	1	0	4.5	17.5	39.5	w
19	90109614	ab						0	22	
19	90109625	0	3	2	1	2	0	8	30	w
19	90109636	ab	w	w	w	w	w	0	22	w
19	90110031	10	4	0	0	0	0	14	36	w
20	90109071	0	5	8	2	2	1	18	40	w

20	90109093	0	0	2	2	0	2.5	6.5	28.5	
20	90109133	2.5	10	2	0	0	1	15.5	37.5	w
20	90109166	5	6	0	1	0	4	16	38	w
20	90109188	2.5	4	9	1	0	1.5	18	40	w
20	90109217	0	4	6	1	0	2	13	35	
20	90109228	2.5	4	8	1	4	7	26.5	48.5	
20	90109303	2.5	0	0	0	0	2.5	5	27	w
20	90109314	10	0	0	0	0	0	10	32	w
20	90109325	2.5	3	7	1	2	0	15.5	37.5	w
20	90109336	ab						0	22	
20	90109358	ab						0	22	
20	90109371	10	4	2	2	2	4.5	24.5	46.5	w
20	90109382	5	5	7	0	0	1.5	18.5	40.5	w
20	90109393	2.5	4	4	0	0	1.5	12	34	
20	90109409	2.5	0	10	0	0	3.5	16	38	
20	90109422	ab	w	w	w	w	w	0	22	w
20	90109433	10	5	9	1	0	10.5	35.5	57.5	
20	90109444	0	1	0	0	2	7	10	32	
20	90109455	ab						0	22	
20	90109466	ab	w	w	w	w	w	0	22	w
20	90109477	5	10	6	2	7	2.5	32.5	54.5	
20	90109488	5	5	0	2	0	2.5	14.5	36.5	w
20	90109499	0	6	6	4	0	1.5	17.5	39.5	
20	90109506	0	10	7	3	4	5	29	51	
20	90109517	5	0	8	1	5	0	19	41	
20	90109528	2.5	0	0	0	0	8	10.5	32.5	w
20	90109552	0	2	6	0	0	0	8	30	
20	90109563	0	0	0	0	0	2.5	2.5	24.5	w
20	90109574	ab						0	22	
20	90109585	10	10	6	4	0	0	30	52	
20	90109596	7.5	0	2	1	0	0	10.5	32.5	w
21	90100682	0	10	8	1	2	2.5	23.5	45.5	
21	90100733	10	0	5	0	0	0	15	37	
21	90100788	10	6	6	1	0	0	23	45	
21	90100817	10	6	3	3	0	7.5	29.5	51.5	
21	90100828	10	10	13	10	14	9	66	88	
21	90100841	7.5	0	12	1	8	5	33.5	55.5	
21	90100852	ab						0	22	
21	90100863	10	10	9	0	12	10.5	51.5	73.5	
21	90100885	5	10	2	1	15	4	37	59	
21	90100896	5	10	9	3	7	5	39	61	
21	90100925	10	6	5	2	7	2.5	32.5	54.5	
21	90100947	10	5	9	7	6	5	42	64	
21	90100971	2.5	10	7	2	0	2.5	24	46	
21	90101019	10	10	10	10	10	11.5	61.5	83.5	
21	90101065	10	7	5	10	15	4.5	51.5	73.5	
21	90101098	0	10	9	1	0	8.5	28.5	50.5	
21	90109914	10	10	4	2	10	8.5	44.5	66.5	
21	90110761	7.5	0	7	9	0	6.5	30	52	
22	90102723	10	10	8	1	15	7.5	51.5	73.5	

22	90102734	0	0	2	1	4	6	13	35
22	90102756	10	10	3	9	6	4	42	64
22	90102767	0	3	8	1	4	4.5	20.5	42.5
22	90102789	10	10	3	10	12	5	50	72
22	90102791	10	7	8	1	12	6	44	66
22	90102807	10	5	6	1	0	2.5	24.5	46.5
22	90102829	5	6	7	1	5	3	27	49
22	90102831	10	10	8	1	9	7	45	67
