

Dried Urine Spot (DUS) QC Positive Data: Ion intensities/Sample Name

Ret. Time	Mass	DUSQC1	DUSQC2	DUSQC3	DUSQC4	DUSQC5	AVERAGE	CV	CV<15%	CV<20%	CV<30%
0.82	100.0778	2.133	2.228	0.6091	2.8099	3.7223	2.30	49.44			
7.42	101.0605	5.1712	2.5075	5.7532	3.6046	0	3.41	67.36			
9.51	101.0607	10.31	12.5566	7.2983	14.6636	13.7808	11.72	25.29			YES
9.26	101.0610	14.0286	13.0479	9.5386	16.7764	18.7774	14.43	24.59			YES
8.87	101.0611	3.7674	2.3608	14.668	10.5202	15.5422	9.37	64.91			
8.21	101.0624	4.3598	2.6607	4.9273	4.0021	2.2275	3.64	31.54			
9.79	101.0636	7.8888	8.8121	0	11.1436	10.0183	7.57	58.21			
3.85	102.0567	3.9413	4.3903	3.6224	5.3881	4.739	4.42	15.63		YES	YES
8.20	102.0679	10.0214	3.3559	12.101	3.8574	10.0692	7.88	50.69			
8.62	102.0685	3.7283	15.1739	39.1362	8.6564	52.6318	23.87	88.22			
1.56	103.0554	7.0758	9.0852	5.9999	7.9616	5.0484	7.03	22.57			YES
6.18	103.0555	9.4215	10.2401	5.7843	10.0039	8.2185	8.73	20.89			YES
9.76	103.0762	4.9561	5.5539	4.0829	5.0131	2.4905	4.42	27.16			YES
2.15	104.0628	2.1978	2.1491	1.3368	1.1771	1.3173	1.64	30.27			
3.51	104.0639	3.2398	3.5854	1.8695	2.9803	2.0887	2.75	26.96			YES
3.66	105.0297	87.6345	57.1401	92.3865	134.8913	112.9558	97.00	30.00			
6.87	105.0343	3.9023	4.0888	0	3.0364	2.517	2.71	60.69			
8.29	105.0348	5.2343	5.4037	10.6923	4.7721	0	5.22	72.58			
9.71	105.0350	3.7786	4.6025	3.6192	7.5811	6.8367	5.28	34.37			
8.41	105.0355	7.4513	5.8804	4.66	5.7267	4.5807	5.66	20.58			YES
6.66	105.0359	2.172	2.8399	0	3.0258	1.5761	1.92	63.36			
2.85	106.0303	3.3027	2.9937	2.7001	2.3397	1.6935	2.61	23.87			YES
2.15	107.0500	3.6807	2.2868	2.4556	1.9133	0	2.07	64.44			
6.29	107.0513	2.5735	2.3256	0	1.4178	1.5584	1.58	64.01			
0.98	108.0457	2.5373	3.0045	2.4116	3.1883	3.007	2.83	11.86	YES	YES	YES
6.66	109.1023	2.3095	2.7049	2.8767	2.7179	0	2.12	56.76			
1.30	110.0359	11.4436	13.207	11.3418	7.2136	12.5488	11.15	20.94			YES
2.15	110.0724	2.2935	2.4474	1.6513	1.8011	0	1.64	59.44			
2.92	111.0464	0	1.8965	3.3115	4.495	3.3185	2.60	66.14			
0.82	112.0509	3.4337	4.0532	2.9682	3.8067	3.8116	3.61	11.73	YES	YES	YES
1.51	112.0509	4.4988	4.6296	3.4405	3.4883	3.7826	3.97	14.16	YES	YES	YES
0.60	112.8981	3.1019	4.8525	5.0783	9.9336	8.8624	6.37	45.50			
0.62	114.0648	38.8125	46.752	41.4552	49.2564	50.6325	45.38	11.18	YES	YES	YES
1.00	114.0672	10.078	8.8519	10.0263	9.4536	8.701	9.42	6.80	YES	YES	YES
2.92	114.0915	7.8815	8.7632	7.5695	8.3572	9.3128	8.38	8.28	YES	YES	YES
7.61	114.1276	4.6238	5.9752	4.4349	4.1805	2.8068	4.40	25.69			YES
1.14	116.0198	1.3286	1.4211	1.0469	1.4913	0.7024	1.20	27.09			YES
6.81	117.0917	7.557	3.1699	7.1374	5.4389	10.1598	6.69	38.78			
9.40	117.0917	11.0518	7.9515	9.8142	13.707	14.1243	11.33	23.04			YES
7.55	117.0920	9.739	4.8246	11.7758	7.6285	10.7794	8.95	30.97			
8.18	117.0921	7.3166	2.0237	6.4601	2.9065	10.219	5.79	57.91			
9.13	117.0922	12.8078	14.0761	14.7145	14.3453	18.6018	14.91	14.66	YES	YES	YES
8.67	117.0933	7.8436	3.5998	15.2692	0.4607	16.2459	8.68	80.35			
4.75	118.0660	2.3001	3.4543	2.3319	3.9645	2.1766	2.85	28.50			YES
2.78	118.0665	9.7151	10.9817	6.5862	8.0351	7.306	8.52	21.10			YES
0.66	118.0911	1.8775	2.3203	2.8483	0	0.9213	1.59	71.38			
0.86	119.0486	7.3617	8.4395	6.808	9.0261	9.4518	8.22	13.53	YES	YES	YES
2.26	120.0448	12.7655	13.3516	9.9631	11.9516	8.152	11.24	19.12		YES	YES
4.41	120.0457	2.0082	2.4352	1.9345	1.901	1.4206	1.94	18.61		YES	YES

5.36	120.0605	2.6207	3.3886	1.8908	2.858	1.8345	2.52	26.22				YES
1.56	120.0791	67.9841	81.3673	58.0623	70.2676	51.4969	65.84	17.51		YES		YES
2.56	121.0292	12.7659	8.3811	12.4608	8.0078	16.7297	11.67	30.80				
2.10	121.0292	8.9193	23.4904	21.9627	22.5884	17.1418	18.82	32.18				
0.82	121.0430	6.4222	7.4067	6.088	8.396	7.0665	7.08	12.75	YES	YES		YES
1.02	122.0253	3.3974	3.606	0	4.8472	3.5156	3.07	59.06				
0.56	122.9254	0.4278	0.2573	1.3739	4.5621	7.0683	2.74	108.70				
0.87	123.0459	7.8042	8.5934	7.4971	9.3372	10.4375	8.73	13.64	YES	YES		YES
2.85	124.0414	5.4619	5.9653	4.4357	4.9177	3.3208	4.82	21.08				YES
2.58	124.0507	18.5106	11.8785	16.5964	23.2776	16.6938	17.39	23.60				YES
1.08	124.0522	7.2983	6.1013	11.1201	10.2093	14.957	9.94	34.99				
0.81	124.0580	4.4728	3.4286	0	4.3524	6.2898	3.71	62.50				
8.21	124.0819	6.4527	6.6325	18.7171	0	8.7322	8.11	83.57				
8.62	124.0821	2.7913	4.4497	61.5976	2.6898	33.2044	20.95	124.90				
6.51	125.0964	7.6908	8.328	6.6147	6.4095	2.9066	6.39	32.86				
2.27	125.1074	9.3737	11.1186	9.1133	12.613	9.8005	10.40	14.00	YES	YES		YES
0.81	126.0745	5.0003	5.9856	0	8.2645	7.4857	5.35	60.75				
2.26	126.0911	22.6747	29.2513	22.5616	27.9716	22.0142	24.89	13.79	YES	YES		YES
4.41	129.0657	2.1412	2.4521	0	1.8928	1.4646	1.59	60.34				
4.64	129.0661	2.2038	2.9574	1.9956	1.6047	1.0689	1.97	35.75				
6.50	129.0663	7.0908	7.4651	3.8591	5.3555	4.1282	5.58	29.66				YES
3.84	129.0665	25.948	29.3366	25.3497	37.4599	35.3261	30.68	17.86		YES		YES
4.05	129.0674	2.5515	2.5584	1.9426	1.5747	0	1.73	60.95				
5.30	129.0682	2.4266	2.3734	2.1367	1.5402	1.0654	1.91	30.81				
3.83	130.0465	190.6207	229.7115	205.6808	285.2694	280.2083	238.30	18.02		YES		YES
4.06	130.0505	14.8779	16.8507	0	14.2302	11.5354	11.50	58.30				
1.84	130.0512	4.6668	1.826	3.6451	0	0.5382	2.14	93.36				
7.00	130.0525	3.7028	3.7899	4.0351	4.0533	0	3.12	56.11				
4.66	130.0529	10.6576	10.9367	16.839	6.2847	6.8612	10.32	40.91				
5.26	130.0546	9.4624	10.8213	13.4049	10.5809	0	8.85	58.23				
6.50	130.0562	37.1727	45.9103	27.8572	33.4311	31.3252	35.14	19.65		YES		YES
4.42	130.0640	14.0343	15.0689	10.8407	11.8076	10.4256	12.44	16.32		YES		YES
1.14	130.0642	2.9076	3.6384	6.6811	2.0948	5.9407	4.25	46.42				
6.18	131.0487	29.8069	35.0704	18.2002	32.7463	27.655	28.70	22.69				YES
1.57	131.0510	2.7397	0	2.063	2.3859	1.3938	1.72	62.92				
8.65	131.0727	3.2233	1.7129	8.4547	0	9.5737	4.59	91.72				
2.52	132.0441	11.4017	14.0986	0	8.6901	6.3487	8.11	66.39				
2.71	132.0442	9.9229	11.4446	0	9.1671	6.567	7.42	60.76				
2.78	132.0824	4.7138	3.8887	0	1.9169	3.0222	2.71	67.77				
1.02	132.1023	2.045	2.8145	1.8463	2.2425	1.4579	2.08	24.13				YES
4.32	133.0861	5.3849	4.8015	0	4.051	5.8491	4.02	58.35				
8.21	133.0869	31.4074	2.4485	23.7567	5.3824	21.1347	16.83	73.81				
8.63	133.0869	25.9007	46.9392	122.8627	4.0277	115.1852	62.98	84.83				
3.89	133.0885	3.8304	3.8066	3.7332	3.7521	3.8021	3.78	1.07	YES	YES		YES
5.02	133.0887	2.9144	3.7002	0	4.2059	3.2211	2.81	58.56				
3.60	134.0615	3.1219	4.4193	13.4601	0.5163	13.1575	6.94	86.33				
4.53	135.0443	7.0835	8.842	5.6136	6.4211	4.9748	6.59	22.65				YES
4.75	135.0454	2.3934	3.2003	0	2.2503	1.533	1.88	64.20				
2.85	135.0551	16.2855	16.1482	13.3335	12.9896	8.6419	13.48	23.06				YES
3.50	135.0693	4.8346	5.3672	2.8988	4.048	3.1673	4.06	25.97				YES
0.62	136.0491	9.6747	12.5201	18.0433	18.4251	16.2053	14.97	25.20				YES

