

APPENDIX XIX

Flooded junctions (flooding hours above 15 minutes) for 5 year return period in Najafgarh basin after scenario 4

NAME	X-Coordinate	Y-Coordinate	Hours Flooded	Flood Volume(MLD)	Volume(M ³)
J_412	688667	3170211	0.57	0.15	150
J_416	688781.2	3170312	0.78	0.311	311
J_420	688893.4	3170415	0.94	0.586	586
J_424	689006.8	3170518	1.2	0.831	831
J_428	689119.2	3170620	35.08	262.418	262418
J_508	690427.4	3171578	1.26	14.971	14971
J_514	690476.7	3171488	0.85	0.226	226
J_518	690534.5	3171406	0.79	1.265	1265
J_573	691008.8	3184553	0.55	24.827	24827
J_583	691105	3170511	1.21	25.628	25628
J_591	691156.1	3170424	1.24	5.067	5067
J_597	691253.1	3170244	0.8	1.348	1348
J_601	691301.5	3170154	0.76	0.389	389
J_609	691348.9	3170063	0.75	5.242	5242
J_614	691359.4	3187122	1.3	6.027	6027
J_615	691374.6	3187008	1.01	1.214	1214
J_619	691382	3187058	7.36	8.768	8768
J_621	691396.6	3169973	0.26	0.362	362
J_622	691402.2	3187408	0.81	0.081	81
J_628	691449	3184924	0.28	0.041	41
J_645	691542.2	3186611	1.17	3.801	3801
J_657	691624.2	3177289	0.4	12.27	12270
J_677	691742.5	3175063	19.85	11.632	11632
J_686	691817.3	3183715	2.32	6.213	6213
J_705	691932.7	3168986	1.7	10.76	10760
J_715	691983.2	3168898	1.59	1.853	1853
J_717	692004.6	3173922	2.98	25.252	25252
J_722	692032.2	3168809	1.61	16.546	16546
J_746	692145	3182620	0.27	0.079	79
J_750	692158.6	3188080	33.26	86.644	86644
J_758	692226.2	3173953	0.69	1.48	1480
J_765	692249.5	3175008	1.27	5.289	5289
J_778	692336.8	3175004	1.5	4.102	4102
J_810	692466.9	3168129	3.02	8.798	8798
J_814	692495.9	3173951	3.1	28.752	28752

J_822	692536	3174987	1.25	13.002	13002
J_844	692645.3	3167887	3.27	1.484	1484
J_855	692705.4	3182120	0.4	1.399	1399
J_861	692717.4	3182137	33.2	19.347	19347
J_862	692722.3	3173954	1.3	16.015	16015
J_863	692722.3	3174932	1.83	3.465	3465
J_865	692735.2	3174969	0.94	1.216	1216
J_889	692844.8	3174969	1.79	1.562	1562
J_893	692861.8	3174321	1.46	1.339	1339
J_899	692906.6	3187067	1.93	28.309	28309
J_900	692906.7	3187219	1.2	4.387	4387
J_901	692906.9	3187371	0.85	4.166	4166
J_908	692915.2	3186184	0.45	0.686	686
J_916	692934.5	3174953	13.45	19.919	19919
J_935	693016.7	3174953	8.02	139.678	139678
J_949	693078.9	3180093	0.31	0.397	397
J_955	693097.7	3183034	0.98	51.019	51019
J_960	693117.1	3183337	0.64	14.692	14692
J_968	693133.7	3174937	2.13	4.657	4657
J_989	693231.2	3180090	6.01	64.306	64306
J_991	693239	3174937	0.48	0.038	38
J_1037	693535.9	3180092	0.89	11.471	11471
J_1046	693584.9	3186124	1.17	25.016	25016
J_1055	693630	3174893	1.58	3.271	3271
J_1057	693638.3	3172438	9.14	802.314	802314
J_1061	693650.6	3185884	0.89	5.22	5220
J_1062	693650.7	3185772	3.03	75.431	75431
J_1063	693651	3185428	0.48	2.068	2068
J_1065	693688.2	3180092	0.95	2.31	2310
J_1074	693727.4	3174893	1.41	21.182	21182
J_1080	693795	3181854	1.67	194.609	194609
J_1092	693840.6	3180093	1.04	6.76	6760
J_1170	694026	3169891	0.37	0.748	748
J_1176	694039.3	3172737	0.98	21.251	21251
J_1185	694087.6	3169949	0.71	1.37	1370
J_1210	694145.3	3180091	0.71	7.605	7605
J_1235	694228.6	3190414	32.67	4.393	4393
J_1245	694271	3170127	7.82	123.906	123906
J_1254	694297.7	3180092	3.1	84.779	84779
J_1263	694351.6	3184706	2.92	96.685	96685
J_1265	694358.5	3190059	0.67	1.83	1830

J_1273	694371	3170238	1.01	172.541	172541
J_1286	694416.7	3186127	0.88	13.162	13162
J_1291	694436.5	3189981	1.11	5.287	5287
J_1294	694443.6	3173031	4.87	231.4	231400
J_1300	694468	3185216	1.05	14.631	14631
J_1310	694521	3186723	1.66	37.053	37053
J_1332	694602.4	3180097	1.41	2.594	2594
J_1344	694659.7	3186992	1.19	20.312	20312
J_1348	694680.5	3183505	7.14	52.872	52872
J_1356	694706.6	3173410	0.39	5.515	5515
J_1363	694756.4	3183799	5.44	151.22	151220
J_1374	694795.9	3187265	0.85	12.018	12018
J_1384	694817.6	3175596	0.42	0.199	199
J_1391	694833.6	3187860	1.27	9.209	9209
J_1395	694842.4	3188162	4.63	91.347	91347
J_1400	694866.2	3174804	0.59	0.507	507
J_1407	694881.1	3188441	2.21	30.975	30975
J_1408	694881.9	3174863	1.8	4.294	4294
J_1434	694937.6	3180098	1.01	4.06	4060
J_1470	695075.4	3189691	10.71	0.228	228
J_1478	695119.6	3173366	0.79	0.509	509
J_1494	695164.9	3173225	5.76	3.474	3474
J_1500	695186.2	3173034	4.77	68.376	68376
J_1503	695210.1	3174767	0.61	1.781	1781
J_1506	695219.6	3173388	1.89	2.721	2721
J_1509	695223.5	3176092	1.52	6.767	6767
J_1515	695248	3176156	3.84	4.681	4681
J_1517	695260.4	3176191	3.32	24.218	24218
J_1533	695304.8	3173639	2.35	1.302	1302
J_1534	695305.9	3173739	1.66	6.341	6341
J_1544	695321.7	3173539	0.75	0.947	947
J_1550	695346.3	3174139	6.82	2.659	2659
J_1551	695358.9	3174240	4.76	233.122	233122
J_1566	695409.4	3174751	2.11	10.169	10169
J_1573	695443.8	3180638	1.5	10.244	10244
J_1581	695468.1	3174743	0.37	0.611	611
J_1584	695478.3	3174792	0.87	11.108	11108
J_1597	695541.7	3179625	1.5	16.929	16929
J_1598	695559.6	3179762	0.67	0.511	511
J_1621	695641.7	3175257	1.46	42.857	42857
J_1641	695757.3	3178588	18.26	7.082	7082

J_1646	695760.4	3189365	3.92	1.233	1233
J_1648	695769.5	3169071	0.68	0.214	214
J_1653	695790.5	3179005	12.33	115.218	115218
J_1700	695902.5	3169220	0.66	3.147	3147
J_1716	695982.7	3174159	0.81	32.856	32856
J_1719	696000.9	3181409	1.05	37.683	37683
J_1726	696009.8	3180579	0.71	0.968	968
J_1733	696044.8	3180599	6.31	3.895	3895
J_1739	696080	3176133	2.63	57.851	57851
J_1742	696107.2	3169440	1.07	11.746	11746
J_1743	696114	3180716	6.17	7.277	7277
J_1744	696119.1	3180515	1.54	19.321	19321
J_1749	696129.4	3180534	4.24	206.754	206754
J_1752	696143.4	3180711	4.53	1.153	1153
J_1753	696145.5	3180766	4.72	28.896	28896
J_1754	696151.8	3180727	8.14	9.162	9162
J_1760	696172	3180805	1.4	31.459	31459
J_1772	696227.5	3180846	1.72	3.192	3192
J_1777	696249.3	3169580	3.2	23.348	23348
J_1800	696333.3	3183181	2.55	134.246	134246
J_1810	696404.4	3174667	0.49	0.688	688
J_1817	696455	3176436	2.77	289.352	289352
J_1822	696490.2	3181509	0.56	0.348	348
J_1836	696592	3181917	0.56	2.515	2515
J_1845	696631.6	3172310	1.91	33.212	33212
J_1851	696655	3169864	7.17	108.723	108723
J_1858	696702.4	3174585	0.59	0.856	856
J_1860	696719	3174635	0.68	1.415	1415
J_1877	696801.6	3174635	0.3	0.054	54
J_1878	696805.4	3172188	2.09	8.333	8333
J_1894	696865.4	3172141	1.1	2.466	2466
J_1917	696978.7	3172310	0.57	0.144	144
J_1919	696986.3	3180251	2.26	29.503	29503
J_1924	697001.1	3174619	0.47	0.852	852
J_1940	697091.7	3171947	0.65	3.709	3709
J_1946	697114.9	3179697	1.79	11.205	11205
J_1949	697117.6	3174602	0.38	0.179	179
J_1955	697135	3184744	2.01	33.879	33879
J_1966	697200.4	3174602	0.27	0.608	608
J_1967	697205.3	3179407	4	56.123	56123
J_1976	697241.2	3180837	2.73	119.942	119942

J_1979	697274.9	3174127	1.33	33.159	33159
J_2000	697314	3170317	2.42	24.058	24058
J_2011	697370.7	3180190	1.81	31.529	31529
J_2020	697401.8	3170365	0.42	1.896	1896
J_2050	697515.2	3181380	0.98	7.049	7049
J_2056	697545	3185817	0.35	1.576	1576
J_2090	697697	3173713	38.27	6.773	6773
J_2091	697698.4	3173959	12.61	196.295	196295
J_2103	697712.7	3173990	5.7	4.256	4256
J_2107	697719	3174122	27.1	67.44	67440
J_2112	697730.5	3174120	2.21	1.572	1572
J_2113	697731	3183681	0.38	2.141	2141
J_2134	697768.1	3174509	1.79	3.689	3689
J_2137	697772.5	3183379	0.63	5.305	5305
J_2140	697779.5	3174509	1.5	18.182	18182
J_2160	697837.5	3173712	0.75	1.189	1189
J_2162	697842.6	3173700	1.57	8.161	8161
J_2177	697879.9	3174736	36.24	59.675	59675
J_2193	697927.4	3182323	3.99	230.668	230668
J_2209	697956.5	3182139	0.92	33.552	33552
J_2218	697972.7	3186391	2.12	0.083	83
J_2234	698005.2	3182210	0.59	29.211	29211
J_2274	698098.8	3173700	9.26	22.121	22121
J_2351	698246.2	3170897	1.56	30.781	30781
J_2375	698310.9	3174512	1.1	6.641	6641
J_2392	698346.1	3171215	0.79	17.615	17615
J_2406	698390.5	3171126	1.03	8.726	8726
J_2409	698393.5	3174512	0.86	1.647	1647
J_2421	698414.3	3179689	2.27	1.23	1230
J_2425	698423.6	3179690	1.15	1.755	1755
J_2428	698429.4	3171028	1.21	10.399	10399
J_2435	698437.5	3171033	7.24	28.787	28787
J_2451	698476.9	3179942	3.47	22.078	22078
J_2465	698502.9	3171051	1.25	4.59	4590
J_2471	698530.3	3170863	3.07	33.551	33551
J_2494	698585.8	3170780	3.16	3.529	3529
J_2497	698590.6	3174472	1.11	9.503	9503
J_2499	698590.7	3170270	1.01	27.832	27832
J_2508	698615.1	3170255	0.7	0.159	159
J_2530	698644.8	3170699	4.17	13.65	13650
J_2544	698666.2	3171170	1.31	11.846	11846

J_2558	698690.6	3174474	0.26	0.712	712
J_2566	698708.5	3174507	0.54	1.027	1027
J_2568	698713.9	3173755	5.95	25.434	25434
J_2589	698755.1	3171216	0.89	10.922	10922
J_2592	698764.8	3171197	0.68	3.467	3467
J_2597	698783.5	3170114	0.81	3.637	3637
J_2627	698841.7	3174799	0.63	1.784	1784
J_2629	698843.1	3171263	0.65	0.325	325
J_2647	698889.9	3174470	0.99	10.913	10913
J_2648	698891	3170046	0.73	2.606	2606
J_2659	698912.6	3173892	1.59	5.954	5954
J_2688	698973.9	3171306	1.67	19.1	19100
J_2691	698977.3	3179942	1.83	19.837	19837
J_2692	698977.8	3179921	0.8	1.688	1688
J_2710	699008.8	3183512	0.64	9.513	9513
J_2726	699056.2	3183540	1.12	8.78	8780
J_2728	699057.9	3171684	14.19	2.145	2145
J_2732	699062.4	3171352	0.6	1.061	1061
J_2776	699136.1	3171503	1.03	5.831	5831
J_2786	699170.3	3171429	8.6	78.177	78177
J_2949	699484.2	3174471	0.68	1.285	1285
J_2987	699539	3185289	0.43	0.189	189
J_2995	699544.9	3185472	24.17	0.378	378
J_3020	699584.2	3174472	0.54	0.458	458
J_3026	699589	3171740	1.83	22.119	22119
J_3027	699591.1	3170823	0.71	1.39	1390
J_3059	699643.3	3170766	0.53	0.671	671
J_3073	699666.3	3171804	1.2	22.446	22446
J_3078	699672.3	3185013	1.13	6.57	6570
J_3120	699755	3184931	1.76	1.669	1669
J_3144	699813.1	3184908	16.22	285.115	285115
J_3161	699852.9	3184819	2	0.355	355
J_3170	699878.2	3184817	0.44	0.048	48
J_3203	699931.4	3184720	0.66	0.154	154
J_3250	700007.8	3184505	0.94	1.582	1582
J_3265	700025.5	3184506	1.18	1.262	1262
J_3272	700037.1	3184475	0.47	0.209	209
J_3290	700057.3	3184011	0.72	0.823	823
J_3312	700074.6	3184003	1.01	0.919	919
J_3321	700079.1	3184107	0.69	0.852	852
J_3328	700087.6	3183984	1.07	0.125	125

J_3337	700092.5	3184235	0.86	1.595	1595
J_3415	700191.3	3171317	17.26	100.926	100926
J_3441	700242.7	3183856	2.09	1.758	1758
J_3464	700271.2	3184473	0.39	0.578	578
J_3466	700280	3176589	12.98	278.437	278437
J_3488	700318.7	3183780	0.91	2.498	2498
J_3506	700347.3	3171580	5.26	168.266	168266
J_3515	700366.8	3183773	1.84	3.336	3336
J_3519	700372.6	3184368	0.26	0.273	273
J_3582	700489.6	3179408	1.18	0.423	423
J_3592	700504.4	3171840	1.4	70.829	70829
J_3645	700589.2	3176247	0.38	2.49	2490
J_3653	700599.8	3183659	0.78	1.291	1291
J_3675	700631.9	3183608	1.25	6.033	6033
J_3677	700634.4	3172550	0.27	0.813	813
J_3682	700639.7	3174237	1	66.906	66906
J_3690	700652.1	3183587	1.49	1.151	1151
J_3701	700671.2	3184345	0.69	7.716	7716
J_3704	700678.6	3183601	1.55	6.434	6434
J_3705	700678.8	3176314	1.11	41.288	41288
J_3713	700687.5	3172693	0.58	13.857	13857
J_3716	700692.8	3172631	0.38	1.212	1212
J_3729	700708.7	3183563	0.72	0.505	505
J_3759	700743.3	3172717	0.47	3.707	3707
J_3832	700860.5	3183304	1.51	0.309	309
J_3847	700887.8	3183316	2.25	3.069	3069
J_3878	700953.8	3176588	4.55	126.301	126301
J_3913	701020.7	3176669	0.71	26.302	26302
J_3930	701054.4	3183220	1.55	9.591	9591
J_3948	701063.9	3183239	1.16	1.563	1563
J_3987	701136.2	3173295	0.93	12.014	12014
J_4018	701186.2	3174483	0.94	5.306	5306
J_4028	701195.3	3173375	1	2.91	2910
J_4036	701205.6	3184156	1.01	15.677	15677
J_4050	701224.2	3173455	0.74	0.224	224
J_4077	701283.5	3174536	0.75	0.747	747
J_4082	701285.9	3174485	0.88	4.33	4330
J_4142	701342.4	3175815	1.09	11.118	11118
J_4143	701342.5	3173616	0.8	1.688	1688
J_4170	701383.4	3174535	0.67	1.278	1278
J_4172	701385.7	3174486	0.67	2.179	2179

J_4188	701403.1	3177485	0.83	16.321	16321
J_4202	701432.2	3173697	1.45	32.008	32008
J_4204	701434.5	3183021	1.81	4.244	4244
J_4234	701462.7	3177785	20.66	105.037	105037
J_4262	701498.2	3179035	6.48	240.508	240508
J_4263	701499.3	3179008	1.38	19.994	19994
J_4283	701522.7	3184157	1.13	11.594	11594
J_4320	701557	3182983	3.21	6.969	6969
J_4337	701583.3	3174539	0.67	0.812	812
J_4341	701586	3173933	0.86	4.659	4659
J_4367	701613.7	3173933	1.59	9.2	9200
J_4422	701674.8	3182920	3.45	0.861	861
J_4459	701717.1	3174082	0.69	1.482	1482
J_4520	701800.6	3178802	0.5	0.906	906
J_4522	701802.8	3178836	4.1	267.373	267373
J_4565	701858.6	3182829	1.23	0.557	557
J_4586	701883	3174549	0.38	0.248	248
J_4596	701896.3	3177958	0.29	0.071	71
J_4619	701917.3	3182824	11.03	11.104	11104
J_4659	701964.2	3178399	1.3	0.306	306
J_4663	701970.7	3182763	10.15	69.61	69610
J_4677	701984	3178078	0.73	4.012	4012
J_4698	702004.5	3175177	0.82	1.842	1842
J_4700	702007.5	3175643	0.43	0.148	148
J_4702	702016.5	3183441	1.11	14.263	14263
J_4734	702057.4	3182735	0.51	0.152	152
J_4747	702074.3	3178006	2.06	3.913	3913
J_4760	702092.7	3177818	1.9	16.355	16355
J_4765	702096.1	3184018	1.7	28.666	28666
J_4803	702120.6	3178284	1.1	7.502	7502
J_4826	702147.1	3182672	0.86	1.519	1519
J_4847	702171.8	3177927	0.43	0.136	136
J_4850	702174.4	3182629	12.07	94.838	94838
J_4902	702227.3	3175086	0.54	1.143	1143
J_4915	702238.1	3174977	2.71	14.299	14299
J_4933	702259.7	3177550	0.54	0.886	886
J_4949	702266.6	3175089	1.28	3.033	3033
J_4965	702280.3	3177681	0.96	7.604	7604
J_4968	702285.8	3174493	0.65	1.174	1174
J_4987	702313.4	3183816	2.43	24.692	24692
J_5007	702334.6	3178147	1.15	14.222	14222

J_5055	702400.6	3177772	2.38	2.433	2433
J_5072	702420.7	3177769	0.68	0.312	312
J_5127	702481.9	3178295	5.58	22.194	22194
J_5132	702486.1	3175791	0.48	0.574	574
J_5164	702517.8	3182414	0.52	0.12	120
J_5171	702522.1	3177905	0.75	6.514	6514
J_5192	702541.9	3177994	0.87	4.67	4670
J_5222	702579.8	3176075	0.45	0.125	125
J_5249	702603.8	3176148	0.81	0.291	291
J_5280	702638.5	3183411	3.54	187.916	187916
J_5296	702659.3	3176316	0.74	0.919	919
J_5342	702702	3176445	0.56	0.979	979
J_5437	702846.2	3183129	4.31	88.881	88881
J_5450	702858.8	3178083	0.52	0.55	550
J_5507	702907.7	3178062	0.39	0.596	596
J_5526	702932	3176869	0.67	2.051	2051
J_5590	702989.1	3174382	3.78	2.989	2989
J_5646	703071.1	3173850	0.88	1.9	1900
J_5674	703105.1	3182993	1.39	38.316	38316
J_5693	703141.5	3172419	0.6	0.213	213
J_5703	703150.6	3172438	1.02	2.243	2243
J_5711	703153.7	3172537	0.37	0.089	89
J_5754	703192.1	3182189	0.78	1.716	1716
J_5780	703215.6	3173032	1.09	2.936	2936
J_5826	703246.7	3173276	1.39	26.178	26178
J_5874	703283.6	3176731	0.34	0.226	226
J_5876	703286.3	3173824	1.47	3.563	3563
J_5879	703286.9	3173806	0.71	1.769	1769
J_5886	703294.3	3172333	7.94	4.667	4667
J_5906	703317.1	3182095	0.68	1.131	1131
J_5915	703332.1	3174168	0.37	0.188	188
J_5925	703344.2	3174197	1.7	0.418	418
J_5928	703347.2	3173936	1.38	0.591	591
J_5929	703347.3	3174167	0.47	0.198	198
J_5931	703353.4	3174291	0.77	0.856	856
J_5934	703360.4	3174359	1.18	1.886	1886
J_5941	703371.6	3180803	0.73	5.262	5262
J_5942	703373.7	3182859	1.96	20.919	20919
J_5949	703383.5	3175721	0.77	1.732	1732
J_5957	703388.2	3175193	0.68	1.111	1111
J_5959	703393.5	3172321	0.89	1.439	1439