22	90102842	7.5	10	10	8	0	6	41.5	63.5
22	90102853	5	10	5	1	3	0	24	46
22	90102864	10	0	7	2	0	7.5	26.5	48.5
22	90102875	10	10	8	10	0	7	45	67
22	90102904	10	4	5	1	7	7	34	56
22	90102926	10	10	7	4	7	6	44	66
22	90102959	10	0	4	3	2	2.5	21.5	43.5
22	90102972	8	4	8	1	5	4	30	52
22	90103009	0	10	9	2	4	3	28	50
22	90103022	10	10	12	2	8	4	46	68
22	90103055	0	10	10	1	15	6.5	42.5	64.5
22	90103088	10	9	5	2	7	2.5	35.5	57.5
22	90103139	0	10	9	1	2	9	31	53
22	90103141	5	4	5	1	12	6	33	55
22	90103185	2.5	0	5	2	0	2	11.5	33.5
22	90103225	10	10	12	7	12	5.5	56.5	78.5
22	90103247	2.5	8	4	2	0	6	22.5	44.5
22	90103293	0	7	3	2	0	5	17	39
22	90103309	7.5	10	12	10	15	9	63.5	85.5
22	90103406	10	10	9	3	0	5.5	37.5	59.5
22	90103417	10	10	5	1	0	0	26	48
22	90103439	2.5	9	5	1	6	3.5	27	49
22	90103441	0	7	6	8	7	7	35	57
22	90103485	5	10	9	3	2	0	29	51
22	90103496	10	10	3	2	0	7.5	32.5	54.5
22	90103503	10	10	6	3	2	4	35	57
23	90105356	10	4	10	3	10	6	43	65
23	90105378	2.5	4	7	1	0	0	14.5	36.5
23	90105391	10	6	10	10	7	2	45	67
23	90105431	10	8	11	6	12	10.5	57.5	79.5
23	90105442	5	0	8	3	9	8.5	33.5	55.5
23	90105475	0	10	7	9	4	5.5	35.5	57.5
23	90105515	0	4	7	0	10	4	25	47
23	90105559	10	5	5	3	0	6	29	51
23	90105561	ab						0	22
23	90105583	10	10	9	1	14	8.5	52.5	74.5
23	90105601	10	6	2	0	2	6	26	48
23	90105667	10	4	3	9	4	5	35	57
23	90105678	10	4	5	3	2	0	24	46
23	90105718	10	10	8	6	10	0	44	66
23	90105729	10	5	0	1	0	5	21	43
23	90105764	10	10	7	9	10	8.5	54.5	76.5

23	90105826	10	10	5	0	7	7.5	39.5	61.5
23	90105837	5	10	9	1	0	1	26	48
23	90105848	0	10	9	10	15	5	49	71
23	90105872	10	10	7	5	12	10	54	76
23	90105912	10	10	5	0	9	5.5	39.5	61.5
23	90105967	10	0	2	9	14	6.5	41.5	63.5
23	90105978	10	10	9	6	15	8	58	80
23	90105989	5	10	4	0	0	4	23	45
23	90106006	10	10	10	9	14	10.5	63.5	85.5
23	90106017	7.5	4	10	9	0	5	35.5	57.5
23	90106039	0	3	6	7	10	6	32	54
23	90106063	0	10	12	1	7	8.5	38.5	60.5
23	90106114	10	10	5	3	0	2.5	30.5	52.5
23	90106158	2.5	10	10	6	13	6	47.5	69.5
23	90106171	10	10	12	0	15	4	51	73
23	90106182	10	10	12	4	2	8	46	68
23	90106209	10	0	10	4	15	8	47	69
24	90011241	2.5	0	0	2	0	0	4.5	26.5
24	90101202	10	10	6	10	2	5	43	65
24	90104554	2.5	4	9	8	7	7	37.5	59.5
24	90104576	10	10	13	10	15	9	67	89
24	90104587	10	10	6	1	2	5	34	56
