

Dried Plasma Spot (DPS) QC Positive Data: Ion intensities/Sample Name

Ret. Time	Mass	DPSQC1	DPSQC2	DPSQC3	DPSQC4	DPSQC5	AVERAGE	CV	CV<15%	CV<20%	CV<30%
10.23	100.0820	4.9961	6.4333	7.1358	9.3751	9.8255	7.55	26.85			YES
10.22	100.3016	2.8988	0	7.4169	2.6222	9.4501	4.48	86.03			
10.17	101.0985	15.7686	13.3755	7.08	12.6093	11.5857	12.08	26.43			YES
1.59	103.0549	7.9686	7.5621	5.8262	4.3266	3.0394	5.74	36.50			
10.02	103.8458	1.0107	1.3631	2.037	2.3826	2.1948	1.80	32.50			
10.00	104.0808	0.7955	1.0197	1.6971	3.1444	2.7884	1.89	55.35			
8.68	104.1069	28.9446	18.6432	20.4388	17.0389	20.9683	21.21	21.67			YES
8.34	104.1072	12.5075	11.9298	13.5059	13.7989	13.6629	13.08	6.27	YES	YES	YES
8.84	104.1080	6.5098	7.7885	6.0481	5.1632	4.5126	6.00	21.02			YES
9.40	104.1083	10.7758	9.2146	8.9884	8.4016	8.9186	9.26	9.70	YES	YES	YES
2.52	105.0336	2.9511	2.5598	2.1955	1.6746	1.0886	2.09	35.00			
4.95	105.0339	3.4778	3.1931	0	2.3252	0.5136	1.90	82.61			
6.57	105.0344	15.145	15.2872	15.3316	14.0073	13.0865	14.57	6.81	YES	YES	YES
10.11	107.1723	1.4389	1.7514	2.276	2.5451	1.5489	1.91	25.01			YES
10.11	107.4170	1.225	1.7015	1.9554	2.7681	2.9592	2.12	34.37			
4.24	109.0650	1.1279	1.062	0.8026	0	0.4881	0.70	66.59			
10.21	110.5538	1.7777	1.8349	2.9899	3.1105	1.7044	2.28	30.77			
10.20	110.7943	1.8661	2.1147	3.0888	1.3505	4.1167	2.51	43.83			
10.31	113.9675	3.3927	3.8417	5.5964	6.7684	6.5241	5.22	29.46			YES
2.37	114.0927	2.9437	2.5926	1.5837	0	1.2835	1.68	69.25			
10.30	114.2103	3.7762	4.1467	5.5816	6.3786	7.4466	5.47	27.99			YES
10.17	115.0778	9.84	0.718	8.4495	10.3674	17.2339	9.32	63.18			
9.91	117.0923	18.6468	6.1931	5.6617	7.7157	10.8458	9.81	54.37			
10.41	117.0927	20.6882	4.7384	0	0.9471	0.8058	5.44	160.44			
9.73	117.0927	0	3.7162	2.6714	3.4768	9.4062	3.85	89.17			
10.16	117.0928	27.8709	23.2138	19.9043	32.3358	37.3209	28.13	24.76			YES
2.07	118.0652	13.1364	12.5206	9.9979	7.0361	5.4308	9.62	34.91			
0.66	118.0872	4.2072	4.7112	5.4787	4.8149	4.4481	4.73	10.14	YES	YES	YES
0.90	119.0491	7.0549	6.3793	5.0486	3.7772	3.3547	5.12	31.25			
1.59	120.0791	45.1371	44.4871	34.5652	24.404	20.3016	33.78	33.55			
10.19	121.6577	1.201	1.1516	1.817	2.3603	1.9315	1.69	30.31			
0.89	123.0447	5.4895	5.088	4.0288	0.2491	0.9374	3.16	76.43			
10.29	124.9383	1.4248	1.4186	1.0922	2.5101	2.5886	1.81	38.28			
10.29	125.1931	1.7116	1.287	1.9576	2.4181	2.2649	1.93	23.38			YES
10.36	128.7733	3.61	3.7193	4.3466	4.8394	5.0765	4.32	15.13		YES	YES
4.15	130.0656	3.144	3.1539	2.9353	2.2812	1.7936	2.66	22.61			YES
2.06	132.0810	3.3822	3.4502	2.9067	1.8369	1.4881	2.61	34.48			
2.74	133.0859	4.8734	2.9542	2.7504	2.0897	0	2.53	69.26			
2.95	133.0872	6.2344	2.6592	2.2247	2.2654	1.4623	2.97	63.18			
4.21	133.0878	19.4898	5.025	0.9933	0	2.4533	5.59	142.98			
0.65	134.0297	0.7012	0.9388	0.6147	0.6028	0.4607	0.66	26.57			YES
9.11	135.1175	0	2.4687	1.8847	3.4542	2.9719	2.16	62.10			
0.89	136.0737	13.0417	11.7917	9.4101	3.1713	0	7.48	75.53			
9.91	137.1097	5.6623	0.0652	0	2.9846	6.2139	2.99	99.13			
10.36	139.9820	1.2862	1.4125	1.609	2.1617	2.1052	1.71	23.30			YES
0.63	140.0686	3.839	4.5839	2.7898	3.1806	2.9831	3.48	21.15			YES
10.36	140.2284	1.2304	0.8979	1.3458	0.939	2.5124	1.39	47.52			
4.75	141.0007	2.9905	3.1184	3.1297	3.168	2.5654	2.99	8.31	YES	YES	YES

10.44	143.9772	1.9704	0.7829	2.4603	3.2806	3.9959	2.50	49.34			
2.07	144.0808	9.9338	10.0087	7.2469	5.2199	4.358	7.35	35.49			
2.07	146.0581	50.1462	49.2266	38.4409	28.6233	21.7447	37.64	33.22			
0.89	147.0446	5.004	4.4796	3.7874	2.5779	1.8007	3.53	37.58			
5.04	149.0222	2.47	2.5155	3.0943	0	3.1273	2.24	57.58			
6.75	149.0232	15.3305	15.2826	19.4261	22.76	23.8303	19.33	20.76			YES
9.75	149.0240	11.0165	11.1105	12.6432	19.4822	20.32	14.91	30.89			
5.76	149.0579	3.6592	3.714	3.9047	3.1035	2.8588	3.45	12.89	YES	YES	YES
4.08	149.0602	1.7684	1.6917	1.5145	1.2174	1.0038	1.44	22.42			YES
9.11	149.1331	0	2.9028	2.1035	2.4371	2.6247	2.01	57.73			
4.24	155.0238	1.2496	1.2914	1.2028	0.8577	0.7302	1.07	23.88			YES
10.09	157.1197	10.22	5.4811	4.8296	9.3146	9.7717	7.92	32.28			
4.75	158.0283	1.3934	1.5807	1.3728	1.2165	1.0583	1.32	14.88	YES	YES	YES
0.59	158.9652	5.6568	5.5909	8.9055	11.1268	12.1148	8.68	34.81			
2.06	159.0912	3.7637	3.8141	2.7672	0.9346	0.8996	2.44	59.44			
0.65	162.1132	2.617	2.4449	2.398	1.7951	1.3964	2.13	24.15			YES
6.72	163.0403	4.2333	4.7494	5.1382	6.3445	6.8782	5.47	20.25			YES
9.74	163.0412	1.9787	2.0004	0	3.3579	3.8219	2.23	66.82			
6.56	163.0754	30.9595	33.6477	31.0139	28.2631	25.512	29.88	10.36	YES	YES	YES
4.95	163.0781	4.2691	4.0821	2.998	2.556	1.0561	2.99	43.44			
9.56	163.1503	0	1.7256	1.9943	1.5225	1.5035	1.35	57.79			
9.11	163.1505	0	1.6084	1.6602	1.9213	1.8123	1.40	56.60			
10.27	163.1531	0.7317	0.8517	1.4052	0	1.5146	0.90	67.39			
0.58	164.9219	0.9407	0.9471	0.7398	0.5191	0	0.63	62.47			
0.89	165.0567	5.6285	4.9033	4.1532	2.912	2.2984	3.98	34.57			
1.59	166.0868	3.7529	3.6409	1.6774	1.7105	0.4438	2.25	63.28			
2.07	170.0606	3.9486	3.978	2.8772	2.151	0.9429	2.78	46.15			
5.89	172.1709	1.0354	1.092	0	0.8433	0.7551	0.75	58.86			
0.59	174.9417	0	0.5337	0.8954	1.1498	1.5939	0.83	72.56			
5.93	175.1343	4.9342	2.8783	0	2.9772	2.0657	2.57	69.33			
6.64	175.1373	6.4854	1.1062	2.424	0	2.2489	2.45	100.14			
10.02	175.1377	32.7681	36.1582	22.2253	32.4714	23.5245	29.43	20.98			YES
10.22	175.1379	33.79	9.5063	1.8834	11.3141	44.9842	20.30	89.77			
9.66	175.1380	3.4628	1.6787	4.418	7.5403	9.1596	5.25	58.04			
10.43	175.1389	1.6675	7.8407	5.9411	0.258	0	3.14	112.86			
5.25	175.1464	6.5486	0	2.0129	5.1448	5.2834	3.80	71.14			
0.56	177.0605	1.9156	1.7592	1.8663	1.6313	1.5613	1.75	8.62	YES	YES	YES
3.66	177.1135	4.3242	3.5811	4.0479	0	2.4543	2.88	61.14			
4.29	177.1149	14.6708	8.0587	5.4166	0	0.3255	5.69	106.64			
3.49	177.1156	13.5714	12.9249	4.9087	4.0049	4.721	8.03	59.61			
5.17	180.1768	2.6754	2.491	1.7009	0.3547	1.2348	1.69	56.11			
9.56	181.1602	0.5436	0.8314	0.8788	0.9547	1.0067	0.84	21.41			YES
7.82	184.0746	3.1029	3.1513	4.4554	2.8703	0	2.72	60.40			
8.15	184.0755	14.495	15.2422	16.9163	17.5796	18.069	16.46	9.31	YES	YES	YES
5.64	184.0756	7.025	5.439	4.9575	0	4.068	4.30	61.23			
8.42	184.0758	49.0205	22.7962	20.3687	38.6697	45.2467	35.22	36.96			
9.23	184.0758	35.7154	36.7127	29.6683	27.819	29.3402	31.85	12.74	YES	YES	YES
8.66	184.0764	68.6225	35.3648	50.4628	30.1146	39.1808	44.75	34.18			
8.83	184.0768	9.1794	9.0154	7.4561	8.3305	7.0165	8.20	11.56	YES	YES	YES
9.44	184.0778	31.4582	11.2821	10.3655	15.7512	11.4083	16.05	55.20			
10.17	184.0799	0	11.0534	6.6819	10.0797	8.1461	7.19	60.66			

10.38	184.0801	4.332	3.2787	4.9545	0.2969	0.4284	2.66	82.01			
9.99	186.1280	7.1482	5.9747	0	7.5415	0.4318	4.22	87.76			
2.06	188.0709	67.7978	62.9822	44.014	31.835	22.1023	45.75	42.88			
0.59	191.0651	4.3935	4.8639	3.9915	3.0353	3.2412	3.91	19.68	YES		YES
10.27	191.1643	1.4128	1.04	1.6414	1.8278	1.4315	1.47	20.03			YES
9.55	191.1837	0.7536	1.2329	1.3324	1.2222	1.3872	1.19	21.19			YES
3.32	194.1183	1.2429	1.3593	0.9651	0.9035	0.6443	1.02	27.76			YES
9.55	195.1771	0.6287	0.9646	1.1018	1.2604	1.2875	1.05	25.60			YES
0.63	196.8704	0.9514	1.105	1.6772	1.6208	1.0742	1.29	26.22			YES
6.12	198.1876	2.7949	2.8954	2.2137	1.7805	1.2174	2.18	32.25			
5.38	198.1882	1.2001	1.3128	1.1519	1.075	0.791	1.11	17.73	YES		YES
4.24	200.0793	1.4295	1.2981	0.9639	0.6414	0.5314	0.97	40.44			
6.97	200.2040	1.0419	1.0214	0.6609	1.5115	1.2776	1.10	28.79			YES
0.62	203.0551	42.9696	40.9268	42.3976	34.804	27.5599	37.73	17.35	YES		YES
2.07	205.0982	4.2151	3.4043	0.2604	0.7149	0.6407	1.85	98.67			
9.55	205.1982	0.7748	1.0659	1.3731	1.477	1.2996	1.20	23.44			YES
0.61	206.8982	0.9127	0.9403	1.0469	1.1148	0.9036	0.98	9.44	YES	YES	YES
5.18	208.1702	1.2456	1.2567	0.7823	0.6156	0.5505	0.89	38.22			
4.86	209.1177	6.3397	5.6779	4.4302	3.537	0.9333	4.18	50.60			
9.56	209.1945	0.5005	0.9548	1.13	1.0907	1.2277	0.98	29.14			YES
4.74	214.0951	1.553	1.2286	1.0959	1.1814	0.863	1.18	21.06			YES
3.04	215.1276	9.4336	8.923	8.937	9.7385	10.1511	9.44	5.59	YES	YES	YES
10.00	215.1554	7.5237	4.4374	4.3171	0	6.48	4.55	63.43			
0.60	216.9258	2.3818	2.9846	3.5589	4.0256	4.0079	3.39	20.82			YES
6.75	217.0814	0.4034	0.7117	0.1744	0.5503	0.1916	0.41	56.92			
1.73	217.1074	17.3695	20.0948	18.8734	17.743	13.4614	17.51	14.28	YES	YES	YES
3.98	219.0538	0.454	0.1495	0.3417	0.1175	0	0.21	85.85			
9.55	219.2135	0.8205	1.1711	1.2275	1.5793	1.5791	1.28	24.94			YES
0.60	221.0218	2.2446	2.2852	2.0135	0.3017	1.8137	1.73	47.45			
6.48	221.1589	2.4191	1.9752	1.3897	1.1956	0.7336	1.54	42.92			
9.55	223.2096	0.4425	0.8647	0.9792	0.9735	1.1145	0.87	29.42			YES
5.35	225.1964	1.1994	1.1415	1.1753	0.3466	0.7325	0.92	40.58			
5.19	226.1826	3.9522	3.5191	2.7085	2.3883	2.0173	2.92	27.46			YES
0.58	226.9543	10.7259	10.8903	17.5581	22.5438	24.7481	17.29	37.40			
6.61	227.1615	1.8626	1.8183	1.6126	1.1377	0	1.29	60.20			
8.03	228.2362	6.2058	8.1163	8.8134	10.1262	10.1171	8.68	18.78		YES	YES
4.17	229.0620	1.2441	1.1164	1.4548	1.1635	0.7699	1.15	21.64			YES
5.65	230.2510	3.3659	3.5657	3.8028	3.9377	3.5714	3.65	6.13	YES	YES	YES
2.28	231.1225	5.3739	5.371	5.177	4.455	3.3091	4.74	18.64		YES	YES
1.62	232.1564	4.3221	4.5452	0	0.3269	0.1362	1.87	125.83			
0.59	232.9077	1.0641	1.2944	1.1243	1.085	1.2115	1.16	8.29	YES	YES	YES
4.09	233.0731	2.2817	2.1822	1.7104	1.7352	1.1229	1.81	25.50			YES
0.56	233.0906	2.7793	2.6834	2.3876	1.8378	1.5451	2.25	23.90			YES
9.92	233.1802	26.2501	0.8755	0.5047	8.9567	0.8435	7.49	147.97			
10.41	233.1810	2.153	0.317	3.198	0	2.2957	1.59	86.25			
10.16	233.1812	60.7442	3.8347	20.6356	16.0309	40.7624	28.40	79.04			
6.74	235.0347	1.934	1.4496	1.9804	3.9533	2.5386	2.37	40.69			
6.35	235.1715	3.5496	3.8714	2.7184	3.3293	2.0346	3.10	23.54			YES
5.64	235.1728	4.6851	4.5656	3.7802	2.5741	2.1024	3.54	32.87			
9.55	237.2205	0.6617	0.9874	1.1833	1.5789	1.2969	1.14	30.06			
2.17	239.1500	2.1213	2.0172	2.0101	1.7841	0.7839	1.74	31.56			