J_5968	703404.9	3175315	1.12	3.461	3461
J_5984	703418.7	3175561	0.84	3.682	3682
J_5988	703420.5	3175660	0.71	1.16	1160
J_6006	703445.7	3173921	1.32	4.206	4206
J_6008	703447.9	3173275	0.31	0.664	664
J_6030	703475.9	3172447	0.6	1.157	1157
J_6034	703477.1	3174384	0.55	0.232	232
J_6055	703492.8	3172309	1.06	3.211	3211
J_6088	703517.9	3175191	0.29	0.065	65
J_6092	703522	3176299	0.99	1.761	1761
J_6147	703573	3174141	0.7	1.353	1353
J_6150	703575.6	3174159	0.48	0.698	698
J_6183	703596.9	3182975	0.84	6.51	6510
J_6199	703610.8	3175719	0.84	2.308	2308
J_6202	703614.5	3173654	0.58	2.152	2152
J_6212	703620.9	3173705	0.73	1.768	1768
J_6249	703647.2	3173912	1.08	6.998	6998
J_6269	703659.6	3176190	0.7	0.777	777
J_6328	703715.7	3174351	0.76	1.069	1069
J_6350	703736.1	3175228	1.08	5.818	5818
J_6356	703742.9	3180522	0.43	3.279	3279
J_6382	703775.3	3174351	0.77	0.852	852
J_6384	703777.9	3174392	0.79	5.36	5360
J_6394	703784.3	3173651	1.71	4.209	4209
J_6441	703834.4	3181915	0.73	1.305	1305
J_6443	703836.2	3176641	1.13	5.762	5762
J_6447	703840.5	3176190	0.9	2.785	2785
J_6484	703874.6	3174340	0.72	0.629	629
J_6485	703877.2	3174380	1.15	5.703	5703
J_6494	703884.3	3173650	2.07	0.845	845
J_6495	703885.2	3173625	0.73	1.081	1081
J_6525	703902.3	3175715	0.56	1.279	1279
J_6543	703912.9	3176738	0.73	2.851	2851
J_6568	703954.5	3181884	3.16	13.274	13274
J_6597	703984.2	3173648	1.87	2.721	2721
J_6614	704000.7	3173265	0.79	8.606	8606
J_6634	704014.1	3175713	0.73	1.212	1212
J_6646	704026.6	3175184	0.53	0.369	369
J_6666	704045.3	3173643	0.79	7.218	7218
J_6694	704073.4	3174318	0.66	2.43	2430
J_6704	704083.3	3173639	1.26	6.62	6620

J_6706	704085	3173618	0.9	1.41	1410
J_6740	704121.8	3175185	0.83	1.551	1551
J_6783	704171.8	3183011	1.01	16.765	16765
J_6787	704175.3	3174346	0.8	5.009	5009
J_6791	704178	3181771	3.41	47.799	47799
J_6851	704215.5	3181782	2.85	31.972	31972
J_6858	704221.1	3176184	0.83	5.325	5325
J_6888	704274.1	3181753	3.77	0.596	596
J_6907	704284	3173599	0.65	0.535	535
J_6927	704328.6	3175178	0.89	0.702	702
J_6932	704333.1	3174849	0.44	0.437	437
J_6938	704335.7	3174871	0.97	2.116	2116
J_6955	704346.3	3175177	1.31	6.885	6885
J_6988	704364.9	3175177	0.73	0.761	761
J_7018	704381.4	3181752	6.55	10.181	10181
J_7045	704424.3	3182850	1.66	39.142	39142
J_7136	704516.3	3181777	5.37	5.346	5346
J_7164	704548.3	3173595	0.74	1.129	1129
J_7176	704554.9	3176180	0.73	1.239	1239
J_7211	704598.5	3181758	8.79	7.711	7711
J_7314	704696.1	3182724	0.71	14.834	14834
J_7320	704698.5	3175228	1.53	8.431	8431
J_7338	704711.2	3176186	0.76	2.031	2031
J_7490	704846.2	3181621	0.85	6.548	6548
J_7503	704854	3181653	0.33	0.168	168
J_7566	704906.5	3176318	0.94	3.94	3940
J_7570	704908	3176511	0.72	1.544	1544
J_7579	704919	3182566	1.21	34.318	34318
J_7605	704943.6	3175569	0.99	0.97	970
J_7694	705056.2	3175283	0.86	4.955	4955
J_7703	705066.8	3175686	1.75	2.466	2466
J_7707	705069.6	3174245	0.75	4.465	4465
J_7730	705088.7	3182748	1.05	64.333	64333
J_7731	705089	3176790	1.09	4.115	4115
J_7734	705096.4	3176210	0.87	7.75	7750
J_7767	705129.7	3175773	0.73	0.367	367
J_7797	705159.3	3175980	0.71	0.446	446
J_7798	705160.4	3176935	0.94	13.583	13583
J_7838	705209.6	3179383	1.08	1.861	1861
J_7847	705219.8	3175677	0.77	0.627	627
J_7868	705239.8	3177001	0.51	0.882	882

J_7883	705260.9	3175560	0.45	0.051	51
J_7890	705269.9	3181604	0.42	0.593	593
J_7914	705310.9	3177136	0.74	1	1000
J_7918	705318	3176614	5.17	5.063	5063
J_7927	705332.4	3179293	0.95	2.679	2679
J_7933	705336.6	3177125	0.98	7.544	7544
J_7956	705365.1	3176614	3.78	11.591	11591
J_7969	705372.5	3176649	1.86	1.292	1292
J_7978	705380.8	3175808	11.91	10.483	10483
J_8010	705426.2	3176720	1.23	0.581	581
J_8054	705455.2	3177891	1.15	3.67	3670
J_8056	705456.8	3181624	0.73	2.465	2465
J_8062	705463.6	3176743	2.52	1.222	1222
J_8064	705463.8	3176767	0.83	0.103	103
J_8067	705465.8	3175315	1.98	7.518	7518
J_8080	705477.9	3179141	0.83	3.881	3881
J_8122	705525.4	3177420	0.5	0.34	340
J_8128	705529.4	3176831	0.89	0.383	383
J_8132	705533	3177965	0.74	0.31	310
J_8168	705563.9	3176871	1.68	3.168	3168
J_8171	705568.7	3176902	1.02	0.542	542
J_8179	705573.1	3176881	0.53	0.465	465
J_8195	705583.1	3177453	0.68	1.236	1236
J_8201	705589.6	3178070	0.89	2.541	2541
J_8210	705600.2	3176643	0.43	0.065	65
J_8228	705616.8	3179079	1.19	0.836	836
J_8257	705638.5	3176402	1.02	8.015	8015
J_8272	705650.6	3177012	0.72	0.085	85
J_8285	705655.9	3176992	0.75	0.669	669
J_8360	705698.7	3177075	0.86	0.569	569
J_8373	705708.4	3178197	0.46	0.119	119
J_8376	705710.3	3177662	0.43	0.685	685
J_8384	705715.2	3176771	0.73	0.521	521
J_8391	705726.5	3178998	0.78	0.37	370
J_8405	705738.4	3176553	0.33	0.05	50
J_8423	705747.4	3175268	0.56	0.306	306
J_8440	705758.3	3180146	3.14	0.559	559
J_8444	705759.3	3175300	2.11	0.354	354
J_8456	705766	3177158	0.8	0.083	83
J_8470	705772.9	3181639	0.45	1.62	1620
J_8481	705777.9	3177156	1.44	8.252	8252

J_8489	705782.5	3177758	1.71	4.493	4493
J_8494	705789.1	3178302	0.81	0.803	803
J_8507	705801.1	3176634	0.89	1.816	1816
J_8510	705802.5	3178901	0.5	0.142	142
J_8526	705822	3177766	1.2	2.908	2908
J_8528	705822.5	3177237	0.79	1.875	1875
J_8535	705829.1	3178359	0.76	0.75	750
J_8547	705834.7	3176678	0.49	0.498	498
J_8551	705837.7	3180495	0.82	2.123	2123
J_8576	705857.4	3178473	0.67	2.119	2119
J_8614	705900.5	3176207	0.86	1.873	1873
J_8646	705927.2	3177043	0.52	0.063	63
J_8649	705928.7	3180613	0.78	4.128	4128
J_8654	705934.5	3180056	0.68	1.596	1596
J_8656	705934.9	3176786	0.27	0.013	13
J_8662	705936.9	3176251	1.53	4.774	4774
J_8668	705944.2	3177874	1.06	5.249	5249
J_8684	705959.7	3177455	0.44	0.196	196
J_8717	705996.4	3176893	1.01	1.083	1083
J_8733	706016.2	3176893	0.71	0.418	418
J_8766	706042	3176955	1.51	2.145	2145
J_8773	706046.7	3177814	0.47	0.426	426
J_8784	706059.4	3177806	1.06	4.06	4060
J_8786	706060.3	3175674	0.47	0.91	910
J_8805	706076.2	3178329	1.69	7.162	7162
J_8815	706086.9	3177868	0.75	0.583	583
J_8821	706097.6	3178176	1.3	5.055	5055
J_8825	706100.7	3177032	1.58	4.45	4450
J_8838	706112.8	3179875	3.21	15.437	15437
J_8841	706118.2	3177336	1.04	6.518	6518
J_8844	706121	3177032	0.75	0.154	154
J_8860	706134	3177929	0.73	1.196	1196
J_8865	706135.3	3178183	0.89	2.832	2832
J_8881	706153.4	3178250	0.76	1.2	1200
J_8891	706168	3178271	0.54	0.979	979
J_8902	706181.4	3177111	1.55	4.258	4258
J_8905	706184	3177694	0.71	0.334	334
J_8911	706189.6	3177141	0.52	0.017	17
J_8917	706194.5	3177687	2.67	6.613	6613
J_8922	706201.1	3177699	1.84	2.449	2449
J_8930	706208.7	3179846	1.46	0.811	811

J_8934	706213.3	3180306	0.46	0.192	192
J_8942	706220	3176636	0.69	0.368	368
J_8957	706232.5	3179931	0.71	0.258	258
J_8962	706239.8	3177202	38.41	3.639	3639
J_8966	706244.1	3175267	9.79	1.433	1433
J_8968	706245.9	3181587	0.7	1.01	1010
J_8972	706247.1	3178375	1.33	0.901	901
J_8975	706247.8	3176644	0.94	5.175	5175
J_8982	706251.6	3177517	1.25	0.239	239
J_9033	706309	3179991	38.21	4.647	4647
J_9065	706348.3	3176776	1.03	1.172	1172
J_9091	706360.5	3177151	1.27	0.578	578
J_9092	706361.1	3180920	1.72	17.267	17267
J_9095	706363.2	3180525	0.88	5.15	5150
J_9122	706375	3179694	1.26	4.776	4776
J_9127	706381.3	3177691	2.59	1.939	1939
J_9140	706392.4	3179703	1.08	2.034	2034
J_9162	706412.6	3178417	1.84	1.802	1802
J_9170	706419.8	3177107	7.28	11.204	11204
J_9201	706447.6	3176908	1.04	0.281	281
J_9207	706454.1	3180830	0.69	0.526	526
J_9227	706473.4	3180834	2.14	0.398	398
J_9242	706485.3	3181285	0.8	0.231	231
J_9250	706491	3180202	0.69	0.548	548
J_9256	706495.6	3181298	0.97	1.002	1002
J_9257	706496.3	3181106	0.41	0.218	218
J_9259	706497.8	3180463	0.51	0.4	400
J_9261	706498.7	3177012	0.8	1.43	1430
J_9266	706501.9	3177466	0.98	0.681	681
J_9267	706503.4	3177876	0.75	1.077	1077
J_9270	706506.6	3178345	14.45	3.362	3362
J_9273	706508.6	3177892	0.96	3.369	3369
J_9277	706511.3	3177887	0.95	1.474	1474
J_9282	706514.6	3177868	0.76	2.137	2137
J_9287	706519.7	3177000	1.86	8.188	8188
J_9293	706526.9	3180314	0.69	1.173	1173
J_9346	706589.2	3179746	2.58	15.028	15028
J_9359	706596.3	3177387	1.07	1.129	1129
J_9372	706610.9	3181604	1.05	3.77	3770
J_9380	706620	3178007	1.15	1.049	1049
J_9381	706621.7	3180703	28.25	1.394	1394

J_9406	706649.2	3181157	0.68	0.462	462
J_9436	706671.6	3181310	1.3	1.151	1151
J_9438	706672.9	3180293	4.85	4.823	4823
J_9443	706678.2	3180059	2.85	5.631	5631
J_9466	706705.1	3180099	0.46	0.023	23
J_9469	706710.9	3178154	0.57	1.955	1955
J_9472	706714	3181584	1.29	1.289	1289
J_9474	706715.1	3181132	0.66	0.324	324
J_9488	706730	3180017	13.52	10.847	10847
J_9489	706731	3178180	10.22	30.534	30534
J_9494	706734.3	3181389	1.09	2.346	2346
J_9495	706734.8	3180015	3.87	0.787	787
J_9504	706751.2	3180159	0.9	0.496	496
J_9525	706773	3180074	0.48	0.034	34
J_9550	706789.3	3177659	2.25	10.728	10728
J_9564	706798.3	3178286	0.91	15.517	15517
J_9569	706801.2	3181375	0.74	0.373	373
J_9577	706810.4	3180046	1.83	2.837	2837
J_9580	706811.2	3178284	4.47	19.33	19330
J_9588	706820	3178264	0.93	0.726	726
J_9613	706841.2	3181340	0.7	0.486	486
J_9654	706883.4	3178064	43.09	16.233	16233
J_9664	706889.2	3178358	1.11	0.056	56
J_9673	706894.4	3180102	0.9	14.068	14068
J_9688	706910.7	3180114	0.99	2.953	2953
J_9693	706914.6	3177564	5.14	18.751	18751
J_9731	706941.4	3181539	1.72	2.259	2259
J_9737	706945	3177303	0.66	0.827	827
J_9746	706950.3	3178438	1.49	0.233	233
J_9749	706953.8	3180470	1.37	1.152	1152
J_9765	706960.5	3176520	0.78	6.93	6930
J_9769	706964.6	3176370	2.87	16.087	16087
J_9787	706975	3176814	0.91	3.229	3229
J_9814	706994.8	3181553	1.23	3.77	3770
J_9821	706998.9	3176347	0.3	0.535	535
J_9844	707010.4	3176302	1.43	7.894	7894
J_9850	707015.5	3178521	3.01	0.386	386
J_9904	707041.8	3176893	0.94	0.548	548
J_9905	707042.4	3178290	4.18	2.77	2770
J_9909	707044.5	3178020	0.85	0.414	414
J_9911	707045.8	3181506	0.9	1.895	1895

J_9915	707047	3177463	1.77	6.809	6809
J_9916	707047.2	3181205	0.5	0.864	864
J_9922	707050	3181533	0.74	0.806	806
J_9928	707052.9	3181213	2.51	1.323	1323
J_9935	707058.9	3177452	0.89	0.903	903
J_9946	707068.8	3180954	0.81	4.564	4564
J_9966	707081.6	3181477	0.54	0.077	77
J_9967	707081.8	3180629	0.84	1.669	1669
J_9992	707098.8	3176968	0.87	1.828	1828
J_9993	707102	3177899	0.74	0.155	155
J_10012	707116.9	3180434	0.36	0.068	68
J_10040	707132.2	3176971	1.11	2.72	2720
J_10055	707142.2	3176984	1.03	0.609	609
J_10075	707152.4	3179929	1.29	3.679	3679
J_10089	707160.7	3181361	2.17	2.537	2537
J_10091	707161.6	3178173	0.61	0.099	99
J_10094	707163.5	3177376	5.91	3.168	3168
J_10098	707167.4	3177017	1.33	1.688	1688
J_10109	707174.8	3178190	0.61	0.38	380
J_10123	707185.1	3181123	3.3	2.485	2485
J_10136	707194.8	3181411	0.43	0.167	167
J_10152	707203.4	3180767	1.05	2.862	2862
J_10188	707226	3176899	0.32	0.066	66
J_10193	707227.3	3178233	1.74	6.433	6433
J_10209	707234.9	3178245	10.11	4.994	4994
J_10224	707239.8	3180836	0.93	3.245	3245
J_10250	707255	3180710	0.73	0.725	725
J_10263	707263.1	3177770	2.49	2.105	2105
J_10265	707264.2	3179881	0.26	0.124	124
J_10271	707267.9	3178852	2.29	1.431	1431
J_10281	707275.6	3180861	0.71	0.6	600
J_10298	707287.1	3181018	2.79	3.06	3060
J_10301	707288.1	3177184	0.93	1.885	1885
J_10309	707293.2	3177761	0.93	1.303	1303
J_10310	707294.6	3176847	0.77	0.418	418
J_10318	707299.3	3180340	0.99	2.393	2393
J_10362	707324	3178177	1.15	1.257	1257
J_10395	707346.3	3180167	0.74	0.827	827
J_10399	707350.8	3178956	0.49	0.022	22
J_10407	707354.1	3178964	0.79	0.169	169
J_10409	707356.4	3180969	2.19	15.337	15337

J_10414	707358	3177870	0.76	2.758	2758
J_10438	707376.8	3177683	1.2	0.344	344
J_10442	707380.5	3179939	0.91	0.806	806
J_10467	707404	3176783	0.72	1.367	1367
J_10480	707414	3178502	3.18	0.831	831
J_10492	707420.9	3177178	1.84	6.038	6038
J_10493	707421	3178902	1.08	0.353	353
J_10502	707426.3	3179054	0.87	0.8	800
J_10514	707434.8	3178526	1	2.242	2242
J_10517	707436.3	3180907	7.26	7.134	7134
J_10532	707444.9	3177632	6.27	3.264	3264
J_10533	707445	3178537	1.43	0.845	845
J_10539	707447.5	3177958	0.64	0.351	351
J_10555	707457.8	3177971	0.72	0.522	522
J_10567	707466.1	3178561	2.88	0.537	537
J_10573	707470.2	3179688	0.61	0.472	472
J_10599	707484.6	3180896	0.99	3.959	3959
J_10610	707490.2	3177128	1.45	0.273	273
J_10612	707491.1	3178580	14.21	1.597	1597
J_10615	707491.6	3181446	1.53	15.529	15529
J_10618	707492.8	3178603	6.5	0.574	574
J_10663	707518.7	3178080	0.85	2.585	2585
J_10665	707520	3177575	5.94	2.178	2178
J_10705	707536.8	3180633	0.8	2.257	2257
J_10723	707544.5	3179212	1.11	0.392	392
J_10724	707546	3177555	0.92	1.677	1677
J_10769	707573.1	3180800	5.73	6.998	6998
J_10798	707596.2	3178743	0.73	0.329	329
J_10819	707609.5	3177509	2.04	2.056	2056
J_10825	707613.1	3177031	0.72	0.59	590
J_10830	707615.7	3177059	0.5	0.051	51
J_10835	707618.2	3178522	0.76	1.655	1655
J_10838	707619	3180765	0.78	2.741	2741
J_10842	707622.2	3177045	2.69	8.14	8140
J_10848	707626.3	3178195	0.69	0.151	151
J_10849	707626.3	3179321	0.98	0.635	635
J_10860	707633.7	3180753	0.84	0.619	619
J_10871	707640.9	3178524	0.49	0.237	237
J_10898	707660.3	3181339	0.85	0.831	831
J_10909	707674.7	3179916	0.36	0.099	99
J_10919	707685.5	3180339	0.42	0.12	120

J_10948	707707	3181137	0.69	1.042	1042
J_10950	707707.9	3176689	0.91	8.561	8561
J_10977	707734.2	3178930	4.64	0.49	490
J_10988	707738.6	3178909	0.84	0.128	128
J_10994	707743.9	3176674	0.79	5.933	5933
J_11027	707773.3	3180678	0.74	1.604	1604
J_11041	707781	3180641	2.31	1.755	1755
J_11046	707786.5	3180668	0.74	1.261	1261
J_11094	707821.1	3178596	0.36	0.124	124
J_11108	707828	3179022	1.85	3.08	3080
J_11125	707838.9	3177337	0.95	2	2000
J_11146	707853.2	3181193	1.14	2.315	2315
J_11151	707853.3	3178187	1.13	3.221	3221
J_11152	707854	3176819	1.49	0.256	256
J_11164	707859.1	3178501	0.89	0.116	116
J_11173	707865.8	3180577	38.22	17.332	17332
J_11186	707871	3179448	0.69	0.617	617
J_11191	707874.1	3179106	4.84	4.069	4069
J_11194	707877.8	3180568	5.17	25.947	25947
J_11210	707885.8	3181169	0.75	0.458	458
J_11213	707888.5	3177297	4.64	2.914	2914
J_11218	707891.1	3180586	0.48	0.511	511
J_11223	707893.7	3178540	0.95	0.822	822
J_11231	707894.8	3180571	4.67	14.243	14243
J_11288	707922.2	3178586	1	2.098	2098
J_11355	707953.4	3179190	3.48	8.87	8870
J_11449	708002.7	3178149	0.37	0.035	35
J_11450	708003.9	3180981	0.72	2.167	2167
J_11453	708005.7	3179275	2.47	11.063	11063
J_11464	708013.4	3178037	1	2.218	2218
J_11465	708014.1	3179269	0.73	0.026	26
J_11475	708016.4	3178446	0.54	0.423	423
J_11477	708017.8	3180733	1.13	0.73	730
J_11479	708018.2	3177204	0.94	3.402	3402
J_11490	708027.3	3180746	0.91	0.867	867
J_11493	708028.3	3178053	1.6	5.687	5687
J_11499	708029.1	3177147	0.48	0.303	303
J_11509	708032.9	3177191	1.17	1.792	1792
J_11559	708063.3	3178226	1.23	1.544	1544
J_11572	708071.1	3180198	1.44	5.436	5436
J_11618	708099.5	3177287	0.31	0.022	22