24	90104649	0	10	5	1	2	3.5	21.5	43.5
24	90104724	10	4	7	3	3	5	32	54
24	90104781	0	10	8	10	0	1	29	51
24	90104865	2.5	8	2	1	4	0	17.5	39.5
24	90104876	2.5	7	5	1	0	1	16.5	38.5
24	90104887	2.5	0	5	1	0	3.5	12	34
24	90104938	10	10	9	3	5	10.5	47.5	69.5
24	90104962	0	0	0	0	0	0	0	22
24	90104973	10	0	4	1	0	2.5	17.5	39.5
24	90105034	10	9	8	5	15	5	52	74
24	90105078	2.5	0	6	5	2	2.5	18	40
24	90108907	10	1	12	3	0	8.5	34.5	56.5
24	90109658	ab						0	22
24	90109817	2.5	0	2	0	0	0	4.5	26.5
24	90110104	0	3	6	0	0	0	9	31
24	90110342	10	5	8	2	2	1	28	50
24	90110437	10	0	2	1	4	0	17	39
24	90110472	10	10	5	0	0	0	25	47
24	90110494	5	7	10	1	0	8	31	53
24	90110578	10	10	9	10	12	8	59	81
24	90110607	2.5	4	10	2	7	7.5	33	55
24	90110631	2.5	3	6	1	0	4	16.5	38.5
24	90110704	2.5	5	3	0	0	0	10.5	32.5
24	90110801	10	5	0	10	5	3.5	33.5	55.5
25	90101105	7.5	10	8	8	0	11.5	45	67
25	90101116	10	10	8	5	2	5	40	62
25	90101127	5	5	6	2	10	3.5	31.5	53.5
25	90101213	10	10	10	10	10	4	54	76

25	90101451	10	2	6	2	5	2.5	27.5	49.5
25	90101484	2.5	0	6	3	0	2.5	14	36
25	90101513	0	10	0	8	6	4	28	50
25	90101592	2.5	10	12	2	5	4	35.5	57.5
25	90101619	10	10	12	10	14	6	62	84
25	90101632	10	10	8	4	4	2.5	38.5	60.5
25	90101643	0	10	8	10	6	9.5	43.5	65.5
25	90101654	10	10	9	7	7	6	49	71
25	90101751	2.5	10	9	3	7	2.5	34	56
25	90101773	10	10	10	5	10	11.5	56.5	78.5
25	90101795	2.5	3	5	1	0	5	16.5	38.5
25	90101846	10	10	13	10	15	10.5	68.5	90.5
25	90101892	10	10	10	10	15	10	65	87
25	90101943	7.5	10	10	7	15	4	53.5	75.5
25	90101976	10	10	4	1	10	4.5	39.5	61.5
25	90101987	10	10	8	8	14	4.5	54.5	76.5
25	90102004	2.5	7	6	3	0	2.5	21	43
25	90102015	0	10	13	10	15	7.5	55.5	77.5
25	90102061	5	5	5	10	0	3.5	28.5	50.5
25	90102083	10	10	0	0	2	2.5	24.5	46.5
25	90102112	0	10	6	1	2	7.5	26.5	48.5
25	90102191	0	8	4	5	4	6.5	27.5	49.5
25	90102218	10	10	14	3	15	9.5	61.5	83.5
25	90102231	2.5	4	4	2	7	7.5	27	49
25	90102242	0	5	12	3	5	7.5	32.5	54.5
25	90102286	0	4	4	3	0	2.5	13.5	35.5
25	90102297	10	10	13	8	12	9.5	62.5	84.5
25	90102372	10	10	10	2	2	3.5	37.5	59.5
25	90102412	10	10	8	2	0	2.5	32.5	54.5
25	90102423	10	10	6	7	15	5.5	53.5	75.5
25	90110878	10	3	5	7	2	6	33	55
25	90110997	6	10	10	2	5	2	35	57
26	90102434	0	10	11	1	10	1	33	55