8.15	240.1029	1.9659	1.6322	2.7288	3.2004	0	1.91	64.62			
9.29	240.1032	2.7497	2.6225	2.6768	0.0587	0	1.62	89.69			
8.83	240.1033	5.2746	4.9838	5.769	3.8339	6.8451	5.34	20.61			YES
8.41	240.1037	4.9677	8.8099	7.8163	8.1988	8.2943	7.62	19.99	YES		YES
8.68	240.1041	1.914	1.9683	2.1196	0	2.1303	1.63	56.20			
5.19	240.1988	0.9031	0.872	0.5673	0.3004	0.354	0.60	46.98			
6.43	240.2348	6.3736	6.8861	6.3534	6.6778	5.4694	6.35	8.52	YES	YES	YES
3.25	242.1519	1.1944	1.1582	0.8323	0.3957	0.3614	0.79	50.74			
0.58	242.9277	1.1126	1.2131	2.1119	2.761	3.503	2.14	47.64			
6.73	245.0979	1.1288	1.5466	2.0683	2.1821	2.2564	1.84	26.32			YES
2.84	245.1385	6.3624	6.3101	8.4879	6.8737	6.4395	6.89	13.31	YES	YES	YES
9.88	245.2321	0.9782	1.4805	2.1309	0	1.3082	1.18	66.27			
4.17	246.0286	0.9779	1.2034	1.0167	0.8387	0.8252	0.97	15.84		YES	YES
9.09	247.2473	7.3761	8.4487	8.161	9.1303	10.0005	8.62	11.53	YES	YES	YES
10.27	247.2493	1.7298	2.0833	2.5706	2.8803	3.0772	2.47	22.60			YES
0.65	250.0826	1.1245	1.026	0.8582	0.683	0.5951	0.86	26.01			YES
5.24	250.1803	12.1844	13.6098	17.8917	20.6796	21.5334	17.18	24.25			YES
9.56	251.2219	0.7797	1.3806	1.1636	1.7151	2.7826	1.56	48.65			
8.29	254.2495	1.0574	1.2008	0.9567	1.0773	1.0919	1.08	8.10	YES	YES	YES
6.71	255.2114	4.7703	4.3243	2.8164	1.9674	1.1687	3.01	50.78			
8.93	256.2671	16.877	16.1199	15.5204	18.2234	19.5874	17.27	9.52	YES	YES	YES
0.62	256.8249	0.9917	1.1575	1.7216	1.7621	1.1842	1.36	25.93			YES
6.73	256.9425	1.6515	1.9146	2.0919	3.874	2.926	2.49	36.44			
3.96	257.1394	8.7182	6.4155	8.2189	10.3022	10.659	8.86	19.32		YES	YES
4.80	259.0995	1.6451	1.7967	1.536	0.1836	0.7302	1.18	58.77			
3.39	259.1539	8.1338	9.1473	9.1435	3.6777	11.9944	8.42	35.83			
7.87	261.1033	0.2716	1.133	1.6266	0	1.2496	0.86	80.49			
4.96	261.1131	20.7778	21.8459	17.8919	13.4143	11.2483	17.04	26.98			YES
2.17	261.1328	47.2346	46.3873	48.9682	44.7878	37.1834	44.91	10.19	YES	YES	YES
7.98	264.2692	2.245	2.1957	2.0668	1.9281	2.0814	2.10	5.88	YES	YES	YES
5.72	265.1420	0.6996	1.0568	1.0385	0	0.3376	0.63	72.98			
9.09	265.2570	6.0596	6.7549	6.4532	7.2331	8.0224	6.90	10.98	YES	YES	YES
10.27	265.2607	1.3425	1.1926	1.5864	1.9997	1.67	1.56	20.00		YES	YES
5.18	266.1728	3.3205	3.4647	2.4698	2.0855	1.782	2.62	28.35			YES
4.08	267.0255	1.1622	1.2303	0.7866	0.7983	0.6758	0.93	26.68			YES
8.81	267.1770	1.1452	1.2939	1.9069	2.0041	1.6569	1.60	23.39			YES
7.39	268.2918	4.4844	4.7688	5.4841	7.3596	6.916	5.80	22.09			YES
9.18	270.2847	2.2949	2.3663	1.8761	0	1.9897	1.71	57.17			
7.06	270.3182	4.0669	3.2592	4.8973	5.968	6.1284	4.86	25.24			YES
7.81	270.3188	2.1329	2.0161	2.4261	3.2731	3.6261	2.69	26.57			YES
4.86	271.0963	1.7446	1.3854	1.1722	1.071	0.7756	1.23	29.43			YES
3.58	271.1525	5.5142	6.0791	6.8364	8.0753	4.1461	6.13	23.92			YES
5.49	271.1903	4.2089	3.8237	4.582	4.9631	5.3124	4.58	12.89	YES	YES	YES
3.90	273.1690	65.1905	68.1755	77.3732	81.9492	79.2374	74.39	9.81	YES	YES	YES
8.97	273.1730	0	13.5562	1.3619	1.0158	5.6968	4.33	129.49			
2.05	275.1122	18.4311	16.5693	13.4145	9.7638	6.5089	12.94	37.67			
2.62	275.1494	6.1296	5.8422	5.8357	4.6496	3.9558	5.28	17.70		YES	YES
6.73	276.9486	0.9508	1.1111	1.308	2.0203	1.9712	1.47	33.60			
5.64	277.1831	6.3853	5.3017	4.7375	3.3836	2.7399	4.51	32.51			
8.92	278.2486	1.7386	1.541	1.4759	1.5778	1.6104	1.59	6.14	YES	YES	YES
0.63	280.0947	3.0079	3.4328	3.4095	3.2689	2.7881	3.18	8.72	YES	YES	YES

5.24	282.2065	2.8795	3.4441	4.1177	4.5942	4.0694	3.82	17.44			
9.08	282.2858	25.1632	30.6094	28.5928	26.4394	30.5867	28.28	8.65	YES	YES	YES
7.34	282.2905	4.1116	4.68	4.9165	4.694	6.1788	4.92	15.58		YES	YES
4.29	283.1715	9.5313	5.9172	3.6401	0.0842	0	3.83	105.61			
2.49	283.1776	3.4201	3.1475	3.2903	2.7421	2.3195	2.98	15.09		YES	YES
7.26	283.2516	0.9805	1.3504	2.5589	2.7398	3.6083	2.25	47.72			
9.64	284.3004	5.7731	5.5553	6.0528	7.2962	9.2716	6.79	22.72			YES
8.80	285.1655	2.0408	2.0371	3.5228	2.9625	0	2.11	63.44			
8.71	285.2166	0.837	0.9657	0.9148	1.2491	1.1517	1.02	16.73		YES	YES
6.46	287.1908	2.1165	2.0337	1.443	1.5652	1.3072	1.69	21.36			YES
9.79	287.2307	0.4158	0.4675	0.496	0.4748	0.156	0.40	34.99			
5.83	288.2939	1.785	1.8952	2.7874	3.2229	0	1.94	64.00			
7.22	289.0939	1.6604	1.8223	0.4786	0.8185	0	0.96	81.15			
8.80	289.1200	2.757	2.7079	3.611	3.8607	3.0768	3.20	16.07		YES	YES
2.70	289.1284	1.5262	1.576	1.2966	1.0214	1.0053	1.29	20.98			YES
3.10	289.1638	6.023	6.6351	7.2291	7.126	6.6599	6.73	7.12	YES	YES	YES
5.25	290.1142	1.6483	1.8989	2.1386	2.4023	2.5457	2.13	17.15		YES	YES
8.81	291.1292	2.5662	2.3232	3.2846	3.5508	3.0603	2.96	17.12		YES	YES
10.04	291.2234	22.4912	1.6098	10.571	8.9982	17.0101	12.14	65.67			
10.22	291.2250	3.8986	4.3452	12.1884	7.5271	20.4527	9.68	70.97			
4.96	293.0389	2.4712	2.3466	1.9029	1.6995	1.2076	1.93	26.51			YES
8.81	293.1229	1.5178	1.5446	2.0692	1.9659	1.8294	1.79	13.85	YES	YES	YES
9.00	293.1844	3.4015	4.3537	4.4718	4.4945	4.3136	4.21	10.86	YES	YES	YES
6.46	293.2130	7.4247	7.0049	5.671	3.353	0	4.69	65.35			
7.14	293.2133	23.2949	21.9627	19.0932	16.1833	14.9405	19.09	18.81		YES	YES
6.97	293.2156	5.2027	4.199	4.2248	2.8285	2.9404	3.88	25.65			YES
0.58	294.9433	0.743	0.7434	1.1799	1.5192	1.7331	1.18	37.84			
4.94	295.0621	3.2904	3.609	3.2856	2.4933	0	2.54	58.21			
5.64	295.1038	1.1061	1.8186	1.5208	1.1895	0.7571	1.28	31.77			
9.57	295.2044	0	7.7759	8.8207	10.1015	4.6438	6.27	64.51			
7.22	296.3357	9.494	9.1075	11.8357	13.1645	12.8614	11.29	16.73		YES	YES
8.38	297.2433	9.5586	11.5738	13.2352	17.2107	16.8813	13.69	24.31			YES
7.71	298.3500	6.1032	6.7962	8.4654	9.3389	10.1066	8.16	20.65			YES
5.64	299.1629	5.3142	5.1416	4.5139	3.728	2.9069	4.32	23.28			YES
6.22	299.2026	7.0169	6.9762	4.8575	0	3.0907	4.39	67.18			
0.58	300.8994	0.7178	0.7002	0.553	0.3308	0.1639	0.49	48.80			
6.75	301.1450	39.4133	41.6345	48.0509	60.0574	63.4919	50.53	21.40			YES
9.75	301.1559	0	5.1975	4.7391	9.7005	10.9897	6.13	71.51			
4.31	301.1632	1.1002	7.4926	1.553	7.2782	7.4202	4.97	67.01			
4.17	301.1637	0.5268	2.445	8.2612	8.8117	10.1429	6.04	70.65			
8.60	302.2470	2.6768	2.8476	2.8416	3.188	2.9264	2.90	6.45	YES	YES	YES
3.75	303.0924	1.4394	1.1123	0.3342	0.1661	0.1799	0.65	91.25			
3.61	303.1808	6.5238	6.7133	8.3959	9.4394	8.7643	7.97	16.17		YES	YES
9.24	303.2124	2.8809	3.4907	4.2983	4.8495	4.4908	4.00	20.00			YES
9.55	303.3072	3.2334	5.0426	5.5338	5.9737	5.7877	5.11	21.67			YES
10.25	303.3143	2.9737	4.1653	5.6697	5.7888	5.6936	4.86	25.74			YES
9.09	304.2655	27.0017	29.976	34.3778	38.8367	40.1719	34.07	16.52		YES	YES
5.87	304.2947	6.6312	8.4687	11.314	13.1119	15.0927	10.92	31.30			
2.49	305.1590	57.1872	60.5267	60.231	54.8464	45.4269	55.64	11.09	YES	YES	YES
8.81	305.1969	0.9822	0.6752	0.499	0.8808	0.3065	0.67	41.18			
9.68	305.2415	2.0317	2.4677	3.1284	3.1312	3.0105	2.75	17.71		YES	YES