J_11622	708106.6	3180666	0.48	0.028	28
J_11629	708110.1	3180855	0.97	0.987	987
J_11632	708110.7	3179248	1.98	6.377	6377
J_11645	708116.9	3179190	0.66	0.088	88
J_11659	708129.6	3180666	0.79	0.766	766
J_11675	708137.6	3178328	4.47	3.001	3001
J_11683	708141.2	3177101	2.73	2.369	2369
J_11685	708142	3178901	0.68	0.827	827
J_11688	708144.4	3177048	0.79	1.245	1245
J_11703	708154.1	3179332	0.58	0.27	270
J_11706	708155	3179776	1.22	3.135	3135
J_11724	708171.3	3181359	1.12	2.911	2911
J_11758	708192.1	3181334	0.66	0.115	115
J_11764	708194	3177924	2.07	0.926	926
J_11797	708215.8	3180385	0.86	3.55	3550
J_11798	708216.2	3178387	1.11	2.012	2012
J_11803	708221.9	3181042	4.23	4.193	4193
J_11816	708238.7	3178462	2.91	2.457	2457
J_11818	708241.1	3179006	1.04	0.728	728
J_11828	708252.8	3177878	2.13	5.396	5396
J_11853	708281	3181128	0.8	0.703	703
J_11863	708290.9	3178310	0.88	2.315	2315
J_11866	708294.5	3178536	1.23	1.646	1646
J_11870	708299.4	3180316	1.89	0.822	822
J_11872	708301.6	3180527	0.71	0.164	164
J_11875	708306.4	3181108	1.9	5.37	5370
J_11890	708320	3181131	1.3	2.167	2167
J_11891	708320.4	3179992	1.23	1.877	1877
J_11917	708354.5	3180561	1.75	5.845	5845
J_11931	708376.7	3177359	3.26	4.295	4295
J_11936	708378.9	3179036	0.42	0.958	958
J_11946	708395.9	3180245	6.16	2.308	2308
J_11958	708404.1	3181569	0.86	2.362	2362
J_11964	708409.6	3178687	1.64	2.993	2993
J_11969	708413.6	3177760	0.86	0.35	350
J_11971	708414.6	3178322	1.24	7.283	7283
J_11977	708422.9	3181053	3.59	1.251	1251
J_12014	708474.4	3178960	0.83	1.888	1888
J_12017	708476.1	3181601	1.1	1.492	1492
J_12021	708482.4	3178921	0.67	0.448	448
J_12061	708513	3179214	0.78	0.07	70

J_12068	708518.3	3177052	2.03	12.317	12317
J_12074	708524.9	3180975	5.03	3.07	3070
J_12092	708541.2	3178864	1	3.951	3951
J_12106	708551.2	3179287	0.94	5.613	5613
J_12144	708589.1	3177619	0.49	0.38	380
J_12168	708602.4	3177157	0.95	3.485	3485
J_12224	708633.5	3180889	1.66	17.364	17364
J_12269	708661.2	3178782	0.63	0.356	356
J_12273	708665.5	3181629	0.92	3.854	3854
J_12343	708697.4	3177247	0.46	0.287	287
J_12344	708697.7	3180538	1.85	7.583	7583
J_12377	708720.3	3177482	0.71	2.208	2208
J_12392	708732.8	3178763	0.78	6.645	6645
J_12399	708736.4	3177322	1.18	0.794	794
J_12421	708749.9	3177312	0.63	0.482	482
J_12422	708750.1	3180767	1.23	3.031	3031
J_12427	708755	3180803	3.48	1.58	1580
J_12485	708799.4	3177921	0.9	2.274	2274
J_12486	708799.8	3177418	0.66	0.902	902
J_12498	708809.1	3177936	1.12	1.799	1799
J_12500	708810.1	3180635	3.11	2.33	2330
J_12509	708814.7	3180756	1.22	1.464	1464
J_12523	708825.9	3178726	1.22	3.385	3385
J_12530	708829.3	3180709	38.35	7.29	7290
J_12611	708878.3	3180725	1.97	12.91	12910
J_12727	708934.8	3180750	4.13	5.107	5107
J_12747	708946.1	3178141	1.14	4.021	4021
J_12797	708974.4	3178537	0.89	8.719	8719
J_12816	708985.5	3178700	1.39	0.791	791
J_12886	709030.6	3178115	1.5	1.116	1116
J_12990	709104.2	3178052	0.72	0.213	213
J_13092	709180.6	3177984	0.75	0.011	11
J_13103	709189.1	3178008	0.71	1.276	1276
J_13106	709190.6	3178139	0.6	1.111	1111
J_13120	709203	3178129	0.99	0.992	992
J_13161	709253.5	3177919	2.23	6.498	6498
J_13177	709267.6	3177938	1.05	2.719	2719
J_13181	709269.5	3178203	0.49	0.071	71
J_13182	709269.6	3181566	0.73	0.039	39
J_13191	709275.3	3181539	0.7	1.444	1444
J_13193	709276.6	3181540	0.73	0.411	411

J_13230	709319.4	3178705	1.04	6.244	6244
J_13331	709390.7	3178365	6.24	10.373	10373
J_13344	709402.9	3177787	0.81	2.2	2200
J_13351	709409.7	3178505	0.48	0.837	837
J_13381	709427.9	3181584	1.16	2.764	2764
J_13430	709457.4	3178584	1.61	6.936	6936
J_13455	709477.7	3177720	1.23	4.705	4705
J_13483	709493	3177740	0.9	3.927	3927
J_13525	709524.3	3181497	1.42	4.864	4864
J_13770	709676.7	3179298	0.79	1.852	1852
J_13802	709688.9	3180659	0.82	5.143	5143
J_13826	709698.3	3178092	6.02	15.895	15895
J_13863	709722.9	3181253	1	8.427	8427
J_13923	709754	3180582	1.08	2.911	2911
J_13929	709756.3	3181273	1.39	4.116	4116
J_13992	709789.3	3181496	0.79	2.28	2280
J_14024	709812.5	3181837	0.74	2.343	2343
J_14043	709818.6	3180504	1.69	4.27	4270
J_14127	709865.6	3179265	0.34	0.142	142
J_14148	709878.5	3181379	1.57	1.182	1182
J_14157	709887.2	3181387	10.07	0.08	80
J_14249	709959.5	3179231	0.92	2.14	2140
J_14276	709979.7	3180996	1.15	17.572	17572
J_14333	710052.9	3179193	1	8.505	8505
J_14355	710074.3	3181273	3.85	12.839	12839
J_14388	710129.8	3181105	1.77	0.859	859
J_14399	710144.9	3181148	0.53	1.064	1064
J_14413	710164.6	3181169	0.92	4.403	4403
J_14464	710240.8	3179125	1.68	7.857	7857
J_14468	710247.6	3179146	2.13	20.169	20169
J_14510	710344.7	3179121	1.41	35.792	35792
J_14550	710442.6	3179126	1.62	2.071	2071
J_14551	710442.7	3179144	0.45	0.521	521
J_14630	710568.9	3178406	35.73	9.262	9262
J_14660	710626.1	3179100	0.3	0.096	96
J_14702	710715.3	3179050	0.77	3.284	3284
J_14738	710793.7	3178988	36.85	11.654	11654
J_14744	710802.3	3178998	1.03	2.508	2508
J_14748	710811.7	3180120	1.02	22.019	22019
J_14773	710848.2	3178122	11.67	0.226	226
J_14774	710850.4	3178788	0.32	0.596	596

J_14778	710856.4	3178109	11.97	0.011	11
J_14786	710865.2	3178095	12.36	0.006	6
J_14789	710869.2	3178781	0.58	1.563	1563
J_14791	710875.7	3178952	0.83	0.898	898
J_14809	710904.3	3178940	1.03	13.145	13145
J_14810	710905.5	3178875	1.57	14.187	14187
J_14813	710913	3178960	0.32	0.338	338
J_14823	710928.9	3180207	11.66	0.875	875
J_14837	710952.8	3179033	0.81	3.504	3504
J_14900	711106.5	3180298	1.13	0.634	634
J_14907	711132.3	3179655	0.85	6.83	6830
J_14918	711165.7	3178931	0.62	1.917	1917
J_14929	711190	3180364	3.26	8.17	8170
J_14932	711196.1	3179582	0.5	1.692	1692
J_14958	711275.8	3180425	0.79	2.12	2120
J_14968	711303.8	3180383	0.28	0.056	56
J_15024	711481.1	3180139	2.45	7.241	7241
J_15037	711512.9	3181156	0.83	5.593	5593
J_15044	711536.9	3180057	0.6	0.034	34
J_15049	711551.4	3179910	0.41	0.095	95
J_15060	711586.4	3179983	0.85	2.617	2617
J_15066	711602.2	3179941	1.16	3.313	3313
J_15073	711616.1	3179951	2.94	12.759	12759
J_15102	711674.5	3179847	1.07	0.96	960
J_15107	711679.7	3179856	0.75	0.601	601
J_15118	711706.7	3180430	3	13.598	13598
J_15120	711711.3	3180421	0.28	0.016	16
J_15124	711719.1	3179780	0.8	1.664	1664
J_15154	711776.9	3180483	3.32	2.474	2474
J_15160	711784	3180472	0.77	0.612	612
J_15170	711799.6	3180081	0.34	0.404	404
J_15178	711813.1	3180523	0.53	0.53	530
J_15193	711825	3179628	0.78	1.61	1610
J_15195	711830.3	3179637	0.29	0.104	104
J_15227	711871.4	3179582	1.18	6.89	6890
J_15228	711872.4	3179561	0.73	0.008	8
J_15270	711916.2	3179508	0.73	2.288	2288
J_15281	711927.4	3181758	1.42	8.835	8835
J_15302	711960.6	3180288	0.7	1.2	1200
J_15313	711970.4	3180289	0.44	0.816	816
J_15341	712015.4	3181925	27.77	24.129	24129

J_15348	712025.7	3182024	0.28	0.115	115
J_15359	712038.2	3182118	3.49	1.477	1477
J_10259	707260.4	3192612	1.64	4.94	14.404
J_10430	707369.3	3187452	8.21	14.595	223.099
J_10458	707394.3	3192596	2.02	1.366	6.17
J_10609	707490.2	3192585	2.41	1.734	8.624
J_11385	707970.9	3190768	2.93	6.407	25.906
J_11460	708010	3190416	0.33	1.119	0.771
J_11494	708028.3	3190571	3.77	1.118	5.626
J_11511	708034.3	3187412	0.26	0.109	0.072
J_11546	708056.3	3190475	0.38	0.326	0.263
J_11664	708132.7	3187384	1.33	1.339	2.784
J_11817	708239.3	3182869	0.32	0.328	0.177
J_11820	708242.6	3187373	1.35	0.87	1.892
J_11897	708331.8	3182811	0.96	0.396	0.977
J_11899	708334.5	3182793	0.43	0.26	0.254
J_11902	708335.4	3187729	0.97	3.021	5.938
J_11906	708337.6	3187372	0.64	0.106	0.099
J_11916	708354.2	3189234	0.83	1.182	2.479
J_11947	708397.8	3182742	0.61	0.359	0.719
J_11958	708404.1	3181569	0.89	1.733	3.28
J_11960	708407.5	3187379	0.49	0.451	0.417
J_12003	708457.4	3188867	2.45	0.733	3.656
J_12017	708476.1	3181601	0.27	0.047	0.034
J_12026	708486	3182673	0.57	0.038	0.065
J_12083	708533.6	3189617	1.09	2.952	7.031
J_12121	708567.5	3182625	0.7	1.791	3.084
J_12122	708567.5	3188728	1.28	5.643	13.081
J_12190	708612.3	3189618	1.32	0.577	2.431
J_12194	708614.1	3189555	1.68	0.761	3.735
J_12253	708648.4	3182562	0.42	0.861	0.501
J_12271	708664.1	3189318	0.8	3.446	5.975
J_12272	708664.6	3189424	1.19	1.706	5.142
J_12502	708811.2	3182440	0.79	2.089	4.123
J_12594	708867.4	3186643	0.66	6.957	8.873
J_12647	708891.5	3182397	0.84	1.49	2.974
J_12693	708917.7	3186591	0.57	0.621	0.755
J_12830	708994.7	3183702	8.51	1.482	29.803
J_12860	709015.4	3185526	0.58	0.345	0.486
J_12891	709035.5	3185419	4.07	11.922	57.251
J_12901	709046.7	3183624	10.56	11.342	51.187

J_12909	709053.5	3185778	7.29	141.012	1026.264
J_13018	709122.2	3185431	0.93	5.738	11.773
J_13045	709144.9	3182235	1.57	2.262	8.758
J_13063	709159.6	3183465	0.41	0.674	0.431
J_13104	709189.5	3182231	1.09	7.76	16.781
J_13171	709261.6	3184553	1.43	0.076	0.18
J_13182	709269.6	3181566	0.44	1.063	0.44
J_13191	709275.3	3181539	0.38	0.733	0.441
J_13200	709284.7	3184457	0.68	0.159	0.184
J_13220	709310.6	3182267	0.74	0.273	0.375
J_13226	709316	3181552	0.71	0.707	1.088
J_13256	709339.5	3183133	1.22	1.269	2.625
J_13296	709367.9	3183120	0.9	2.739	6.168
J_13356	709412.1	3182287	1.29	1.296	4.22
J_13363	709415.7	3183033	20.63	2.021	12.532
J_13398	709437.2	3182955	37.94	3.306	77.673
J_13403	709441.1	3182306	0.78	0.47	0.759
J_13436	709464.1	3182299	0.48	0.169	0.152
J_13493	709500.5	3182862	0.93	2.327	6.068
J_13622	709590.1	3182670	0.28	0.318	0.17
J_13677	709625.2	3182577	0.46	1.359	1.256
J_13688	709631.1	3182369	1.08	2.378	5.842
J_13705	709641.9	3183213	0.43	0.158	0.131
J_13761	709671.8	3183110	0.83	1.177	2.635
J_13833	709705.1	3183009	0.83	0.257	0.13
J_13884	709733.2	3182918	0.87	0.216	0.38
J_13936	709760.3	3182829	1.1	1.562	4.161
J_13989	709785.4	3182716	1.39	1.069	3.77
J_1409	694883.4	3191328	4.55	2.787	16.174
J_14124	709864.4	3182366	0.95	5.396	11.642
J_14148	709878.5	3181379	7.54	0.011	0.028
J_14207	709921.2	3181410	3	0.01	0.023
J_14302	710000.4	3181447	0.46	0.455	0.43
J_14347	710064.3	3181372	4.07	1.204	3.221
J_14434	710195.2	3188678	0.36	0.466	0.371
J_14647	710600	3189120	1.53	1.729	5.84
J_14688	710678.8	3189182	0.57	0.223	0.242
J_14720	710757.7	3189243	2.28	1.076	3.75
J_14820	710920.7	3189358	2.8	2.862	11.221
J_14861	711003.4	3189413	13.27	11.773	171.605
J_14890	711089.3	3189466	0.76	0.105	0.074

J_14922	711171.6	3189522	17.51	1.033	12.932
J_15000	711419	3189838	1.02	0.598	1.292
J_15026	711487.3	3189911	1.28	0.807	2
J_15048	711550.4	3189987	0.71	0.249	0.364
J_15113	711696	3190114	0.83	0.329	0.594
J_15241	711886.4	3191443	1.76	5.069	15.305
J_15252	711898	3190230	0.91	2.408	3.484
J_15282	711928.1	3190365	0.54	0.085	0.092
J_15284	711930.4	3181742	30.89	3.315	30.366
J_15285	711930.8	3190207	0.75	0.428	0.641
J_15330	711999.1	3181842	3.36	0.094	1.062
J_15353	712033.7	3182031	3.15	1.648	13.494
J_15359	712038.2	3182118	1.72	5.99	17.884
J_15378	712073	3190095	0.82	0.988	1.458
J_15383	712078.8	3191433	1.82	0.297	0.776
J_15386	712084.4	3191119	2.6	3.278	14.519
J_15391	712087.2	3190667	2.03	5.03	16.403
J_15398	712099.3	3189991	1.55	0.472	1.52
J_15403	712113.7	3190634	25.71	2.675	29.83
J_15424	712157.1	3189702	0.36	0.062	0.038
J_15434	712176.3	3189601	1.86	4.5	14.163
J_15454	712209.6	3189416	2.16	0.344	1.542
J_15464	712234.3	3189304	0.67	0.27	0.198
J_15481	712264.7	3184732	0.77	0.356	0.677
J_15502	712323	3184710	0.74	0.945	1.355
J_15548	712383.9	3190783	0.67	0.517	0.917
J_15552	712396.9	3188730	0.75	1.05	1.778
J_15569	712418.9	3190788	38.23	5.414	49.355
J_15592	712448	3190863	1.48	0.912	2.603
J_15616	712488.4	3188444	1.63	3.52	11.583
J_15636	712517.9	3188348	1.42	1.209	2.949
J_15662	712550.3	3188253	1.29	0.476	0.449
J_15678	712579.3	3191123	1.59	0.786	2.237
J_15684	712585.4	3188159	1.28	1.072	2.838
J_15692	712599	3191511	1.78	0.371	0.851
J_15693	712599.2	3191715	12.94	0.253	3.212
J_15696	712603	3191412	16.93	0.163	5.081
J_15698	712603.9	3191218	0.83	0.073	0.13
J_15699	712604.3	3191379	10.6	4.844	25.646
J_15700	712606	3191815	1.46	0.796	2.194
J_15704	712612.6	3191913	11.47	0.967	7.883

J_15707	712618.9	3192005	1.14	0.557	1.387
J_15709	712619.5	3188068	0.94	0.519	1.122
J_15716	712634.1	3192115	1.18	0.257	0.536
J_15727	712648.4	3192213	9.66	0.892	14.587
J_15730	712654.8	3187973	0.84	0.783	1.659
J_15742	712677.3	3192410	6.73	0.784	6.465
J_15745	712687.1	3187880	0.58	0.394	0.301
J_15755	712713	3192508	3.5	0.851	3.016
J_15756	712716.2	3187783	0.56	0.814	0.838
J_15791	712768	3187487	1.17	1.829	4.315
J_15806	712786.3	3187388	1.32	0.605	0.588
J_15812	712804.7	3187290	1.86	0.694	1.742
J_15819	712818.7	3192576	5.49	2.687	17.064
J_15823	712827.4	3187090	2.18	2.204	9.095
J_15828	712831.2	3186992	2.27	0.692	1.447
J_15832	712835	3186892	2.39	0.648	1.658
J_15836	712838.9	3186789	2.42	0.621	0.636
J_15839	712842.7	3186690	2.82	1.019	4.611
J_15846	712846.5	3186591	16.56	26.083	311.724
J_15850	712855.1	3191609	0.98	2.694	5.606
J_15875	712905	3192539	0.43	0.808	0.569
J_15982	713104.6	3191609	3.45	0.736	3.234
J_15983	713108	3183978	0.91	1.613	3.338
J_15998	713140.2	3192776	6.11	5.953	38.753
J_16006	713158.4	3183893	0.92	0.228	0.413
J_16019	713177.3	3192706	3.61	1.239	12.474
J_16031	713198.3	3192693	2.74	1.998	10.83
J_16035	713203.5	3183804	0.9	0.099	0.164
J_16069	713258.4	3183768	0.34	0.303	0.168
J_16097	713292.5	3183651	0.89	0.477	0.87
J_16098	713293.2	3181690	14.92	70.302	337.523
J_1614	695623.3	3191024	2.05	11.846	40.681
J_16188	713404.8	3183626	0.37	0.101	0.036
J_16226	713435.5	3192769	2.14	8.34	30.313
J_16228	713437.9	3183599	0.66	1.639	2.601
J_16272	713482	3183563	0.85	2.397	4.849
J_16352	713566.8	3183524	0.63	0.686	0.761
J_16395	713624.2	3183518	0.33	0.222	0.054
J_16610	713836.9	3190225	5.29	13.645	110.298
J_16615	713841.8	3190169	6.53	0.931	19.434
J_16727	713967	3190166	2.61	0.374	1.372

J_16734	713975.7	3190110	6.8	0.613	4.677
J_16790	714032.6	3190107	8.55	19.323	253.433
J_16837	714100	3183309	0.59	1.09	1.204
J_16926	714242.4	3186260	1.33	0.816	2.653
J_1709	695934.2	3189006	0.46	0.065	0.08
J_17108	714554.1	3182964	9.68	4.525	10.17
J_1711	695939.4	3189107	34.45	1.701	4.465
J_17112	714561.1	3183936	2.02	7.15	28.34
J_1712	695948.4	3189107	17.64	0.46	1.145
J_17167	714646.2	3181795	4.55	1.144	2.071
J_17188	714661.5	3184221	0.34	1.052	0.394
J_17216	714699.8	3182823	0.28	0.728	0.299
J_17222	714702.9	3183700	8.12	32.203	420.794
J_17227	714705	3182726	13.31	3.231	8.899
J_17249	714736.1	3184951	0.72	7.335	10.366
J_17319	714923.8	3183722	1.67	6.06	12.426
J_17345	714987.1	3184863	0.45	1.604	0.539
J_17346	714989.8	3189995	1.14	3.869	9.518
J_17393	715072.5	3184600	1.3	6.903	21.311
J_17596	715461.7	3183802	1.23	8.401	21.241
J_1774	696231.8	3188780	0.88	1.966	4.115
J_1781	696294.6	3188947	38.34	2.066	6.495
J_1803	696351.4	3188725	0.54	5.54	4.396
J_1823	696496	3189271	0.4	0.221	0.146
J_2183	697905.6	3186308	1.63	8.471	23.433
J_2205	697953.4	3187929	1.01	27.321	47.328
J_2247	698032.8	3187293	1.7	4.12	17.361
J_2251	698036.9	3187272	6.7	5.383	55.296
J_2268	698075.8	3187774	1.35	10.208	33.246
J_2289	698124.2	3186912	0.66	0.576	0.702
J_2297	698142.9	3187114	0.65	0.915	1.282
J_2299	698143.9	3187129	0.66	0.033	0.054
J_2305	698147.6	3187156	0.67	0.029	0.062
J_2313	698162	3187187	0.77	2.447	3.679
J_2322	698197.4	3187977	0.47	5.584	6.593
J_2404	698380	3187971	36.55	4.797	70
J_2481	698558.7	3187262	1.81	3.434	9.355
J_2487	698569.8	3187959	1.19	10.3	23.963
J_2523	698642.3	3187531	0.42	0.433	0.337
J_2526	698643.5	3187587	2.25	2.42	7.813
J_2528	698644.3	3187242	1.15	2.784	6.928