1.29	136.0609	2.4041	2.2862	0	1.8793	3.2621	1.97	61.49			
2.73	136.0617	0	3.9796	3.3333	4.7675	3.1829	3.05	59.54			
3.33	136.0635	3.3028	3.636	3.0787	2.6335	1.983	2.93	21.91			YES
0.90	136.0638	17.8231	20.3702	18.1712	20.4703	22.7021	19.91	9.95	YES	YES	YES
3.84	136.0761	38.7251	49.1795	40.8576	57.2027	55.8569	48.36	17.43		YES	YES
0.81	137.0462	16.3182	18.5586	23.4134	34.6772	34.29	25.45	33.93			
1.66	137.0474	6.9407	6.004	5.5898	6.581	2.4295	5.51	32.64			
6.34	137.0591	5.2621	5.641	4.3396	6.0208	3.1161	4.88	23.89			YES
1.84	137.0809	2.7785	2.3641	2.4211	2.6017	2.6103	2.56	6.48	YES	YES	YES
0.66	138.0553	4.5931	5.5625	6.2376	9.1984	2.5065	5.62	43.53			
3.57	138.0671	6.5859	7.4408	4.6806	6.267	4.6804	5.93	20.56			YES
1.84	138.0680	2.4074	2.5048	2.2767	2.5779	2.2524	2.40	5.87	YES	YES	YES
1.02	139.0511	9.781	10.1172	8.7658	11.6702	9.0149	9.87	11.62	YES	YES	YES
7.30	139.1116	3.6695	3.9444	3.5854	0	2.427	2.73	59.83			
2.38	140.0454	9.2238	12.9679	9.6957	13.8708	10.789	11.31	17.98		YES	YES
3.68	140.1096	2.5218	0	2.135	2.2165	1.7068	1.72	58.42			
0.81	141.0452	1.0752	2.2034	3.8283	7.3679	7.9031	4.48	68.19			
0.63	141.0663	2.2092	2.336	2.5942	5.1392	4.578	3.37	40.91			
7.81	141.1298	4.5748	4.8697	3.8558	4.195	2.9161	4.08	18.52		YES	YES
2.58	142.0615	3.7702	4.5459	3.5569	5.1347	3.3869	4.08	18.10		YES	YES
1.04	142.0864	11.5802	11.3193	10.4788	11.7805	11.3402	11.30	4.39	YES	YES	YES
0.81	142.0876	7.7007	11.4364	12.5048	12.8194	12.8691	11.47	19.04		YES	YES
0.68	142.0879	3.7362	4.8436	0	4.0637	2.2781	2.98	64.00			
6.50	142.1219	3.8092	4.191	1.9863	3.4321	2.9894	3.28	25.91			YES
2.26	143.1186	3.8357	4.3055	3.3023	4.1636	3.4577	3.81	11.38	YES	YES	YES
0.75	143.1201	9.4939	5.6181	13.7994	6.1455	15.6101	10.13	44.17			
3.14	144.0448	6.8386	6.9901	5.0307	6.1646	4.5159	5.91	18.56		YES	YES
4.75	144.0459	1.882	2.6784	0.7352	3.4405	2.6515	2.28	44.93			
2.76	144.0811	13.0098	13.0409	9.477	10.0469	9.147	10.94	17.61		YES	YES
1.45	144.0838	2.3317	1.8918	0	1.419	1.8892	1.51	59.87			
0.63	144.1024	35.2694	41.7854	66.2781	64.464	71.4655	55.85	28.98			YES
4.31	145.0297	1.9639	2.0385	1.3794	1.9109	1.7696	1.81	14.42	YES	YES	YES
1.05	145.0525	2.2377	2.4675	5.4034	5.2034	0	3.06	73.88			
0.85	145.0559	2.0492	1.8578	5.835	3.0585	3.6921	3.30	48.61			
7.36	145.0675	3.0514	3.5341	0	2.6461	1.356	2.12	67.71			
2.77	146.0605	77.4898	84.1382	52.5991	60.2562	51.2428	65.15	22.87			YES
3.36	146.0610	6.3525	7.3765	5.9144	6.8723	5.7669	6.46	10.39	YES	YES	YES
4.61	146.0618	3.3632	1.601	2.4245	3.3927	2.7821	2.71	27.40			YES
8.22	146.0949	8.0008	2.2948	12.5634	5.7444	10.6727	7.86	51.51			
8.63	146.0950	55.532	10.9656	48.5826	6.7114	55.0576	35.37	69.05			
0.87	147.0452	6.3184	8.1637	6.184	7.6393	8.1712	7.30	13.41	YES	YES	YES
4.41	147.0657	3.2505	4.166	1.5167	3.7034	2.2583	2.98	36.25			
4.05	147.0760	2.7362	2.3985	0	3.0187	2.1487	2.06	58.15			
3.85	147.0773	18.1435	22.3076	20.7934	27.2857	26.109	22.93	16.46		YES	YES
6.50	147.0773	9.9542	11.3335	6.1161	8.2554	6.8895	8.51	25.26			YES
5.29	147.0783	2.6664	0	3.5649	3.2598	1.9577	2.29	62.00			
5.35	148.0385	2.1324	2.4405	1.3892	0.8008	0.3644	1.43	61.23			
1.02	148.0414	8.3825	9.0884	7.2158	9.7851	7.4915	8.39	12.81	YES	YES	YES
2.31	148.1139	4.4599	5.1321	6.8347	0	6.2522	4.54	59.53			
9.22	149.0244	16.5077	16.6409	13.9157	16.4341	13.2862	15.36	10.55	YES	YES	YES
6.90	149.0358	3.1741	5.8378	4.3688	4.1123	3.4513	4.19	24.84			YES