26	90102491	10	10	12	9	15	8	64	86
26	90102604	10	10	9	10	15	4.5	58.5	80.5
26	90102659	5	10	8	3	10	7.5	43.5	65.5
26	90106244	0	6	7	5	2	1	21	43
26	90106266	0	5	7	2	0	6	20	42
26	90106306	10	8	6	9	0	7	40	62
26	90106352	10	7	9	10	2	7	45	67
26	90106396	2.5	6	6	1	0	5	20.5	42.5
26	90106458	2.5	10	5	4	7	7	35.5	57.5
26	90106511	10	10	8	5	0	6	39	61
26	90106522	2.5	10	8	10	15	5.5	51	73
26	90106606	10	10	8	1	10	5	44	66
26	90106685	10	10	11	2	2	11.5	46.5	68.5
26	90107198	10	0	7	0.5	0	5	22.5	44.5
26	90107205	10	5	7	1	0	2.5	25.5	47.5
26	90107227	10	9	6	10	11	5.5	51.5	73.5
26	90107249	5	10	11	10	15	4	55	77

26	90107262	10	10	4	10	10	11.5	55.5	77.5	
26	90107302	10	10	9	0	11	2.5	42.5	64.5	
26	90107313	10	0	4	2	10	7	33	55	
26	90107335	9	10	5	2	3	3.5	32.5	54.5	
26	90107392	2.5	10	3	10	15	4.5	45	67	
26	90107408	10	10	9	7	7	9	52	74	
26	90107787	10	4	6	1	0	3.5	24.5	46.5	
26	90107838	10	3	8	1	0	0	22	44	
26	90107946	7.5	4	8	3	0	0	22.5	44.5	
26	90107979	5	5	10	8	0	7	35	57	
26	90107981	0	5	5	1	5	0	16	38	
26	90108097	10	0	6	3	5	5.5	29.5	51.5	
26	90108126	0	6	5	0	2	1.5	14.5	36.5	
26	90108212	5	10	4	2	7	10	38	60	
26	90109852	10	6	12	10	11	3.5	52.5	74.5	
26	90110007	10	10	13	10	12	11.5	66.5	88.5	
26	90110556	9	4	9	10	2	0	34	56	
26	90110975	10	10	7	8	2	0	37	59	w
27	89103465	ab						0	22	
27	90103774	10	10	7	4	14	7	52	74	
27	90103796	2.5	4	8	3	15	1.5	34	56	
27	90103814	2.5	10	6	5	6	4.5	34	56	
27	90103871	2.5	10	6	0.5	15	10.5	44.5	66.5	
27	90103893	0	10	9	9	15	7	50	72	
27	90103944	10	10	7	6	10	4	47	69	
27	90104016	10	9	4	1	12	6.5	42.5	64.5	
27	90104049	0	7	4	1	0	2.5	14.5	36.5	
27	90104062	10	3	5	1	0	0	19	41	
27	90104073	0	0	5	2	0	3.5	10.5	32.5	
27	90104084	0	7	6	1	3	0	17	39	
27	90104095	2.5	4	3	0	0	6	15.5	37.5	
27	90104102	10	10	9		70	8	107	129	
27	90104179	10	10	8	5	12	1	46	68	
27	90104221	0	10	5	2	0	9	26	48	
27	90104232	0	9	5	4	0	8	26	48	
27	90104316	0	10	8	0	15	4	37	59	
27	90104327	10	10	4	0	15	5	44	66	
27	90104349	10	10	6	10	10	2.5	48.5	70.5	
27	90104351	10	10	8	2	0	6	36	58	
27	90104373	10	5	8	0	0	6.5	29.5	51.5	
27	90104424	10	10	5	6	14	6.5	51.5	73.5	
27	90104435	10	10	8	1	2	4.5	35.5	57.5	
27	90104446	10	5	4	2	0	6.5	27.5	49.5	
27	90104468	10	10	5	2	0	1.5	28.5	50.5	