J_2529	698644.6	3187179	0.51	0.2	0.171
J_2553	698681.4	3187096	0.34	0.467	0.302
J_2658	698909.4	3186738	0.88	0.846	1.776
J_2673	698946.6	3187718	0.64	1.106	2.031
J_2685	698965.7	3186607	0.6	0.618	0.957
J_2709	699006.7	3186601	0.5	0.34	0.189
J_2766	699117.5	3187969	2.02	2.349	5.837
J_2936	699456.2	3185445	1.05	0.92	2.056
J_2967	699512.1	3185436	2.23	11.04	35.272
J_3072	699666.1	3185605	1.11	4.11	10.589
J_3078	699672.3	3185013	1.04	2.251	4.791
J_3144	699813.1	3184908	3.68	11.027	43.911
J_3212	699941.7	3190308	0.63	4.336	6.951
J_3341	700100.2	3188548	3.05	46.165	169.513
J_3510	700357.6	3188333	0.99	3.391	7.409
J_3525	700382.9	3186437	0.51	20.261	15.652
J_3631	700577.3	3189665	0.77	3.89	7.635
J_3648	700594.1	3189034	0.6	7.157	5.223
J_3669	700619.2	3188543	0.5	0.636	0.581
J_3700	700671	3189376	0.83	2.178	4.741
J_3775	700772.3	3189267	1.18	7.967	24.941
J_3834	700861.9	3189147	2.39	9.296	50.445
J_3909	701016.4	3188884	2.42	2.314	2.995
J_4010	701171	3189606	1.06	3.072	7.373
J_4022	701187.7	3186895	1.13	41.417	105.325
J_4103	701298.7	3193376	0.75	1.728	3.152
J_4109	701316.1	3188846	3.35	8.696	43.458
J_4113	701323.3	3187164	1.46	16.146	67.39
J_4183	701398.2	3189801	4.34	21.096	127.054
J_4211	701438.3	3193383	1.74	3.661	11.166
J_4278	701517.6	3187600	1.48	5.802	16.421
J_4298	701534.5	3193360	0.95	0.327	0.645
J_4340	701585.9	3188742	4.75	8.843	63.542
J_4370	701616.7	3187963	1.6	4.607	20.521
J_4383	701628.1	3194002	0.99	0.625	1.124
J_4397	701643.5	3193336	0.81	0.872	1.542
J_4460	701721.7	3190111	5.68	1.515	19.97
J_4483	701754.6	3194256	12.57	0.488	9.179
J_4484	701754.8	3194356	1.56	0.226	0.623
J_4490	701760.1	3194152	4.31	1.397	10.775
J_4491	701760.9	3194096	2.08	0.429	2.332

J_4495	701765.2	3190171	5.86	1.912	12.999
J_4533	701812.3	3194601	27.17	12.667	143.812
J_4634	701934.6	3190388	2.84	2.085	7.739
J_4640	701940.2	3188330	1.25	8.122	18.335
J_4733	702057	3194662	0.81	2.606	5.455
J_4736	702059.2	3188426	1.79	6.681	25.013
J_4815	702131.7	3190643	1.65	2.831	8.389
J_4867	702189	3193272	1.09	6.007	11.774
J_4887	702206.1	3194713	6.27	6.544	61.748
J_4981	702301.5	3194780	1.94	10.016	36.045
J_5004	702331.6	3193246	2.11	1.383	5.149
J_5063	702415	3191007	28	1.004	6.815
J_5083	702433.3	3190994	2.65	0.369	2.105
J_5134	702486.9	3191099	20.02	1.724	30.344
J_5232	702587.7	3186836	0.53	2.029	2.307
J_5284	702644.1	3194854	10.15	8.809	60.196
J_5302	702666.8	3193237	7.2	0.459	4.239
J_5323	702690.9	3194964	0.71	5.947	9.284
J_5390	702765.1	3193253	0.6	0.159	0.16
J_5396	702776.9	3191482	4.42	16.236	76.231
J_5426	702829.5	3195806	0.33	0.104	0.062
J_5433	702844.3	3194968	11.24	3.234	21.498
J_5473	702875.9	3193276	0.6	0.27	0.317
J_5474	702876.4	3195710	0.82	0.31	0.689
J_5545	702950	3193546	0.96	1.434	3.269
J_5547	702952	3193519	0.82	3.886	6.619
J_5583	702983.3	3191752	0.69	0.414	0.657
J_5655	703079.7	3191844	0.82	0.641	0.837
J_5787	703225	3193352	10.06	0.241	3.786
J_5813	703238.8	3189018	1.12	10.547	21.144
J_5849	703259.8	3195149	2.18	6.29	23.377
J_5882	703288.9	3194913	0.88	1.452	3.235
J_5921	703341.7	3193310	3.57	2.981	8.791
J_5939	703367.6	3194735	1.73	4.914	15.735
J_5981	703415.8	3192224	0.31	0.264	0.131
J_5982	703416.3	3192196	0.92	0.243	0.52
J_5994	703426	3192206	1.15	0.142	0.499
J_5997	703430.5	3192211	0.83	0.046	0.081
J_5998	703432.5	3193278	0.6	0.108	0.126
J_6003	703440	3189806	0.65	10.368	15.271
J_6012	703452	3194549	1.15	1.265	3.382

J_6048	703485.8	3186772	0.77	3.804	6.743
J_6072	703505.2	3189561	0.64	5.446	4.189
J_6074	703506.2	3192246	0.83	0.436	0.75
J_6099	703526.9	3193255	1.29	0.212	0.528
J_6173	703589.8	3189223	0.82	9.003	16.087
J_6219	703626.8	3194186	0.62	0.491	0.524
J_6277	703667.7	3194909	1.05	4.024	9.366
J_6281	703670	3193301	0.45	0.526	0.457
J_6282	703670.2	3194084	0.96	0.794	1.75
J_6313	703701.4	3192324	0.75	0.949	1.408
J_6336	703726.1	3192804	0.45	0.849	0.813
J_6377	703770.8	3192352	0.77	0.281	0.664
J_6383	703776.3	3186680	1.29	7.713	23.916
J_6401	703789.1	3193720	0.95	2.211	5.097
J_6409	703793.9	3193689	0.51	0.614	0.45
J_6428	703812.8	3192397	0.64	0.328	0.371
J_6429	703813	3194742	2.52	3.492	21.098
J_6456	703849.4	3192497	0.8	1.469	2.999
J_6467	703859.5	3194705	12	5.316	59.982
J_6472	703864.4	3192462	0.72	0.985	1.554
J_6795	704179.2	3191495	0.66	3.978	6.584
J_6807	704189.3	3194090	2.16	3.717	15.854
J_6817	704196.1	3193732	0.99	13.835	27.501
J_6821	704197.7	3194041	1.16	5.098	13.943
J_6853	704217.2	3189005	1.09	5.353	11.71
J_6914	704297.1	3189006	1.17	0.849	2.304
J_7025	704384.3	3189015	1.16	7.727	19.44
J_7049	704430	3190728	0.71	3.452	6.643
J_7135	704515.3	3191761	0.57	2.569	2.95
J_7279	704658.7	3190559	0.32	0.677	0.25
J_7327	704702.3	3189349	1.75	41.668	124.204
J_7359	704725.1	3191757	0.46	0.583	0.487
J_7438	704800.4	3190416	0.76	3.727	6.076
J_7620	704967	3192351	1.18	10.968	25.497
J_7740	705102.1	3192015	1.49	2.866	8.217
J_7792	705156.9	3194030	0.45	0.634	0.61
J_7819	705184.9	3189593	0.8	9.113	12.332
J_7859	705231.2	3186703	9.7	29.187	174.505
J_7872	705250.8	3193710	0.72	11.712	13.583
J_8008	705425.7	3189157	0.37	8.472	2.907
J_8009	705425.8	3194022	4.53	4.113	18.107

J_8011	705428.9	3194023	0.78	0.051	0.083
J_8021	705434	3194023	0.67	0.015	0.033
J_8030	705441.1	3194024	0.49	0.015	0.013
J_8047	705452.9	3189601	1.84	8.171	36.565
J_8123	705526.2	3186749	22.83	3.997	74.304
J_8174	705570.5	3194009	0.29	0.621	0.321
J_8178	705572.9	3194022	8.75	0.614	3.483
J_8205	705592.8	3186545	2.13	11.802	46.551
J_8452	705764.8	3192225	22.69	12.614	57.838
J_8490	705783.7	3186223	0.26	3.871	0.749
J_8498	705790.3	3192228	1.14	0.903	1.952
J_8549	705835.4	3186082	24.69	7.276	45.375
J_8567	705849.8	3192034	11.56	6.068	24.26
J_8599	705887.2	3185941	0.54	2.286	2.944
J_8623	705911.8	3194026	0.78	0.126	0.129
J_8641	705925.9	3186258	1.73	10.388	29.737
J_8774	706048.3	3194069	12.07	4.665	25.225
J_8823	706099	3188681	1.92	33.926	88.629
J_9096	706363.4	3186364	5.4	10.381	90.738
J_9616	706845.2	3187318	0.48	44.175	32.741
J_9631	706858.7	3187278	3.11	84.67	389.895
J_5711	703153.7	3172537	0.26	0.034	34
J_59	682356.8	3162794	0.27	0.038	38
J_55	682352.4	3163162	0.27	0.044	44
J_10903	707666.8	3175915	0.28	0.098	98
J_14923	711172.5	3178916	0.28	0.244	244
J_16558	713791.9	3177750	0.28	0.097	97
J_12310	708685	3174811	0.28	0.035	35
J_4206	701436.5	3164725	0.29	0.276	276
J_14130	709867.6	3170593	0.3	0.015	15
J_1998	697311.5	3169552	0.3	0.13	130
J_13139	709224.1	3173310	0.3	0.096	96
J_6030	703475.9	3172447	0.3	0.11	110
J_17654	715619.5	3176883	0.3	0.092	92
J_6832	704203.3	3169597	0.3	0.12	120
J_9671	706893.1	3172819	0.31	0.062	62
J_14154	709885.9	3170642	0.31	0.066	66
J_4983	702309	3169316	0.31	0.155	155
J_4230	701459	3167016	0.31	0.016	16
J_4110	701319.6	3164564	0.32	0.057	57
J_6591	703979.9	3172225	0.32	0.058	58

J_11756	708190.9	3171121	0.32	0.101	101
J_7685	705044.2	3164406	0.32	0.141	141
J_1405	694876.7	3159545	0.33	0.353	353
J_6890	704274.6	3174335	0.33	0.118	118
J_5708	703152.4	3157312	0.33	0.168	168
J_3929	701053.9	3168152	0.34	0.151	151
J_2007	697332	3163220	0.34	0.304	304
J_4477	701750.7	3162677	0.34	0.086	86
J_5816	703239.3	3169902	0.35	0.035	35
J_14319	710027.7	3171859	0.35	0.105	105
J_2973	699521	3161519	0.36	0.311	311
J_6533	703907.1	3164354	0.36	0.599	599
J_9476	706718.2	3172150	0.36	0.581	581
J_2436	698440.7	3165354	0.36	0.004	4
J_10955	707714	3170271	0.36	0.125	125
J_17847	716360.8	3177897	0.37	0.017	17
J_14682	710664.9	3177824	0.37	0.043	43
J_4138	701337.5	3167333	0.37	0.094	94
J_14184	709905.8	3170567	0.38	0.014	14
J_16015	713171.2	3180842	0.38	0.028	28
J_6207	703617.9	3167604	0.38	0.052	52
J_14657	710619.6	3179093	0.38	0.149	149
J_14343	710062.2	3171840	0.38	0.166	166
J_15808	712795	3175652	0.39	0.363	363
J_3428	700211.2	3161346	0.39	0.048	48
J_10945	707705.2	3176982	0.39	0.007	7
J_12977	709097.7	3169078	0.39	0.11	110
J_6247	703646	3165948	0.39	4.454	4454
J_6860	704225.4	3169686	0.39	0.141	141
J_7134	704515.2	3158137	0.39	0.012	12
J_15547	712383.2	3179831	0.4	0.813	813
J_15176	711811.5	3178731	0.4	0.288	288
J_12738	708940.2	3174888	0.4	0.148	148
J_10467	707404	3176783	0.4	0.046	46
J_11639	708113.7	3170606	0.41	0.072	72
J_16411	713642.2	3170470	0.41	0.006	6
J_16589	713820.6	3171265	0.41	0.032	32
J_16171	713385.5	3169700	0.41	0.212	212
J_11635	708112.6	3172769	0.41	0.191	191
J_16180	713396.7	3177540	0.41	0.409	409
J_12609	708877.1	3167855	0.41	0.296	296

J_5855	703267.2	3163229	0.41	0.202	202
J_14525	710368.5	3163055	0.42	1.27	1270
J_2387	698332.1	3162984	0.42	0.156	156
J_14511	710346.5	3174509	0.42	0.213	213
J_14236	709947	3170538	0.42	0.068	68
J_10908	707674.7	3174856	0.42	0.267	267
J_7035	704397	3165070	0.42	0.954	954
J_16473	713704.5	3176616	0.42	0.021	21
J_5767	703204.9	3168791	0.43	0.058	58
J_16143	713356.2	3177398	0.43	0.423	423
J_16979	714330.6	3175931	0.43	0.28	280
J_15150	711772.8	3172622	0.44	0.132	132
J_1167	694023.2	3167293	0.44	0.428	428
J_10732	707549.1	3162262	0.44	1.769	1769
J_6545	703918	3164560	0.44	0.085	85
J_6519	703898.8	3167362	0.44	0.193	193
J_15854	712866.8	3176258	0.44	0.27	270
J_9285	706516.7	3170003	0.44	0.23	230
J_2265	698073.5	3161286	0.45	0.046	46
J_317	686761.1	3159121	0.45	0.776	776
J_2400	698374.7	3165882	0.45	0.459	459
J_9031	706308.2	3173367	0.45	0.271	271
J_3485	700311.4	3164834	0.45	0.181	181
J_4487	701759.1	3161910	0.45	0.414	414
J_14211	709922.6	3173171	0.45	0.294	294
J_3244	699992	3164571	0.45	0.601	601
J_154	684046.4	3162465	0.46	0.145	145
J_1648	695769.5	3169071	0.46	0.46	460
J_12606	708875.2	3168597	0.46	0.423	423
J_15268	711912.1	3169698	0.46	0.628	628
J_15092	711659.1	3172637	0.47	0.108	108
J_16101	713300.6	3172073	0.47	0.262	262
J_9094	706362.9	3166102	0.47	0.264	264
J_8231	705617.7	3173870	0.47	0.076	76
J_7847	705219.8	3175677	0.47	0.085	85
J_3770	700765	3165391	0.47	0.717	717
J_6523	703901.3	3167607	0.47	0.105	105
J_3458	700259.6	3158177	0.47	0.276	276
J_12516	708822.9	3169404	0.47	0.241	241
J_4562	701854.9	3163725	0.48	0.087	87
J_7564	704903.9	3170620	0.48	0.261	261

J_8140	705536.9	3170961	0.48	0.144	144
J_11433	707991.1	3169238	0.48	0.083	83
J_13437	709465.1	3165207	0.48	0.229	229
J_2596	698781.5	3166822	0.49	0.48	480
J_16295	713505.7	3171039	0.49	0.198	198
J_2991	699542.1	3170875	0.49	2.276	2276
J_15942	713015.1	3175095	0.49	0.494	494
J_793	692402.6	3165221	0.49	1.134	1134
J_17347	714990.1	3175962	0.49	0.296	296
J_9121	706374.8	3167901	0.49	0.515	515
J_11069	707803.7	3168475	0.5	0.082	82
J_12231	708637.1	3170668	0.5	0.241	241
J_3826	700845.5	3165333	0.5	0.315	315
J_7672	705029.4	3164863	0.5	0.32	320
J_3694	700657.2	3167721	0.5	0.396	396
J_6616	704000.7	3168738	0.51	0.198	198
J_4478	701750.9	3160833	0.51	0.883	883
J_12960	709086.4	3169247	0.51	0.075	75
J_1179	694047.6	3156395	0.51	0.131	131
J_2047	697507.1	3166686	0.51	0.778	778
J_11968	708413.5	3173297	0.51	0.034	34
J_14240	709948.8	3171920	0.51	0.273	273
J_3986	701136	3167142	0.52	0.061	61
J_3375	700122.8	3167382	0.52	0.191	191
J_9391	706630.8	3172957	0.52	0.121	121
J_11275	707914.5	3170955	0.52	0.311	311
J_15405	712117	3176166	0.52	0.211	211
J_9766	706960.9	3168056	0.52	0.335	335
J_9283	706514.8	3173822	0.52	0.233	233
J_9421	706662.3	3169287	0.53	0.213	213
J_17031	714423.4	3177020	0.53	0.968	968
J_3927	701052.3	3168303	0.53	0.174	174
J_1185	694087.6	3169949	0.53	0.238	238
J_14610	710536	3174749	0.53	2.011	2011
J_16311	713522.8	3177882	0.53	0.079	79
J_3369	700118.9	3166718	0.54	0.51	510
J_10212	707236	3173794	0.54	0.481	481
J_4179	701395.6	3162785	0.54	0.297	297
J_143	683941.7	3157051	0.54	0.181	181
J_3381	700126.5	3167038	0.54	0.15	150
J_5159	702515.5	3170727	0.54	0.244	244

J_831	692571.7	3167956	0.54	0.266	266
J_8933	706212.7	3173337	0.54	0.288	288
J_11080	707809.9	3176882	0.54	0.035	35
J_16392	713622.8	3170933	0.54	0.196	196
J_15019	711461.3	3172855	0.54	0.849	849
J_12227	708634.9	3168838	0.54	0.012	12
J_13291	709366.4	3169537	0.55	2.144	2144
J_12103	708548.6	3173517	0.55	0.525	525
J_4542	701826.3	3161254	0.55	0.791	791
J_17623	715522.8	3177879	0.55	0.071	71
J_12248	708645.5	3177536	0.55	0.721	721
J_11937	708378.9	3161982	0.55	0.391	391
J_1696	695896.3	3164620	0.55	0.293	293
J_16103	713309.7	3176792	0.56	0.384	384
J_3816	700837	3160635	0.56	1.023	1023
J_14487	710294.8	3177765	0.56	0.8	800
J_15676	712578.1	3170276	0.56	0.115	115
J_16218	713424.5	3172430	0.56	0.274	274
J_14784	710863.9	3171382	0.56	20.351	20351
J_12721	708932.5	3168906	0.57	0.157	157
J_6569	703955	3157188	0.57	0.351	351
J_2287	698122.2	3166959	0.57	0.143	143
J_2762	699114.2	3167588	0.57	0.748	748
J_7198	704583.6	3164465	0.57	0.501	501
J_9623	706855.3	3174019	0.57	1.129	1129
J_5252	702606.5	3168448	0.58	0.181	181
J_2245	698032	3163018	0.58	0.762	762
J_15368	712057.8	3178474	0.58	0.034	34
J_9787	706975	3176814	0.58	0.313	313
J_10478	707413.4	3170518	0.58	0.316	316
J_11952	708400.3	3171373	0.58	2.245	2245
J_5969	703405.7	3167733	0.58	0.285	285
J_7754	705118.7	3173076	0.58	0.407	407
J_6548	703920.1	3168326	0.58	0.721	721
J_11843	708269	3159687	0.59	0.116	116
J_2668	698934.5	3165950	0.59	0.214	214
J_4003	701161.9	3165732	0.59	0.499	499
J_1615	695631.2	3166863	0.59	2.093	2093
J_3916	701027.2	3165267	0.59	1.904	1904
J_5872	703283.4	3167641	0.59	0.866	866
J_15939	713009.7	3178676	0.59	1.282	1282

J_12235	708640.6	3173792	0.59	0.452	452
J_4038	701208.3	3157992	0.59	1.163	1163
J_2787	699170.6	3165168	0.59	0.667	667
J_10275	707271.8	3176437	0.59	3.543	3543
J_13763	709673.5	3175951	0.6	0.684	684
J_8332	705682.2	3168485	0.6	0.426	426
J_16168	713382.9	3174788	0.6	0.634	634
J_1630	695703.3	3168996	0.6	0.614	614
J_14492	710305.4	3168758	0.6	0.769	769
J_15174	711810.3	3178796	0.6	0.304	304
J_8000	705414.7	3164916	0.6	0.44	440
J_14352	710071	3175035	0.6	0.285	285
J_3876	700952.8	3160797	0.6	0.985	985
J_4269	701502.4	3161124	0.6	0.653	653
J_2235	698006	3158783	0.6	0.136	136
J_2315	698183.3	3167068	0.61	1.001	1001
J_2966	699511.6	3161420	0.61	3.157	3157
J_5920	703341.2	3163231	0.61	0.276	276
J_7287	704665.5	3170701	0.62	0.431	431
J_11593	708083.7	3175294	0.62	0.223	223
J_5907	703317.6	3167668	0.62	0.247	247
J_8746	706024.9	3167810	0.62	1.404	1404
J_8028	705437.5	3171142	0.62	0.32	320
J_784	692353.8	3166273	0.62	0.826	826
J_8688	705962	3171299	0.62	0.391	391
J_3069	699663.8	3166906	0.63	0.655	655
J_4515	701796.2	3163645	0.63	0.258	258
J_4703	702017.7	3164844	0.63	1.444	1444
J_16115	713325	3176809	0.63	0.13	130
J_15292	711945.5	3174773	0.63	1.003	1003
J_7781	705150.1	3164550	0.63	0.784	784
J_13535	709530.7	3175488	0.63	0.149	149
J_7505	704854.1	3173106	0.63	0.297	297
J_9527	706773.6	3169287	0.64	0.828	828
J_16593	713823.4	3170912	0.64	0.328	328
J_10053	707140.9	3175524	0.64	0.504	504
J_589	691153.8	3166156	0.64	0.061	61
J_4595	701895	3169441	0.64	0.598	598
J_15975	713085.9	3177480	0.64	0.019	19
J_1368	694769.3	3168091	0.64	0.043	43
J_14711	710734.8	3177020	0.64	0.889	889

J_16766	714007.1	3171155	0.64	0.146	146
J_11190	707874	3175371	0.64	0.786	786
J_15565	712414.4	3177972	0.64	1.497	1497
J_6145	703571.8	3163941	0.64	1.088	1088
J_17870	716492.1	3178383	0.64	2.132	2132
J_1694	695896.1	3164721	0.64	0.137	137
J_12261	708655.9	3168836	0.64	0.024	24
J_2417	698410	3164961	0.64	1.842	1842
J_9213	706460.1	3173426	0.65	1.429	1429
J_14646	710599.8	3173806	0.65	2.564	2564
J_1024	693468.1	3165749	0.65	0.166	166
J_4257	701495.9	3164805	0.65	3.62	3620
J_2360	698266.8	3167030	0.65	0.391	391
J_16231	713442.7	3176679	0.65	0.306	306
J_15457	712225.5	3178200	0.65	0.891	891
J_14751	710814.8	3175190	0.65	0.89	890
J_17884	716630.7	3179598	0.66	0.445	445
J_15388	712085.9	3178446	0.66	0.438	438
J_6231	703636.7	3167305	0.66	0.617	617
J_1130	693954.3	3165752	0.66	0.906	906
J_15748	712688.2	3179037	0.66	5.141	5141
J_15640	712523.9	3180210	0.66	0.854	854
J_9337	706576.4	3172102	0.66	0.432	432
J_17832	716255.3	3177806	0.66	1.019	1019
J_7382	704747.9	3168857	0.66	0.454	454
J_14892	711093.3	3170768	0.67	0.057	57
J_9417	706659.8	3175491	0.67	0.411	411
J_5135	702487.3	3170697	0.67	0.18	180
J_7757	705120.8	3169011	0.67	0.915	915
J_10099	707167.4	3167977	0.67	0.075	75
J_252	685852.8	3156222	0.68	1.339	1339
J_14110	709856.1	3169670	0.68	0.211	211
J_8207	705594.6	3173772	0.68	0.672	672
J_4944	702264.4	3164292	0.68	0.48	480
J_4514	701795.4	3167388	0.68	0.347	347
J_9636	706864.1	3175219	0.68	0.466	466
J_14454	710229.7	3176662	0.68	2.341	2341
J_15827	712831.1	3174058	0.68	2.908	2908
J_6536	703908.5	3163740	0.68	1.098	1098
J_17426	715149.8	3176723	0.68	0.908	908
J_11954	708402.8	3172487	0.69	1.441	1441