5.19	306.1097	1.2485	1.2084	0.8742	0.8143	0.8678	1.00	20.74			YES
5.24	308.1230	1.6966	1.7939	2.0057	2.137	2.1676	1.96	10.62	YES	YES	YES
9.01	309.1709	0.8627	0.8991	0.86	1.1312	0.7049	0.89	17.21		YES	YES
7.30	309.2068	0	4.083	3.5844	5.3061	5.728	3.74	60.58			
9.01	311.1929	4.6261	5.554	6.0419	6.5552	5.3441	5.62	12.95	YES	YES	YES
8.80	311.2593	7.0923	6.4145	9.3733	11.317	12.9344	9.43	29.25			YES
5.24	312.1515	0.9737	1.0257	1.2707	1.9622	1.9202	1.43	33.54			
5.63	313.1166	1.8273	1.832	1.6627	1.4133	0	1.35	57.32			
9.58	313.2076	7.7743	9.8491	0	15.0886	14.9268	9.53	65.13			
7.44	313.2371	1.0856	1.1218	1.4168	1.4596	0	1.02	58.30			
9.16	313.2772	6.3852	7.8449	9.5419	10.7575	9.56	8.82	19.40		YES	YES
9.02	315.1727	0	4.5219	6.7087	2.2477	8.4938	4.39	77.25			
4.60	315.1812	21.8646	24.4376	32.4795	46.1898	49.8666	34.97	36.08			
9.57	317.1537	8.0674	8.8063	11.098	13.7248	12.776	10.89	22.46			YES
9.00	317.1558	7.2845	8.0277	9.8588	11.2112	8.8059	9.04	17.09		YES	YES
5.67	317.1845	5.3735	2.9158	1.3439	1.7582	0	2.28	88.66			
4.03	317.1958	12.2681	12.3024	14.4012	14.8611	13.8261	13.53	8.84	YES	YES	YES
9.89	317.2238	1.1504	1.4247	1.5137	2.9159	5.2291	2.45	69.47			
2.42	319.1389	16.1105	15.4822	11.7794	7.9158	5.6011	11.38	40.46			
9.06	319.1534	0	1.3231	1.571	1.9016	1.8104	1.32	58.43			
2.89	319.1740	4.1016	4.6212	3.6261	3.1197	2.9611	3.69	18.68		YES	YES
9.25	319.2004	6.2978	7.4767	10.1217	10.4991	10.3339	8.95	21.57			YES
7.76	319.2261	21.433	15.2384	12.1882	9.9531	1.6278	12.09	60.12			
6.62	319.2452	3.3362	3.0833	3.256	2.2541	1.6519	2.72	27.03			YES
9.80	319.2563	1.186	1.3916	0.8462	0.3934	0.913	0.95	39.99			
6.95	320.2599	2.3988	2.5394	2.5306	2.1042	0	1.91	56.65			
9.01	321.1490	2.18	2.7027	3.0207	3.4145	2.6113	2.79	16.59		YES	YES
9.58	321.1567	3.9601	4.6557	6.0265	8.0662	7.0851	5.96	28.34			YES
9.68	321.2191	1.8551	6.3368	6.5692	7.4189	8.162	6.07	40.60			
7.78	321.2437	27.1683	16.2523	12.7507	3.9529	9.9112	14.01	61.59			
8.05	321.2442	9.3718	6.9529	6.382	3.124	1.573	5.48	56.93			
8.29	321.2442	0	13.8955	12.5801	6.6756	7.1559	8.06	68.56			
10.26	321.3129	4.0327	5.0439	7.555	7.8207	6.6123	6.21	26.28			YES
9.55	321.3199	3.4538	6.4118	7.195	7.6412	7.1748	6.38	26.54			YES
7.62	322.2744	28.3433	22.3259	15.9182	19.4766	12.4125	19.70	30.99			
7.38	322.2754	3.6672	0	9.3592	10.8968	10.7563	6.94	70.24			
8.87	322.2759	4.2561	3.7066	5.3189	4.8432	6.5085	4.93	21.77			YES
4.95	323.0889	1.6809	2.0415	0.5993	0.8099	0.4683	1.12	62.43			
8.82	323.1882	0.6727	0.5702	0.7824	1.2039	0.8698	0.82	29.59			YES
9.24	323.2123	1.3276	1.8275	1.2687	1.9971	1.9425	1.67	20.80			YES
9.26	325.2397	5.5506	6.1383	7.9237	8.6861	6.8535	7.03	18.21		YES	YES
9.10	325.2758	0.9023	2.9198	3.7684	5.1462	5.427	3.63	50.56			
6.87	326.3817	2.846	3.1073	3.0974	3.6428	4.0317	3.35	14.39	YES	YES	YES
0.56	327.0551	1.7582	1.5937	1.5503	1.8369	1.6243	1.67	7.19	YES	YES	YES
6.28	327.0818	9.1431	10.1969	10.6347	12.629	11.563	10.83	12.26	YES	YES	YES
7.31	327.0831	3.9624	3.2285	4.461	5.4264	5.8148	4.58	23.07			YES
2.74	327.2057	4.0815	3.8692	3.8049	2.8342	2.5248	3.42	20.30			YES
7.19	327.2491	1.2263	1.1696	0.7573	2.0445	1.9037	1.42	37.97			
7.97	327.2527	1.5667	1.9584	1.689	2.0608	1.9019	1.84	11.03	YES	YES	YES
4.26	329.1973	8.846	8.8531	10.4609	8.6329	8.1245	8.98	9.77	YES	YES	YES
5.95	329.2271	1.9152	1.8955	2.6964	2.7761	3.1974	2.50	22.91			YES

4.47	331.2110	106.1526	111.4684	115.297	116.6346	111.7257	112.26	3.63	YES	YES	YES
4.61	331.2116	6.1183	7.68	5.9126	1.0642	1.0183	4.36	71.23			
9.80	331.2214	0.9151	1.9593	5.3828	0	1.4107	1.93	106.45			
7.99	331.2225	30.1202	22.0242	13.6714	15.5845	15.0583	19.29	35.53			
2.95	333.1546	1.5853	1.2049	1.0077	0.7156	0.566	1.02	39.76			
3.34	333.1920	4.1742	4.5796	4.7659	4.4984	4.3747	4.48	4.95	YES	YES	YES
6.75	335.1382	1.9693	2.5993	2.5342	2.7534	2.5749	2.49	12.09	YES	YES	YES
8.83	335.2052	0.3725	0.3584	0.4436	0.2301	0.6263	0.41	35.74			
7.53	335.2217	9.0698	8.199	6.121	3.9812	3.1812	6.11	41.91			
6.44	335.2235	17.2692	12.5157	8.2818	4.4136	6.8421	9.86	51.49			
5.76	337.1082	11.5326	11.1666	11.9684	10.8717	9.6721	11.04	7.87	YES	YES	YES
7.77	337.1901	2.0567	9.472	8.3967	7.7529	0	5.54	76.29			
9.26	337.2015	7.3416	7.9837	10.9259	11.051	10.4137	9.54	18.32		YES	YES
8.46	337.2370	5.654	7.9218	11.0786	13.2572	14.8113	10.54	35.69			
10.27	338.3497	16.0678	22.1295	33.9428	38.0229	36.7215	29.38	33.14			
5.64	339.1417	1.5355	1.4702	0.9922	0.7732	0.4764	1.05	43.17			
9.68	339.2249	5.4761	7.0972	7.8037	10.6085	9.5633	8.11	24.98			YES
9.56	339.3267	0.9174	1.3327	1.4583	1.5239	1.7219	1.39	21.55			YES
3.75	340.1801	1.1838	1.2306	1.1543	1.1346	0.8358	1.11	14.11	YES	YES	YES
8.82	341.1557	0	2.2709	3.2207	3.2836	2.1052	2.18	61.08			
9.25	341.1588	0	1.8749	2.52	2.4731	2.2876	1.83	57.60			
7.72	341.2522	1.8479	1.6927	2.0259	2.6396	2.0378	2.05	17.55		YES	YES
8.45	341.2695	5.1054	4.6081	8.389	8.0563	10.1525	7.26	32.26			
9.81	341.2910	2.914	2.4758	3.8444	6.5714	6.7748	4.52	44.98			
5.45	343.1306	2.4991	2.7599	2.7588	2.3058	2.1959	2.50	10.27	YES	YES	YES
9.25	343.1660	13.2885	15.1796	18.5298	21.2197	16.7335	16.99	17.97		YES	YES
7.80	343.1747	16.6996	15.9894	14.9802	11.0588	9.3571	13.62	23.71			YES
9.10	344.1967	4.4662	5.3842	7.0338	7.0141	6.5737	6.09	18.55		YES	YES
2.32	345.1544	4.5746	3.9983	3.1175	0	1.4174	2.62	72.07			
9.68	345.1817	0	8.8564	12.2805	13.1362	13.0813	9.47	58.89			
4.34	345.1906	0	7.6507	7.3863	7.9255	7.6436	6.12	55.99			
9.58	345.2303	1.4599	1.8541	2.1259	2.7808	2.9315	2.23	27.82			YES
9.25	347.1662	6.4153	6.1702	7.0739	8.4387	7.9713	7.21	13.55	YES	YES	YES
3.79	347.2055	4.5177	4.5572	5.7554	5.5917	6.3159	5.35	14.72	YES	YES	YES
7.14	347.2231	40.5083	27.1903	25.3596	22.1806	0	23.05	63.59			
6.98	347.2231	6.2695	7.3679	0	4.7079	4.1911	4.51	62.50			
10.11	347.2271	3.6912	3.2668	2.074	5.2355	0.7472	3.00	56.41			
9.87	347.2395	0.323	0.3458	1.9053	0	4.0259	1.32	127.61			
9.80	347.2952	6.2139	5.6919	5.0325	6.7948	6.4838	6.04	11.50	YES	YES	YES
5.45	348.9940	1.8456	1.8595	2.3206	2.1805	2.1406	2.07	10.10	YES	YES	YES
6.28	349.0641	2.5828	2.7702	3.0893	3.272	3.2758	3.00	10.35	YES	YES	YES
2.74	349.1850	50.8781	52.9738	45.4811	37.9722	32.0377	43.87	20.05			YES
9.68	349.2139	1.7277	3.2027	4.927	3.0539	4.7139	3.53	37.35			
7.22	349.2389	49.9225	25.5122	21.8321	0	13.9241	22.24	82.33			
7.01	349.2392	9.8097	10.7896	14.3192	6.4409	6.4314	9.56	34.60			
10.17	349.2644	17.0952	4.5892	11.9585	4.9907	11.5945	10.05	52.46			
8.20	350.2775	9.9355	9.841	8.173	0.4198	2.6945	6.21	70.53			
9.58	350.3041	1.512	1.7139	1.9923	2.1495	2.4972	1.97	19.40		YES	YES
5.45	350.9902	1.7645	1.8541	2.295	2.163	2.2887	2.07	11.99	YES	YES	YES
5.64	351.1665	1.5135	1.3898	1.5313	1.115	0.4929	1.21	35.85			
8.92	351.2889	2.6748	2.7383	3.4751	3.7388	4.4418	3.41	21.57			YES

0.60	352.9015	0.4194	0.452	0.7791	0.8747	1.0511	0.72	38.23			
9.18	353.2707	19.2637	21.2214	24.5906	23.2806	23.8933	22.45	9.71	YES	YES	YES
9.59	355.1955	0	0.7469	1.9445	2.3407	1.0794	1.22	76.67			
6.61	355.2664	40.1062	37.5836	28.1487	21.196	16.0945	28.63	35.99			
5.80	355.2677	11.5859	10.7103	8.3386	5.5833	4.3736	8.12	38.58			
7.41	357.2811	13.535	12.7237	10.217	7.6173	5.6745	9.95	33.45			
6.47	357.2820	14.9827	12.8749	8.7695	7.0692	4.4816	9.64	44.33			
4.76	359.2064	4.3442	12.1373	14.0516	6.7134	7.3528	8.92	45.17			
6.41	359.2096	0.5259	4.8103	1.4345	5.9669	3.1019	3.17	71.50			
5.32	359.2176	4.4596	1.2352	3.1995	6.3567	7.3779	4.53	54.21			
6.18	359.2392	15.3495	15.6475	18.4877	18.9958	21.2547	17.95	13.75	YES	YES	YES
3.69	360.1770	1.2196	1.1807	1.1936	0.9812	0.807	1.08	16.54		YES	YES
10.32	360.2922	0	1.0066	0.5632	0.7721	0.573	0.58	63.93			
10.25	360.3325	7.9362	10.8567	14.7595	18.0377	16.8748	13.69	30.84			
4.20	361.2235	7.7403	8.2346	8.636	8.5198	9.7439	8.57	8.62	YES	YES	YES
3.85	362.1907	2.1425	2.1681	2.5811	2.6289	2.0924	2.32	11.18	YES	YES	YES
9.10	362.2120	3.1329	3.5801	4.4726	5.3906	5.6678	4.45	24.78			YES
0.57	362.9311	3.4189	3.2983	5.5686	7.428	8.4197	5.63	41.05			
6.72	363.1324	1.1707	0	1.1608	1.0602	2.0482	1.09	66.89			
2.71	363.1649	14.0929	14.2374	9.7143	7.3612	5.4174	10.16	38.92			
3.10	363.2007	2.1566	2.0982	1.6565	1.671	1.5451	1.83	15.37		YES	YES
9.24	363.2546	2.0835	1.8195	1.8202	1.8161	2.1593	1.94	8.66	YES	YES	YES
9.54	363.3322	0.6752	1.2432	1.4978	1.0838	1.7595	1.25	32.91			
0.65	365.1076	1.4528	1.414	1.5312	1.1347	1.0973	1.33	14.84	YES	YES	YES
5.46	365.1087	0.9199	1.1352	0.371	0.7955	0.7602	0.80	35.09			
6.56	365.1363	203.6827	223.5739	208.7778	196.7258	169.6292	200.48	9.91	YES	YES	YES
6.43	365.2563	2.6347	2.8296	2.2292	2.336	1.8815	2.38	15.43		YES	YES
8.75	365.2738	1.9742	1.8521	1.7721	1.5083	0.7863	1.58	30.07			
9.69	365.3355	0.9897	0.5702	2.0975	2.5741	2.1387	1.67	50.79			
9.10	366.2319	4.1356	4.688	5.5799	7.0218	7.2866	5.74	24.23			YES
9.19	367.1743	2.5184	2.2945	2.5915	2.7705	4.5003	2.94	30.37			
9.19	367.1982	0.6155	2.488	2.5915	2.7705	0	1.69	76.03			
5.90	367.2499	14.2007	4.147	8.0803	5.643	6.2187	7.66	51.18			
4.93	367.2648	1.6967	1.6788	1.7396	1.1532	0.924	1.44	26.04			YES
9.69	367.2723	0	7.4221	7.2082	3.1372	5.0674	4.57	67.74			
10.00	367.2912	6.6055	20.0862	20.8663	18.2554	5.3815	14.24	53.37			
0.58	368.8869	0.4646	0.4961	0.4339	0.3568	0	0.35	57.82			
7.32	369.1367	0.181	0.3829	1.5396	1.5057	1.6224	1.05	67.16			
7.53	369.1816	2.773	2.5557	2.1793	1.7814	0.9156	2.04	35.95			
9.20	371.1798	0.9375	1.264	0.8951	1.1776	2.0251	1.26	36.14			
2.95	371.2311	5.3171	5.2199	4.6088	3.4135	2.8404	4.28	25.83			YES
8.01	371.2636	1.1688	1.33	0.3809	1.6235	1.7939	1.26	43.55			
5.81	373.1429	4.4721	2.1035	1.932	1.0216	1.8783	2.28	56.74			
5.82	373.1767	0.4341	3.2191	4.4977	1.32	2.3967	2.37	66.94			
6.49	373.2180	9.3361	4.8887	2.6168	4.3087	6.3371	5.50	45.95			
5.03	373.2217	38.8824	47.186	56.8121	60.4823	60.6394	52.80	18.01		YES	YES
6.86	373.2219	0	4.666	2.4587	3.728	10.9419	4.36	93.50			
5.29	373.2228	9.0065	0.5518	3.0073	0.6771	0	2.65	141.08			
8.96	373.2260	0	1.0358	10.668	9.5713	12.7655	6.81	86.18			
6.62	373.2726	15.9483	14.1795	8.4809	7.3286	6.3499	10.46	41.29			
7.53	375.1670	3.3334	3.0617	3.2701	0.644	0.3909	2.14	69.50			