27	90104479	2.5	10	5	1	2	2.5	23	45	
27	90104481	0	9	2	4	7	4	26	48	
27	90104492	0	0	5	3	0	1	9	31	
27	90104508	10	4	6	1	12	9	42	64	
27	90104519	7.5	3	0	1	0	0	11.5	33.5	
27	90108159	10	10	13	2	0	11.5	46.5	68.5	

27	90110029	10	3	2	4	0	6	25	47	w
27	90110183	5	4	13	5	0	6.5	33.5	55.5	
27	90111003	10	10	12	3	7	1.5	43.5	65.5	
28	90105429	2.5	10	9	10	2	5	38.5	60.5	
28	90105453	0	0	0	2	0	7	9	31	
28	90105464	5	0	0	0	0	6	11	33	
28	90105486	10	10	6	1	10	4.5	41.5	63.5	
28	90105497	7.5	6	4	1	12	4	34.5	56.5	
28	90105504	10	0	3	0	4	5	22	44	
28	90105526	2.5	5	5	0	9	4.5	26	48	
28	90105537	0	7	7	2	7	4	27	49	
28	90105548	10	10	0	8	15	6	49	71	
28	90105572	10	10	7	5	0	9	41	63	
28	90105594	10	4	0	0	0	5	19	41	
28	90105612	10	10	4	3	5	1.5	33.5	55.5	
28	90105691	10	0	10	2	2	8.5	32.5	54.5	
28	90105707	10	10	6	10	12	9	57	79	
28	90105731	10	10	9	4	12	1	46	68	
28	90105742	10	10	8	7	6	5	46	68	
28	90108675	10	10	0	4	0	9.5	33.5	55.5	
28	90108686	10	10	12	4	6	8.5	50.5	72.5	
28	90108697	10	10	8	8	7	5	48	70	
28	90108704	10	10	8	0	0	7.5	35.5	57.5	
28	90108715	10	10	1	1	0	4.5	26.5	48.5	
28	90108726	0	10	4	1	7	3.5	25.5	47.5	
28	90108737	10	10	10	10	0	7	47	69	
28	90108748	10	9	6	1	0	8.5	34.5	56.5	
28	90108759	10	9	8	5	10	9	51	73	
28	90108761	10	8	6	10	4	6	44	66	
28	90109896	10	10	8	10	15	12.5	65.5	87.5	
28	90109958	ab						0	22	
28	90110075	10	10	9	3	5	4	41	63	
28	90110126	10	6	5	7	0	4	32	54	
28	90110212	10	0	2	4	5	5.5	26.5	48.5	
28	90110483	10	6	10	2	4	6	38	60	
28	90110512	5	6	4	1	6	5.5	27.5	49.5	
28	90110618	10	10	8	1	0	4.5	33.5	55.5	
28	90110929	10	10	4	7	5	10.5	46.5	68.5	
28	90111047	10	10	8	3	10	2.5	43.5	65.5	
29	90105345	10	5	5	4	0	3	27	49	
29	90105367	5	8	0	1	2	5.5	21.5	43.5	
29	90105389	10	8	6	10	10	2.5	46.5	68.5	
29	90105407	10	0	0	10	12	8.5	40.5	62.5	
29	90105418	10	2	12	9	2	9	44	66	
29	90105623	10	10	11	9	0	5	45	67	
29	90105634	10	10	10	10	0	9	49	71	
29	90105645	0	3	7	1	5	8	24	46	
29	90105656	7.5	10	7	10	0	0	34.5	56.5	
29	90105689	10	10	8	9	15	12.5	64.5	86.5	
29	90105775	10	6	5	6	7	8.5	42.5	64.5	

29	90105786	10	2	6	5	7	3.5	33.5	55.5
29	90105797	2.5	4	2	0	5	6	19.5	41.5
29	90105804	10	7	2	0	0	5.5	24.5	46.5
29	90105815	2.5	1	8	7	10	0	28.5	50.5
29	90105859	10	6	11	4	6	7	44	66
29	90105861	10	10	8	2	0	0	30	52