J_1349	694687.1	3168038	0.69	1.141	1141
J_14378	710108.1	3177282	0.69	1.175	1175
J_15743	712679.1	3176644	0.69	1.956	1956
J_16447	713675.1	3171019	0.69	0.484	484
J_17003	714377.3	3173644	0.69	2.649	2649
J_4335	701577.7	3165395	0.7	2.071	2071
J_4577	701869.7	3161547	0.7	1.031	1031
J_12132	708581.3	3170679	0.7	0.536	536
J_1261	694336.1	3165678	0.7	0.406	406
J_11855	708283	3177517	0.7	0.169	169
J_11882	708314.1	3159133	0.7	0.694	694
J_4647	701944.9	3163946	0.7	1.214	1214
J_1292	694440	3165391	0.7	0.758	758
J_7413	704772.7	3167728	0.71	0.565	565
J_5825	703246.3	3168122	0.71	2.414	2414
J_15766	712735.8	3177420	0.71	1.037	1037
J_7120	704500.8	3169510	0.71	0.304	304
J_3425	700209.5	3162504	0.71	0.436	436
J_11867	708295	3174812	0.71	0.354	354
J_1213	694147	3166561	0.71	0.813	813
J_17174	714652	3176122	0.71	0.294	294
J_11446	708000.7	3169251	0.71	0.354	354
J_9114	706374.5	3168644	0.71	0.137	137
J_11182	707869.2	3170320	0.72	2.294	2294
J_13610	709580.6	3176611	0.72	0.437	437
J_579	691053.8	3166149	0.72	0.031	31
J_4385	701628.3	3164761	0.72	1.464	1464
J_14009	709801	3162815	0.72	5.563	5563
J_4381	701627.2	3163412	0.72	0.329	329
J_11472	708015.7	3170567	0.72	2.333	2333
J_1691	695895.5	3164820	0.72	0.114	114
J_15316	711980.7	3176317	0.72	2.941	2941
J_17262	714775.5	3176384	0.72	0.784	784
J_10377	707334.5	3170016	0.72	1.329	1329
J_10576	707471.3	3162492	0.73	2.76	2760
J_3393	700143.8	3161344	0.73	0.637	637
J_11732	708173.8	3169852	0.73	4.205	4205
J_7174	704554.4	3168815	0.73	1.197	1197
J_6170	703585.3	3171994	0.73	0.541	541
J_8500	705791.5	3165757	0.73	1.054	1054
J_16335	713548.4	3171290	0.73	1.209	1209

J_17395	715077.3	3174404	0.74	0.477	477
J_3500	700338	3157646	0.74	10.807	10807
J_14543	710406.9	3172281	0.74	0.623	623
J_287	686291.5	3157038	0.74	0.449	449
J_3478	700303	3162470	0.74	0.344	344
J_5402	702783.5	3163751	0.74	0.918	918
J_6535	703908	3171956	0.74	0.663	663
J_16146	713357.3	3171699	0.74	0.941	941
J_14734	710787	3175092	0.74	0.748	748
J_8722	706008.3	3168241	0.74	0.578	578
J_9218	706466.2	3171700	0.74	2.362	2362
J_6968	704353.3	3167266	0.75	1.003	1003
J_14606	710533.5	3171153	0.75	0.027	27
J_4322	701561.4	3163322	0.75	0.722	722
J_68	682563.4	3162748	0.75	1.348	1348
J_161	684104.4	3162467	0.75	0.435	435
J_15733	712662.2	3177463	0.75	0.669	669
J_16797	714043.9	3172210	0.75	2.075	2075
J_9226	706472.1	3170507	0.75	0.489	489
J_17731	715791.9	3176877	0.76	0.799	799
J_4648	701950.3	3157815	0.76	1.14	1140
J_8152	705546.6	3173675	0.76	1.57	1570
J_9462	706700.2	3175238	0.76	0.406	406
J_10278	707273.7	3172026	0.76	1.126	1126
J_12071	708521.5	3172812	0.76	3.13	3130
J_8166	705563.4	3170880	0.76	0.833	833
J_15953	713029.2	3179495	0.76	7.981	7981
J_16848	714122.1	3175759	0.76	0.723	723
J_16065	713254	3177467	0.77	0.716	716
J_15059	711586.1	3172580	0.77	1.371	1371
J_16847	714120	3176570	0.77	1.537	1537
J_7751	705116.6	3164914	0.77	0.78	780
J_14180	709902.7	3171253	0.77	0.848	848
J_16234	713445.2	3172423	0.77	0.444	444
J_16464	713687.3	3171007	0.77	1.37	1370
J_12836	708996.7	3168863	0.77	0.647	647
J_16328	713540.5	3171068	0.77	0.554	554
J_16856	714139.1	3172175	0.77	0.207	207
J_17485	715291	3174588	0.77	0.224	224
J_1010	693391.6	3160630	0.77	0.184	184
J_6526	703904.1	3169059	0.77	0.237	237

J_11254	707904.8	3169119	0.77	0.794	794
J_5544	702949.9	3166895	0.78	0.269	269
J_12133	708581.4	3170216	0.78	1.457	1457
J_11827	708251.7	3159317	0.78	0.433	433
J_16281	713489.7	3171960	0.78	0.779	779
J_4739	702063	3165075	0.78	4.723	4723
J_9039	706318.3	3156250	0.78	0.071	71
J_3202	699931.1	3166773	0.79	1.1	1100
J_4853	702176.7	3161928	0.79	1.069	1069
J_13880	709731	3176140	0.79	7.387	7387
J_13435	709464	3165729	0.79	21.866	21866
J_4189	701406.9	3160314	0.79	2.015	2015
J_12886	709030.6	3178115	0.79	0.339	339
J_2067	697600.9	3160923	0.79	0.018	18
J_3693	700657	3167018	0.79	5.844	5844
J_4434	701690.1	3167380	0.79	0.894	894
J_15149	711771.6	3179714	0.79	0.609	609
J_11738	708179.2	3172673	0.79	2.314	2314
J_13388	709431.6	3177513	0.79	2.468	2468
J_7340	704712.4	3165853	0.8	3.398	3398
J_5769	703208.2	3168133	0.8	0.719	719
J_4555	701850	3162671	0.8	1.134	1134
J_891	692853.8	3166423	0.8	1.812	1812
J_16307	713514.9	3177333	0.8	2.837	2837
J_7897	705280.1	3169709	0.8	0.399	399
J_16722	713965.6	3177332	0.8	0.49	490
J_2395	698359.6	3167484	0.8	2.248	2248
J_16260	713469.4	3171476	0.8	0.074	74
J_15219	711860.6	3175370	0.8	1.943	1943
J_11333	707945.7	3169091	0.8	0.089	89
J_4467	701730.7	3169900	0.8	0.464	464
J_10336	707309.1	3169321	0.81	0.482	482
J_1618	695636.2	3168921	0.81	1.982	1982
J_568	690953.8	3166141	0.81	0.106	106
J_10475	707412.3	3171883	0.81	1.975	1975
J_12782	708967.7	3177064	0.81	0.326	326
J_13276	709357.7	3168687	0.81	0.797	797
J_8415	705743.4	3163154	0.81	9.349	9349
J_12390	708731.7	3168496	0.82	0.254	254
J_10991	707741	3169532	0.82	1.607	1607
J_5248	702603	3168510	0.82	1.404	1404

J_7351	704721.3	3171156	0.82	0.525	525
J_752	692175.4	3164888	0.82	0.17	170
J_10926	707690.2	3169570	0.82	4.386	4386
J_14219	709929.9	3175533	0.82	0.943	943
J_3418	700195.1	3162858	0.83	0.902	902
J_8573	705853.5	3166299	0.83	3.322	3322
J_7563	704903.8	3170653	0.83	1.302	1302
J_14783	710863.4	3171044	0.83	1.695	1695
J_7471	704830.3	3166915	0.83	1.273	1273
J_11611	708095.8	3175518	0.83	0.721	721
J_9238	706482.6	3167415	0.83	0.669	669
J_7506	704854.5	3173636	0.84	3.061	3061
J_5290	702652.9	3170597	0.84	1.736	1736
J_16038	713207.5	3180555	0.84	3.605	3605
J_4227	701456.4	3167370	0.84	2.384	2384
J_8214	705603.7	3166522	0.84	2.307	2307
J_8993	706260.3	3174096	0.85	0.21	210
J_11205	707883.9	3174815	0.85	2.081	2081
J_11794	708214.8	3173320	0.85	0.898	898
J_4000	701159.1	3167023	0.85	0.642	642
J_5240	702594.7	3169711	0.85	1.646	1646
J_3875	700950.9	3167782	0.85	2.072	2072
J_15411	712133.8	3176189	0.85	1.548	1548
J_6838	704207.1	3164354	0.86	0.871	871
J_555	690853.8	3166134	0.86	0.005	5
J_10047	707137.2	3173810	0.86	1.865	1865
J_4246	701476.4	3162726	0.86	1.648	1648
J_13206	709291.4	3168978	0.86	0.309	309
J_11647	708118.1	3174822	0.86	3.722	3722
J_15367	712054.5	3179918	0.86	0.487	487
J_11055	707792.8	3171633	0.86	1.817	1817
J_1215	694151	3166661	0.86	0.268	268
J_14800	710892.8	3168183	0.86	1.165	1165
J_16763	714002.7	3176985	0.87	0.54	540
J_5016	702339.1	3168503	0.87	0.689	689
J_716	691986	3161839	0.87	0.817	817
J_14568	710473.2	3175241	0.87	1.665	1665
J_5267	702623.4	3164368	0.88	2.204	2204
J_6233	703638.1	3167504	0.88	1.32	1320
J_6335	703723.6	3168973	0.88	1.651	1651
J_10369	707329.7	3170038	0.88	4.005	4005

J_17864	716459.5	3177847	0.88	1.782	1782
J_3625	700566.9	3167017	0.88	2.978	2978
J_9953	707073.4	3169505	0.88	0.706	706
J_16425	713655.8	3171515	0.89	0.425	425
J_16355	713570	3171415	0.89	0.581	581
J_9661	706888.8	3172618	0.89	0.915	915
J_1426	694905.9	3168243	0.89	2.578	2578
J_6149	703575	3171981	0.89	0.351	351
J_16549	713780.7	3172307	0.89	0.524	524
J_10225	707240	3172926	0.89	1.028	1028
J_14530	710375.9	3177642	0.9	2.759	2759
J_12362	708708.5	3170026	0.9	2.964	2964
J_15372	712063.1	3180266	0.9	1.405	1405
J_8390	705724.3	3156468	0.9	9.218	9218
J_3027	699591.1	3170823	0.9	4.668	4668
J_11434	707991.8	3170779	0.9	0.666	666
J_16264	713476.6	3177726	0.9	0.036	36
J_6309	703698.8	3167352	0.9	1.191	1191
J_811	692472.4	3165293	0.9	1.845	1845
J_6107	703531.5	3166225	0.9	60.102	60102
J_8393	705727.7	3175477	0.9	1.359	1359
J_4603	701901.1	3167018	0.91	1.121	1121
J_11874	708303.8	3171347	0.91	4.261	4261
J_2512	698624.4	3165921	0.91	1.21	1210
J_10962	707722.3	3172176	0.92	0.483	483
J_13346	709403.7	3168025	0.92	0.173	173
J_5225	702582.2	3170663	0.92	0.54	540
J_14174	709898.5	3162851	0.92	2.442	2442
J_1049	693599.2	3161494	0.92	1.574	1574
J_12622	708882.9	3170074	0.92	0.685	685
J_5449	702858.5	3170559	0.92	0.581	581
J_12115	708558.6	3173075	0.92	0.259	259
J_1557	695370.1	3165599	0.93	0.624	624
J_5391	702765.5	3162636	0.93	4.5	4500
J_11787	708208.7	3171316	0.93	0.401	401
J_4705	702020.2	3163898	0.93	8.47	8470
J_15909	712951.2	3178758	0.93	2.217	2217
J_11792	708213.7	3169985	0.93	0.936	936
J_7855	705227.2	3169280	0.94	1.548	1548
J_3228	699965.7	3158237	0.94	1.402	1402
J_9434	706670.8	3172134	0.94	2.133	2133

J_16544	713777	3171788	0.95	1.105	1105
J_2346	698245.3	3167503	0.95	1.023	1023
J_8708	705987	3168263	0.95	3.465	3465
J_4067	701268.6	3160671	0.95	1.848	1848
J_8958	706233.5	3170925	0.96	0.847	847
J_314	686723.4	3157828	0.96	0.75	750
J_9644	706871.9	3172508	0.96	1.979	1979
J_6446	703840.2	3156903	0.96	0.942	942
J_8194	705582.7	3171865	0.97	3.383	3383
J_999	693318.5	3166924	0.97	2.69	2690
J_12666	708901.7	3175553	0.97	1.491	1491
J_4014	701178.3	3160000	0.97	3.379	3379
J_15862	712877	3178842	0.97	0.624	624
J_16389	713613.5	3171541	0.99	0.312	312
J_6089	703518.4	3164647	0.99	2.286	2286
J_14971	711323.3	3171026	0.99	0.297	297
J_17304	714866.6	3179041	1	1.265	1265
J_7478	704838.8	3166901	1	0.268	268
J_11479	708018.2	3177204	1	0.804	804
J_16012	713167.8	3177456	1	0.319	319
J_14789	710869.2	3178781	1	2.56	2560
J_16003	713153.5	3177496	1.01	0.765	765
J_14109	709855.1	3163515	1.01	2.701	2701
J_3610	700544.6	3165152	1.01	4.005	4005
J_12141	708588.2	3175879	1.01	1.839	1839
J_3989	701137	3167311	1.02	0.253	253
J_7182	704564.1	3158224	1.02	0.377	377
J_9968	707082.9	3167050	1.02	7.789	7789
J_9300	706529.8	3175504	1.02	0.595	595
J_1824	696497.9	3160919	1.02	0.648	648
J_7194	704579.8	3167906	1.02	4.179	4179
J_14205	709920.1	3174898	1.03	2.134	2134
J_8208	705596.6	3170808	1.04	1.029	1029
J_138	683872	3162465	1.04	1.805	1805
J_2880	699382.5	3169275	1.04	2.188	2188
J_2702	698993.6	3166030	1.05	2.461	2461
J_2196	697933.8	3166713	1.05	1.754	1754
J_8338	705686.1	3168794	1.05	0.278	278
J_1007	693378.4	3161343	1.06	1.116	1116
J_4693	702000.4	3170195	1.06	0.566	566
J_73	682696.2	3162748	1.07	0.741	741

J_2572	698721.5	3165879	1.09	0.499	499
J_8301	705665.2	3174172	1.09	1.704	1704
J_265	685923.3	3156402	1.09	3.289	3289
J_10034	707128	3172453	1.1	2.926	2926
J_17779	715936.3	3178388	1.1	4.035	4035
J_6885	704268.8	3163536	1.1	1.729	1729
J_520	690551	3162503	1.1	46.299	46299
J_17744	715845.8	3178436	1.11	1.832	1832
J_9663	706889.2	3170093	1.12	3.728	3728
J_5495	702891.3	3163910	1.13	1.364	1364
J_736	692122.9	3164801	1.13	1.767	1767
J_1354	694704.7	3165332	1.14	2.555	2555
J_14908	711149.8	3177026	1.16	9.962	9962
J_10082	707156.2	3167985	1.16	0.255	255
J_2486	698568.1	3164092	1.17	15.707	15707
J_11980	708428.1	3175229	1.19	1.215	1215
J_7011	704375.5	3169593	1.21	0.613	613
J_4789	702111.5	3168749	1.23	0.78	780
J_9727	706939.4	3168917	1.24	3.027	3027
J_5156	702512.4	3168468	1.25	1.245	1245
J_14701	710714.1	3175023	1.25	3.073	3073
J_9225	706471.3	3171043	1.26	2.563	2563
J_3902	700991.1	3163545	1.26	5.949	5949
J_4149	701353.9	3167891	1.26	1.99	1990
J_2384	698329.9	3166958	1.26	1.464	1464
J_14162	709890.4	3163678	1.26	0.717	717
J_16984	714336	3172094	1.28	2.857	2857
J_6993	704366.5	3163489	1.28	0.792	792
J_11512	708034.9	3169046	1.28	0.185	185
J_12166	708601	3170262	1.29	2.387	2387
J_10436	707375.6	3175135	1.29	0.282	282
J_15274	711921	3175285	1.29	6.142	6142
J_14052	709823	3170623	1.29	1.31	1310
J_15724	712640.9	3179101	1.3	10.279	10279
J_15086	711643	3170808	1.31	0.374	374
J_12112	708556.9	3173048	1.31	1.728	1728
J_5310	702679.7	3164357	1.33	3.306	3306
J_7014	704378.2	3163483	1.33	0.912	912
J_8025	705436.6	3171860	1.33	2.749	2749
J_16460	713684.9	3171346	1.34	0.3	300
J_15750	712696.5	3176360	1.34	1.279	1279

J_12102	708548.2	3177090	1.34	2.352	2352
J_1003	693350.3	3166550	1.35	2.188	2188
J_17809	716128	3179177	1.35	1.077	1077
J_13390	709432.8	3175417	1.36	1.375	1375
J_7422	704782.7	3170542	1.36	1.376	1376
J_545	690753.8	3166128	1.37	0.153	153
J_6490	703880.8	3172238	1.37	2.293	2293
J_13857	709720.1	3170560	1.38	0.855	855
J_14136	709871.3	3174597	1.38	1.909	1909
J_4394	701641.1	3163735	1.39	0.61	610
J_6637	704016.8	3173204	1.39	1.436	1436
J_3634	700580.9	3162535	1.39	5.003	5003
J_13377	709424.2	3172806	1.4	4.18	4180
J_15496	712306	3178115	1.41	2.391	2391
J_312	686675.3	3157740	1.41	1.367	1367
J_9149	706403.2	3169287	1.42	1.615	1615
J_17109	714554.6	3172693	1.43	2.262	2262
J_2795	699185.4	3167557	1.43	2.542	2542
J_11113	707832.5	3168276	1.43	3.657	3657
J_17524	715343.5	3177703	1.44	0.968	968
J_8976	706248.8	3175493	1.44	0.247	247
J_5760	703194	3169717	1.46	1.767	1767
J_16309	713518.3	3171070	1.46	2.47	2470
J_5959	703393.5	3172321	1.46	1.421	1421
J_8809	706080.6	3168241	1.46	5.345	5345
J_16521	713760.6	3171164	1.47	0.976	976
J_12282	708670.6	3168835	1.48	0.331	331
J_14143	709875.6	3171211	1.49	0.693	693
J_10851	707627.5	3170243	1.5	1.232	1232
J_13246	709331.1	3169563	1.5	1.16	1160
J_15610	712477.1	3175826	1.51	5.236	5236
J_1052	693607.7	3165749	1.51	1.43	1430
J_2076	697632	3163132	1.51	3.416	3416
J_12957	709085.1	3169383	1.52	0.253	253
J_11938	708379.6	3172671	1.53	2.616	2616
J_7648	704995.9	3167282	1.54	4.716	4716
J_6991	704366.1	3168553	1.54	2.137	2137
J_16298	713508.2	3171949	1.55	0.994	994
J_10227	707242.7	3175270	1.55	2.027	2027
J_7109	704494	3167663	1.56	2.111	2111
J_11819	708241.2	3171014	1.56	1.527	1527

J_15529	712352.2	3178049	1.56	4.621	4621
J_5099	702442.6	3165664	1.56	5.579	5579
J_9779	706970.5	3170947	1.57	2.194	2194
J_1636	695732	3164329	1.57	4.367	4367
J_17340	714970.4	3177468	1.58	2.913	2913
J_17265	714784.9	3176045	1.58	2.289	2289
J_8696	705968	3165893	1.58	0.545	545
J_1216	694162.3	3166761	1.59	7.643	7643
J_3487	700315	3169850	1.61	2.546	2546
J_1116	693919.6	3166958	1.61	1.483	1483
J_511	690453.9	3166107	1.61	0.608	608
J_8693	705965.6	3170095	1.61	15.545	15545
J_12741	708941.5	3170155	1.62	0.64	640
J_13788	709682.7	3174839	1.64	9.123	9123
J_1599	695568.2	3168848	1.64	13.419	13419
J_9222	706470.3	3167404	1.64	1.377	1377
J_12793	708972.6	3165184	1.65	51.274	51274
J_3092	699700.6	3166531	1.66	21.209	21209
J_8325	705679.6	3170471	1.66	1.88	1880
J_9570	706801.3	3168114	1.67	2.22	2220
J_15413	712135.8	3173243	1.69	4.482	4482
J_2472	698532	3162942	1.69	1.458	1458
J_1036	693531.3	3161408	1.69	1.056	1056
J_294	686388.1	3157213	1.69	34.485	34485
J_42	682113.7	3160398	1.7	0.204	204
J_7590	704929.3	3166946	1.71	4.022	4022
J_4804	702121	3161845	1.72	7.528	7528
J_8683	705959.2	3163075	1.72	29.596	29596
J_12343	708697.4	3177247	1.73	2.094	2094
J_10356	707321.4	3171554	1.73	3.276	3276
J_2786	699170.3	3171429	1.74	1.689	1689
J_16961	714303	3173459	1.75	7.176	7176
J_15924	712986.9	3177549	1.75	1.179	1179
J_7708	705070.3	3171077	1.76	3.391	3391
J_8642	705926.1	3173248	1.77	9.009	9009
J_1002	693350.3	3166534	1.77	2.254	2254
J_9230	706475.2	3171211	1.77	0.954	954
J_17503	715315.5	3175396	1.78	3.645	3645
J_13509	709512.7	3174984	1.78	4.656	4656
J_16752	713993.6	3176682	1.8	1.98	1980
J_12292	708675.6	3177246	1.8	1.957	1957