4.59	375.2381	16.411	17.8382	16.438	16.5347	15.6669	16.58	4.74	YES	YES	YES
3.17	377.1825	1.7652	1.8598	0.9233	0.6674	0.5472	1.15	53.66			
3.52	377.2188	2.2065	2.4862	1.9139	2.6042	2.152	2.27	12.11	YES	YES	YES
8.84	377.2723	6.8518	7.1136	5.6063	5.6793	6.9912	6.45	11.50	YES	YES	YES
7.53	379.1631	1.8389	2.3711	1.4571	0.6385	0.4412	1.35	60.04			
2.87	379.1950	3.137	2.8333	2.1041	1.3434	0.9829	2.08	44.53			
6.47	379.2436	0	2.5081	2.7369	1.8217	0.8504	1.58	72.61			
9.30	379.2864	8.596	7.2939	7.27	9.6895	10.628	8.70	16.99		YES	YES
9.54	379.3224	22.4893	44.2412	54.5747	57.3096	52.7292	46.27	30.61			
9.80	381.3046	9.3245	10.4204	15.5867	20.373	16.929	14.53	31.73			
3.79	382.1879	3.1351	2.7991	2.947	2.9763	2.3413	2.84	10.67	YES	YES	YES
0.66	383.1186	1.2824	1.4768	1.5477	1.2166	0.7173	1.25	26.15			YES
3.92	384.2044	2.7399	2.9627	2.8074	2.6766	2.4958	2.74	6.27	YES	YES	YES
9.05	385.2798	2.0789	1.5875	2.7812	2.1886	0	1.73	61.07			
8.47	385.2964	2.7049	4.3393	5.2846	5.6756	5.4696	4.69	26.08			YES
7.10	387.1722	1.9983	2.0953	2.4126	1.5744	0	1.62	58.89			
4.77	387.2397	12.7551	14.4644	10.8895	10.3107	0	9.68	58.39			
7.28	388.3438	1.7115	1.5696	2.5821	3.0485	3.2957	2.44	31.80			
2.62	389.1812	10.718	9.6704	8.3971	5.3195	4.0052	7.62	37.55			
4.93	389.2520	140.7209	144.7935	138.8026	123.2939	113.9972	132.32	9.89	YES	YES	YES
9.84	389.2618	6.8146	0.2403	6.0991	4.443	0	3.52	91.53			
7.30	389.2629	3.5685	5.5262	0.3716	0	1.5204	2.20	105.71			
10.18	389.2641	0.6056	0	3.4715	6.8157	5.2904	3.24	90.71			
9.11	390.2116	1.8011	2.9474	3.2412	3.9829	4.0322	3.20	28.50			YES
7.31	391.1122	2.2453	2.3143	2.765	2.8693	1.1031	2.26	31.04			
3.93	391.2305	2.6943	2.9275	3.8607	3.7906	3.5316	3.36	15.57		YES	YES
2.95	393.2106	51.4125	48.0893	44.3657	35.5685	28.6848	41.62	22.45			YES
9.77	393.3047	11.7878	14.3534	14.4451	14.4649	17.3195	14.47	13.52	YES	YES	YES
9.40	393.3049	6.3952	6.9541	9.3861	12.4043	11.7547	9.38	28.99			YES
9.11	394.2031	1.6238	1.5126	2.5054	2.1865	2.7872	2.12	25.94			YES
5.81	395.1174	2.1345	1.7686	1.7545	0	1.0514	1.34	63.08			
9.55	395.2928	2.2854	4.176	5.5123	5.7989	5.8846	4.73	32.35			
10.29	395.3660	1.1567	1.5628	0.5176	1.2069	1.0779	1.10	34.13			
6.56	399.0836	3.6591	4.3389	4.7647	4.5244	4.4764	4.35	9.58	YES	YES	YES
9.45	399.2117	0.418	1.0832	1.0868	2.0639	1.7741	1.29	50.39			
7.32	400.3437	1.8488	1.7238	1.3912	1.373	1.3619	1.54	14.91	YES	YES	YES
7.51	401.2743	1.8134	2.172	2.3813	1.711	2.2477	2.07	13.98	YES	YES	YES
9.54	401.2814	3.7072	6.0317	8.2288	8.9248	8.7477	7.13	31.34			
10.11	401.3504	4.8509	5.675	5.5209	5.6255	6.2272	5.58	8.80	YES	YES	YES
5.46	403.1646	3.921	4.5015	4.7091	3.5671	3.1801	3.98	15.99		YES	YES
4.80	403.2339	2.2081	8.8728	9.0101	9.1965	9.5955	7.78	40.18			
8.48	403.2770	1.3538	1.4377	2.6822	3.0466	2.4076	2.19	34.61			
3.87	404.2023	4.2965	4.3878	4.0609	4.3074	3.6464	4.14	7.29	YES	YES	YES
6.56	405.0729	2.037	2.2944	2.3961	2.2741	2.0319	2.21	7.43	YES	YES	YES
4.33	405.2506	4.5937	4.8776	5.9576	5.8606	5.6342	5.38	11.37	YES	YES	YES
4.00	406.2170	4.6091	4.7471	4.5993	3.7681	3.2321	4.19	15.78		YES	YES
2.94	407.1922	9.2706	9.3677	7.4283	5.8616	4.2733	7.24	30.41			
10.08	407.3390	12.6487	5.5535	8.1431	9.5903	8.8693	8.96	28.61			YES
7.29	409.2687	7.7602	7.6682	8.5426	8.3473	8.004	8.06	4.65	YES	YES	YES
0.60	410.8619	0.2908	0.3178	0.5149	0.5551	0.5918	0.45	30.77			
6.56	411.1336	3.3812	3.4326	4.0519	4.0434	3.9545	3.77	8.92	YES	YES	YES

2.84	411.2254	1.9244	1.8844	1.2538	0.9002	0.6169	1.32	44.29			
3.40	412.2164	2.382	1.8286	1.1333	0.9919	0.7123	1.41	48.35			
6.00	412.2880	1.6851	1.6164	1.3209	0.786	0.2748	1.14	52.62			
9.75	413.2704	79.3124	83.4668	92.8671	158.0125	168.6725	116.47	37.12			
10.27	413.2963	0.6188	1.7692	3.3564	2.7516	2.3524	2.17	48.04			
9.28	413.3242	1.5776	1.549	1.3416	0	1.9269	1.28	58.27			
5.70	414.3024	2.0096	1.7007	1.1093	0	0.5865	1.08	75.42			
3.13	415.2563	7.6491	8.428	7.239	6.05	4.7969	6.83	20.87			YES
6.47	415.2769	4.121	3.7757	2.5563	1.7552	1.3994	2.72	44.17			
7.41	415.2835	11.8868	10.8409	8.5193	6.615	4.8351	8.54	34.10			
7.92	416.3663	0.7067	0.9696	1.4594	1.9202	1.6432	1.34	36.96			
6.63	417.2025	2.1191	2.418	1.3488	1.8152	1.7103	1.88	21.61			YES
5.19	417.2493	4.2181	16.1221	5.5097	13.1389	17.3326	11.26	53.76			
6.47	419.2023	3.3518	3.2166	2.6475	2.2674	1.8817	2.67	23.27			YES
4.69	419.2665	9.4941	0	9.2491	9.1515	7.9296	7.16	56.54			
0.60	420.8893	0.411	0.3801	0.8095	0.8139	0.8204	0.65	35.52			
3.34	421.2088	1.3541	1.2672	1.0045	0	0.3253	0.79	75.72			
9.93	421.3343	1.1592	1.4792	2.3121	1.7753	1.2886	1.60	28.65			YES
3.08	423.2229	2.145	2.2997	1.5918	1.2267	0.9486	1.64	35.26			
10.11	423.3310	3.9455	3.8768	5.0693	5.5864	5.7594	4.85	18.40		YES	YES
7.02	424.2783	1.4465	1.6317	1.5824	1.881	1.8074	1.67	10.48	YES	YES	YES
5.46	425.1273	1.792	1.8852	1.7452	1.449	1.0036	1.58	22.77			YES
5.27	425.3055	3.1149	2.756	2.6255	1.2148	1.92	2.33	32.57			
10.29	425.3163	7.7263	0.3967	4.4884	0	7.1958	3.96	92.16			
10.00	425.3179	13.6232	6.1792	2.6768	10.8467	5.3401	7.73	57.14			
9.78	425.3221	3.8196	2.4546	0	2.4586	0.2336	1.79	90.92			
3.94	426.2155	3.8884	4.9369	4.8039	4.6117	4.2306	4.49	9.58	YES	YES	YES
7.51	426.3635	1.1758	1.0955	0	0.8275	0.5398	0.73	65.57			
6.56	427.1087	4.8035	5.7126	5.8687	6.6473	6.1246	5.83	11.58	YES	YES	YES
5.82	427.2451	1.9245	1.6242	0	0.7777	0.6948	1.00	76.92			
3.36	428.2028	0.9891	0.9678	0.5873	0	0.3559	0.58	72.35			
4.06	428.2312	4.3435	4.1715	4.4463	3.7059	2.8988	3.91	16.20		YES	YES
3.12	429.2350	1.1183	1.0859	0.3038	0	0.1298	0.53	101.52			
5.85	429.2635	12.9113	13.1481	12.0626	8.6423	7.1914	10.79	25.06			YES
8.48	429.3211	2.8087	3.3511	4.2563	4.7558	4.0754	3.85	19.99		YES	YES
0.58	430.9188	3.1875	2.9839	4.9016	6.5839	7.6646	5.06	40.64			
5.40	431.2649	34.985	36.0674	37.7089	43.5657	42.4745	38.96	9.88	YES	YES	YES
5.80	431.2781	27.3339	20.4534	18.6369	11.3412	0	15.55	66.81			
6.61	431.2801	34.1371	32.9428	26.5577	22.3441	19.9224	27.18	23.13			YES
2.84	433.2073	19.7304	17.5996	13.7726	8.8307	7.7473	13.54	38.84			
5.01	433.2807	15.7349	15.4544	15.7188	14.8762	15.9415	15.55	2.65	YES	YES	YES
4.05	435.2537	2.3203	2.4228	2.4177	2.6411	2.4204	2.44	4.83	YES	YES	YES
0.58	436.8752	0.5541	0.6051	0.5283	0.352	0	0.41	60.58			
6.64	437.1938	1.8501	1.7477	0.5378	1.2144	0.424	1.15	57.33			
7.42	437.2245	3.0351	2.7624	2.0057	1.6204	0.6256	2.01	47.76			
3.13	437.2378	54.8808	55.372	50.4634	39.6533	32.2101	46.52	21.92			YES
7.52	437.2688	2.5533	2.9068	3.9608	0	1.4137	2.17	69.90			
9.55	437.2708	0.9847	1.6721	2.5923	2.5207	2.2971	2.01	33.76			
7.60	438.2867	14.7821	15.1509	16.6142	15.2583	18.4419	16.05	9.39	YES	YES	YES
9.78	439.3454	1.2726	1.4256	1.4056	1.0646	2.859	1.61	44.56			
5.39	441.2843	2.0367	1.9057	1.5995	0.7446	0.9724	1.45	39.27			