0.81	149.0467	6.2114	5.2422	5.8843	6.0206	7.3323	6.14	12.39	YES	YES	YES
9.71	149.0605	21.832	29.2627	19.2229	39.821	36.4551	29.32	30.47			
3.46	149.9790	4.8479	5.6371	3.341	3.858	1.1053	3.76	45.98			
1.08	150.0303	2.1853	2.2516	2.5394	2.6691	4.1204	2.75	28.69			YES
3.31	150.0566	3.3441	3.4306	2.2191	2.7439	2.6363	2.87	17.68		YES	YES
1.39	150.0594	2.4013	2.9744	4.9616	0	4.1671	2.90	65.68			
0.81	150.0788	23.9954	25.4457	25.3748	25.877	30.8152	26.30	9.96	YES	YES	YES
2.84	151.0413	0	4.7341	3.5552	4.5582	2.6111	3.09	62.33			
1.28	151.0626	26.5329	34.7829	24.1506	23.2901	18.7001	25.49	23.22			YES
6.83	151.0769	8.3212	8.426	4.2903	7.3833	5.594	6.80	26.55			YES
0.61	152.0232	3.76	8.5126	9.7047	16.5912	14.4528	10.60	47.78			
0.98	153.0650	82.716	103.8266	107.7022	136.8399	101.3223	106.48	18.32		YES	YES
0.93	154.0528	16.5733	20.6384	20.9624	24.4113	23.6702	21.25	14.54	YES	YES	YES
1.49	154.0603	6.9264	7.9583	7.565	6.518	7.6641	7.33	8.03	YES	YES	YES
4.88	154.1232	6.0681	4.3494	4.0478	3.1089	3.0479	4.12	29.76			YES
6.66	154.1235	16.9431	21.3221	20.4311	20.9005	12.3564	18.39	20.63			YES
1.10	155.0584	0.9122	1.082	8.9525	10.1036	9.1258	6.04	76.56			
8.22	155.0994	8.9229	9.0991	22.8904	9.5013	17.8972	13.66	46.82			
8.64	155.1005	28.0349	12.4747	47.6426	46.2226	64.0974	39.69	50.04			
0.80	157.0759	5.1946	5.5964	12.5405	10.3821	12.7056	9.28	39.52			
1.14	157.0775	4.6867	5.8322	0	4.8936	3.3965	3.76	60.48			
4.42	158.0617	5.2686	5.8986	3.8432	4.0886	3.2408	4.47	24.33			YES
1.14	158.0636	4.1948	5.9361	5.3149	5.3151	4.5753	5.07	13.53	YES	YES	YES
2.38	158.0734	2.7048	3.0737	2.3059	2.8036	2.0056	2.58	16.39		YES	YES
0.82	158.1050	5.8599	3.6126	9.0538	7.667	8.5567	6.95	32.05			
1.09	159.0377	2.1925	4.5538	2.5679	1.3284	0	2.13	78.79			
2.76	159.0940	6.7766	7.3439	4.7956	5.8856	4.4578	5.85	21.17			YES
0.70	160.0686	2.7196	0	3.7192	4.4232	7.6057	3.69	74.67			
1.20	160.0958	5.2266	5.6407	5.0506	6.4441	4.7619	5.42	12.03	YES	YES	YES
0.84	160.1070	10.9285	12.5368	10.1032	12.3152	9.3012	11.04	12.64	YES	YES	YES
0.66	160.1315	1.8304	3.5446	0	3.3134	6.9945	3.14	82.26			
7.62	160.1341	2.1425	2.0994	0.8317	1.5434	1.2379	1.57	35.78			
8.65	161.1227	6.2634	2.8142	7.5614	6.68	7.179	6.10	31.17			
1.09	162.0267	2.2507	2.6154	2.6816	2.3541	3.0342	2.59	11.87	YES	YES	YES
4.75	162.0561	7.6763	10.5626	7.3774	9.8094	6.1695	8.32	21.82			YES
3.14	162.0566	20.9062	24.5603	16.3366	18.7793	13.669	18.85	22.19			YES
3.76	162.0573	3.5989	4.3998	6.992	5.739	0	4.15	64.03			
0.61	162.1137	0	3.2559	4.4635	5.9167	6.2355	3.97	63.45			
5.06	163.0412	3.5117	4.1089	2.4203	2.6765	2.5362	3.05	23.94			YES
1.84	163.0643	4.5094	5.322	4.0482	4.8792	3.8983	4.53	12.97	YES	YES	YES
6.87	163.0771	13.5796	13.7998	0	10.7772	7.9583	9.22	61.57			
8.37	163.0773	19.2255	19.4761	24.6361	15.1811	11.5166	18.01	27.45			YES
6.69	163.0781	10.0588	11.1511	0	9.9322	6.3489	7.50	60.89			
9.93	163.0784	1.717	2.2282	5.6725	4.5707	7.9485	4.43	57.75			
5.68	163.0789	3.459	0	3.2191	2.9232	2.9424	2.51	56.59			
8.16	163.1497	3.5561	5.0989	4.1865	3.8585	3.8499	4.11	14.50	YES	YES	YES
4.53	164.0726	7.6708	2.8775	5.2631	0.8008	5.1488	4.35	59.99			
0.56	164.9235	5.8185	8.3507	7.4969	8.3572	6.8978	7.38	14.49	YES	YES	YES
0.87	165.0566	12.9772	15.4126	12.705	13.1969	16.9374	14.25	12.99	YES	YES	YES
1.14	166.0735	31.6587	43.2292	27.7293	33.0277	19.2702	30.98	28.06			YES
0.82	166.0737	40.1099	38.8771	34.7481	52.4573	49.5081	43.14	17.39		YES	YES

1.30	166.0741	23.8563	32.4893	21.5081	25.1798	19.1284	24.43	20.72				YES
1.57	166.0877	11.1855	11.3636	0	8.0934	6.0681	7.34	63.53				
6.28	167.0177	12.8506	14.1327	7.2062	9.327	8.1198	10.33	29.24				YES
1.08	167.0578	26.0491	27.512	65.7637	45.5807	50.4999	43.08	38.64				
1.28	167.0586	70.1056	82.4403	131.744	92.0331	84.156	92.10	25.53				YES
6.75	167.0755	2.8925	3.4161	2.2057	1.7286	1.5293	2.35	33.65				
8.64	168.1085	25.441	8.1937	28.4371	8.5608	30.0897	20.14	53.97				
3.11	169.0346	8.1564	9.8604	4.5057	0	3.9152	5.29	73.00				
0.80	169.0378	8.7321	10.1754	19.7999	26.1983	36.7383	20.33	57.24				
1.67	169.0737	3.5848	4.4804	3.1614	4.0885	3.4131	3.75	14.22	YES	YES		YES
0.91	169.1344	2.102	0	2.164	3.0999	2.5763	1.99	59.39				
3.42	169.1367	2.3738	2.7376	2.0363	1.7137	0	1.77	59.90				
4.64	170.0471	5.6763	0	5.9797	5.7815	4.3135	4.35	57.91				
6.99	170.0612	55.1887	62.5813	48.1579	57.3257	36.3403	51.92	19.51		YES		YES
6.16	170.0616	110.4106	107.1305	66.4961	55.2313	61.6584	80.19	32.95				
2.76	170.0619	6.7883	7.3262	4.2601	5.2348	3.788	5.48	28.17				YES
2.03	170.0814	1.567	1.8115	2.6099	1.464	0	1.49	63.51				
0.55	170.0947	1.5504	2.4692	0	3.8922	2.28	2.04	69.70				
1.27	171.0903	4.178	5.0588	4.6084	3.8184	3.8232	4.30	12.45	YES	YES		YES
0.88	171.0903	2.4927	6.7271	6.2862	10.1432	8.7408	6.88	42.22				
5.02	171.1040	2.3891	2.4128	1.112	2.1549	1.5728	1.93	29.46				YES
4.88	172.1332	3.9515	3.2995	2.5004	2.5408	2.0696	2.87	26.05				YES
9.32	172.1700	2.6513	3.0154	2.4113	3.6401	2.2697	2.80	19.63		YES		YES
2.19	173.0820	9.5473	9.7479	8.6898	9.2995	6.4055	8.74	15.60		YES		YES
0.93	174.1252	27.94	12.1232	30.792	14.2224	33.2647	23.67	41.38				
3.89	175.0809	8.8347	7.2938	10.2561	10.9344	7.9751	9.06	16.82		YES		YES
1.14	175.0879	5.9893	6.2574	5.2734	6.968	4.9994	5.90	13.35	YES	YES		YES
8.61	175.1010	14.6136	0	7.5322	0.8798	10.7896	6.76	93.16				
8.17	175.1244	8.1	5.7949	10.7308	2.5194	13.6295	8.15	52.72				
2.38	175.1245	7.6308	8.7589	5.5914	6.2344	4.2775	6.50	26.89				YES
6.81	175.1308	3.9228	4.8983	5.085	1.5401	4.3693	3.96	36.06				
9.40	175.1351	18.9194	20.8951	17.7807	27.1082	26.8094	22.30	19.71		YES		YES
9.14	175.1351	22.5411	23.4834	20.6271	23.7181	30.0758	24.09	14.78	YES	YES		YES
9.84	175.1354	3.8149	9.4909	2.735	10.9921	9.5562	7.32	51.36				
9.63	175.1355	0	15.6562	8.1003	20.5183	17.3581	12.33	67.06				
7.54	175.1355	6.8432	6.6009	8.4704	8.285	9.8143	8.00	16.40		YES		YES
8.78	175.1361	25.9454	9.2986	43.9763	9.182	38.0369	25.29	63.37				
5.12	176.0731	5.6962	6.6499	0	5.0879	4.0935	4.31	59.92				
1.75	176.1172	6.1212	6.7077	4.4102	5.2096	1.8016	4.85	39.50				
4.31	177.0877	8.709	7.1759	3.317	5.9719	6.3982	6.31	31.26				
3.89	177.0952	2.1256	2.8385	3.1743	4.1998	0	2.47	63.57				
8.20	177.1139	16.2905	3.047	53.5523	10.9858	40.5982	24.89	85.51				
8.64	177.1148	10.0603	45.8139	145.3031	7.4479	3.3224	42.39	141.52				
5.02	177.1155	2.45	3.3934	0	2.4019	2.9189	2.23	58.73				
2.87	178.1350	4.8081	3.5913	2.9845	3.6113	2.1982	3.44	27.87				YES
3.65	180.0677	17.5047	20.3491	18.2869	24.3088	21.1523	20.32	13.17	YES	YES		YES
1.99	180.0887	108.4146	119.9723	76.5923	86.4147	61.5968	90.60	26.09				YES
0.56	180.8990	6.8622	9.0892	10.2411	13.3659	11.8901	10.29	24.40				YES
2.96	181.0720	5.1	4.4549	5.7927	3.5476	3.8477	4.55	20.13				YES
2.58	181.0729	151.846	176.1705	125.9065	164.9036	123.1288	148.39	15.80		YES		YES
1.83	181.0731	54.6533	70.2764	65.2582	64.1029	52.1164	61.28	12.44	YES	YES		YES