J_522	690554	3166080	1.81	1.49	1490
J_11945	708394.4	3176604	1.82	3.331	3331
J_7935	705342.5	3169785	1.84	4.132	4132
J_9507	706754	3173997	1.84	1.948	1948
J_3730	700710	3162093	1.84	3.662	3662
J_16707	713937.2	3171229	1.84	8.944	8944
J_3513	700360.1	3167016	1.84	7.925	7925
J_11148	707853.3	3171743	1.85	2.824	2824
J_13745	709662.8	3170260	1.86	3.076	3076
J_13599	709577.8	3170298	1.86	5.174	5174
J_7465	704824	3170698	1.86	1.15	1150
J_8172	705569.3	3173772	1.86	3.619	3619
J_987	693222.3	3161271	1.86	0.511	511
J_6799	704181.9	3167204	1.86	3.936	3936
J_15227	711871.4	3179582	1.86	3.033	3033
J_11487	708023.4	3170549	1.87	9.39	9390
J_14818	710919.4	3178912	1.88	19.336	19336
J_2278	698109.3	3166971	1.89	3.657	3657
J_10067	707148.4	3175141	1.89	41.342	41342
J_5436	702846.1	3168316	1.9	8.902	8902
J_15705	712616.3	3177386	1.9	14.007	14007
J_14099	709851.1	3169524	1.94	0.541	541
J_1033	693519.4	3166667	1.95	2.934	2934
J_17752	715872.2	3178036	1.95	2.566	2566
J_970	693141.1	3160808	1.95	11.187	11187
J_15732	712655.8	3180006	1.96	5.935	5935
J_3219	699949.2	3163137	1.96	8.366	8366
J_13025	709125.2	3173324	1.97	9.91	9910
J_4279	701518.3	3167379	1.98	0.744	744
J_6416	703800.1	3170017	1.99	1.416	1416
J_4448	701703	3168046	1.99	6.684	6684
J_16604	713834.7	3171257	1.99	0.482	482
J_379	687946.7	3157507	2	3.626	3626
J_7105	704488.1	3168610	2.01	2.809	2809
J_15655	712535.5	3169947	2.02	2.36	2360
J_4297	701534.5	3161513	2.05	4.119	4119
J_809	692463.3	3165301	2.05	9.032	9032
J_16265	713476.9	3172922	2.06	4.719	4719
J_10142	707198.4	3172137	2.06	16.586	16586
J_15620	712493.7	3179904	2.06	9.57	9570
J_16428	713657	3177348	2.06	9.851	9851

J_5064	702416.9	3170628	2.07	1.016	1016
J_8399	705733	3163130	2.07	22.681	22681
J_11606	708093.4	3171485	2.08	1.786	1786
J_8050	705453.9	3165669	2.08	8.157	8157
J_14269	709976.3	3166102	2.08	9.879	9879
J_17256	714763.3	3180176	2.09	122.824	122824
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J_16198	713410.8	3173349	2.1	1.241	1241
J_6025	703468.7	3164947	2.1	2.72	2720
J_3377	700123.5	3167170	2.1	1.348	1348
J_5174	702525	3169329	2.12	8.474	8474
J_13231	709319.6	3172331	2.12	2.071	2071
J_9884	707030.6	3170869	2.13	0.187	187
J_11295	707928.5	3171212	2.13	4.186	4186
J_2917	699443.4	3167082	2.13	10.479	10479
J_8240	705628.6	3170738	2.14	2.301	2301
J_6226	703632.9	3167604	2.14	3.364	3364
J_14527	710370	3166046	2.14	14.646	14646
J_11531	708046.2	3177243	2.15	1.205	1205
J_196	684518.8	3157751	2.15	1.65	1650
J_8274	705651.3	3169621	2.18	2.318	2318
J_4737	702061.3	3161766	2.18	6.358	6358
J_8190	705581.9	3163188	2.18	3.052	3052
J_9559	706796.4	3169272	2.19	10.258	10258
J_6395	703784.5	3172062	2.19	1.234	1234
J_16597	713828.1	3170896	2.19	4.08	4080
J_12039	708498.4	3176115	2.19	2.752	2752
J_14833	710943.1	3179015	2.2	9.251	9251
J_13357	709412.1	3177525	2.23	7.47	7470
J_12881	709026	3169443	2.24	0.165	165
J_3378	700123.9	3167249	2.24	1.592	1592
J_54	682351.7	3163275	2.24	6.542	6542
J_3206	699931.9	3166354	2.25	1.809	1809
J_7130	704508	3167563	2.25	2.916	2916
J_11203	707882.7	3165381	2.25	16.136	16136
J_16052	713221.3	3169820	2.26	0.32	320
J_7492	704847.9	3167543	2.27	0.827	827
J_1205	694135.9	3166249	2.27	10.108	10108
J_15581	712433.9	3173212	2.28	6.905	6905
J_2442	698459.4	3167478	2.28	10.592	10592
J_14780	710861.8	3180051	2.3	9.536	9536

J_4081	701285	3167321	2.31	4.763	4763
J_910	692921.3	3161012	2.31	1.819	1819
J_12173	708603.5	3173246	2.32	3.121	3121
J_17686	715702.3	3177842	2.33	2.099	2099
J_2904	699426	3163760	2.35	12.621	12621
J_10783	707586.6	3175364	2.35	3.636	3636
J_2648	698891	3170046	2.35	5.876	5876
J_9640	706865.9	3172621	2.35	2.175	2175
J_12617	708880.8	3168618	2.35	6.445	6445
J_14480	710276.8	3170999	2.36	4.462	4462
J_6227	703634	3168929	2.36	3.895	3895
J_5848	703259.2	3169918	2.36	3.213	3213
J_851	692689.3	3167075	2.38	1.485	1485
J_7720	705077.3	3170763	2.38	3.076	3076
J_10313	707296.8	3172348	2.38	6.987	6987
J_10211	707235.1	3170808	2.39	8.803	8803
J_12877	709025.4	3169438	2.4	0.195	195
J_14876	711042.1	3177774	2.4	5.179	5179
J_2500	698591.1	3158630	2.41	1.9	1900
J_3247	700001.1	3161028	2.42	2.445	2445
J_2802	699194.6	3163935	2.42	13.694	13694
J_9470	706711	3172167	2.43	8.64	8640
J_8258	705639.7	3173159	2.44	2.857	2857
J_1777	696249.3	3169580	2.44	15.636	15636
J_290	686339.9	3157125	2.45	23.924	23924
J_11785	708208	3171069	2.46	2.213	2213
J_2429	698432	3162963	2.46	3.806	3806
J_3005	699558.6	3164121	2.46	5.194	5194
J_16454	713679.8	3171846	2.47	2.061	2061
J_5041	702384.5	3164399	2.47	8.887	8887
J_14648	710603.4	3174084	2.47	10.819	10819
J_5800	703233	3170320	2.47	4.594	4594
J_10879	707646.5	3173880	2.49	14.796	14796
J_9650	706880	3172720	2.49	6.009	6009
J_9920	707049.3	3172697	2.5	1.637	1637
J_16258	713466.9	3170943	2.5	2.257	2257
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J_7926	705332.1	3175327	2.5	0.428	428
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J_4284	701522.8	3167959	2.52	4.705	4705
J_4584	701880.3	3167382	2.52	1.696	1696

J_16799	714050.4	3175822	2.52	4.075	4075
J_3604	700528.9	3158094	2.52	6.209	6209
J_13483	709493	3177740	2.52	1.592	1592
J_6909	704286.6	3172210	2.53	3.25	3250
J_10941	707701.2	3170290	2.53	3.16	3160
J_3738	700725.1	3167016	2.53	7.032	7032
J_1331	694601.2	3165333	2.53	7.509	7509
J_1445	694968.7	3165402	2.54	1.32	1320
J_14233	709942.8	3177481	2.54	5.459	5459
J_2944	699470.6	3164184	2.54	16.621	16621
J_8151	705546.5	3163198	2.55	14.507	14507
J_4066	701267.6	3165656	2.56	3.882	3882
J_4280	701518.4	3161098	2.57	9.374	9374
J_13542	709536.1	3170206	2.57	6.296	6296
J_2435	698437.5	3171033	2.57	2.89	2890
J_17609	715484.3	3178460	2.57	2.868	2868
J_11157	707855.9	3170338	2.58	9.041	9041
J_6959	704347.4	3157888	2.59	3.747	3747
J_17409	715110.3	3174911	2.59	5.54	5540
J_496	690367.8	3162101	2.59	1.276	1276
J_9844	707010.4	3176302	2.6	17.19	17190
J_3297	700060.7	3162723	2.6	11.339	11339
J_7433	704796.7	3167631	2.6	2.59	2590
J_3329	700088	3164532	2.61	16.486	16486
J_3531	700399.2	3161018	2.62	2.31	2310
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J_1170	694026	3169891	2.62	9.101	9101
J_1969	697214	3169568	2.64	10.592	10592
J_15064	711594.7	3168652	2.64	7.847	7847
J_12986	709101	3171747	2.64	18.258	18258
J_8103	705502.3	3173384	2.64	4.616	4616
J_14547	710422.3	3172267	2.64	2.04	2040
J_9064	706348.3	3171336	2.65	5.894	5894
J_15903	712942.7	3169985	2.65	0.629	629
J_1011	693394.1	3166562	2.65	8.702	8702
J_1454	695015.1	3165472	2.66	2.839	2839
J_7263	704647.7	3167454	2.66	1.098	1098
J_14098	709850.3	3172265	2.67	0.961	961
J_14775	710852.3	3171029	2.67	3.503	3503
J_16674	713899.8	3176035	2.67	8.39	8390
J_5978	703413.8	3169669	2.68	3.421	3421

J_15682	712582.6	3179170	2.68	13.131	13131
J_4117	701325.3	3165616	2.7	5.35	5350
J_7393	704753.5	3170761	2.7	2.272	2272
J_158	684055.6	3157323	2.71	3.182	3182
J_14195	709913	3176846	2.71	2.849	2849
J_12974	709094	3175769	2.71	17.525	17525
J_7380	704747.6	3167468	2.72	1.208	1208
J_8092	705490.5	3171037	2.73	4.74	4740
J_11644	708115.5	3173332	2.76	2.113	2113
J_11618	708099.5	3177287	2.76	1.313	1313
J_16379	713598.3	3171397	2.76	0.431	431
J_1668	695855.1	3159295	2.76	36.19	36190
J_14435	710195.9	3168905	2.77	4.403	4403
J_14426	710182.2	3172351	2.78	7.251	7251
J_15667	712559.5	3169478	2.78	12.606	12606
J_15958	713036.7	3179482	2.78	45.142	45142
J_5481	702879.8	3166897	2.81	14.32	14320
J_974	693151.1	3166512	2.81	8.187	8187
J_4272	701509.4	3161500	2.82	12.908	12908
J_13604	709579.1	3165182	2.82	26.526	26526
J_9067	706348.6	3156306	2.83	17.404	17404
J_3993	701145.1	3167829	2.83	8.426	8426
J_284	686201.2	3157044	2.83	8.509	8509
J_1107	693905.1	3160104	2.84	42.799	42799
J_14928	711189.1	3179665	2.85	4.229	4229
J_12421	708749.9	3177312	2.86	3.453	3453
J_6498	703886.2	3172234	2.86	11.721	11721
J_2410	698398.2	3165212	2.87	12.904	12904
J_11509	708032.9	3177191	2.87	1.456	1456
J_14327	710043.4	3169186	2.88	5.801	5801
J_4974	702293.7	3157624	2.88	1.943	1943
J_7232	704615.6	3169270	2.89	2.4	2400
J_5703	703150.6	3172438	2.89	3.216	3216
J_10144	707199	3164139	2.89	1.384	1384
J_10030	707124.7	3175794	2.9	4.839	4839
J_5152	702508.1	3169305	2.9	1.095	1095
J_6815	704195.7	3167461	2.9	12.125	12125
J_1323	694553.9	3167882	2.9	0.394	394
J_8985	706253.5	3175653	2.91	9.657	9657
J_12168	708602.4	3177157	2.92	4.445	4445
J_7453	704816.6	3169461	2.94	2.912	2912

J_16865	714151.9	3171597	2.94	8.888	8888
J_7654	705009	3169297	2.95	6.868	6868
J_15169	711798.1	3175559	2.95	12.536	12536
J_4095	701294.1	3161691	2.95	0.82	820
J_4690	701997	3163866	2.95	24.152	24152
J_378	687945.7	3157413	2.95	1.837	1837
J_1815	696447.8	3163756	2.95	5.364	5364
J_10656	707513.4	3169627	2.95	3.023	3023
J_7036	704397.2	3169014	2.96	7.558	7558
J_11736	708175.1	3171177	2.96	1.519	1519
J_1475	695097.9	3165591	2.96	5.959	5959
J_521	690553.8	3166066	2.97	3.635	3635
J_16238	713450.7	3171641	2.98	2.485	2485
J_7873	705251.3	3173099	2.99	1.347	1347
J_17055	714457.7	3177669	2.99	36.159	36159
J_277	686090.5	3157038	2.99	9.859	9859
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J_16339	713550	3171579	3.02	0.485	485
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J_9761	706958.5	3169441	3.02	6.81	6810
J_5131	702485.9	3165640	3.03	16.904	16904
J_8403	705735.4	3173157	3.03	4.328	4328
J_1619	695640.6	3165452	3.04	1.527	1527
J_2288	698122.6	3167259	3.06	7.852	7852
J_829	692553.8	3166346	3.07	9.39	9390
J_2499	698590.7	3170270	3.07	37.585	37585
J_6037	703480.4	3164847	3.08	5.058	5058
J_9573	706806.7	3175511	3.08	2.567	2567
J_2471	698530.3	3170863	3.08	11.282	11282
J_1703	695907	3166185	3.08	41.456	41456
J_7796	705159.1	3168136	3.09	15.739	15739
J_15077	711634.4	3170385	3.09	3.566	3566
J_1128	693953	3166935	3.09	5.596	5596
J_261	685898	3156311	3.09	28.615	28615
J_8234	705619.3	3169081	3.09	5.464	5464
J_2473	698532.5	3167448	3.1	4.119	4119
J_7023	704383.5	3164418	3.11	8.907	8907
J_15871	712902.2	3177578	3.11	4.272	4272
J_14516	710350.6	3176705	3.12	4.468	4468
J_13119	709201.2	3172512	3.12	2.093	2093
J_7173	704554.2	3173111	3.13	23.011	23011

J_4681	701986.6	3161708	3.13	16.558	16558
J_16114	713322.8	3173361	3.14	0.212	212
J_16396	713624.2	3176553	3.15	2.314	2314
J_10950	707707.9	3176689	3.15	15.117	15117
J_5533	702937.5	3163998	3.16	8.924	8924
J_8741	706021.5	3173278	3.17	7.164	7164
J_7277	704654.5	3158405	3.18	3.691	3691
J_7227	704611.7	3170617	3.18	7.138	7138
J_7183	704569	3168018	3.18	13.836	13836
J_15873	712903.7	3177339	3.19	8.706	8706
J_7646	704994.3	3169367	3.19	4.674	4674
J_16342	713553.3	3171425	3.2	0.558	558
J_11810	708229.2	3170993	3.2	2.242	2242
J_2222	697983.2	3161122	3.2	7.398	7398
J_3949	701066	3167845	3.2	21.493	21493
J_6674	704050.4	3164710	3.2	10.859	10859
J_13024	709124.8	3173645	3.2	34.404	34404
J_5621	703028.7	3169886	3.2	8.404	8404
J_15627	712502.1	3175366	3.21	13.403	13403
J_16726	713966.9	3175931	3.23	2.747	2747
J_13733	709659.1	3170239	3.24	9.219	9219
J_15834	712837.6	3170322	3.25	0.372	372
J_2833	699280.2	3163896	3.25	10.164	10164
J_13580	709566.7	3165149	3.25	10.962	10962
J_10972	707729.6	3170674	3.25	14	14000
J_2077	697648.1	3160995	3.25	3.717	3717
J_12838	708997.7	3177030	3.26	3.668	3668
J_8336	705684.6	3168695	3.27	7.504	7504
J_12279	708669.7	3173184	3.28	8.557	8557
J_2609	698797.6	3166284	3.29	3.383	3383
J_2463	698501.6	3166710	3.29	7.234	7234
J_7412	704771.1	3167835	3.29	5.596	5596
J_14484	710286.3	3176645	3.29	9.49	9490
J_11124	707838.8	3173386	3.29	12.434	12434
J_17246	714729.5	3176409	3.3	7.518	7518
J_2878	699381.1	3169152	3.31	18.076	18076
J_4031	701197.3	3167843	3.31	9.283	9283
J_17292	714835.1	3175970	3.32	11.976	11976
J_5556	702961	3164296	3.32	15.448	15448
J_311	686662.6	3159834	3.32	7.373	7373
J_988	693228.4	3166970	3.33	7.865	7865

J_1838	696599.7	3160919	3.33	3.676	3676
J_1283	694411.1	3167742	3.33	3.501	3501
J_13010	709117.9	3169231	3.34	2.205	2205
J_6405	703790.5	3172272	3.34	1.418	1418
J_16174	713387	3171530	3.35	0.16	160
J_2344	698241.4	3167091	3.36	4.239	4239
J_6804	704186.6	3167222	3.37	3.263	3263
J_895	692870.6	3167043	3.37	1.59	1590
J_3291	700057.4	3167629	3.37	10.605	10605
J_6711	704088.2	3172235	3.39	0.947	947
J_2492	698582	3166596	3.4	2.034	2034
J_8534	705828.3	3165750	3.4	1.139	1139
J_11883	708314.2	3173309	3.41	4.357	4357
J_5830	703248.6	3170319	3.42	6.288	6288
J_8492	705785.2	3166883	3.42	6.771	6771
J_1262	694344.9	3167667	3.42	2.717	2717
J_3191	699919.5	3166419	3.43	19.822	19822
J_14427	710184.4	3170888	3.43	3.389	3389
J_16256	713465.1	3177742	3.45	0.091	91
J_16443	713670.3	3170305	3.46	9.241	9241
J_15794	712770	3172682	3.47	19.649	19649
J_14006	709800.2	3171207	3.47	2.936	2936
J_13126	709215.6	3166622	3.47	12.651	12651
J_12903	709048.6	3173399	3.47	2.957	2957
J_636	691494.2	3159090	3.48	11.258	11258
J_13092	709180.6	3177984	3.48	3.923	3923
J_15816	712815.4	3178910	3.48	13.697	13697
J_16165	713379.7	3172942	3.49	9.401	9401
J_9930	707053.9	3176081	3.49	7.776	7776
J_7102	704483.5	3164459	3.49	7.394	7394
J_17697	715716	3177750	3.49	3.588	3588
J_14218	709929.3	3175411	3.49	9.492	9492
J_1099	693872.3	3167082	3.49	5.378	5378
J_13391	709433.1	3168442	3.5	2.044	2044
J_1692	695895.5	3165537	3.5	13.612	13612
J_14050	709821.8	3166127	3.5	6.29	6290
J_5890	703301.1	3157548	3.51	21.139	21139
J_852	692693.2	3167797	3.51	7.115	7115
J_9947	707070.9	3172795	3.52	1.153	1153
J_7985	705386.5	3175329	3.52	4.729	4729
J_6471	703863.8	3169807	3.52	6.375	6375

J_16308	713517.5	3171029	3.53	8.524	8524
J_4697	702002.6	3161685	3.54	21.628	21628
J_16361	713575.1	3171564	3.54	2.361	2361
J_14374	710095.8	3171917	3.55	3.075	3075
J_13397	709436.4	3168242	3.55	4.515	4515
J_14952	711263.3	3172772	3.56	9.772	9772
J_8954	706230.7	3156073	3.57	10.213	10213
J_5157	702512.4	3169376	3.58	12.035	12035
J_6602	703987.6	3169767	3.58	13.615	13615
J_15673	712571.3	3169629	3.58	2.813	2813
J_8294	705658	3169394	3.59	8.508	8508
J_5804	703234.1	3170418	3.59	1.934	1934
J_13523	709523.4	3170217	3.59	13.457	13457
J_16702	713932.4	3176035	3.6	19.093	19093
J_4274	701515.2	3169295	3.6	5.164	5164
J_8120	705524.6	3169617	3.61	5.07	5070
J_3442	700244.5	3169925	3.62	3.397	3397
J_14431	710187.6	3164150	3.62	17.296	17296
J_15125	711719.4	3175748	3.62	15.178	15178
J_2131	697755.8	3165157	3.63	7.946	7946
J_8451	705764.4	3174159	3.64	3.463	3463
J_1361	694746.4	3164641	3.64	0.689	689
J_12247	708645.4	3175643	3.65	41.431	41431
J_7608	704946.2	3167369	3.65	10.195	10195
J_12775	708962.4	3175539	3.65	9.48	9480
J_8725	706011.5	3167192	3.65	30.546	30546
J_5809	703237	3157472	3.66	3.709	3709
J_14799	710890.8	3172608	3.67	3.14	3140
J_805	692453.8	3166315	3.67	4.852	4852
J_2357	698259.4	3167662	3.67	14.109	14109
J_15796	712771.9	3174849	3.68	8.305	8305
J_6744	704124	3167253	3.69	13.466	13466
J_16162	713377.6	3173451	3.7	0.429	429
J_8786	706060.3	3175674	3.71	19.849	19849
J_2565	698708.3	3166029	3.71	9.828	9828
J_1023	693465	3166578	3.72	30.889	30889
J_4572	701863.8	3170048	3.72	2.097	2097
J_8543	705834	3166551	3.74	7.035	7035
J_4388	701633.6	3165373	3.74	19.962	19962
J_13341	709400	3166308	3.74	13.813	13813
J_2351	698246.2	3170897	3.74	43.702	43702