10.20	441.3105	22.8762	27.3365	26.1216	17.4067	35.7495	25.90	25.93				YES
5.15	443.2388	1.2903	1.4519	0.6557	0.7883	0.4191	0.92	47.27				
6.57	445.0948	2.1636	2.5509	2.6237	1.514	2.3428	2.24	19.82	YES			YES
6.63	445.1960	1.0886	1.3854	0.78	1.248	0	0.90	61.25				
5.17	445.2792	11.7941	11.6631	13.5681	9.5135	7.7054	10.85	20.93				YES
7.53	445.3060	1.3755	1.2832	1.5107	1.7715	1.3138	1.45	13.74	YES	YES		YES
6.63	447.2532	4.3472	4.353	4.1075	4.116	4.2339	4.23	2.82	YES	YES		YES
5.28	447.2939	144.9174	137.2068	118.5914	109.66	103.4606	122.77	14.46	YES	YES		YES
5.45	447.2952	9.2665	6.6677	5.1147	0.5993	4.4341	5.22	60.96				
9.26	447.3000	0	3.2064	2.8497	2.6165	3.1276	2.36	56.77				
4.01	448.2288	4.9378	5.3155	4.3394	4.4207	3.4641	4.50	15.58		YES		YES
5.58	449.2234	1.3249	1.7698	1.6173	1.2629	1.2897	1.45	15.64		YES		YES
6.47	449.2361	4.0102	4.1599	3.7627	3.0188	3.0693	3.60	14.73	YES	YES		YES
7.42	449.2370	3.6861	3.0042	2.8695	2.2143	1.6074	2.68	29.66				YES
4.42	449.2774	3.0041	3.3453	3.0939	3.8304	3.5407	3.36	9.99	YES	YES		YES
4.13	450.2415	2.3843	2.5403	2.3078	1.9306	1.5238	2.14	19.17		YES		YES
7.78	450.2976	1.7538	1.5372	1.153	1.6118	1.7146	1.55	15.43		YES		YES
6.56	451.0778	2.98	3.8502	3.7369	3.8781	3.6178	3.61	10.20	YES	YES		YES
3.13	451.2178	7.6835	7.8153	6.4735	4.9341	3.9896	6.18	27.29				YES
5.72	452.2477	1.871	2.0166	1.3409	1.0654	0.8149	1.42	36.16				
5.80	453.2111	3.0304	2.7947	2.6302	1.8151	1.8715	2.43	22.78				YES
6.62	453.2256	2.6284	2.7927	2.4607	1.9446	1.7932	2.32	18.72		YES		YES
9.57	453.3417	0.7779	0	0.6381	0.3219	0.8045	0.51	67.44				
6.47	455.2164	2.5197	2.9443	2.2293	1.9278	0	1.92	59.20				
7.41	455.2258	1.6121	1.6122	1.2319	0.9262	0.0932	1.10	57.49				
3.05	455.2538	4.283	4.2126	3.1699	2.1563	1.599	3.08	38.99				
10.33	455.3287	3.1236	3.8949	4.9394	6.5622	4.4405	4.59	28.11				YES
3.80	457.2358	2.1066	2.1545	2.5804	0.9936	1.771	1.92	30.86				
8.04	457.2409	1.3924	1.7008	1.6183	0	1.7448	1.29	56.88				
9.33	457.3420	2.7663	3.6195	0	3.2252	4.7296	2.87	61.37				
8.67	459.2554	13.5303	15.0146	18.1417	27.2663	21.5694	19.10	28.84				YES
3.29	459.2825	7.5048	7.3355	5.9592	4.9968	3.8087	5.92	26.47				YES
7.43	459.3504	1.2045	1.4757	1.0725	1.3483	1.2797	1.28	11.86	YES	YES		YES
7.60	460.2997	3.5791	3.75	4.1732	5.2991	4.8949	4.34	17.02		YES		YES
5.19	461.2761	4.5329	12.6083	10.4025	9.9943	10.2614	9.56	31.36				
8.82	461.3218	1.4227	1.758	2.2484	1.6709	2.3996	1.90	21.56				YES
8.84	463.2454	1.0208	1.0961	0.8206	1.3237	1.494	1.15	22.85				YES
4.76	463.2913	6.5727	6.7386	6.3907	6.6973	6.2995	6.54	2.92	YES	YES		YES
8.26	464.3187	2.1599	2.3223	2.268	3.432	2.1175	2.46	22.34				YES
6.62	465.2296	4.3902	5.0107	4.4221	3.8386	3.339	4.20	15.13		YES		YES
5.80	465.2358	4.3352	3.764	3.8622	2.9086	2.2105	3.42	24.82				YES
7.79	466.3017	2.8866	3.4589	3.6575	3.7617	1.6511	3.08	28.19				YES
3.25	467.2509	2.4305	2.4252	1.8626	1.2718	0.4971	1.70	48.55				
7.86	467.3097	20.8653	20.3686	23.6584	22.0576	22.8739	21.96	6.22	YES	YES		YES
9.69	467.3764	3.7246	4.2187	3.812	3.0796	4.2115	3.81	12.24	YES	YES		YES
7.78	468.3138	6.3432	6.5302	0	7.2871	2.4557	4.52	69.66				
4.08	470.2428	4.1925	4.488	4.4094	4.149	3.0936	4.07	13.83	YES	YES		YES
6.61	471.2172	3.078	3.2015	2.7231	2.3847	1.8907	2.66	20.10				YES
5.80	471.2193	1.7435	1.8373	1.3126	1.047	0.6312	1.31	37.96				
4.19	472.2583	2.0569	1.9021	1.7734	0.5226	1.2205	1.50	42.04				
5.69	472.3070	1.5409	1.3871	1.0055	0.7318	0.4588	1.02	43.75				

8.50	473.3504	1.9259	2.0709	2.3257	2.9371	2.5697	2.37	17.04		YES	YES
9.26	475.1637	0.1681	0.1222	0.5063	0.2224	0.6452	0.33	69.06			
9.12	475.2286	1.1313	1.5394	0.7618	0.6483	1.3293	1.08	34.69			
9.75	475.2609	0.3749	0.865	1.0704	1.6358	1.6275	1.11	48.02			
5.53	475.2940	3.5344	4.0822	15.5212	16.9353	13.1359	10.64	60.02			
3.28	476.3098	0.8738	1.1021	0.7014	0.5612	0.361	0.72	39.54			
8.03	476.3186	4.226	4.7536	4.6798	4.3959	6.0333	4.82	14.78	YES	YES	YES
3.04	477.2331	31.5717	33.6894	25.5484	19.6484	16.8928	25.47	28.60			YES
6.33	477.3043	23.1871	20.0741	12.8113	3.341	2.0437	12.29	77.68			
5.07	477.3069	14.8296	9.1048	7.615	8.188	0	7.95	66.59			
9.11	478.3328	0	6.7423	6.6253	9.1016	13.7023	7.23	68.51			
8.67	478.3342	57.2152	61.0068	68.6391	70.5844	70.3147	65.55	9.27	YES	YES	YES
8.48	478.3352	11.0069	5.6437	7.1361	8.2353	6.7423	7.75	26.33			YES
10.42	478.3384	1.3275	2.2783	1.9745	0.6163	1.9555	1.63	40.73			
10.01	478.3392	4.7286	6.8534	4.0426	4.8963	5.0642	5.12	20.43			YES
3.84	479.2491	3.5866	4.0808	3.5181	3.6666	3.223	3.62	8.57	YES	YES	YES
4.17	479.2831	1.5185	1.6366	1.7177	1.7955	1.27	1.59	12.92	YES	YES	YES
3.30	481.2639	45.0798	44.6708	35.5423	27.8319	22.6734	35.16	28.39			YES
8.25	482.3259	5.2812	5.9799	5.4938	4.6467	5.6781	5.42	9.24	YES	YES	YES
9.10	482.3672	2.9202	3.1085	2.6589	2.9175	2.9493	2.91	5.54	YES	YES	YES
8.34	483.2565	7.2466	8.1557	9.002	10.6248	13.5457	9.71	25.49			YES
5.60	483.3571	3.4473	3.1585	3.5083	2.4274	2.414	2.99	17.96		YES	YES
9.99	483.3644	4.3636	6.5074	6.3673	14.501	3.5308	7.05	61.74			
8.83	485.2740	7.9137	7.4197	5.8044	5.8824	5.7517	6.55	15.74		YES	YES
5.25	486.2849	1.9112	1.873	1.417	0.54	0.6738	1.28	50.57			
9.39	487.2944	8.5389	8.9614	8.1321	8.6535	8.2299	8.50	3.93	YES	YES	YES
6.63	489.2561	1.0247	1.7196	1.506	0.4672	0.1238	0.97	69.68			
5.73	489.3078	25.6641	22.3939	26.2203	27.349	27.9039	25.91	8.32	YES	YES	YES
7.88	489.3158	0	5.6249	6.2253	6.3723	7.2426	5.09	57.04			
3.04	491.2125	1.3817	1.3227	0.7737	0.5917	0.5602	0.93	42.99			
5.35	491.3230	13.4521	14.6488	15.4186	14.3275	14.1355	14.40	5.00	YES	YES	YES
4.14	492.2542	2.6912	2.3595	2.3435	2.0021	1.8633	2.25	14.50	YES	YES	YES
3.05	493.2083	1.8262	1.782	1.4394	0.997	0.8386	1.38	32.57			
9.74	493.2624	0.4705	0.7422	0.2666	1.4713	1.5903	0.91	65.45			
4.51	493.3033	2.3711	2.3398	2.4328	2.6859	2.5736	2.48	5.87	YES	YES	YES
9.80	493.3831	1.2681	1.9618	0.7046	1.3514	0	1.06	70.01			
8.03	494.3288	11.9042	13.2059	12.6114	13.7044	13.8152	13.05	6.11	YES	YES	YES
3.29	495.2450	5.0037	4.7356	3.8075	3.0946	2.2027	3.77	30.74			
9.57	495.3606	2.0308	2.0714	0	1.8427	3.0276	1.79	61.52			
8.13	496.3321	22.2757	24.091	25.2201	27.8957	26.9337	25.28	8.85	YES	YES	YES
8.67	496.3413	190.989	199.5544	243.8299	232.057	235.4726	220.38	10.67	YES	YES	YES
8.48	496.3440	44.5479	22.4427	20.2118	22.0066	20.0759	25.86	40.61			
3.31	497.2408	4.1086	4.0221	3.1265	2.241	1.9844	3.10	31.69			
0.57	498.9084	0.8766	0.9073	1.6168	2.0035	2.4456	1.57	43.63			
3.21	499.2800	9.6177	8.3371	5.3057	4.9475	4.0127	6.44	37.29			
9.11	500.1164	0.6245	0.8912	1.1478	1.4546	1.7236	1.17	37.39			
3.90	501.2629	4.0155	4.2086	3.7348	4.2136	3.987	4.03	4.88	YES	YES	YES
8.33	502.3339	20.5962	21.5714	24.8817	29.1062	32.3093	25.69	19.37		YES	YES
4.41	503.2670	2.5292	2.8688	2.5801	2.235	2.0026	2.44	13.65	YES	YES	YES
3.42	503.3106	14.2098	14.4501	11.6308	9.1735	7.1822	11.33	27.90			YES
5.49	503.3212	11.009	12.4843	8.7259	8.6091	10.594	10.28	15.90		YES	YES

9.61	503.3556	3.7763	3.5506	3.4923	5.0907	4.9232	4.17	18.64		YES	YES
8.26	504.3134	3.1517	5.2198	5.8179	6.8388	0	4.21	64.42			
8.83	504.3501	25.5695	22.03	17.0672	19.0389	15.9827	19.94	19.55		YES	YES
5.24	505.3034	3.5914	3.1843	4.3413	3.3092	4.2761	3.74	14.43	YES	YES	YES
8.42	505.3305	7.6461	0	3.2343	3.8448	0.8765	3.12	95.86			
5.60	505.3364	120.0127	117.8147	101.2629	91.8255	85.3378	103.25	14.91	YES	YES	YES
9.39	506.3664	43.9779	41.4498	31.8959	27.5837	31.657	35.31	19.90		YES	YES
8.31	507.2601	3.2917	3.17	2.9004	3.1203	4.0386	3.30	13.14	YES	YES	YES
4.83	507.3174	4.1224	4.3751	3.8322	4.0963	3.4808	3.98	8.53	YES	YES	YES
5.88	509.2362	2.1067	2.4594	1.7691	1.3261	0.6605	1.66	42.07			
8.39	510.3293	3.4855	3.6946	4.8288	5.7636	6.3832	4.83	26.14			YES
9.03	510.3609	15.0796	13.6304	6.8578	5.7819	8.982	10.07	40.86			
9.74	510.3990	1.5869	1.3359	0.6489	1.2381	1.8745	1.34	34.17			
5.90	511.2320	1.5418	1.3401	0.2571	0	0.272	0.68	103.29			
3.38	511.2809	1.7276	1.3994	1.0655	1.1241	0.5766	1.18	36.20			
9.65	512.6802	2.0141	2.2621	3.3581	4.0224	4.1445	3.16	31.13			
10.44	513.4227	1.1235	1.1706	1.2689	1.3815	1.4658	1.28	11.13	YES	YES	YES
4.20	514.2651	1.964	2.2407	1.7198	1.7783	1.476	1.84	15.57		YES	YES
5.87	515.2078	2.8014	3.056	2.8921	1.7722	0.7162	2.25	44.20			
8.68	515.3255	1.5324	1.3767	2.7144	2.7088	1.8811	2.04	31.20			
8.03	516.3121	6.178	6.7052	6.3695	6.7917	7.3838	6.69	6.92	YES	YES	YES
5.88	517.2144	3.5411	3.1822	3.9301	2.2412	2.277	3.03	24.90			YES
8.49	517.3591	3.704	2.7157	2.5682	3.6741	4.8207	3.50	25.97			YES
8.68	518.3248	100.7549	105.6043	125.7344	140.4093	111.5906	116.82	13.85	YES	YES	YES
6.49	518.3260	8.5441	8.4312	6.2125	5.1532	4.6663	6.60	27.43			YES
8.48	518.3267	24.3587	26.5608	22.4204	24.9652	27.0754	25.08	7.40	YES	YES	YES
5.46	519.3200	11.9162	11.5121	10.9014	9.2568	11.0289	10.92	9.29	YES	YES	YES
9.36	519.4246	0.1788	0	0.4211	0.4202	0.2094	0.25	72.57			
3.42	520.3378	2.7662	2.7766	2.2734	1.7739	1.3225	2.18	29.05			YES
8.33	520.3421	87.0676	99.2613	105.2175	124.0234	133.0445	109.72	17.00		YES	YES
9.62	520.3816	3.8414	2.5443	0	2.5645	4.3563	2.66	63.35			
3.20	521.2606	43.2737	46.4217	36.8935	31.4229	24.4777	36.50	24.31			YES
5.11	521.3362	6.226	6.884	6.4572	6.2525	5.9624	6.36	5.40	YES	YES	YES
8.84	522.3588	99.6735	91.2869	67.167	65.5902	64.3248	77.61	21.41			YES
9.63	522.6101	0.9295	0.9327	1.1285	1.7499	2.2151	1.39	40.98			
3.99	523.2746	6.4691	6.4142	5.9209	5.7716	5.7468	6.06	5.79	YES	YES	YES
8.29	524.3458	3.955	4.3601	4.8474	5.2828	5.4113	4.77	12.89	YES	YES	YES
9.40	524.3727	197.1833	190.5826	149.0801	121.4575	138.829	159.43	20.73			YES
3.43	525.2886	61.6776	61.1102	55.271	45.0116	37.4654	52.11	20.30			YES
8.39	525.3533	22.1206	23.9293	27.3983	25.7385	27.659	25.37	9.27	YES	YES	YES
8.31	526.3377	10.9932	13.3739	14.0111	12.2443	14.1116	12.95	10.20	YES	YES	YES
9.77	532.0275	3.5982	4.188	3.1759	7.9635	7.3706	5.26	42.54			
9.05	532.3446	7.7098	7.2182	6.2337	0	6.6676	5.57	56.79			
5.85	533.3340	11.7871	12.9929	13.8384	5.8378	8.0668	10.50	32.52			
8.68	534.3072	2.8875	0	3.3367	4.3577	1.9265	2.50	65.93			
6.39	534.3244	5.5386	10.8941	0	5.8991	4.7009	5.41	71.70			
3.21	535.2407	1.4426	1.4683	0.4092	0.9273	0.3568	0.92	58.28			
5.66	535.3473	7.8519	0	6.0228	5.5926	7.2167	5.34	58.42			
5.39	535.3500	17.2914	8.5045	8.017	8.3586	8.0418	10.04	40.40			
3.21	537.2400	2.2903	2.3196	1.779	1.5121	1.1131	1.80	28.63			YES
4.59	537.3292	1.551	1.7744	1.4892	1.376	1.3954	1.52	10.57	YES	YES	YES