0.80	181.0736	11.0235	15.382	25.5902	25.9702	26.0419	20.80	34.17			
1.45	181.0985	6.411	5.1484	4.9721	6.195	4.3435	5.41	16.04	YES	YES	
8.16	181.1739	3.1953	4.3271	3.4518	3.7283	2.5956	3.46	18.51	YES	YES	
5.43	182.0290	9.6428	9.0912	0	7.1077	6.915	6.55	58.81			
0.63	182.0617	1.5346	2.2667	1.4932	1.6639	0	1.39	60.20			
0.96	182.0720	5.159	11.0616	23.3321	10.4958	9.3787	11.89	57.24			
6.84	182.1555	1.4059	1.6982	0.9192	1.3222	1.0387	1.28	24.17		YES	
5.66	182.1564	5.6793	6.4766	2.8469	5.1028	3.7143	4.76	30.89			
8.02	182.1576	2.2863	2.8261	1.7363	3.0322	0	1.98	61.44			
1.08	183.0533	18.8985	25.7189	29.9959	43.438	40.0502	31.62	32.02			
7.70	183.1052	6.5198	6.7503	3.6464	4.3716	3.4611	4.95	31.87			
6.28	184.0446	5.6388	5.1375	3.3687	3.9235	3.6187	4.34	22.94		YES	
1.03	184.0637	6.731	2.1966	0	2.0597	3.2856	2.85	86.57			
6.83	184.1704	2.2175	2.358	1.1017	1.6699	0.9668	1.66	37.92			
1.13	185.0287	8.771	11.1793	7.8093	11.8829	8.9096	9.71	17.85	YES	YES	
6.28	185.0291	13.0468	11.4829	7.145	8.1399	8.6549	9.69	25.50		YES	
2.04	185.1035	4.2223	3.9854	3.6882	4.141	4.0042	4.01	5.09	YES	YES	YES
1.43	185.1061	3.6266	3.8343	4.8569	0	4.3599	3.34	57.71			
2.27	185.1291	10.0848	12.0842	11.0913	15.3415	12.7768	12.28	16.24	YES	YES	
6.67	186.1502	31.6283	36.0965	33.6282	39.5705	22.7287	32.73	19.33	YES	YES	
3.65	187.0984	6.8477	8.2597	4.3147	5.2779	0	4.94	63.67			
3.37	188.0672	3.0392	3.0825	2.1747	0	1.8764	2.03	61.64			
2.77	188.0721	142.2924	147.4817	87.7628	93.9198	77.1297	109.72	29.82		YES	
1.45	188.0734	3.0668	3.0105	2.195	2.2248	2.0098	2.50	19.90	YES	YES	
0.81	188.1047	2.8221	2.465	1.6092	2.822	2.4877	2.44	20.33		YES	
2.99	188.1670	2.52	3.0154	1.3151	1.4311	0	1.66	70.82			
1.19	189.0411	3.0309	2.8648	1.9573	2.0297	1.0898	2.19	35.68			
3.14	190.0520	22.5872	25.3961	15.6222	17.8323	13.8297	19.05	25.34		YES	
0.80	190.0743	1.1727	0.799	0.7297	1.7949	0.83	1.07	41.53			
0.81	190.1057	1.1774	1.3153	1.3548	2.2603	1.5218	1.53	28.08		YES	
8.65	190.1217	2.9201	5.0277	18.6167	13.8426	12.2292	10.53	61.46			
2.58	191.0261	2.142	2.5814	1.9768	2.9943	2.4126	2.42	16.38	YES	YES	
5.77	191.0733	4.2456	4.2404	2.3338	4.0776	2.8453	3.55	25.26		YES	
5.26	191.0744	4.5496	5.6782	3.6038	4.2954	3.358	4.30	21.25		YES	
2.27	191.1345	2.26	2.5623	2.0436	2.6714	1.9384	2.30	13.86	YES	YES	YES
8.85	193.1613	9.3448	1.5963	11.1991	2.19	9.008	6.67	66.63			
3.57	195.0893	35.8664	40.9089	27.123	32.4889	24.2104	32.12	20.82		YES	
2.40	195.1136	5.8262	6.0309	4.876	6.0408	1.7612	4.91	37.15			
1.11	195.1148	3.1758	2.9042	2.3269	2.5898	2.1082	2.62	16.39	YES	YES	
6.53	196.1711	3.6017	4.2135	2.5239	3.1998	2.0793	3.12	27.13		YES	
0.56	196.8722	6.131	8.904	11.8058	12.7969	15.3398	11.00	32.41			
1.67	197.0682	12.3957	17.4042	13.2044	15.591	9.9858	13.72	20.95		YES	
2.38	197.0684	50.5245	68.099	55.4632	66.492	50.8733	58.29	14.53	YES	YES	YES
7.71	197.0809	2.7117	3.0438	1.9084	0.9871	1.555	2.04	41.13			
6.50	197.0820	5.7461	6.9953	5.9785	5.0474	5.1281	5.78	13.62	YES	YES	YES
5.70	197.0988	5.9479	5.501	4.129	5.3217	3.9488	4.97	17.75		YES	YES
4.10	197.1292	2.5202	3.1947	1.8803	2.5539	0	2.03	60.41			
3.42	197.1309	10.8031	11.3639	8.9106	11.779	7.5659	10.08	17.70		YES	YES
9.62	198.1862	98.8402	107.2223	86.0086	103.722	105.332	100.23	8.51	YES	YES	YES
8.73	198.1883	5.5059	6.1295	4.4082	5.2423	4.9063	5.24	12.32	YES	YES	YES
0.81	199.0863	1.2534	2.201	0	5.8385	6.5828	3.18	91.05			