J_1284	694413.2	3165922	3.75	10.744	10744
J_16391	713619.8	3171249	3.76	11.74	11740
J_5023	702347.1	3170555	3.78	1.937	1937
J_10038	707130.2	3162960	3.78	8.707	8707
J_10602	707485.7	3164720	3.78	119.647	119647
J_3799	700809.2	3159077	3.8	14.015	14015
J_10625	707495	3175899	3.8	32.83	32830
J_7707	705069.6	3174245	3.8	25.402	25402
J_14903	711113.8	3174672	3.81	15.998	15998
J_8169	705565.9	3165448	3.82	0.294	294
J_17880	716607.2	3179560	3.82	51.399	51399
J_4226	701456.1	3167022	3.83	14.778	14778
J_9304	706533.1	3168949	3.83	10.891	10891
J_10690	707530.5	3173734	3.84	18.603	18603
J_16537	713773.7	3171156	3.84	6.534	6534
J_15964	713051.8	3170363	3.85	1.364	1364
J_705	691932.7	3168986	3.85	10.345	10345
J_12959	709086.3	3169228	3.86	0.021	21
J_8967	706244.6	3175306	3.86	6.546	6546
J_14692	710683.8	3171223	3.86	9.031	9031
J_3766	700755.4	3167740	3.87	22.326	22326
J_9561	706797.4	3168911	3.88	7.945	7945
J_12790	708970.7	3170196	3.89	11.363	11363
J_4365	701613.1	3168002	3.89	17.635	17635
J_16292	713502.1	3177810	3.89	1.911	1911
J_14990	711391.2	3177434	3.9	36.65	36650
J_16851	714129.1	3176589	3.9	6.503	6503
J_7252	704634.3	3170394	3.9	5.829	5829
J_6865	704237.2	3164641	3.91	3.233	3233
J_8643	705926.3	3173217	3.93	15.738	15738
J_12038	708497.5	3176547	3.93	10.902	10902
J_15175	711811.4	3175790	3.93	4.421	4421
J_15420	712148.2	3175991	3.93	3.242	3242
J_14996	711405.1	3170449	3.94	38.76	38760
J_11459	708009.2	3173367	3.94	3.946	3946
J_1852	696655.1	3160918	3.94	13.455	13455
J_13267	709347.5	3175911	3.95	5.601	5601
J_9548	706788.2	3170423	3.96	15.588	15588
J_4623	701923.8	3169640	3.97	4.255	4255
J_7159	704547.3	3158238	3.97	3.892	3892
J_5819	703240.7	3169694	3.97	2.754	2754

J_17425	715149.3	3174939	3.98	4.196	4196
J_2984	699536.4	3166931	3.99	36.634	36634
J_11939	708383	3170064	4	24.863	24863
J_2494	698585.8	3170780	4	2.196	2196
J_16093	713289	3169780	4.02	1.135	1135
J_78	682822.5	3162589	4.02	7.775	7775
J_16270	713480.9	3177801	4.03	10.899	10899
J_6141	703566.8	3165447	4.04	0.766	766
J_722	692032.2	3168809	4.06	39.893	39893
J_16444	713673.2	3177400	4.06	14.089	14089
J_9157	706407.6	3170974	4.07	22.724	22724
J_1068	693697.9	3165750	4.07	10.361	10361
J_16719	713955.8	3172085	4.08	17.497	17497
J_5686	703128.7	3169891	4.08	10.647	10647
J_8742	706021.8	3173247	4.09	3.18	3180
J_2041	697499.7	3160921	4.09	0.771	771
J_307	686579.7	3157564	4.11	11.992	11992
J_6603	703989	3172247	4.13	9.787	9787
J_3731	700711.9	3159398	4.14	9.72	9720
J_2754	699106.7	3167586	4.14	12.311	12311
J_12580	708852.9	3174827	4.14	11.323	11323
J_4354	701601.5	3167379	4.15	8.672	8672
J_1302	694472.2	3165923	4.15	1.616	1616
J_16223	713431.8	3171499	4.15	1.219	1219
J_14837	710952.8	3179033	4.15	29.188	29188
J_9838	707007.9	3175789	4.16	32.987	32987
J_8421	705745.6	3171137	4.16	6.702	6702
J_17794	716023.9	3177906	4.17	7.372	7372
J_8660	705936.5	3171013	4.17	17.113	17113
J_3981	701129.5	3167310	4.18	8.075	8075
J_2928	699449.6	3167064	4.18	20.008	20008
J_14860	710997.4	3172644	4.2	6.232	6232
J_9549	706788.3	3175740	4.2	3.64	3640
J_3982	701130.3	3167200	4.2	4.133	4133
J_8077	705476.7	3173383	4.21	11.3	11300
J_5632	703052.1	3169692	4.21	0.209	209
J_17360	715004.6	3174438	4.22	3.551	3551
J_3323	700081.9	3162859	4.24	21.996	21996
J_11232	707895.2	3159277	4.24	4.509	4509
J_16889	714183.3	3174352	4.25	8.108	8108
J_12059	708512.5	3173284	4.25	10.082	10082

J_7961	705368.3	3175378	4.25	2.296	2296
J_4130	701333	3167022	4.27	8.74	8740
J_11410	707981.8	3159572	4.28	8.416	8416
J_15915	712957.4	3172922	4.28	16.062	16062
J_12388	708729.9	3162270	4.28	21.102	21102
J_731	692082.9	3161730	4.28	13.203	13203
J_12985	709101	3169096	4.28	15.134	15134
J_8327	705680.2	3168586	4.29	9.778	9778
J_11269	707911.2	3171818	4.29	15.104	15104
J_1570	695432.1	3164308	4.3	14.389	14389
J_16878	714171.6	3176534	4.31	7.377	7377
J_13624	709591.4	3170290	4.31	18.479	18479
J_5238	702590.6	3170680	4.31	9.529	9529
J_16434	713662.5	3171359	4.31	2.369	2369
J_11529	708045.4	3168913	4.32	13.629	13629
J_2198	697935.4	3167542	4.32	20.897	20897
J_8446	705761.3	3165676	4.33	0.67	670
J_1258	694330.7	3159997	4.33	145.207	145207
J_1020	693444.1	3166586	4.34	3.883	3883
J_715	691983.2	3168898	4.34	10.075	10075
J_4964	702279.3	3170484	4.35	18.829	18829
J_1490	695152.4	3167011	4.35	21.05	21050
J_7968	705372.3	3171393	4.37	8.114	8114
J_15055	711579.9	3179971	4.37	18.453	18453
J_8356	705696.3	3165600	4.38	0.064	64
J_15774	712740.3	3179010	4.38	33.757	33757
J_14599	710522.7	3174528	4.38	9.044	9044
J_13695	709634.5	3170005	4.4	3.515	3515
J_7687	705048.8	3173758	4.4	13.235	13235
J_12736	708939.3	3168965	4.41	3.108	3108
J_7560	704903	3170872	4.42	7.336	7336
J_5625	703040.7	3169691	4.42	0.685	685
J_706	691939.5	3161870	4.43	3.441	3441
J_17723	715768.6	3178450	4.44	9.824	9824
J_12433	708759.8	3170009	4.44	6.54	6540
J_9902	707040.7	3172941	4.45	10.103	10103
J_1798	696332	3164021	4.45	44.553	44553
J_6754	704140.8	3164642	4.46	6.503	6503
J_9783	706972.1	3175516	4.46	7.384	7384
J_7431	704794.6	3167737	4.47	6.25	6250
J_1342	694625.8	3167952	4.47	1.766	1766

J_3630	700576.8	3158148	4.48	8.575	8575
J_9652	706881.7	3169296	4.5	23.187	23187
J_13853	709718.5	3176089	4.5	48.876	48876
J_15235	711883.5	3176556	4.51	11.525	11525
J_2508	698615.1	3170255	4.51	37.816	37816
J_1025	693483.6	3161345	4.51	18.711	18711
J_5285	702644.6	3160911	4.52	5.345	5345
J_11061	707797	3159225	4.53	0.616	616
J_1466	695067.8	3168357	4.53	0.105	105
J_1252	694294.8	3165496	4.53	12.226	12226
J_13195	709279.9	3168411	4.54	17.566	17566
J_11360	707955.8	3170523	4.54	46.878	46878
J_7595	704934.6	3168908	4.55	13.784	13784
J_9961	707078.5	3170782	4.56	3.782	3782
J_14507	710335.8	3171662	4.58	20.612	20612
J_10547	707450.5	3173943	4.59	45.379	45379
J_16478	713710.9	3177513	4.59	3.918	3918
J_2597	698783.5	3170114	4.6	42.617	42617
J_894	692862	3167036	4.6	1.377	1377
J_15253	711900.6	3177333	4.61	50.722	50722
J_5440	702850.5	3157440	4.62	22.47	22470
J_882	692811.7	3167053	4.63	16.047	16047
J_15140	711757.8	3175650	4.63	14.169	14169
J_14275	709979.6	3175438	4.64	7.115	7115
J_7635	704977.7	3168044	4.65	45.403	45403
J_7075	704464	3158051	4.66	1.231	1231
J_14887	711082.5	3172684	4.66	26.267	26267
J_11220	707891.9	3172279	4.67	10.024	10024
J_32	681624.8	3160396	4.67	6.969	6969
J_1089	693825.5	3166992	4.76	19.188	19188
J_1429	694915	3168228	4.8	1.374	1374
J_9030	706308.1	3173336	4.82	17.248	17248
J_680	691753.8	3166225	4.82	38.062	38062
J_3527	700390.8	3159534	4.84	8.833	8833
J_15195	711830.3	3179637	4.84	6.814	6814
J_2355	698258.6	3167565	4.84	18.335	18335
J_14754	710823	3172537	4.87	6.064	6064
J_13950	709767.5	3172043	4.87	15.471	15471
J_11961	708407.6	3165158	4.88	45.516	45516
J_7659	705014.9	3171002	4.89	11.433	11433
J_17119	714578.6	3176150	4.9	2.571	2571

J_17091	714511.5	3176179	4.91	1.335	1335
J_6680	704054.9	3164003	4.91	13.653	13653
J_17805	716097.1	3179087	4.93	6.243	6243
J_3691	700652.9	3160385	4.94	39.769	39769
J_17766	715904.5	3177904	4.94	6.773	6773
J_7530	704877.4	3167444	4.95	18.184	18184
J_1307	694510.2	3165200	4.95	95.317	95317
J_5951	703384.8	3168878	4.96	7.268	7268
J_9939	707061.8	3168910	4.99	22.267	22267
J_15043	711536.6	3175668	4.99	12.574	12574
J_6694	704073.4	3174318	4.99	1.924	1924
J_15771	712739.1	3170305	4.99	5.92	5920
J_5497	702894	3169714	5.01	6.739	6739
J_12399	708736.4	3177322	5.02	4.045	4045
J_515	690501.4	3162497	5.03	186.972	186972
J_7271	704653.3	3167165	5.05	18.786	18786
J_14821	710922	3171101	5.06	8.865	8865
J_50	682313.7	3160404	5.06	5.977	5977
J_1782	696298.2	3161138	5.07	9.528	9528
J_15859	712874.5	3176271	5.09	23.567	23567
J_4608	701905.2	3169652	5.09	12.951	12951
J_8525	705820.9	3168265	5.09	22.051	22051
J_9974	707089.6	3172886	5.15	22.834	22834
J_7803	705164.1	3168119	5.16	4.149	4149
J_1688	695895.3	3164881	5.17	3.121	3121
J_6451	703844.3	3168611	5.18	24.877	24877
J_16486	713720.7	3171326	5.19	2.127	2127
J_13800	709688.8	3177045	5.21	10.573	10573
J_12855	709012.3	3176576	5.22	11.598	11598
J_15247	711892.6	3174857	5.24	19.46	19460
J_376	687871.3	3157403	5.24	5.401	5401
J_12894	709039.7	3169246	5.25	1.905	1905
J_15295	711947.7	3170608	5.27	18.563	18563
J_14510	710344.7	3179121	5.27	42.332	42332
J_725	692053.8	3166252	5.29	8.414	8414
J_11681	708140.2	3171290	5.3	15.377	15377
J_11266	707910.2	3169487	5.3	9.735	9735
J_10540	707448.1	3173905	5.32	18.346	18346
J_7378	704745.1	3167936	5.33	12.938	12938
J_4885	702205.5	3157671	5.33	18.728	18728
J_12896	709041	3176875	5.33	37.029	37029

J_2317	698183.8	3167664	5.33	4.602	4602
J_12812	708983	3168940	5.34	6.255	6255
J_537	690653.8	3166113	5.34	5.075	5075
J_5065	702417.4	3169852	5.35	12.561	12561
J_4200	701429.3	3161559	5.37	26.523	26523
J_6365	703754.6	3164437	5.37	44.37	44370
J_17034	714426.7	3172074	5.38	46.37	46370
J_1103	693883.9	3165751	5.38	21.611	21611
J_695	691855.6	3161934	5.38	4.399	4399
J_10219	707238.2	3175155	5.41	27.453	27453
J_8464	705768.8	3171236	5.41	11.471	11471
J_1438	694952.6	3164186	5.43	32.544	32544
J_1474	695093.2	3163804	5.46	6.698	6698
J_10541	707448.8	3172218	5.47	14.66	14660
J_15202	711836	3168933	5.47	27.24	27240
J_12918	709064.2	3172722	5.48	18.476	18476
J_16820	714075.7	3175773	5.5	25.327	25327
J_16579	713813.2	3171270	5.52	2.567	2567
J_2416	698409.9	3166841	5.54	35.64	35640
J_6881	704263.9	3170550	5.56	26.245	26245
J_16890	714183.9	3176555	5.57	13.447	13447
J_1489	695147.7	3168417	5.58	0.969	969
J_1900	696899	3160918	5.58	26.626	26626
J_11520	708041.2	3169222	5.6	3.987	3987
J_4731	702053.9	3162252	5.62	17.94	17940
J_13455	709477.7	3177720	5.62	15.209	15209
J_16732	713971.4	3175981	5.63	8.273	8273
J_16543	713776.4	3177710	5.63	16.92	16920
J_13369	709418.8	3172236	5.63	13.892	13892
J_3347	700104.7	3161016	5.65	36.172	36172
J_5805	703234.2	3170517	5.65	3.695	3695
J_8661	705936.8	3167021	5.67	8.853	8853
J_14035	709816	3169894	5.69	16.136	16136
J_4328	701569.1	3161702	5.69	6.443	6443
J_15811	712801.1	3177613	5.69	9.956	9956
J_5522	702928.7	3169890	5.7	7.053	7053
J_3567	700470.1	3161357	5.7	15.836	15836
J_13012	709118.5	3169214	5.7	5.758	5758
J_1616	695632	3164350	5.7	34.798	34798
J_17849	716371.9	3177882	5.7	10.493	10493
J_17781	715942	3176825	5.7	35.994	35994

J_9552	706790.9	3171457	5.73	16.362	16362
J_417	688845.6	3161792	5.75	163.381	163381
J_6310	703698.8	3167361	5.75	0.889	889
J_5372	702741	3169687	5.76	15.748	15748
J_12994	709107.8	3169075	5.77	14.885	14885
J_4182	701397.4	3168359	5.81	2.584	2584
J_15364	712046.4	3176240	5.81	20.096	20096
J_5829	703248.1	3170420	5.81	4.645	4645
J_8250	705636.7	3169285	5.84	6.7	6700
J_10920	707685.6	3176980	5.85	5.919	5919
J_15190	711823	3176701	5.89	21.271	21271
J_9912	707046	3173957	5.89	3.353	3353
J_16232	713443.4	3177677	5.9	6.702	6702
J_8444	705759.3	3175300	5.91	16.089	16089
J_14812	710911.1	3177982	5.92	33.042	33042
J_3043	699615.4	3164046	5.98	36.899	36899
J_14330	710047.1	3176697	6.01	32.807	32807
J_17775	715929.5	3176824	6.01	5.261	5261
J_17130	714589.7	3176951	6.02	12.485	12485
J_8887	706161.1	3174108	6.03	21.543	21543
J_5860	703272.8	3163224	6.03	34.933	34933
J_4713	702037.9	3157766	6.09	19.855	19855
J_8788	706062	3174120	6.1	1.365	1365
J_6175	703592	3172296	6.1	33.046	33046
J_7325	704701.4	3170894	6.11	7.023	7023
J_1188	694091.8	3165470	6.14	0.626	626
J_80	682823.7	3162135	6.17	67.299	67299
J_9264	706501.8	3168937	6.18	5.545	5545
J_10483	707416.3	3176774	6.19	0.186	186
J_16994	714356	3173654	6.2	27.284	27284
J_11211	707886.1	3162930	6.21	33.6	33600
J_14626	710561.3	3174572	6.24	39.914	39914
J_7305	704687.4	3165813	6.26	25.163	25163
J_2530	698644.8	3170699	6.27	20.241	20241
J_9874	707027.8	3172486	6.28	54.094	54094
J_16054	713222.4	3180556	6.29	59.139	59139
J_14542	710405.2	3168599	6.34	118.991	118991
J_7784	705151.7	3173108	6.34	24.826	24826
J_1875	696799.7	3160918	6.37	12.561	12561
J_3295	700059.5	3167566	6.4	25.42	25420
J_14132	709868.4	3175347	6.42	6.126	6126

J_17092	714512.6	3174460	6.42	73.993	73993
J_15797	712779.4	3176305	6.43	28.332	28332
J_15681	712582.3	3170321	6.48	4.981	4981
J_13490	709498.7	3170233	6.54	25.54	25540
J_10258	707259.8	3168936	6.54	20.061	20061
J_14600	710523.7	3174838	6.54	5.948	5948
J_1680	695892.3	3165319	6.56	17.233	17233
J_13480	709491.7	3170221	6.58	8.846	8846
J_5985	703419.2	3162190	6.65	369.796	369796
J_4890	702208.5	3170411	6.66	23.191	23191
J_7936	705344.1	3168215	6.67	22.261	22261
J_72	682672.7	3162213	6.68	4.323	4323
J_3414	700188.1	3157643	6.72	215.041	215041
J_413	688719.7	3161874	6.78	14.92	14920
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J_16823	714079.9	3171490	6.79	65.847	65847
J_13163	709254.8	3163632	6.8	268.055	268055
J_12436	708761.3	3162306	6.82	17.703	17703
J_371	687818.3	3157311	6.87	6.077	6077
J_11516	708037.5	3173364	6.87	48.554	48554
J_3806	700818.2	3168805	6.88	44.022	44022
J_358	687636.1	3157209	6.9	7.597	7597
J_2170	697859.3	3166638	6.91	15.339	15339
J_857	692711.8	3167061	6.94	38.641	38641
J_16669	713895.3	3178030	6.95	19.358	19358
J_7369	704737.4	3166634	7.01	18.439	18439
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J_14036	709816.5	3170288	7.1	19.03	19030
J_16907	714221.5	3173234	7.11	35.421	35421
J_5880	703286.9	3172317	7.12	13.722	13722
J_11753	708189.1	3159682	7.18	196.672	196672
J_15715	712632.7	3173200	7.19	31.045	31045
J_5060	702409	3169311	7.28	28.822	28822
J_16216	713423.2	3177597	7.3	8.052	8052
J_5828	703247.9	3170519	7.32	2.554	2554
J_13698	709636.8	3171193	7.37	16.255	16255
J_3127	699769.8	3158333	7.37	15.434	15434
J_364	687659.8	3167653	7.38	82.806	82806
J_15107	711679.7	3179856	7.42	13.602	13602
J_6922	704320.1	3169143	7.44	33.351	33351
J_8582	705863.6	3174146	7.47	16.609	16609

J_13326	709388.5	3175445	7.48	38.872	38872
J_813	692484.9	3161896	7.5	242.134	242134
J_1569	695432	3164302	7.52	29.979	29979
J_667	691654	3166216	7.56	11.802	11802
J_12129	708576.4	3173377	7.57	22.505	22505
J_2760	699113.8	3167597	7.61	9.543	9543
J_15099	711667	3178878	7.63	24.97	24970
J_14373	710094	3176160	7.68	13.104	13104
J_3080	699677.9	3158374	7.68	3.752	3752
J_13161	709253.5	3177919	7.68	9.5	9500
J_12586	708861.5	3169206	7.69	1.126	1126
J_10005	707110.4	3162979	7.7	5.625	5625
J_8539	705830.6	3173219	7.71	38.014	38014
J_12745	708945.3	3176513	7.72	2.516	2516
J_1639	695741.3	3165403	7.72	62.361	62361
J_2349	698245.4	3167575	7.73	99.017	99017
J_15076	711628.3	3175707	7.75	16.904	16904
J_396	688257.9	3162255	7.9	182.802	182802
J_1175	694036.6	3165470	7.9	22.733	22733
J_14737	710791.2	3171044	7.9	15.513	15513
J_14550	710442.6	3179126	7.97	22.807	22807
J_1922	696999.7	3160918	7.97	14.147	14147
J_6430	703813.3	3169017	7.99	13.76	13760
J_12887	709030.6	3173361	8.04	33.801	33801
J_7943	705349.5	3168197	8.06	15.572	15572
J_1941	697097.4	3160919	8.08	3.507	3507
J_12682	708912.3	3171460	8.17	31.133	31133
J_9339	706579.4	3166397	8.19	135.199	135199
J_83	682827.4	3162266	8.23	11.719	11719
J_11674	708137	3176024	8.24	55.09	55090
J_7713	705073.2	3171170	8.25	25.763	25763
J_14350	710066.8	3176027	8.28	14.229	14229
J_17886	716648.2	3178767	8.29	125.376	125376
J_703	691924.9	3162044	8.38	49.786	49786
J_8689	705962.8	3174133	8.45	42.064	42064
J_15720	712635.8	3177418	8.49	67.426	67426
J_36	681813.7	3160371	8.57	11.81	11810
J_11683	708141.2	3177101	8.68	7.249	7249
J_14466	710246.1	3170930	8.74	11.672	11672
J_13883	709732.4	3175572	8.77	7.652	7652
J_12144	708589.1	3177619	8.8	5.636	5636