29	90105883	10	10	0	10	10	9.5	49.5	71.5
29	90105894	10	10	11	10	12	11.5	64.5	86.5
29	90105901	10	10	5	9	2	6.5	42.5	64.5
29	90105923	10	10	10	10	15	7.5	62.5	84.5
29	90105934	10	10	9	10	15	12.5	66.5	88.5
29	90105945	10	10	4	10	14	3.5	51.5	73.5
29	90105956	10	0	2	10	2	3.5	27.5	49.5
29	90105991	10	10	13	10	12	12.5	67.5	89.5
29	90106028	10	10	7	3	2	5.5	37.5	59.5
29	90106052	7.5	10	4	5	0	5	31.5	53.5
29	90106096	10	10	9	0	10	5	44	66
29	90106103	10	10	12	10	14	2.5	58.5	80.5
29	90106125	10	10	10	9	14	11	64	86
29	90106136	10	10	5	10	15	0	50	72
29	90106147	10	7	7	10	10	11.5	55.5	77.5
29	90106193	5	10	10	9	15	13	62	84
29	90110772	10	10	12	2	7	9.5	50.5	72.5
29	90110845	10	8	7	10	5	0	40	62
30	90106211	10	10	8	10	10	7.5	55.5	77.5
30	90106222	10	10	10	3	2	9	44	66
30	90106233	10	10	10	2	15	6	53	75
30	90106255	10	10	7	10	10	3.5	50.5	72.5
30	90106277	10	1	3	0	2	8.5	24.5	46.5
30	90106288	2.5	4	8	1	1	4.5	21	43
30	90106299	5	10	9	10	10	7.5	51.5	73.5
30	90106317	5	10	5	4	0	6	30	52
30	90106328	0	10	10	1	2	8	31	53
30	90106339	10	0	4	3	10	7.5	34.5	56.5
30	90106341	7.5	8	14	10	7	12	58.5	80.5
30	90106363	2.5	10	15	0	7	4	38.5	60.5
30	90106374	5	10	8	10	12	9.5	54.5	76.5
30	90106385	0	8	0	3	15	3.5	29.5	51.5
30	90106403	5	6	10	1	15	3.5	40.5	62.5
30	90106414	0	4	4	9	7	7.5	31.5	53.5
30	90106425	10	10	4	10	15	4.5	53.5	75.5
30	90106436	7.5	10	8	10	10	3.5	49	71
30	90106447	10	0	0	0	0	5	15	37
30	90106469	0	10	5	10	10	6	41	63
30	90106471	10	10	10	10	10	7.5	57.5	79.5
30	90106482	0	5	7	3	4	3	22	44
30	90106493	10	10	7	8	15	7	57	79
30	90106509	10	10	3	10	2	5	40	62
30	90106533	10	7	7	2	2	5	33	55
30	90106544	10	4	10	3	4	7.5	38.5	60.5

30	90106555	0	10	4	0	2	6	22	44
30	90106566	10	10	13	2	10	7	52	74
30	90106577	10	10	10	10	15	8	63	85
30	90106588	10	10	11	0	10	11.5	52.5	74.5
30	90106599	10	10	9	10	5	2.5	46.5	68.5
30	90106617	10	10	8	2	5	8.5	43.5	65.5
30	90106639	10	10	11	10	12	8	61	83
30	90106641	0	4	7	4	0	10	25	47
31	90104168	10	10	8	10	4	2.5	44.5	66.5
31	90104995	10	10	9	10	15	8	62	84
31	90105753	5	10	8	4	2	4.5	33.5	55.5
31	90106074	10	10	10	1	2	5.5	38.5	60.5
31	90106652	10	10	4	10	5	6	45	67
31	90106663	10	10	11	2	10	8.5	51.5	73.5
31	90106674	7.5	10	5	10	15	9.5	57	79