8.20	199.1263	15.8406	4.6386	2.8005	5.5832	19.3373	9.64	77.06			
8.62	199.1269	2.1378	8.7631	46.3347	6.9378	20.6177	16.96	104.81			
5.66	199.1810	1.8441	1.7595	1.0854	1.7777	1.0607	1.51	26.31			YES
0.81	201.0789	3.2343	3.9245	3.2931	4.7273	3.9226	3.82	15.84	YES		YES
2.74	201.1261	5.9352	2.4608	3.3153	3.5764	2.765	3.61	38.00			
1.13	202.0561	19.6813	22.0099	18.3707	20.9848	20.088	20.23	6.78	YES	YES	YES
6.34	202.0561	5.9349	2.63	3.9247	2.4969	4.0778	3.81	36.43			
2.10	202.0564	3.5255	4.0257	2.4707	2.8958	1.8034	2.94	29.59			YES
4.21	202.1816	7.4401	10.6242	6.5916	8.6077	5.3304	7.72	26.14			YES
7.24	203.0770	4.7175	1.3868	3.5142	0.9207	2.9478	2.70	57.69			
6.56	203.1108	3.5221	3.936	3.4871	3.4659	0	2.88	56.30			
0.77	203.1424	2.9097	3.1723	6.1424	3.4999	3.6815	3.88	33.46			
0.89	204.0712	3.3347	4.6795	3.7391	4.9805	4.1383	4.17	16.07		YES	YES
8.12	204.0896	6.2328	4.9698	4.7634	4.2766	0	4.05	58.68			
7.01	204.0898	4.2972	4.5517	4.4775	0	2.8431	3.23	59.93			
0.66	204.1239	5.5009	6.5871	6.1113	6.5665	5.1309	5.98	10.84	YES	YES	YES
0.81	204.1284	7.6863	9.4742	15.3729	14.8722	13.4121	12.16	28.02			YES
0.60	205.0710	9.6895	10.3642	12.7877	13.924	13.6485	12.08	16.04		YES	YES
2.76	205.0994	13.2206	12.5964	6.8299	5.9388	3.8143	8.48	49.46			
4.80	206.0162	1.8193	3.1388	14.0615	3.2376	11.3232	6.72	82.92			
5.30	206.1575	2.8072	3.1925	3.6635	2.6531	2.2257	2.91	18.77		YES	YES
2.27	207.1131	3.6133	4.9129	4.0353	5.5634	3.8186	4.39	18.74		YES	YES
8.64	207.6420	5.9519	1.3937	8.7903	0.9222	8.6245	5.14	74.10			
2.10	208.1323	1.4469	1.9434	1.2452	1.2212	0.9168	1.35	28.03			YES
1.09	209.0485	3.4928	1.4777	2.3799	3.5824	3.5086	2.89	32.29			
0.78	209.0583	0	1.8173	2.2006	3.3418	3.924	2.26	67.37			
6.67	209.1202	4.5131	3.1861	8.9136	6.017	0	4.53	73.08			
8.56	209.1210	7.6206	9.7884	7.4849	3.3106	5.7705	6.80	35.53			
9.38	209.1213	3.6919	3.145	2.2244	4.1623	4.9031	3.63	27.99			YES
3.16	209.1663	6.4165	7.6662	4.9397	7.3381	4.2916	6.13	24.05			YES
9.52	209.1933	3.8657	5.131	4.0304	3.7465	0	3.35	58.26			
9.60	210.1868	2.8579	3.2736	4.1562	6.0681	7.2057	4.71	39.52			
7.10	210.1872	70.7546	79.8312	91.5192	67.9232	59.5588	73.92	16.53		YES	YES
1.35	211.0787	8.2436	8.711	5.7726	10.7848	6.6325	8.03	24.24			YES
4.82	211.1449	5.7389	7.2686	4.9058	6.3311	4.5032	5.75	19.27		YES	YES
4.59	211.1459	4.0018	1.8887	0	4.8114	2.7329	2.69	69.88			
3.11	212.0766	21.8721	26.2166	11.4013	0	9.6952	13.84	75.14			
8.63	212.1356	9.0858	3.407	12.409	9.2951	7.4356	8.33	39.46			
7.58	212.1636	1.8598	2.2978	1.3657	2.0207	0.9884	1.71	30.78			
8.20	212.1921	4.2816	4.1251	2.0281	2.4755	2.4128	3.06	34.42			
0.56	212.8481	2.588	1.6939	4.4937	7.2703	8.8489	4.98	61.06			
6.70	213.0600	1.163	1.7274	1.2966	1.3971	1.454	1.41	14.93	YES	YES	YES
2.76	213.0707	2.6809	2.5276	1.9239	2.4198	1.3087	2.17	25.77			YES
6.38	213.0970	2.9241	2.763	1.7849	1.5789	1.6979	2.15	29.77			YES
0.82	213.1081	1.8539	1.7476	1.8411	1.9357	1.613	1.80	6.85	YES	YES	YES
5.38	213.1150	4.8858	5.1053	3.4382	3.5575	2.9729	3.99	23.67			YES
0.81	214.0923	2.1588	3.0974	2.3262	2.9893	3.0653	2.73	16.44		YES	YES
8.02	214.1838	3.8762	4.2732	2.4474	3.7151	3.0107	3.46	21.05			YES
9.26	214.2526	1.9651	2.0055	4.2015	4.971	7.6627	4.16	56.85			
0.68	215.0210	2.4879	3.9131	3.8125	6.7707	5.298	4.46	36.61			
0.89	216.0337	6.5632	9.0724	10.2831	15.4563	14.2451	11.12	33.10			

5.34	216.1996	1.4687	2.1702	1.1926	1.7454	1.1939	1.55	26.61				YES
1.01	217.0844	0	5.2242	3.3639	2.0004	3.0628	2.73	70.26				
1.83	217.1055	3.5705	4.55	3.808	6.3467	4.7513	4.61	23.70				YES
0.78	217.1429	12.4568	9.82	13.34	13.6288	16.326	13.11	17.85	YES			YES
9.52	217.1450	4.1829	5.4945	3.8931	7.1587	6.5785	5.46	26.25				YES
9.28	217.1452	4.738	3.5837	7.1885	3.4516	0	3.79	68.47				
9.73	217.1494	3.5171	3.7836	3.3105	5.2895	0	3.18	61.01				
1.09	218.1386	2.9539	3.6498	2.5019	4.2545	0	2.67	61.23				
4.37	218.1537	2.1743	1.642	1.4919	1.5786	0	1.38	59.16				
3.84	219.1137	5.0229	3.2915	5.3324	8.0677	7.1372	5.77	32.47				
8.63	219.1278	7.0615	5.9813	9.9245	7.3527	1.1494	6.29	51.15				
3.85	220.1017	7.1382	8.9376	6.7399	3.6635	10.1875	7.33	33.80				
4.96	220.1084	1.0949	1.4035	0	0.0969	0.5608	0.63	97.02				
1.13	221.0952	2.37	2.4542	1.6452	1.776	0.2538	1.70	51.94				
8.20	221.1397	15.8444	4.0146	18.8986	2.4864	37.3433	15.72	89.40				
8.62	221.1409	7.4133	7.5063	83.2628	18.6329	78.8892	39.14	98.58				
5.75	223.1143	13.0218	12.0063	8.6741	8.8478	8.0004	10.11	22.22				YES
7.30	223.1467	6.9844	6.281	8.2769	5.7894	6.9877	6.86	13.67	YES	YES		YES
1.29	224.0631	1.988	1.8409	1.0236	0.9435	0.6199	1.28	46.60				
5.38	225.0931	1.6153	1.9197	1.3131	1.3026	0.5986	1.35	36.35				
9.00	225.1540	2.0517	2.8662	2.4776	1.1989	0.7656	1.87	46.76				
0.79	226.0860	1.9558	1.5372	1.4322	1.3414	0	1.25	58.97				
4.05	226.1053	2.3992	2.285	1.0997	1.343	1.1475	1.65	38.38				
3.74	226.1099	2.9439	3.5065	1.703	2.3349	1.8543	2.47	30.61				
8.15	226.1821	14.1466	17.3597	14.3092	14.527	13.0656	14.68	10.89	YES	YES		YES
6.80	227.1301	25.3034	2.2024	26.7845	21.9436	15.9608	18.44	54.15				
3.16	227.1769	8.3101	9.3259	6.433	7.624	5.5407	7.45	20.11				YES
6.91	227.2066	2.0835	1.2981	1.1573	1.6226	0	1.23	62.93				
7.10	227.2133	13.8265	17.1553	20.0865	12.5271	11.3976	15.00	23.80				YES
8.79	228.1979	3.3866	3.2566	9.3386	0.0382	2.36	3.68	93.54				
4.89	229.0518	24.6099	32.1051	27.3522	28.7789	20.8325	26.74	15.95		YES		YES
7.26	229.0913	3.006	3.9537	2.0187	3.148	0	2.43	62.68				
1.45	229.0975	10.9652	12.4386	7.6022	9.4775	7.3278	9.56	22.84				YES
3.11	229.1026	19.4395	21.8237	9.2948	0	6.5192	11.42	79.75				
6.67	229.1492	5.846	2.3874	4.8268	5.0952	0	3.63	66.34				
1.04	229.1556	158.0057	135.0297	123.83	128.2384	116.753	132.37	11.93	YES	YES		YES
0.67	229.1564	45.9011	58.8437	51.0531	61.4136	0	43.44	57.68				
0.84	229.1568	56.2278	41.9392	38.7813	53.4626	73.5315	52.79	26.05				YES
8.64	229.6524	6.9353	2.0531	13.4555	5.5384	15.7118	8.74	65.00				
1.41	230.0140	1.5268	0	1.8142	2.3832	1.9785	1.54	59.41				
6.38	230.2125	1.2423	1.7669	2.1456	1.5503	0.8827	1.52	31.88				
9.27	230.2487	3.1847	6.248	3.1692	10.6301	9.5033	6.55	53.03				
2.19	232.1555	24.635	31.3575	22.0281	25.4519	18.4102	24.38	19.57		YES		YES
6.83	232.1857	1.6433	1.9098	1.0188	1.3416	0	1.18	62.59				
1.12	233.0954	5.7527	6.2723	3.9726	2.1937	4.3558	4.51	35.63				
9.40	233.1765	15.6436	16.6737	10.8373	20.1143	17.7881	16.21	21.18				YES
9.64	233.1768	3.2104	13.737	8.8947	16.3149	15.652	11.56	47.55				
8.76	233.1769	2.8953	2.3579	10.2174	7.779	0	4.65	90.44				
9.14	233.1770	16.1615	9.1611	16.2026	15.599	21.2202	15.67	27.39				YES
9.83	233.1777	6.8123	8.2172	4.5724	8.8916	2.6481	6.23	41.68				
8.65	234.1442	2.744	0	3.6616	4.5366	5.4754	3.28	63.87				