J_742	692135.8	3167225	8.82	5.981	5981
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J_9079	706351	3168725	8.85	12.233	12233
J_9886	707030.9	3163043	8.91	12.67	12670
J_11499	708029.1	3177147	9.06	1.246	1246
J_14331	710049.3	3169127	9.2	40.68	40680
J_2603	698792.6	3158578	9.26	18.861	18861
J_6393	703784.1	3169867	9.26	10.234	10234
J_7204	704592	3165667	9.27	7.394	7394
J_1319	694545.3	3165104	9.29	30.215	30215
J_13153	709243.7	3163799	9.33	62.49	62490
J_9173	706425.1	3168987	9.34	20.025	20025
J_2239	698018.9	3165125	9.36	54.06	54060
J_13515	709520.1	3166222	9.38	35.215	35215
J_188	684409.7	3157652	9.39	92.064	92064
J_8729	706014.2	3167089	9.41	10.986	10986
J_13028	709127.9	3176673	9.41	5.101	5101
J_2303	698147.1	3161391	9.41	465.449	465449
J_1054	693623.8	3160157	9.41	296.581	296581
J_14666	710642.6	3174560	9.48	5.651	5651
J_1017	693432.5	3166606	9.54	52.89	52890
J_14552	710444.4	3175341	9.55	39.524	39524
J_4660	701965.1	3167382	9.7	22.999	22999
J_342	687353.6	3163250	9.72	44.501	44501
J_538	690654.1	3166131	9.83	10.067	10067
J_2336	698222.5	3165971	9.84	21.302	21302
J_14049	709821.6	3169710	9.91	7.293	7293
J_547	690753.9	3166143	9.92	0.415	415
J_7545	704890.3	3173543	10.07	111.305	111305
J_7446	704811.4	3163463	10.17	541.503	541503
J_14501	710330.9	3172206	10.17	84.275	84275
J_611	691353.8	3166189	10.3	3.805	3805
J_2350	698246.2	3167649	10.34	9.658	9658
J_7549	704896.2	3167456	10.41	41.674	41674
J_13278	709360.7	3169601	10.43	21.123	21123
J_423	688964.3	3161701	10.44	63.443	63443
J_8637	705923.3	3173247	10.53	10.748	10748
J_3736	700719.4	3167016	10.56	88.669	88669
J_14185	709906	3170422	10.58	27.69	27690
J_14299	709998.2	3166161	10.62	82.965	82965
J_734	692113.4	3167222	10.68	35.154	35154

J_1221	694185	3165471	10.69	15.935	15935
J_7728	705086.8	3171241	10.75	3.958	3958
J_5365	702728.8	3169888	10.79	5.755	5755
J_13742	709662.3	3170007	10.79	136.584	136584
J_1287	694423.6	3159880	10.8	185.133	185133
J_5469	702874.7	3160838	10.9	427.37	427370
J_631	691453.8	3166197	10.96	0.384	384
J_6055	703492.8	3172309	10.97	28.145	28145
J_994	693256.7	3161342	11.06	125.764	125764
J_81	682825	3162373	11.1	12.315	12315
J_348	687450.2	3163137	11.22	22.414	22414
J_14297	709996.8	3166391	11.24	472.656	472656
J_505	690414.4	3162391	11.28	139.982	139982
J_12953	709081.5	3169368	11.31	8.926	8926
J_7226	704611.4	3158313	11.33	5.601	5601
J_8107	705511.6	3165362	11.34	19.2	19200
J_9405	706643.2	3172978	11.48	89.216	89216
J_5425	702828.8	3169890	11.54	7.549	7549
J_11329	707944.5	3174836	11.59	88.825	88825
J_2823	699252.8	3163492	11.59	0.592	592
J_556	690853.9	3166147	11.64	3.571	3571
J_569	690953.9	3166154	11.68	0.009	9
J_810	692466.9	3168129	11.7	45.223	45223
J_12080	708530.5	3177040	11.77	25.117	25117
J_1495	695172.5	3159502	11.85	114.754	114754
J_13464	709479.5	3176599	11.9	9.227	9227
J_4744	702069.8	3170268	11.92	16.853	16853
J_13071	709165.4	3169560	11.97	0.25	250
J_4926	702252.6	3168679	11.98	17.178	17178
J_850	692680.5	3161502	12.07	81.284	81284
J_7831	705199.7	3166834	12.14	29.399	29399
J_9361	706597.4	3172110	12.18	16.205	16205
J_10178	707221.1	3158626	12.19	264.636	264636
J_15769	712737.5	3179903	12.23	22.397	22397
J_5032	702370.6	3164379	12.23	48.91	48910
J_13707	709643.2	3170019	12.36	4.017	4017
J_844	692645.3	3167887	12.7	12.198	12198
J_679	691753.8	3166208	12.81	41.494	41494
J_1022	693457.6	3160543	12.85	26.896	26896
J_14991	711391.4	3170452	13.05	48.983	48983
J_352	687539	3163016	13.11	258.8	258800

J_6706	704085	3173618	13.12	1.722	1722
J_771	692282.2	3165060	13.29	54.383	54383
J_1983	697299.7	3160920	13.3	149.8	149800
J_4694	702001.3	3163872	13.37	45.71	45710
J_13609	709580.5	3175607	13.42	31.379	31379
J_599	691253.9	3166180	13.44	3.999	3999
J_14409	710161.1	3175228	13.47	0.927	927
J_17420	715131.4	3176692	13.54	18.918	18918
J_15171	711808.2	3171137	13.66	59.796	59796
J_15760	712732.2	3179897	13.7	79.15	79150
J_4076	701282.9	3164429	13.76	2.922	2922
J_17509	715322.6	3178100	13.84	9.931	9931
J_334	687221.1	3164301	13.85	88.771	88771
J_16362	713575.9	3175723	13.89	18.47	18470
J_5489	702886	3170174	14.13	14.419	14419
J_17861A	695094.5	3166369	14.18	0.576	576
J_17863A	694761.4	3166450	14.22	0.062	62
J_11592	708081.6	3169193	14.22	10.298	10298
J_82	682825.6	3162748	14.29	35.092	35092
J_1158	694012.3	3168067	14.32	1.681	1681
J_15630	712509.6	3179304	14.44	843.901	843901
J_2316	698183.5	3167651	14.45	4.743	4743
J_17139	714609.1	3177480	14.62	1.838	1838
J_2138	697774	3167572	14.66	84.072	84072
J_11707	708156.1	3171295	14.66	47.518	47518
J_17667	715654.7	3176189	14.67	145.343	145343
J_17858A	695311.4	3166323	14.72	0.162	162
J_13219	709310.6	3175441	14.73	47.374	47374
J_13510	709513.5	3175020	14.75	47.08	47080
J_11528	708043.6	3165313	14.8	45.065	45065
J_5744	703179.9	3163068	14.82	52.832	52832
J_11001	707751.9	3175368	14.82	5.294	5294
J_14589	710504.5	3180613	14.92	15.124	15124
J_17620	715520.6	3175954	14.93	28.102	28102
J_7312	704694.5	3158498	14.94	60.557	60557
J_1077	693782.5	3166972	15.02	12.185	12185
J_13434	709463.7	3177244	15.09	34.554	34554
J_15775	712740.4	3170120	15.16	0.206	206
J_7435	704797.7	3171164	15.17	23.97	23970
J_16152	713360.7	3176786	15.19	0.834	834
J_1510	695226	3168479	15.23	155.298	155298

J_13331	709390.7	3178365	15.25	18.485	18485
J_15607	712475.9	3179365	15.26	0.716	716
J_3415	700191.3	3171317	15.29	148.993	148993
J_10968	707724.7	3159438	15.3	1.332	1332
J_6080	703510.7	3168873	15.3	41.232	41232
J_1345	694662.3	3164824	15.32	23.245	23245
J_367	687733.6	3162788	15.46	565.472	565472
J_5452	702861.2	3161943	15.46	1264.112	1264112
J_10952	707709.1	3159491	15.51	0.015	15
J_1071	693713.9	3166898	15.52	0.87	870
J_7577	704917.7	3175289	15.62	14.984	14984
J_1683	695893.2	3165232	15.65	119.314	119314
J_13068	709163	3169553	15.72	0.811	811
J_9302	706531.7	3172970	15.8	15.258	15258
J_945	693063.1	3167333	15.84	327.372	327372
J_361	687653	3167555	15.88	39.662	39662
J_11137	707846.7	3176858	15.92	0.714	714
J_7293	704673	3158513	15.95	44.668	44668
J_1543	695321.6	3159518	15.99	517.118	517118
J_2192	697926.7	3161002	15.99	52.278	52278
J_1814	696433.3	3163939	16.02	67.979	67979
J_12944	709075.1	3176779	16.13	26.047	26047
J_15025	711482.3	3173210	16.13	69.894	69894
J_7042	704413.6	3157964	16.16	12.457	12457
J_13655	709611	3166253	16.36	125.183	125183
J_1076	693756.5	3160097	16.48	252.892	252892
J_12313	708686.4	3173205	16.48	86.139	86139
J_10737	707553	3167900	16.53	257.186	257186
J_10545	707449.7	3164737	16.56	212.976	212976
J_15215	711852.8	3176543	16.66	85.639	85639
J_2017	697398.9	3160921	16.67	42.434	42434
J_668	691668.6	3162512	16.73	349.077	349077
J_13974	709779.9	3170282	16.79	86.06	86060
J_4785	702108.6	3168706	16.79	27.924	27924
J_718	692016.5	3167263	16.85	67.5	67500
J_1912	696050.4	3166013	17.03	1.399	1399
J_1685	695894	3165120	17.13	33.131	33131
J_5209	702563.6	3160914	17.32	139.278	139278
J_16051	713220.3	3176345	17.4	13.606	13606
J_1595	695532	3164336	17.44	42.669	42669
J_13017	709121.4	3169503	17.6	2.095	2095

J_6528	703904.6	3167562	17.66	35.543	35543
J_5098	702441.6	3160725	17.71	15.317	15317
J_14574	710480.1	3180582	17.78	49.526	49526
J_759	692227.9	3164975	17.82	538.336	538336
J_1686	695895	3164949	17.84	7.485	7485
J_6837	704207.1	3164337	17.86	52.854	52854
J_6989	704365.6	3157876	17.91	30.168	30168
J_12425	708750.8	3169998	17.91	18.54	18540
J_17807	716111.6	3179183	17.92	1.35	1350
J_404	688479.3	3162053	17.94	55	55000
J_17565	715395.3	3176666	18.05	0.567	567
J_15933	713001.6	3178669	18.08	14.677	14677
J_17548	715374.3	3176645	18.13	1.482	1482
J_6743	704123.7	3157436	18.18	142.497	142497
J_11005	707757.6	3165435	18.23	57.743	57743
J_11209	707885.7	3159621	18.31	0.155	155
J_17862A	694991	3166389	18.45	3.38	3380
J_7253	704634.9	3158418	18.46	7.871	7871
J_6787	704175.3	3174346	18.75	15.743	15743
J_876	692785.2	3161396	18.79	118.065	118065
J_723	692051.9	3162247	18.82	1.348	1348
J_16135	713348.3	3176794	18.95	0.424	424
J_898	692898.4	3161297	19	26.871	26871
J_11969	708413.6	3177760	19.04	1.69	1690
J_9769	706964.6	3176370	19.06	68.649	68649
J_1326	694580.4	3165008	19.11	72.396	72396
J_791	692389.8	3162011	19.15	46.528	46528
J_6319	703705.5	3156511	19.39	742.836	742836
J_1058	693642.6	3166825	19.43	118.081	118081
J_5537	702941	3169690	19.51	94.136	94136
J_4599	701898.5	3169503	19.54	1.073	1073
J_6662	704042.1	3173421	19.73	10.742	10742
J_8678	705950.2	3172904	19.74	6.132	6132
J_16195	713409.9	3172385	19.8	3.399	3399
J_11775	708201.7	3169105	20.2	19.213	19213
J_318	686771.1	3157916	20.25	664.389	664389
J_12320	708688.4	3174762	20.4	90.679	90679
J_685	691816.9	3167350	20.79	12.172	12172
J_14263	709970.1	3180194	20.88	62.812	62812
J_13773	709678.1	3162796	20.95	102.483	102483
J_4951	702267.7	3167082	20.95	1.759	1759

J_5886	703294.3	3172333	21.04	20.652	20652
J_14346	710063.7	3168956	21.32	3.311	3311
J_11132	707844.2	3168446	21.53	4.536	4536
J_17413	715112.8	3174462	21.53	7.677	7677
J_45	682187.6	3160183	21.56	13.068	13068
J_337	687260.7	3163361	21.71	152.309	152309
J_17551	715377.2	3176656	21.84	1.472	1472
J_12365	708709.1	3169214	21.9	3.355	3355
J_17855A	695476.1	3166272	21.94	10.997	10997
J_377	687928.9	3162562	22.39	305.795	305795
J_14312	710023.3	3170650	22.43	22.389	22389
J_1330	694601.1	3159640	22.46	0.496	496
J_1811	696404.8	3163922	22.61	17.263	17263
J_502	690394.5	3161980	22.61	689.642	689642
J_914	692928.1	3161160	22.62	22.136	22136
J_1934	696150.3	3166017	22.66	84.075	84075
J_5432	702841	3169688	22.76	13.135	13135
J_17860A	695168.6	3166354	22.8	7.479	7479
J_16214	713422.5	3169700	22.98	1.9	1900
J_1131	693956.4	3167205	23.02	62.019	62019
J_16500	713735.3	3176671	23.1	3.935	3935
J_16221	713426.7	3172380	23.32	8.889	8889
J_1048	693594	3160292	23.34	173.198	173198
J_8508	705801.3	3170549	23.41	6.616	6616
J_13497	709502.7	3162703	23.54	51.566	51566
J_13801	709688.9	3170433	23.63	31.589	31589
J_15837	712839.9	3177486	24.06	13.219	13219
J_13785	709682.1	3171262	24.08	11.52	11520
J_17400	715089.5	3175951	24.1	7.856	7856
J_360	687652.5	3167486	24.15	38.251	38251
J_6126	703550.4	3165347	24.21	1.586	1586
J_14176	709899.3	3171486	24.29	6.425	6425
J_2893	699405.2	3167757	24.31	113.838	113838
J_17850	696015	3166170	24.35	210.429	210429
J_13811	709691.3	3171276	24.46	8.169	8169
J_14863	711008.9	3177869	24.63	6.419	6419
J_11994	708443.4	3175596	24.98	35.274	35274
J_3286	700054.6	3167420	25.41	32.348	32348
J_15047	711548.8	3173177	25.84	120.767	120767
J_17215	714699.4	3175656	26.05	0.831	831
J_16150	713359.8	3175499	26.23	30.704	30704

J_15786	712756.8	3174854	26.25	21.97	21970
J_17371	715036	3177445	26.44	13.113	13113
J_12301	708680.6	3176695	26.51	14.95	14950
J_17414	715113.1	3175897	26.59	6.168	6168
J_17166	714641.9	3176465	26.62	24.111	24111
J_8354	705694.6	3171378	26.96	17.19	17190
J_16470	713695.2	3176630	26.98	4.663	4663
J_17064	714465.3	3176921	26.98	4.019	4019
J_13826	709698.3	3178092	27.11	50.295	50295
J_5356	702725.7	3168236	27.12	113.293	113293
J_15623	712498	3179341	27.12	42.722	42722
J_17830	716251.8	3177769	27.16	8.619	8619
J_783	692350.8	3162057	27.2	56.831	56831
J_1042	693561	3160436	27.26	171.429	171429
J_17323	714928.5	3177532	27.26	12.7	12700
J_4781	702105.1	3167550	27.33	5.741	5741
J_11332	707945.4	3170468	27.33	68.655	68655
J_11147	707853.2	3168458	27.35	8.944	8944
J_16975	714323	3175913	27.66	24.948	24948
J_4628	701930.1	3165413	27.74	3249.673	3249673
J_17048	714448.4	3176915	27.75	7.379	7379
J_10971	707726.4	3159430	27.84	3.851	3851
J_11102	707823.8	3159588	27.84	0.167	167
J_613	691357.2	3158962	28	20.649	20649
J_4413	701654.6	3165357	28.02	48.224	48224
J_11213	707888.5	3177297	28.07	6.602	6602
J_12161	708599.4	3177627	28.1	14.159	14159
J_13299	709370.9	3166433	28.15	97.469	97469
J_13140	709224.3	3170567	28.18	9.792	9792
J_17397	715082.7	3175893	28.19	12.007	12007
J_13128	709216.3	3170576	28.27	51.068	51068
J_17719	715761.5	3176818	28.3	16.078	16078
J_8471	705773.7	3165775	28.32	12.393	12393
J_14418	710173.9	3164148	28.36	39.894	39894
J_8115	705520	3165629	28.48	38.198	38198
J_16770	714011.1	3177492	28.5	10.116	10116
J_6921	704316.1	3157788	28.59	112.201	112201
J_6433	703817.7	3170017	28.6	31.415	31415
J_17305	714868.3	3176011	28.78	53.313	53313
J_11721	708169.3	3175797	28.79	26.359	26359
J_8273	705651.2	3169594	28.8	43.014	43014

J_6320	703706	3169930	28.88	16.286	16286
J_10222	707238.7	3175286	29.04	22.748	22748
J_14594	710517.3	3174863	29.11	16.943	16943
J_4741	702065.9	3168672	29.2	18.789	18789
J_6666	704045.3	3173643	29.37	9.234	9234
J_14738	710793.7	3178988	29.38	78.42	78420
J_488	690310.2	3161745	29.4	112.195	112195
J_16663	713890.7	3171981	29.43	14.993	14993
J_16129	713340.7	3175532	29.49	26.847	26847
J_7206	704593.6	3158325	29.53	24.774	24774
J_13015	709119.9	3169490	29.53	10.559	10559
J_6421	703806.7	3164085	29.56	73.103	73103
J_8295	705660.7	3167803	29.56	218.973	218973
J_15641	712524	3170111	29.57	7.223	7223
J_11746	708184.5	3175798	29.58	122.596	122596
J_13675	709621.1	3170046	29.59	68.317	68317
J_14567	710472.6	3175342	29.59	32.637	32637
J_7978	705380.8	3175808	29.61	31.494	31494
J_11233	707895.4	3159617	29.61	10.443	10443
J_12848	709004.2	3177633	29.63	51.164	51164
J_14379	710109.9	3170778	29.63	35.083	35083
J_15949	713025.3	3175879	29.64	10.83	10830
J_408	688596.4	3161959	29.67	150.388	150388
J_15446	712195.3	3173642	29.68	104.064	104064
J_14586	710498.2	3174556	29.7	15.304	15304
J_15067	711604.9	3177101	29.7	71.648	71648
J_10273	707270	3175122	29.71	341.788	341788
J_13741	709662.2	3170048	29.71	88.414	88414
J_11425	707986.1	3173374	29.72	30.096	30096
J_14854	710989.9	3177859	29.73	52.111	52111
J_4334	701576.2	3169773	29.74	32.33	32330
J_14584	710492.4	3171085	29.74	57.753	57753
J_4519	701800.5	3169971	29.75	44.772	44772
J_15852	712860.5	3177305	29.75	21.398	21398
J_15162	711788.1	3176691	29.76	65.946	65946
J_751	692166.4	3162207	29.77	159.412	159412
J_15262	711907.9	3174865	29.77	48.939	48939
J_4266	701499.4	3169709	29.77	18.214	18214
J_15936	713008.5	3175862	29.78	22.316	22316
J_51	682348.6	3163495	29.78	57.053	57053
J_16522	713760.8	3176676	29.79	25.154	25154

J_16247	713457.6	3177678	29.79	15.693	15693
J_13904	709745.1	3169949	29.79	111.855	111855
J_6901	704282.1	3170550	29.8	287.873	287873
J_4160	701372.1	3168410	29.81	9.573	9573
J_13066	709162.1	3168463	29.81	20.944	20944
J_16084	713280.2	3175412	29.81	0.132	132
J_721	692028.1	3162263	29.81	219.124	219124
J_6014	703455.2	3164947	29.81	2.73	2730
J_503	690401	3162247	29.81	95.449	95449
J_14320	710029	3170611	29.81	66.382	66382
J_16277	713487.4	3175633	29.81	3.102	3102
J_13940	709762.2	3169972	29.81	22.56	22560
J_745	692143.2	3164745	29.81	190.16	190160
J_365	687681.9	3157234	29.82	3503.77	3503770
J_17703	715719.8	3177693	29.82	10.579	10579
J_14277	709979.8	3164010	29.82	59.242	59242
J_479	690242.4	3161672	29.83	170.951	170951
J_590	691153.8	3166171	29.83	3.068	3068
J_16203	713415.5	3177604	29.83	29.848	29848
J_17039	714432.2	3172071	29.84	113.085	113085
J_1004	693353.5	3160712	29.84	146.913	146913
J_580	691053.8	3166163	29.84	531.323	531323
J_3396	700148	3159327	29.84	46.105	46105
J_359	687652.2	3167422	29.84	61.408	61408
J_427	689102.6	3161653	29.84	247.301	247301
J_15508	712334.5	3173218	29.84	60.163	60163
J_17827	716225	3177750	29.85	62.256	62256
J_8029	705441	3169422	29.85	2.86	2860
J_14638	710585.7	3171555	29.85	45.278	45278
J_1132	693956.8	3167222	29.85	48.335	48335
J_9610	706839.3	3167351	29.86	54.405	54405
J_3596	700510.8	3161457	29.86	20.203	20203
J_6633	704012	3164659	29.86	14.743	14743
J_674	691725.1	3167394	29.86	10.23	10230
J_357	687636	3162902	29.86	135.072	135072
J_10938	707698.7	3159176	29.87	10.803	10803
J_649	691553.8	3166206	29.87	24.138	24138
J_11023	707771.2	3159704	29.87	98.287	98287
J_11152	707854	3176819	29.87	2.291	2291
J_28	681437.8	3160468	29.88	12.919	12919
J_16948	714277.8	3174382	29.89	19.197	19197

J_932	693004.6	3160892	29.89	100.337	100337
J_15596	712451.9	3179343	29.89	10.467	10467
J_450	689685.7	3161545	29.89	117.639	117639
J_150	684034.3	3162276	29.91	2157.812	2157812
J_17051	714450.3	3176203	29.91	3.215	3215
J_9988	707096.9	3158634	29.93	95.28	95280
J_17800	716071.1	3179025	29.93	6.32	6320
J_12236	708640.7	3168031	29.95	1.785	1785
J_14416	710172.4	3175223	29.95	3.957	3957
J_2748	699104.2	3165469	29.97	25.127	25127
J_27	681431.5	3160453	29.97	286.375	286375
J_17851A	695797.3	3166203	30	13.83	13830