31	90106696	0	10	10	4	15	8.5	47.5	69.5
31	90106703	10	10	10	10	9	6.5	55.5	77.5
31	90107176	0	10	5	8	10	4.5	37.5	59.5
31	90107187	10	10	6	4	10	8.5	48.5	70.5
31	90108891	10	4	9	10	0	4	37	59
31	90108929	10	10	8	5	9	9.5	51.5	73.5
31	90108942	10	0	8	2	0	3.5	23.5	45.5
31	90108964	0	4	4	2	0	4	14	36
31	90108975	10	10	8	10	12	9.5	59.5	81.5
31	90108986	5	10	2	10	5	8.5	40.5	62.5
31	90108997	10	10	13	10	13	4	60	82
31	90109025	10	0	6	1	0	8.5	25.5	47.5
31	90109799	2.5	0	0	0	0	0	2.5	24.5
31	90110086	10	10	10	3	0	2.5	35.5	57.5
31	90110148	5	10	0	7	10	7	39	61
31	90110289	5	0	5	0	0	7	17	39
31	90110291	2.5	2	7	1	2	4.5	19	41
31	90110307	10	8	8	1	0	6.5	33.5	55.5
31	90110318	2.5	5	9	1	6	4	27.5	49.5
31	90110329	0	0	0	1	0	0	1	23
31	90110331	9	10	7	3	7	1.5	37.5	59.5
31	90110386	2.5	6	6	1	0	8	23.5	45.5
31	90110404	7.5	4	12	2	0	7	32.5	54.5
31	90110459	7.5	0	6	10	5	4.5	33	55
31	90110501	2.5	10	7.5	8	10	0	38	60
31	90110589	2.5	6	10	3	2	1	24.5	46.5
31	90110697	5	10	7.5	1	5	0	28.5	50.5
32	90107419	10	10	9	2	10	6	47	69
32	90107421	10	10	6	2	9	7	44	66
32	90107454	5	10	5	1	0	1	22	44
32	90107465	10	10	8	3	5	8.5	44.5	66.5
32	90107476	0	10	9	0	0	0	19	41
32	90107487	0	8	0	0	0	0	8	30
32	90107498	0	10	0	3	3	0	16	38
32	90107549	10	2	8	10	12	5	47	69

32	90107562	10	10	6	10	7	6	49	71
32	90107584	5	4	8	1	4	4	26	48
32	90107602	7.5	10	5	0	3	10	35.5	57.5
32	90107613	10	10	6	3	9	6	44	66
32	90107624	10	3	4	0	0	6	23	45
32	90107646	2.5	0	4	2	0	6	14.5	36.5
32	90107679	0	5	4	0	0	2.5	11.5	33.5
32	90107692	2.5	10	9	1	0	6	28.5	50.5
32	90107721	0	10	9	1	0	4	24	46
32	90107743	0	10	7	1	9	4.5	31.5	53.5
32	90108783	7.5	10	4	10	8	8.5	48	70
32	90108794	0	7	2	1	9	6	25	47
32	90108801	5	9	5	1	10	2.5	32.5	54.5
32	90108812	10	10	10	1	10	7	48	70
32	90108823	0	10	3	1	4	6	24	46
32	90108834	10	10	5	2	12	3.5	42.5	64.5
32	90108856	7.5	8	3	0	10	0	28.5	50.5
32	90108867	10	10	12	8	2	6.5	48.5	70.5
32	90108889	10	2	9	6	12	7	46	68
32	90110042	10	10	10	2	2	2.5	36.5	58.5
32	90110256	10	10	10	10	7	4.5	51.5	73.5
32	90110375	0	0	6	1	2	0	9	31
32	90110534	10	0	1	10	2	5	28	50
32	90110545	10	0	6	2	0	7	25	47
32	90110642	2.5	0	1	0	2	0.5	6	28
32	90110748	0	10	7	3	2	1	23	45

دفتر فیزیک پایه

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