9.61	538.3962	18.7508	19.608	16.3321	10.0968	11.3732	15.23	28.24			YES
10.26	538.4212	0.7582	0.8494	0.8705	0.8602	0.73	0.81	7.95	YES	YES	YES
2.92	539.2715	3.8659	3.5767	0	1.5032	0.7512	1.94	88.39			
3.43	539.2736	4.6685	4.226	3.9369	3.2546	2.957	3.81	18.39		YES	YES
3.42	541.2679	5.6376	5.6645	5.0521	3.6816	2.9551	4.60	26.55			YES
8.84	541.3376	1.3309	1.2198	1.0447	0.8465	0	0.89	59.59			
5.94	541.3987	3.2099	3.3919	3.399	2.8177	2.7007	3.10	10.51	YES	YES	YES
9.63	542.0313	1.5856	1.9657	2.8885	3.0649	3.2506	2.55	28.69			YES
8.34	542.3262	40.4661	44.6632	50.0958	73.0769	67.6699	55.19	26.09			YES
9.63	542.3696	1.404	0	3.02	4.692	3.9198	2.61	72.99			
3.35	543.3046	11.2461	10.7533	8.3797	6.6927	5.1114	8.44	31.00			
8.83	544.3423	54.9271	48.974	41.5616	39.7379	33.893	43.82	18.76		YES	YES
8.30	544.3430	36.4321	37.7056	31.754	33.9578	39.8405	35.94	8.80	YES	YES	YES
4.01	545.2879	6.6345	7.0631	7.3507	6.9885	6.8106	6.97	3.88	YES	YES	YES
8.65	546.3540	0	8.1985	2.3331	8.4161	8.8807	5.57	73.79			
9.40	546.3567	87.821	92.0521	81.2052	74.9652	79.7282	83.15	8.15	YES	YES	YES
9.75	546.7032	2.5893	2.9502	4.5689	4.967	5.3807	4.09	30.47			
4.52	547.2965	2.3327	2.7019	2.6722	1.6386	1.9064	2.25	20.86			YES
3.55	547.3364	16.0809	16.2742	11.4591	9.2685	7.194	12.06	33.63			
6.09	547.3504	19.9941	19.8383	21.3521	24.1102	26.1973	22.30	12.43	YES	YES	YES
5.65	549.3594	14.0286	14.07	14.3226	13.2607	13.3419	13.80	3.43	YES	YES	YES
9.50	550.3942	8.7709	8.464	6.6613	5.8656	1.9073	6.33	43.52			
4.89	551.3476	2.595	2.6098	2.4357	2.1393	2.4409	2.44	7.74	YES	YES	YES
9.85	551.3776	0	7.7836	11.4705	11.5714	13.6123	8.89	60.70			
9.57	551.4195	0	0.8471	1.2664	1.8105	2.0023	1.19	67.81			
8.67	552.2707	2.2836	0	2.8911	3.7732	3.9694	2.58	61.80			
8.52	553.3649	5.5146	6.1419	6.8809	7.7414	6.0631	6.47	13.32	YES	YES	YES
8.57	554.3668	27.2452	29.6408	31.3712	35.5193	34.1383	31.58	10.58	YES	YES	YES
3.53	555.3041	1.1594	1.5536	1.0142	0	0.7239	0.89	65.21			
8.03	556.2480	1.0818	1.4644	1.4338	1.9082	1.9463	1.57	23.10			YES
9.62	556.7077	1.7893	1.691	2.4824	2.8509	2.9847	2.36	25.25			YES
9.63	557.0368	1.45	1.5789	1.9614	2.3725	2.053	1.88	19.77		YES	YES
10.44	557.4463	0.8513	1.2989	1.5482	1.6329	1.663	1.40	24.15			YES
8.67	558.2607	3.8601	6.5885	5.3345	7.3618	7.3722	6.10	24.65			YES
8.34	558.3018	1.7102	1.8534	2.5359	2.8427	3.1236	2.41	25.48			YES
8.83	560.3227	2.265	1.8158	1.7765	1.3984	1.4522	1.74	19.94		YES	YES
3.34	560.3318	1.9233	1.9497	1.3705	1.2103	0.808	1.45	33.55			
9.62	560.3762	3.9775	4.1486	2.2418	0	1.7671	2.43	70.55			
8.48	561.3244	0.6395	0.2159	0.2352	0.334	0.6037	0.41	49.93			
5.82	561.3634	10.0508	9.1306	8.3719	8.1737	7.544	8.65	11.14	YES	YES	YES
9.73	561.3760	0	6.2074	9.317	9.3902	8.3253	6.65	59.15			
4.54	561.9725	1.5036	1.7306	1.5954	1.2969	0.6147	1.35	32.59			
9.40	562.3422	2.8698	3.1709	0	3.2706	3.6266	2.59	56.87			
5.93	563.3790	103.185	97.4026	88.4689	83.1868	76.8162	89.81	11.82	YES	YES	YES
3.55	564.3657	5.4104	5.3887	4.4302	3.3955	2.6263	4.25	28.92			YES
3.35	565.2853	50.3152	51.0254	45.164	38.5531	30.8664	43.18	19.70		YES	YES
5.17	565.3614	4.3215	4.7033	3.9119	4.2631	3.6206	4.16	9.93	YES	YES	YES
9.85	566.0486	3.7648	4.3124	5.8864	7.7985	7.3551	5.82	30.68			
8.30	566.3281	15.7412	17.1381	13.3384	14.4301	22.635	16.66	21.81			YES
9.84	566.3877	5.5691	4.5324	6.7643	8.3748	8.1376	6.68	24.67			YES
0.57	566.8963	0.9782	0.8698	1.6153	2.231	2.5021	1.64	44.46			

4.09	567.3010	10.3064	9.3659	9.6948	9.7624	9.7368	9.77	3.46	YES	YES	YES
8.78	568.3714	0	6.1356	8.8521	7.7969	3.184	5.19	69.46			
3.55	569.3164	63.7424	62.637	49.771	39.3348	30.9523	49.29	29.10			YES
9.07	570.3610	1.7092	1.7597	1.3525	0	1.3867	1.24	57.83			
9.95	570.7243	6.175	6.9301	9.974	12.8809	12.3325	9.66	31.58			
9.97	571.0596	5.9689	6.488	9.9782	11.8061	11.0933	9.07	29.54			YES
5.73	572.3106	2.4123	3.2394	0.756	0	0.6299	1.41	96.48			
9.48	572.3803	2.6937	3.5197	2.1684	2.1737	1.5035	2.41	31.08			
0.58	572.8571	0.375	0.4475	0.3535	0.2251	0.119	0.30	43.05			
4.08	574.2823	2.5961	2.2885	0.5689	0.7761	0.5011	1.35	75.15			
9.71	576.0548	2.4449	3.0502	3.8218	4.2203	4.325	3.57	22.53			YES
8.35	576.2913	1.3011	1.5896	1.4022	2.1376	2.1582	1.72	23.64			YES
8.56	576.3867	6.264	6.9882	8.2037	9.5562	9.6756	8.14	18.65		YES	YES
5.79	577.3586	1.6756	9.6442	8.8693	8.8266	8.568	7.52	43.77			
8.84	578.2842	1.6581	1.7405	1.5194	1.8378	1.4726	1.65	9.21	YES	YES	YES
10.02	578.4275	1.0699	0.8128	0.4372	0.9065	1.1059	0.87	30.94			
3.35	579.2689	1.694	1.5469	1.0968	0.2694	0.772	1.08	53.94			
5.43	579.3764	6.6693	6.3535	6.1874	6.3455	5.9225	6.30	4.32	YES	YES	YES
9.39	580.3062	1.1433	1.2768	1.6598	1.4427	1.2259	1.35	15.19		YES	YES
8.70	580.3269	1.6518	0	1.9333	2.3974	2.7726	1.75	61.05			
10.43	580.4418	0.8336	0.9328	1.6994	1.4975	1.694	1.33	31.45			
9.83	580.7262	3.7307	4.1736	5.8715	6.6882	6.7788	5.45	26.06			YES
3.35	581.2603	3.1053	3.1007	2.5821	2.1918	1.5315	2.50	26.56			YES
4.65	581.3586	1.2156	1.0469	0.7237	1.0501	0.6652	0.94	25.04			YES
8.34	582.2641	6.1148	6.5718	7.2084	9.5631	10.7257	8.04	24.95			YES
8.30	582.3073	0.26	0.6259	0.671	0.5493	0.3978	0.50	33.94			
8.72	582.3893	4.3475	4.6756	5.4548	5.8884	5.8049	5.23	13.17	YES	YES	YES
3.55	583.3003	3.449	3.3874	2.606	2.2591	1.8616	2.71	25.67			YES
3.02	583.3012	0.9793	1.1186	0.7323	0.3854	0.279	0.70	52.11			
8.78	583.3953	29.6123	29.1981	36.1056	40.2215	39.6975	34.97	15.22		YES	YES
8.84	584.2858	4.6739	6.3067	4.1122	5.0846	5.4499	5.13	16.13		YES	YES
8.17	584.3154	0.4398	0.5502	0.553	0.831	0.4048	0.56	30.11			
3.55	585.2934	6.0969	5.7423	4.261	3.3073	2.5109	4.38	35.08			
9.94	585.4005	6.0381	6.9192	10.3587	10.6034	11.1443	9.01	26.09			YES
9.39	586.2984	2.8255	1.9511	2.7101	3.46	0	2.19	61.03			
3.48	587.3309	13.0118	12.2428	9.0226	7.788	5.4685	9.51	32.96			
8.82	588.2815	0.8846	0	2.3561	2.514	2.9048	1.73	71.27			
4.14	589.3125	10.4866	10.3976	10.4165	10.5878	10.7033	10.52	1.21	YES	YES	YES
10.05	590.0716	3.1276	8.9618	13.4544	14.8995	13.4551	10.78	44.77			
8.28	590.3445	1.5955	1.7777	1.6098	1.9129	2.4039	1.86	17.79		YES	YES
10.05	590.4050	9.2492	10.0743	14.1706	17.1706	15.2313	13.18	25.79			YES
9.72	591.0665	2.0145	2.0944	0.7679	3.4675	2.9584	2.26	45.65			
8.68	591.3239	0.1399	0.5831	0.4468	0.6862	0.3885	0.45	46.39			
3.66	591.3626	15.9679	14.7657	11.5552	8.8383	6.9674	11.62	32.83			
6.22	591.3769	11.2994	10.8734	12.852	13.3842	13.7057	12.42	10.20	YES	YES	YES
6.01	593.3912	7.8157	5.8895	1.3719	3.0975	4.69	4.57	54.33			
5.69	593.3921	7.9098	7.686	8.6547	8.3773	8.3599	8.20	4.77	YES	YES	YES
8.73	594.3853	6.821	7.0588	7.6525	7.1556	9.118	7.56	12.19	YES	YES	YES
4.93	595.3707	1.8327	1.9903	1.5944	0.9603	0	1.28	63.80			
9.82	595.4019	5.1753	6.8846	10.0556	7.2605	0	5.88	63.36			
4.13	596.3010	2.7019	2.8644	2.2053	1.0253	0.7254	1.90	51.25			