3.26	235.1135	3.1355	2.0019	0	2.0201	1.2283	1.68	69.05			
0.81	235.1203	1.8199	2.274	1.7775	2.1889	1.5996	1.93	14.86	YES	YES	YES
9.29	235.1701	6.2788	3.7189	8.5119	0	2.7404	4.25	77.06			
0.68	237.0007	3.0846	3.7788	4.5309	5.962	4.1533	4.30	24.89			YES
5.37	237.0969	2.1276	2.6921	1.9151	2.0932	1.4599	2.06	21.55			YES
9.39	237.1203	2.1206	2.1375	1.6326	3.4729	3.7381	2.62	35.36			
1.00	239.1009	5.5431	5.0615	3.1247	2.9573	0	3.34	65.59			
2.73	239.1477	1.9191	2.486	0	3.5397	2.3033	2.05	63.11			
0.99	240.0915	4.0157	5.9591	6.2528	5.7553	4.9281	5.38	16.88		YES	YES
5.29	240.1263	3.847	5.1103	3.4606	3.4535	2.2605	3.63	28.17			YES
9.13	240.2343	12.9158	14.536	25.5607	28.3943	34.9976	23.28	40.32			
4.42	241.0978	3.2736	3.2626	1.9255	2.6572	1.7113	2.57	28.47			YES
7.30	241.1460	6.8481	8.1153	7.3012	6.0943	4.5885	6.59	20.29			YES
1.11	241.1556	10.6389	14.2521	4.2578	15.5484	6.6672	10.27	46.93			
0.95	241.1567	13.0206	21.2027	34.7384	25.3032	42.7814	27.41	42.39			
1.29	242.0748	2.5841	2.6298	1.4077	2.1074	1.8254	2.11	24.49			YES
9.73	242.2815	3.0887	3.9316	11.9675	8.0866	9.4097	7.30	51.25			
9.57	242.2882	1.4378	2.4076	4.4698	5.1954	9.4095	4.58	67.51			
0.56	242.9287	0.3166	0	0.7386	2.9403	4.5484	1.71	114.75			
6.34	243.0894	2.5065	2.942	2.2885	3.059	2.4039	2.64	12.90	YES	YES	YES
3.75	243.1361	3.6613	4.1185	2.4698	3.2112	1.7488	3.04	31.06			
4.05	243.1367	5.6157	2.7482	2.3501	1.692	2.3662	2.95	51.97			
8.20	243.1516	3.8851	0	13.1709	3.2574	0.8834	4.24	123.75			
8.62	243.1526	8.6655	8.8907	31.1078	16.6059	15.3301	16.12	56.63			
7.81	243.1606	44.5107	50.3892	35.2801	36.1311	30.9951	39.46	19.84		YES	YES
9.30	244.2663	0	1.8983	3.6838	3.5356	6.139	3.05	74.75			
6.66	245.0802	1.668	1.7609	0	3.4175	1.4422	1.66	73.28			
6.17	245.0974	2.5152	2.8644	1.5805	1.1762	0.9319	1.81	46.41			
1.03	245.0985	0	2.8568	2.1345	2.4296	1.8286	1.85	59.55			
0.84	245.1492	3.2444	3.0857	2.9645	3.8869	1.5518	2.95	29.08			YES
4.64	245.1524	3.1262	3.0381	1.837	0.4784	1.0209	1.90	62.25			
3.64	246.1710	15.1252	18.0982	8.6112	12.6977	10.0074	12.91	29.70			YES
1.41	247.0087	0.9626	1.4653	2.146	3.8359	4.0453	2.49	55.81			
3.84	247.1101	15.299	18.4826	14.6367	23.7709	20.5498	18.55	20.38			YES
1.45	247.1129	9.201	9.4978	6.8027	10.1747	7.0231	8.54	17.90		YES	YES
6.83	247.1348	8.7397	8.5853	4.1465	7.5046	5.2795	6.85	29.90			YES
3.84	248.0950	23.258	27.9343	24.3611	35.2831	31.4949	28.47	17.56		YES	YES
0.56	248.8836	1.0983	1.9196	2.7434	4.4351	4.0318	2.85	49.24			
7.21	249.1149	5.2581	6.2439	5.997	5.5651	3.7807	5.37	17.99		YES	YES
9.52	249.2290	1.7613	2.4519	1.1338	2.1265	2.3732	1.97	27.37			YES
6.30	250.1242	5.79	5.1546	3.1344	5.0074	3.4669	4.51	25.48			YES
7.10	250.1768	4.7386	5.9691	7.6978	9.1519	9.2768	7.37	26.98			YES
8.86	250.1794	6.9456	2.6331	12.8022	0	18.675	8.21	92.49			
9.60	250.1816	2.8699	4.3104	1.8799	7.3753	7.7214	4.83	54.42			
9.38	251.0025	3.2847	3.4021	1.6789	4.3047	3.663	3.27	29.74			YES
8.56	251.1359	6.6073	8.3235	5.65	0	5.4578	5.21	59.99			
7.52	251.1510	6.7774	7.0026	8.8617	8.1564	0	6.16	57.58			
5.76	251.1899	2.5504	0.677	6.8538	1.5972	2.1426	2.76	86.51			
8.64	251.6665	5.3687	3.7026	13.2933	7.7983	16.9061	9.41	58.85			
1.93	252.0742	6.4946	0.2958	11.2635	6.7041	11.0832	7.17	62.39			
0.68	252.9738	2.0212	3.0824	2.9376	4.2372	2.7307	3.00	26.71			YES

2.31	253.1026	11.4764	7.4426	14.5044	5.9889	10.2342	9.93	33.83			
7.22	253.1607	5.3186	4.2876	5.4302	3.5522	0	3.72	59.65			
1.45	254.0837	2.5018	2.9329	1.9216	2.7261	1.8323	2.38	20.46			YES
6.50	254.1419	5.7744	5.9988	2.7149	3.769	2.9681	4.25	36.52			
1.11	254.1632	3.3448	3.9274	2.8111	3.5113	2.7914	3.28	14.76	YES	YES	YES
4.69	255.0675	3.6002	3.3492	1.7926	2.5328	1.939	2.64	30.78			
4.06	255.0681	2.1754	2.6189	1.692	3.0014	2.462	2.39	20.55			YES
5.38	255.0797	1.4033	1.7401	0.1245	1.6108	0	0.98	86.46			
8.18	255.1605	17.8331	6.6231	12.1347	4.491	12.7009	10.76	49.22			
8.65	255.2138	8.6987	16.7996	15.0704	20.3509	19.4188	16.07	28.76			YES
9.77	256.3023	2.1265	1.8934	6.1881	0	8.6019	3.76	93.63			
4.64	257.0914	1.2354	2.5186	2.1647	2.8519	1.8764	2.13	29.12			YES
0.99	257.1157	9.7953	12.0613	13.1408	10.8536	8.784	10.93	15.89		YES	YES
5.29	257.1528	8.1952	11.2063	6.7139	6.1743	3.2866	7.12	40.74			
3.43	257.1874	1.6955	2.2976	1.2001	1.0831	0.6525	1.39	45.51			
7.03	257.1921	5.9385	6.5632	3.3193	5.8763	4.7566	5.29	24.19			YES
8.44	257.2288	14.5638	0	9.8268	6.101	10.0684	8.11	67.02			
1.13	259.0769	7.213	7.5406	5.0825	6.6837	4.8551	6.27	19.66		YES	YES
4.12	259.1150	1.5703	1.6999	0	1.4207	1.2888	1.20	57.38			
0.99	261.1014	7.5622	5.8028	5.6479	4.2232	2.8209	5.21	34.27			
8.41	261.1141	10.1673	5.4657	12.6564	6.4654	9.3428	8.82	32.86			
2.76	261.1312	4.1998	4.9617	6.0305	6.1814	5.5089	5.38	15.14		YES	YES
0.89	262.0414	4.1854	5.2107	5.186	7.38	6.5398	5.70	22.06			YES
9.30	262.1462	5.8945	7.3662	5.305	6.0335	4.8576	5.89	16.12		YES	YES
1.14	262.1663	13.7768	11.855	10.9674	12.3843	11.4777	12.09	8.89	YES	YES	YES
6.90	263.1123	4.0479	4.3965	3.2521	2.6515	2.7011	3.41	23.11			YES
4.42	263.1420	2.5622	2.1337	1.3084	0	0.1102	1.22	94.70			
0.56	264.8602	0.5005	1.0206	1.563	3.383	3.4097	1.98	68.37			
4.06	265.1198	3.4971	3.1449	2.3836	3.0986	0	2.42	58.34			
3.85	265.1200	80.117	96.7793	83.6977	123.567	113.0276	99.44	18.78		YES	YES
6.83	265.1462	6.9596	5.4054	4.2426	6.8135	5.0453	5.69	20.53			YES
8.21	265.1672	6.9972	3.2078	16.5154	5.9246	16.5281	9.83	63.64			
8.62	265.1682	8.9069	8.0927	39.4511	7.0951	43.3514	21.38	85.79			
0.78	267.0603	8.0015	9.1556	11.0748	12.9349	13.4343	10.92	21.49			YES
5.97	267.1057	2.1135	2.4872	0	2.3688	1.4405	1.68	60.88			
7.70	267.1255	4.6097	5.2102	2.814	3.5881	2.0475	3.65	35.22			
7.27	267.1321	5.4723	4.8504	4.2371	1.2579	1.8252	3.53	53.18			
4.64	267.1356	1.3391	3.0263	1.9413	0	1.1989	1.50	73.66			
9.60	268.2651	2.111	2.9815	1.1321	5.3004	4.8881	3.28	54.36			
9.79	268.3036	5.2704	7.5854	11.7315	12.3561	20.5212	11.49	50.79			
5.29	269.0893	1.6938	1.9093	1.9146	2.272	1.2534	1.81	20.64			YES
8.68	269.1798	6.3993	5.4291	6.4499	6.3544	5.132	5.95	10.48	YES	YES	YES
3.84	270.0851	2.3015	1.9834	3.6959	5.2558	5.8489	3.82	45.13			
7.10	270.2187	3.0795	3.5814	2.627	1.7527	0	2.21	63.66			
9.80	270.3177	11.399	17.1569	15.3372	32.839	32.9454	21.94	46.57			
8.63	270.8429	5.3224	0.8803	7.3675	1.5991	4.3871	3.91	68.48			
1.01	271.0939	5.0535	5.6395	3.4807	4.221	0	3.68	60.17			
1.45	271.1072	1.7464	2.1904	1.0856	0.725	0.963	1.34	45.22			
3.84	271.1287	6.401	4.4169	9.1073	4.5847	11.2648	7.15	41.56			
5.55	271.1551	6.9506	2.0216	5.6387	2.7586	8.0262	5.08	51.37			
6.49	271.1672	16.3167	14.9861	8.6731	10.1426	7.489	11.52	33.97			