8.61	596.3642	1.9593	1.9948	1.951	1.9402	1.9392	1.96	1.16	YES	YES	YES
8.98	597.3933	7.4993	7.6704	10.0409	10.2537	12.3106	9.55	20.99			YES
9.09	598.4291	0.9879	1.367	1.2379	1.933	2.2268	1.55	33.07			
3.63	599.3291	1.1097	1.2931	1.0671	0.8328	0.6281	0.99	26.24			YES
6.28	599.4409	3.7274	3.5676	3.106	2.7089	2.7994	3.18	14.25	YES	YES	YES
10.12	599.4501	0	3.8496	11.1942	0.2797	13.6198	5.79	108.63			
8.67	599.4522	4.8688	5.2593	5.8909	5.4484	4.5319	5.20	10.08	YES	YES	YES
9.91	599.4538	0.1337	1.4629	0.4157	0.7288	0	0.55	106.33			
9.92	600.4129	5.2681	6.5236	8.2407	10.4766	9.5564	8.01	26.66			YES
10.43	601.4571	0.8622	0	1.5321	2.1753	2.1732	1.35	68.89			
3.47	604.3592	3.2843	3.3578	2.4382	2.0747	1.5313	2.54	30.95			
10.03	604.7403	5.9236	0.6878	9.6269	10.5062	9.5874	7.27	56.13			
10.04	605.0822	5.8871	6.6221	9.6621	10.5301	9.0863	8.36	23.98			YES
6.45	605.3886	17.7434	17.8726	18.4974	22.5851	22.4631	19.83	12.48	YES	YES	YES
8.30	606.2723	2.0603	2.4785	1.7437	2.5101	1.4093	2.04	23.24			YES
6.30	606.3483	31.5949	26.0669	13.3179	9.1765	3.8608	16.80	69.30			
10.47	606.4589	0.6665	0.6363	0.3902	0	1.7776	0.69	95.35			
6.67	607.4050	3.546	3.2044	0	2.0302	5.1017	2.78	68.45			
5.97	607.4099	11.9348	12.8874	13.3386	12.6513	6.7312	11.51	23.62			YES
10.13	607.4170	7.3125	7.4198	0	3.4979	4.3033	4.51	68.15			
9.39	608.3612	1.178	1.4734	1.8116	2.3795	2.3069	1.83	28.42			YES
3.66	608.3884	8.1939	7.9079	6.2224	5.0323	3.5152	6.17	31.84			
3.47	609.3122	48.5875	48.4922	42.7744	35.5762	27.7667	40.64	22.03			YES
5.22	609.3899	2.3652	2.6351	2.2585	2.1906	2.3163	2.35	7.25	YES	YES	YES
10.13	609.4196	9.7355	11.6072	17.6918	18.3485	18.4003	15.16	27.43			YES
8.63	610.3790	4.312	4.7252	2.9651	3.4797	4.2761	3.95	18.03		YES	YES
9.57	610.5855	0.8197	0.9266	1.3567	1.6537	1.4413	1.24	28.53			YES
4.19	611.3266	13.1721	12.2218	12.7055	13.0793	11.5078	12.54	5.47	YES	YES	YES
8.91	611.4107	6.1827	6.7463	7.4496	9.5559	10.1213	8.01	21.71			YES
8.96	612.4173	37.633	36.8954	43.0062	48.4154	48.9577	42.98	13.31	YES	YES	YES
3.66	613.3419	56.3639	55.0909	49.2167	36.4506	28.9405	45.21	26.62			YES
9.91	614.7488	4.6515	5.0614	7.0219	7.8682	8.1166	6.54	24.44			YES
9.92	615.0832	4.3589	5.1276	7.2527	8.4066	7.971	6.62	26.96			YES
10.27	615.4377	8.569	9.7772	10.126	8.295	9.3602	9.23	8.45	YES	YES	YES
10.42	615.4460	0.82	1.8922	0	2.7573	1.8452	1.46	72.98			
5.43	616.1858	7.9589	2.2203	12.4802	1.0147	3.2984	5.39	88.14			
8.73	616.3698	3.2863	3.4267	4.2362	4.0176	5.3133	4.06	19.89		YES	YES
6.27	616.4665	3.1934	3.0106	2.562	2.5156	2.1618	2.69	15.36		YES	YES
4.19	618.3152	2.567	2.2869	1.2853	1.7266	0.6625	1.71	44.89			
8.61	618.3544	1.0589	0.8508	0.8917	1.1736	0.6042	0.92	23.72			YES
9.38	619.3684	0.1217	0.8957	1.0674	0.6978	0.6844	0.69	51.38			
6.19	619.4027	9.4286	8.7434	7.7599	7.9403	6.4076	8.06	14.12	YES	YES	YES
10.02	619.4205	17.1573	8.8196	13.1101	13.3185	12.7802	13.04	22.66			YES
9.57	619.5045	0.4677	0.0745	1.143	0	0.8809	0.51	96.92			
6.29	621.4206	89.0609	86.1393	78.8235	73.4426	73.5781	80.21	8.93	YES	YES	YES
9.40	622.4189	10.5416	9.0087	0	10.7515	21.6049	10.38	73.96			
3.47	623.2922	1.5451	1.477	1.0091	0.9817	0.5731	1.12	35.77			
5.45	623.4016	3.907	4.2308	4.1397	4.2848	4.143	4.14	3.49	YES	YES	YES
8.35	623.4495	0.9618	1.3249	1.2831	1.3571	1.7031	1.33	19.87		YES	YES
10.13	624.0934	5.8797	6.5519	9.8798	11.312	11.2878	8.98	28.97			YES
10.13	624.4289	7.7657	7.4962	12.6311	13.1896	12.3172	10.68	26.24			YES

9.80	625.0877	2.8294	0	3.9769	5.1556	4.2135	3.24	61.49			
3.47	625.2882	3.0618	3.0686	2.8347	2.0382	1.6465	2.53	25.68			YES
9.14	626.4171	6.9334	5.9784	10.8969	10.9525	10.5519	9.06	26.57			YES
10.23	627.0950	0.8114	1.2172	1.4979	2.1189	2.0834	1.55	36.41			
3.66	627.3248	0	2.1645	1.6979	1.5699	1.4571	1.38	59.22			
9.38	627.4800	1.954	2.1351	1.5649	0.7793	0.6605	1.42	47.35			
9.57	627.5181	0.2844	0.2855	0.5734	0.9064	0.8366	0.58	50.99			
6.27	628.3282	4.1651	3.6783	2.0216	0	0.3986	2.05	91.32			
10.22	628.7678	10.0807	11.2702	16.4625	20.0065	19.724	15.51	29.96			YES
10.23	629.1015	9.8517	12.0408	17.0193	21.8633	20.6483	16.28	32.22			
3.66	629.3208	5.5555	5.4491	4.4726	2.8835	2.4636	4.16	34.41			
9.58	630.6315	9.2232	1.1345	13.4873	1.9105	14.6255	8.08	78.24			
3.59	631.3585	12.215	11.138	8.4058	6.4637	4.9922	8.64	35.25			
9.57	631.6281	5.7783	2.4499	8.6974	5.1104	9.9305	6.39	46.53			
8.63	632.3615	2.4776	2.2066	1.7082	2.2303	3.0155	2.33	20.42			YES
4.22	633.3350	12.034	13.0208	12.2587	13.0421	10.9802	12.27	6.92	YES	YES	YES
9.81	633.4458	6.1042	8.5382	8.2706	8.0983	7.4408	7.69	12.67	YES	YES	YES
8.96	634.4286	12.3341	8.0477	12.4525	13.9595	17.7823	12.92	27.11			YES
10.01	634.4298	0	13.278	13.3846	11.4493	12.9842	10.22	56.42			
0.58	634.8824	0.5773	0.4944	0.9855	1.2958	1.5771	0.99	46.86			
3.75	635.3892	13.4641	12.2571	9.8357	7.1406	5.5419	9.65	34.59			
6.15	635.4017	3.1238	8.5076	10.1338	7.8602	2.4543	6.42	53.32			
5.72	637.4207	6.6268	6.1966	6.6873	5.8535	6.0647	6.29	5.74	YES	YES	YES
9.31	638.4129	6.9362	7.4598	8.134	9.276	8.8621	8.13	11.86	YES	YES	YES
9.78	638.6309	2.0801	2.3194	2.6195	2.9313	1.3929	2.27	25.77			YES
10.11	638.7700	5.6039	6.5529	9.4327	10.9531	11.1777	8.74	29.12			YES
10.12	639.1057	5.4868	6.553	9.4637	11.7845	10.8781	8.83	30.84			
4.22	640.3229	2.471	1.9677	1.9829	1.7488	1.3074	1.90	22.25			YES
9.06	640.4310	6.5236	6.8362	7.9976	9.5628	9.9996	8.18	19.13		YES	YES
9.59	640.5981	0.8736	1.1765	1.4547	1.521	1.6799	1.34	23.75			YES
9.13	641.4382	37.6763	40.274	49.4815	56.3404	55.2649	47.81	17.83		YES	YES
8.87	642.3881	0.8713	1.1359	2.0342	2.0128	4.9064	2.19	73.15			
8.56	642.4259	0	2.5087	3.0344	3.7738	3.6951	2.60	59.32			
10.20	643.4438	10.6059	8.2636	16.4741	16.2771	16.1305	13.55	28.41			YES
8.91	644.4021	1.2779	1.3329	1.95	1.2033	1.8102	1.51	22.46			YES
9.41	644.4054	1.9139	1.8914	2.7283	4.4456	4.9255	3.18	44.78			
9.07	646.4145	2.1858	2.6112	2.9612	2.6755	3.6806	2.82	19.62		YES	YES
10.35	647.4983	2.5297	2.7939	3.0133	2.6722	3.4183	2.89	12.01	YES	YES	YES
3.59	648.3858	4.4391	4.3959	3.5551	2.9867	2.1489	3.51	27.72			YES
8.73	648.4007	3.6406	3.1314	3.7841	5.2597	6.1517	4.39	28.73			YES
10.28	648.4514	12.2851	13.1943	21.8112	26.3731	25.7779	19.89	34.01			
10.00	649.1063	2.0653	5.5752	8.785	10.0323	8.8055	7.05	45.95			
6.60	649.4197	11.1625	9.6438	11.2219	3.9526	14.8526	10.17	39.02			
9.10	649.4301	0	7.68	6.5234	4.3236	2.1966	4.14	75.49			
9.67	649.4348	0	6.0593	1.1607	8.1473	6.1706	4.31	81.86			
8.36	650.2515	1.6757	1.9722	2.3952	2.9597	3.5578	2.51	30.18			
9.18	650.4460	22.5715	18.3241	18.3461	14.9052	21.4697	19.12	15.78		YES	YES
6.01	651.4361	0	3.5173	2.7917	7.872	3.6666	3.57	79.08			
8.84	652.2709	2.0988	1.9218	2.5925	3.0115	2.7243	2.47	18.23		YES	YES
3.75	652.4148	9.8363	9.336	7.9947	5.9436	4.8721	7.60	28.20			YES
3.60	653.3391	39.1237	38.784	36.3996	29.8907	22.9709	33.43	20.71			YES

5.25	653.4152	1.6876	1.5239	1.4006	1.7966	1.9142	1.66	12.38	YES	YES	YES
10.10	653.4469	0	12.3491	11.587	10.6457	18.7428	10.66	63.37			
10.10	653.7808	4.668	5.8199	0	11.087	10.7875	6.47	71.43			
9.38	654.2935	1.4096	1.3597	2.1417	2.4356	2.8592	2.04	31.92			
4.26	655.3516	12.0812	12.532	12.6487	13.1218	11.7583	12.43	4.24	YES	YES	YES
9.28	655.4365	4.6159	0	8.7972	12.9157	10.4492	7.36	69.38			
8.93	656.4428	6.1787	6.5338	8.4772	12.3375	10.806	8.87	30.17			
3.75	657.3692	52.5886	48.2477	41.2945	30.5959	24.8871	39.52	29.50			YES
6.62	657.4852	2.7574	2.9734	2.4508	2.8447	2.4009	2.69	9.30	YES	YES	YES
10.19	658.4581	6.2716	7.1436	12.5547	12.1569	15.1847	10.66	35.69			
9.88	659.1128	1.8582	2.5292	1.4288	4.0213	1.8165	2.33	43.96			
9.32	660.3994	2.5705	3.1423	3.3664	3.5873	4.2344	3.38	18.03		YES	YES
4.27	662.3400	2.3392	1.8793	1.1506	0	0.99	1.27	70.55			
10.29	662.7912	6.9549	7.2878	10.7996	12.7	12.3661	10.02	27.40			YES
10.29	663.1258	7.4048	8.3326	10.9998	13.945	12.8754	10.71	26.33			YES
6.80	663.4347	16.2885	16.5072	16.7484	19.4568	22.1449	18.23	13.92	YES	YES	YES
9.11	663.4501	0	14.5688	22.6735	17.5539	21.292	15.22	59.68			
6.33	665.4504	11.4848	12.3437	12.516	13.7371	12.8467	12.59	6.49	YES	YES	YES
9.10	666.4427	8.1073	7.4153	6.7952	7.1593	9.0362	7.70	11.51	YES	YES	YES
3.59	667.3177	0.9861	0.8783	0.8119	0.6343	0.5667	0.78	22.32			YES
5.49	667.4286	2.7132	2.6337	2.2051	2.3859	2.3068	2.45	8.84	YES	YES	YES
10.39	667.4618	13.9302	14.2742	18.311	21.5263	20.5688	17.72	19.79		YES	YES
10.36	667.7960	14.0402	15.2482	19.6156	26.4415	22.2731	19.52	26.09			YES
10.07	668.4572	11.0191	5.1177	0	11.314	9.8888	7.47	65.11			
9.79	668.6463	1.723	1.6548	1.4702	2.196	3.2469	2.06	34.81			
3.59	669.3197	2.7248	2.543	2.4039	1.4331	1.5698	2.13	27.70			YES
9.23	669.4502	6.2829	6.8774	9.3631	9.9577	10.9867	8.69	23.30			YES
9.27	670.4577	40.5718	44.2123	56.3539	64.7944	61.626	53.51	19.93		YES	YES
3.34	671.3510	4.8587	4.4156	3.4309	0	0.1846	2.58	90.31			
3.75	671.3534	0	1.4572	1.4424	1.1934	0.9681	1.01	59.33			
10.17	672.7976	5.0706	5.1268	10.127	9.1073	9.554	7.80	31.93			
10.19	673.1284	2.0909	6.2288	8.6401	12.3293	9.9166	7.84	49.70			
3.75	673.3463	5.022	4.9291	3.8849	2.4117	2.1976	3.69	36.39			
10.42	673.5025	0.9834	0.6084	1.45	1.4582	1.5685	1.21	33.49			
8.30	674.2517	0.6965	0.8884	0.9188	0.6435	1.1289	0.86	22.65			YES
9.68	674.4514	12.5209	12.6158	11.8185	12.3028	14.5421	12.76	8.17	YES	YES	YES
6.62	674.5075	4.6453	4.5907	4.1717	4.3607	3.7374	4.30	8.55	YES	YES	YES
3.69	675.3849	10.978	10.2387	7.6119	5.6121	4.5169	7.79	36.10			
10.26	675.7148	0.0958	0.1334	0.2108	0.9616	0.7245	0.43	92.36			
4.31	677.3674	12.6026	12.2588	12.4506	12.4224	11.2445	12.20	4.47	YES	YES	YES
6.53	677.4481	8.3378	8.0616	6.687	7.4561	6.8889	7.49	9.57	YES	YES	YES
9.27	677.4556	5.0721	5.7262	7.1632	5.7497	0	4.74	58.17			
10.27	677.4615	10.9981	7.9031	10.9304	11.3033	13.3131	10.89	17.77		YES	YES
9.27	678.4473	3.6059	6.4657	11.3915	10.6645	11.5935	8.74	40.60			
8.93	678.4566	1.6083	6.0349	0	8.5096	8.1329	4.86	79.48			
9.98	678.4604	4.6278	2.7305	8.6211	6.2687	8.7976	6.21	41.94			
9.66	678.4718	24.9226	23.7767	19.2322	6.0543	21.3453	19.07	39.86			
3.85	679.4150	7.3129	6.945	6.4403	4.7659	3.8571	5.86	25.34			YES
6.62	679.4645	73.0763	75.1121	66.0931	65.5365	64.9913	68.96	6.90	YES	YES	YES
5.77	681.4495	3.1584	3.2715	3.062	3.0877	3.2801	3.17	3.19	YES	YES	YES
10.35	682.1363	8.4371	8.6068	12.3751	14.1849	13.3051	11.38	23.62			YES