7.19	271.2069	6.4236	6.5946	5.854	6.5385	0	5.08	56.20			
7.50	271.2072	4.5717	2.7988	2.2035	5.6252	0	3.04	71.75			
5.39	272.1891	10.5552	13.0109	8.5204	9.1769	6.4389	9.54	25.60			YES
9.30	272.2600	2.2164	2.8593	2.5383	4.0545	4.1389	3.16	27.96			YES
6.22	273.0671	24.4317	27.5	19.017	19.3459	13.9084	20.84	25.26			YES
5.78	273.1691	15.6213	12.8853	87.2165	29.7713	83.2334	45.75	80.08			
8.64	273.2243	10.1842	13.074	10.0828	13.2963	10.7966	11.49	13.72	YES	YES	YES
3.87	274.0457	0	0.2862	4.547	7.4895	8.208	4.11	94.26			
7.53	274.1474	2.202	4.8185	9.3655	5.5044	0	4.38	80.95			
0.67	274.9601	1.3362	1.7683	1.8435	2.1197	1.9217	1.80	16.10		YES	YES
2.81	275.1112	6.302	9.1254	7.3997	8.1414	5.4879	7.29	19.79		YES	YES
3.54	275.1481	3.1862	2.7262	2.5967	4.9199	3.5356	3.39	27.46			YES
2.15	276.0809	2.6629	2.6606	1.4175	1.6409	0	1.68	65.48			
0.98	276.1465	2.7549	3.2821	8.816	11.8659	11.5906	7.66	57.52			
2.73	276.1819	3.4094	4.044	2.5371	3.0348	1.7799	2.96	29.02			YES
3.86	277.0527	6.7689	10.1715	14.2316	18.364	19.0511	13.72	38.43			
9.30	277.1825	9.7406	10.0878	8.705	9.4873	7.4996	9.10	11.33	YES	YES	YES
6.98	277.1897	1.3197	1.9666	1.2864	0	0.8417	1.08	67.06			
7.01	278.1778	25.977	27.5114	37.0614	20.7898	0	22.27	61.83			
7.55	278.1787	4.7068	4.2347	2.5939	3.1633	2.7051	3.48	27.11			YES
5.29	279.1333	2.9441	4.1566	3.2152	3.1128	1.6903	3.02	29.17			YES
3.33	281.1003	26.7454	27.2743	18.5123	17.6373	12.6346	20.56	30.65			
6.90	281.1193	9.5713	11.089	7.5826	8.0155	6.0028	8.45	23.03			YES
0.81	282.1261	4.0959	4.98	3.7616	5.2754	4.4939	4.52	13.71	YES	YES	YES
8.65	282.1970	5.3528	0.9602	7.936	5.0726	7.5067	5.37	51.62			
9.82	282.3153	3.0912	4.5124	4.1352	7.2686	7.7843	5.36	38.34			
6.50	283.1101	4.8687	5.4733	3.592	6.8401	6.1514	5.39	23.11			YES
3.38	283.1762	4.3296	5.3625	5.254	5.2794	3.398	4.72	18.06		YES	YES
8.64	283.1814	9.439	2.8797	11.7818	1.5914	9.0105	6.94	64.06			
8.42	283.2239	2.9977	1.0911	3.5671	0.9316	0.7032	1.86	71.19			
9.77	283.2639	1.5736	2.6861	0	4.1303	3.9812	2.47	69.98			
0.88	284.0245	3.3944	4.095	3.4842	4.429	0.6392	3.21	46.72			
5.87	284.1879	3.739	3.676	1.8092	2.2626	0	2.30	67.07			
9.87	284.3339	2.5561	3.3009	6.1242	6.5431	4.506	4.61	37.56			
7.03	285.1895	5.5214	5.9038	2.8015	4.8247	3.8787	4.59	27.48			YES
1.08	286.1311	2.5705	2.5826	2.2398	2.4732	2.4967	2.47	5.59	YES	YES	YES
6.80	286.2023	104.1359	7.4669	105.5159	88.1314	61.6595	73.38	55.68			
5.75	287.0765	11.5578	11.4868	7.9558	6.9999	7.9534	9.19	23.54			YES
7.34	287.0996	2.6756	3.0574	2.7816	2.0538	1.6129	2.44	24.17			YES
3.85	287.1031	23.2311	14.6786	40.9199	15.2932	61.382	31.10	64.20			
5.83	287.1487	3.9351	4.2271	0.7142	5.6915	5.741	4.06	50.34			
8.67	287.1765	1.2033	4.6376	1.9093	2.8351	3.92	2.90	48.52			
7.19	288.1678	24.8855	7.9761	19.0576	0	14.6025	13.30	72.71			
7.57	288.2005	7.4395	8.3985	4.1243	5.8354	4.9595	6.15	28.55			YES
7.05	288.2061	0	4.869	7.8254	9.6214	7.2423	5.91	62.86			
9.25	288.2916	24.4165	14.3339	37.9207	64.3478	63.3089	40.87	55.24			
4.40	289.1631	5.5752	2.9943	7.2095	0.3149	6.1091	4.44	62.54			
6.37	290.0859	62.4992	35.563	30.8346	21.947	38.9444	37.96	39.87			
1.66	290.1599	3.5276	1.7164	5.5384	5.1636	0	3.19	73.32			
1.94	290.1606	3.3724	3.4874	3.9724	3.3246	7.8072	4.39	43.84			
8.56	291.1592	0.9575	2.869	0.5498	0.3809	0.212	0.99	109.09			