10.36	682.4712	9.1881	10.3918	14.9377	15.3217	16.7994	13.33	24.99			YES
4.31	684.3513	1.8811	1.5865	1.2381	0	0.7609	1.09	67.69			
10.44	685.1348	0.6741	0.9033	0.6557	0.8051	1.7809	0.96	48.54			
9.08	685.4683	9.6223	11.1163	11.342	12.4394	13.7495	11.65	13.24	YES	YES	YES
10.43	687.1420	10.8208	12.6762	13.3487	16.8348	23.8317	15.50	33.16			
3.69	692.4104	5.5282	5.193	4.569	3.6213	2.6876	4.32	26.99			YES
9.26	692.4686	15.9465	21.1081	26.5972	23.2259	26.2504	22.63	19.29		YES	YES
10.26	692.4750	7.0257	7.5573	9.6752	10.744	11.5121	9.30	21.04			YES
6.35	693.4440	2.6761	2.9984	2.0422	0.4568	0	1.63	81.90			
9.65	694.4752	8.6278	9.91	8.8029	8.4137	9.1106	8.97	6.49	YES	YES	YES
6.05	695.4634	6.4509	5.6247	4.6108	5.3944	6.0005	5.62	12.29	YES	YES	YES
3.85	696.4440	7.3973	7.0405	7.1208	5.6183	4.4398	6.32	19.92		YES	YES
10.33	696.8153	6.8123	8.1207	0	5.0484	12.8935	6.57	71.31			
10.34	697.1465	8.0358	8.8882	12.3561	14.0709	12.8875	11.25	23.43			YES
3.69	697.3650	35.0188	34.3684	32.3315	27.5146	22.7285	30.39	17.10		YES	YES
9.35	698.4706	5.7761	8.4342	7.7162	10.9065	13.6804	9.30	32.89			
4.35	699.3801	10.7926	10.755	11.2937	11.3865	10.1942	10.88	4.41	YES	YES	YES
9.40	699.4815	37.4086	43.7059	62.259	79.7748	75.6799	59.77	31.50			
3.85	701.3955	29.9135	31.0065	29.1745	22.8694	19.3895	26.47	19.16		YES	YES
10.43	701.4850	5.9352	7.0478	9.3018	11.7807	12.742	9.36	31.32			
10.43	701.8184	6.9853	10.0935	11.6582	12.8174	13.9362	11.10	24.37			YES
0.57	702.8676	0.5732	0.5452	0.9906	1.2489	1.5986	0.99	45.37			
9.69	703.5114	2.4289	1.4094	2.2422	1.3193	1.5587	1.79	28.36			YES
9.53	706.4715	11.0301	8.7394	8.3609	9.6207	0.4816	7.65	54.07			
10.24	707.1526	5.9397	6.1204	8.6983	10.7015	10.4574	8.38	27.24			YES
6.95	707.4616	10.3439	9.9814	13.1101	13.1795	11.8029	11.68	12.82	YES	YES	YES
6.68	709.4723	1.225	1.649	0	4.895	1.6931	1.89	95.78			
6.35	709.4769	2.0956	7.4722	7.3894	7.3498	7.6515	6.39	37.62			
5.53	711.4476	1.4288	1.2015	1.1858	1.2766	1.0349	1.23	11.71	YES	YES	YES
10.32	711.4879	7.1081	6.9626	10.0884	11.252	10.9602	9.27	22.52			YES
10.33	711.8229	8.3679	7.1427	10.1228	11.5175	12.4533	9.92	22.05			YES
3.69	713.3400	2.2974	2.2043	2.289	1.8385	1.2844	1.98	21.84			YES
9.24	714.4843	0	10.7169	15.3762	16.1858	14.7916	11.41	58.88			
3.41	715.3777	3.6349	3.8469	3.6991	3.1174	2.584	3.38	15.44		YES	YES
6.96	715.5294	2.6707	2.7854	2.5445	2.179	2.0744	2.45	12.65	YES	YES	YES
10.40	716.4980	7.0514	7.7502	10.5442	11.9327	11.2785	9.71	22.45			YES
3.85	717.3753	3.3508	3.1644	2.7904	1.9964	1.7945	2.62	26.52			YES
3.79	719.4136	7.2987	6.5102	5.9562	4.5797	3.7786	5.62	25.45			YES
3.66	720.5179	0.4414	0.6708	0.4132	0.5436	0.1849	0.45	39.87			
4.38	721.3915	8.8294	8.7403	9.7105	8.8548	8.4036	8.91	5.43	YES	YES	YES
7.14	721.4780	16.0408	14.7972	15.5371	19.5822	19.5464	17.10	13.40	YES	YES	YES
9.40	721.4947	15.0191	16.3005	24.063	35.9347	31.298	24.52	37.28			
3.91	723.4449	4.5244	3.8309	2.947	2.184	1.7557	3.05	37.47			
6.66	723.4917	10.2802	11.468	10.5865	10.7957	12.0515	11.04	6.48	YES	YES	YES
5.80	725.4762	2.0744	2.4401	2.3611	2.3051	2.1899	2.27	6.34	YES	YES	YES
9.53	726.0246	2.2108	2.9269	3.5324	3.929	4.7405	3.47	27.77			YES
10.32	726.4990	4.8044	5.7301	8.7349	10.0721	11.0722	8.08	33.66			
9.52	726.5126	2.1908	3.5895	3.6354	5.5862	4.2029	3.84	31.90			
9.50	727.4976	4.9904	7.0935	8.1723	8.5675	8.4207	7.45	20.01			YES
9.53	728.5000	51.2071	54.7625	75.0662	90.3025	93.4772	72.96	26.81			YES
9.08	729.4865	3.8526	0	5.2832	5.867	6.3635	4.27	60.08			

10.40	731.1706	6.193	5.5413	7.4874	8.4402	8.752	7.28	19.13		YES	YES
9.70	732.4929	7.5667	9.1097	8.575	8.7073	12.3042	9.25	19.43		YES	YES
6.97	732.5531	6.7547	6.4974	5.7631	5.7138	4.9956	5.94	11.74	YES	YES	YES
9.55	734.5077	4.4891	4.525	5.6261	5.328	6.8411	5.36	17.99		YES	YES
9.26	735.4461	0	0.638	1.027	0.7728	0.7851	0.64	59.98			
6.87	735.4875	8.191	7.9192	6.7049	6.3293	6.659	7.16	11.66	YES	YES	YES
3.79	736.4392	5.7701	5.6072	4.9272	3.9598	3.084	4.67	24.36			YES
9.24	736.4955	7.5457	8.5193	10.9295	11.4026	10.511	9.78	17.01		YES	YES
6.95	737.5072	72.4023	69.6924	61.5237	63.0514	58.4055	65.02	8.97	YES	YES	YES
6.08	739.4885	2.807	2.6238	2.9418	3.147	2.9506	2.89	6.69	YES	YES	YES
3.91	740.4643	6.8907	5.9485	4.7488	3.1737	2.7582	4.70	37.52			
10.30	741.1780	3.8394	4.1671	6.6855	7.6784	8.2748	6.13	33.04			
3.79	741.3916	28.3685	29.0307	27.5402	24.4158	19.8455	25.84	14.66	YES	YES	YES
4.41	743.4073	6.6888	7.4298	7.3078	6.7864	6.6825	6.98	5.17	YES	YES	YES
9.36	743.5097	10.2959	10.5828	16.0745	17.0741	15.1389	13.83	22.95			YES
3.91	745.4245	19.6788	20.3783	14.4011	11.4018	9.7122	15.11	31.73			
10.39	745.5169	4.7187	4.4317	5.779	8.3804	7.2974	6.12	27.61			YES
10.37	745.8482	0	2.8777	6.9535	6.9541	7.4041	4.84	67.60			
9.53	750.5162	21.1855	25.7655	33.6315	39.6688	43.4432	32.74	28.39			YES
10.45	750.5183	4.1485	3.8529	0.7863	6.3115	7.6335	4.55	57.59			
6.69	751.4880	2.5745	2.011	0.4515	1.4121	0	1.29	82.71			
6.39	753.5014	4.8889	4.3734	4.3224	4.7283	4.6759	4.60	5.26	YES	YES	YES
9.66	755.0458	4.2903	5.6712	7.3032	8.271	9.0018	6.91	27.83			YES
9.65	755.5384	5.3343	6.5274	8.2651	8.7939	10.0088	7.79	23.84			YES
10.40	756.5642	22.6616	28.5498	25.4474	29.1037	27.6368	26.68	9.91	YES	YES	YES
3.79	757.3685	2.1164	2.3148	1.9966	1.5674	1.2001	1.84	24.47			YES
9.65	757.5228	61.4211	73.5701	100.0509	116.1841	116.9807	93.64	26.88			YES
3.53	759.4078	4.0267	4.0893	3.9764	3.3429	3.2691	3.74	10.69	YES	YES	YES
3.91	761.4005	2.4774	2.5588	1.5586	1.0896	0.724	1.68	48.72			
8.68	762.9887	0.9098	0.6766	1.2516	0.9053	1.0543	0.96	22.09			YES
3.87	763.4414	5.2165	5.0704	3.5081	2.5605	2.0417	3.68	39.06			
3.76	764.5375	0.8329	0.8054	0.4877	0.1676	0	0.46	81.29			
10.45	765.1968	3.4688	4.1918	4.5103	4.3669	7.1167	4.73	29.44			YES
4.47	765.4248	3.7852	5.2143	5.3426	5.0303	4.6122	4.80	13.12	YES	YES	YES
7.25	765.5026	10.3367	10.8931	13.1191	9.409	13.8544	11.52	16.38		YES	YES
9.38	765.5194	12.04	0.575	10.553	11.3983	12.7888	9.47	53.22			
4.00	767.4684	3.0107	2.811	1.1636	1.0467	0.8019	1.77	59.71			
6.68	767.5190	0	5.6597	6.7812	7.3057	6.7768	5.30	57.04			
5.82	769.4983	1.3066	1.1192	0.9582	1.1753	0.9643	1.10	13.36	YES	YES	YES
9.55	769.5793	0.6545	1.7282	2.2532	2.1352	2.0961	1.77	36.97			
10.23	770.5375	7.5024	7.6247	1.4554	7.4975	9.7512	6.77	46.11			
9.56	770.5574	2.2026	2.7228	3.2313	4.3545	3.9867	3.30	26.79			YES
9.52	772.5308	18.9538	18.2069	24.0756	26.107	31.6547	23.80	23.19			YES
10.45	772.5562	19.7323	22.9994	17.9099	16.7533	37.825	23.04	37.29			
9.99	772.5621	0	16.1113	16.4857	12.016	18.5486	12.63	58.96			
7.30	773.5750	2.402	1.864	0.3211	1.992	0	1.32	82.01			
9.55	778.5828	0.3476	1.1804	1.1516	1.635	1.2893	1.12	42.21			
7.45	779.5204	10.1172	10.681	14.4133	14.2089	15.1028	12.90	17.98		YES	YES
9.62	779.5408	28.517	31.9569	43.899	54.2832	53.2558	42.38	27.99			YES
10.44	779.5441	2.2421	3.4699	1.2803	3.6144	6.0386	3.33	53.78			
3.87	780.4669	5.0164	4.8837	3.9198	3.6099	2.7595	4.04	23.18			YES

6.99	781.5349	10.5597	9.8261	10.4148	11.1985	10.663	10.53	4.69	YES	YES	YES
10.45	782.5788	2.7051	1.369	0.9089	0	1.5873	1.31	75.18			
6.11	783.5182	0.732	1.72	1.7744	1.0262	1.4791	1.35	33.64			
9.76	784.0715	6.8254	8.5002	10.5976	13.1245	13.3944	10.49	27.29			YES
4.00	784.4911	6.3251	5.7702	4.3498	3.1493	2.7028	4.46	35.48			
9.76	784.5687	7.0424	8.5399	10.8113	13.7155	12.3505	10.49	25.95			YES
3.87	785.4205	19.5164	19.9589	17.6711	16.3648	14.3936	17.58	13.05	YES	YES	YES
9.76	786.5438	68.3316	76.8277	101.6485	118.738	124.5726	98.02	25.39			YES
4.50	787.4312	4.1329	4.7026	4.6943	4.1325	0.7533	3.68	45.13			
10.17	788.5515	144.9487	141.3272	92.6276	31.2116	77.8069	97.58	48.55			
4.00	789.4516	15.6234	16.3264	11.6053	7.9073	6.8325	11.66	37.11			
10.03	790.5708	70.0107	31.573	54.7841	46.245	60.4439	52.61	27.74			YES
7.27	790.5983	7.4205	7.1055	7.5377	6.6805	6.4663	7.04	6.57	YES	YES	YES
7.20	793.5317	6.671	6.4458	5.877	6.1266	5.8197	6.19	5.91	YES	YES	YES
9.78	794.5399	0	4.6839	3.9875	6.9538	5.8727	4.30	61.81			
9.50	794.5415	16.1694	14.6782	13.8206	14.9078	15.6594	15.05	6.03	YES	YES	YES
10.45	794.5454	7.0169	7.6258	1.6041	5.3231	2.5551	4.83	55.25			
7.29	795.5499	62.0391	57.2937	54.1697	51.9584	49.8208	55.06	8.69	YES	YES	YES
10.41	796.5615	3.7475	23.6722	14.877	11.1535	14.61	13.61	52.87			
10.30	796.5629	11.3759	12.2275	8.7681	6.3675	7.5082	9.25	27.01			YES
6.42	797.5297	2.1065	2.6781	2.3074	2.7986	0.6121	2.10	41.77			
9.63	799.0701	2.4608	3.2211	3.9483	4.8425	5.1472	3.92	28.42			YES

TOTAL NUMBER OF IONS

1039

TOTAL NUMBER OF IONS THAT PASS

205 302 538

Percentage of ions that pass

19.73% 29.07% 51.78%