9.15	291.2192	7.3045	6.6365	9.6106	4.4269	11.386	7.87	34.25		
9.63	291.2193	5.8373	3.8049	5.5085	8.7084	8.4856	6.47	32.33		
9.39	291.2196	7.1174	7.7241	5.0552	11.7261	11.2278	8.57	33.11		
8.65	291.2203	4.5912	6.5512	8.6467	7.6163	9.0903	7.30	24.71	YES	
7.17	292.1927	5.3364	5.0481	3.1211	3.6509	3.0562	4.04	26.70	YES	
1.01	293.0775	1.5985	1.8988	1.2662	1.3504	0	1.22	59.42		
2.15	293.1093	13.163	12.2951	6.2068	7.2676	5.5331	8.89	40.13		
6.50	293.1458	17.5851	17.3234	12.3172	15.7908	12.4788	15.10	16.95	YES	YES
6.37	294.0815	0	4.5768	5.1308	4.4112	6.0295	4.03	58.06		
4.60	294.0824	5.4612	2.944	2.7047	5.4391	4.0431	4.12	31.96		
4.95	294.0849	4.0646	4.8132	2.729	3.3377	2.7685	3.54	25.21	YES	
5.44	294.1756	2.5282	2.1382	0	2.1712	1.894	1.75	57.38		
7.35	295.2069	6.8627	7.6871	3.7853	6.2	5.4061	5.99	24.89	YES	
8.64	295.6951	3.8461	0.9722	7.4324	5.1115	4.9435	4.46	52.61		
9.85	296.3350	12.8357	15.9903	24.2046	35.149	32.1355	24.06	40.47		
1.14	298.1140	2.3862	3.5919	1.7612	2.119	0	1.97	65.89		
9.96	298.3507	10.1124	16.6511	26.5315	28.3772	26.6939	21.67	36.67		
6.90	299.1310	13.7152	12.6826	11.049	10.6728	8.7902	11.38	16.71	YES	YES
8.84	299.2414	4.0422	5.2193	2.7109	3.5743	2.2844	3.57	32.38		
8.64	300.1880	4.9338	4.3568	7.4255	3.6115	9.4189	5.95	40.52		
7.30	300.2179	20.4782	23.3495	20.8761	20.4028	14.5009	19.92	16.38	YES	YES
7.57	300.2182	10.7925	11.3803	0	4.0807	7.4753	6.75	70.70		
6.50	301.1157	2.5559	3.4687	2.2796	3.2484	3.0554	2.92	16.85	YES	YES
7.08	301.1647	5.5615	2.8475	8.3556	9.0908	4.1192	5.99	44.74		
6.99	301.2066	1.6197	1.8172	1.621	2.5059	1.5328	1.82	21.86	YES	
7.36	301.2185	15.555	18.462	11.3088	15.3962	11.8935	14.52	20.25	YES	
3.50	302.0879	4.0571	5.2478	3.1145	5.1682	3.5554	4.23	22.58	YES	
4.75	302.1978	3.379	3.8344	0	3.8204	1.8092	2.57	64.56		
7.81	302.2331	183.3898	176.887	98.3951	127.3352	105.1705	138.24	28.78	YES	
6.42	303.0877	12.5113	14.496	9.8941	11.7314	9.7578	11.68	16.86	YES	YES
4.41	303.1451	1.5147	2.4657	1.8977	1.8988	1.3644	1.83	23.36	YES	
5.28	303.1815	11.2904	1.3283	8.9316	1.8538	10.5622	6.79	71.08		
7.03	303.1971	9.0508	9.3803	4.4832	7.8382	6.6764	7.49	26.58	YES	
5.38	304.0662	110.7125	97.9632	107.692	77.472	0	78.77	58.29		
6.29	304.0669	11.9109	13.6607	6.2982	11.6091	8.2121	10.34	29.01		YES
5.75	304.1018	49.6793	44.4024	35.0928	32.6572	32.5407	38.87	19.94	YES	YES
6.83	304.1046	3.4331	4.1103	0	2.7746	1.999	2.46	64.29		
4.42	304.1321	6.22	5.9512	3.0561	3.3664	2.2652	4.17	43.03		
2.90	304.1797	7.1192	1.9661	6.1129	4.6962	3.5697	4.69	43.41		
5.81	304.2139	19.5731	22.6639	15.8905	16.5994	10.9843	17.14	25.46	YES	
6.02	304.2140	4.3211	4.9319	0	3.5728	2.215	3.01	65.27		
9.30	304.2866	1.1241	1.3123	2.5982	3.006	3.024	2.21	41.86		
9.57	304.3006	2.3457	4.6762	11.3089	9.605	17.2718	9.04	64.75		
3.38	305.1597	6.7402	8.1144	8.9627	6.8221	3.8779	6.90	27.95	YES	
0.55	306.8538	1.2148	1.7526	1.4781	1.0236	0	1.09	61.29		
6.91	308.1152	1.3344	1.8041	1.8815	1.0667	1.0922	1.44	26.95	YES	
7.21	308.1893	7.0078	8.764	8.5268	6.5389	5.0669	7.18	21.15	YES	
1.13	309.0606	7.8546	9.3975	6.8402	8.4465	6.3064	7.77	15.92	YES	YES
8.63	309.1948	10.6649	3.5481	28.2918	13.5675	29.9606	17.21	66.78		
8.20	309.1970	4.9355	1.2038	11.0745	1.7431	0	3.79	117.67		
6.81	309.2297	11.6344	4.1178	15.5843	5.3386	14.5628	10.25	51.34		

8.97	309.2574	5.1751	5.7043	3.8835	6.0739	1.9053	4.55	37.25	YES	YES	YES
7.51	310.2028	27.0541	31.1823	31.9287	27.0882	24.33	28.32	11.20			
7.25	310.2035	38.7298	22.2387	37.7502	15.1326	29.6635	28.70	35.24			
1.99	312.1323	5.2546	5.4737	2.8068	1.9858	1.9979	3.50	49.44			
7.70	312.2181	2.224	3.965	8.1113	2.9883	0	3.46	86.29			
7.98	312.2197	7.5514	5.8868	4.445	4.7386	2.1474	4.95	40.12			
7.19	312.2217	10.4212	11.4226	10.0766	9.8758	6.0656	9.57	21.40			YES
5.74	313.0563	2.0038	1.9974	1.2234	0.8917	1.2956	1.48	33.53			
7.36	313.2173	10.4343	10.8803	11.8425	7.9346	0	8.22	58.59			
8.18	314.2349	44.5817	20.8978	30.9796	13.1247	29.4345	27.80	42.46			
0.71	315.0837	5.3599	6.8253	7.1072	10.1328	8.9085	7.67	24.37			
7.40	315.1794	19.3664	20.3057	32.6055	0	37.2063	21.90	66.08			
5.43	316.0708	2.3917	2.4321	1.2894	1.7886	1.6511	1.91	25.79		YES	YES
8.75	316.2508	4.454	4.435	3.0237	3.7798	2.9416	3.73	19.64			
9.56	316.3240	11.491	6.2072	28.5001	27.5082	44.0536	23.55	63.93			
0.56	316.8739	0.7133	0.8745	1.3338	2.3617	2.0951	1.48	49.47			
6.18	317.1958	5.5198	5.1673	15.9798	6.4829	17.8755	10.21	60.68			
6.39	318.0807	23.0037	26.2964	11.8942	13.4545	14.78	17.89	35.59			
4.11	318.1934	7.4825	9.2835	7.382	8.8348	5.5775	7.71	18.84		YES	YES
3.47	319.1333	6.1054	7.0689	10.0865	13.4297	11.5282	9.64	31.64			
4.97	319.1677	5.554	7.316	6.1688	5.1056	3.2066	5.47	27.66			
4.06	319.1743	3.0723	3.7797	4.2016	0	3.2927	2.87	57.95			YES
7.35	319.2280	5.7316	5.785	4.1501	2.7268	4.2488	4.53	28.14			
5.61	320.0622	4.4306	5.7536	3.1687	4.6577	3.1341	4.23	26.10			
6.35	320.0704	9.0163	7.9495	7.0572	7.4736	4.7262	7.24	21.90			YES
6.30	322.0772	6.2165	4.8245	3.325	4.883	3.7179	4.59	24.70			
0.56	322.8312	2.2911	3.1791	2.7618	2.7819	1.7248	2.55	21.87			
9.42	323.1519	11.7486	3.9092	12.3831	7.0021	10.7504	9.16	39.31			YES
5.82	324.0938	2.9259	3.1686	3.3739	2.9242	1.4711	2.77	27.10			
3.66	325.0639	5.2174	6.872	7.1736	14.2789	13.0004	9.31	43.49			
2.88	326.0389	3.5832	3.371	2.7215	2.3718	2.3728	2.88	19.58		YES	YES
0.92	326.0891	3.4482	5.6653	5.7777	9.4582	8.1913	6.51	36.15			
4.41	326.1138	2.315	2.3189	1.5693	1.9016	1.176	1.86	26.55			
7.70	326.1977	8.9525	9.1277	5.0861	6.707	0	5.97	62.53			YES
8.63	326.2266	2.8796	4.6194	7.9798	0	0.7651	3.25	98.69			
9.84	326.3808	2.5894	5.0101	4.7586	8.9867	9.351	6.14	47.63			
3.66	327.0652	5.1584	6.7245	3.0964	13.9116	12.4119	8.26	56.72			
9.94	327.0826	5.4932	8.4583	10.2919	13.892	15.1405	10.66	37.01			
4.29	327.0902	3.5799	3.5455	2.1759	2.9126	1.4841	2.74	33.05			
3.89	327.2059	4.8363	6.6515	4.6925	6.3697	5.7677	5.66	15.58		YES	YES
8.64	327.2125	7.5128	7.7958	12.6041	0.304	17.1203	9.07	69.35			
6.48	328.2120	6.236	5.432	4.9512	2.9994	3.7252	4.67	27.92			
8.68	328.2527	33.2361	35.4416	30.1413	32.6519	24.7659	31.25	13.07	YES	YES	YES
6.84	329.1952	10.4548	10.4004	12.5267	13.9515	13.2998	12.13	13.45	YES	YES	YES
7.41	329.2111	8.2211	10.8043	11.0433	9.9062	0	7.99	57.59			
9.42	329.2301	3.3095	0	3.7741	6.2139	5.3182	3.72	64.10			
2.60	330.0459	4.4629	3.9709	2.2118	0	0.0596	2.14	98.14			
0.87	330.0622	4.2043	5.0369	3.6519	5.208	4.4908	4.52	13.97	YES	YES	YES
5.74	330.0821	14.6983	13.5053	9.7977	8.0898	10.1092	11.24	24.52			YES
4.42	330.1944	4.7282	4.9831	3.6168	4.5398	2.7837	4.13	22.09			
7.08	330.2270	20.2534	21.6051	23.512	17.4	11.6508	18.88	24.44			

7.36	330.2293	6.7033	2.3155	0	2.3957	5.4986	3.38	79.68				
1.45	331.1276	1.7578	2.0805	1.3114	1.6373	1.2909	1.62	20.41			YES	
6.29	331.1439	6.8664	3.5399	3.4181	7.985	4.8018	5.32	38.22				
6.83	331.2117	15.6611	25.504	93.7561	53.4721	67.2129	51.12	61.83				
7.23	331.2282	15.7184	18.0277	13.3594	16.3475	9.7228	14.64	21.98			YES	
1.45	332.1203	2.5123	3.1988	1.823	0.9656	1.5987	2.02	42.59				
5.02	332.2096	7.3633	10.3472	5.1106	6.8281	5.5267	7.04	29.39			YES	
7.58	332.2440	5.348	3.0403	0	3.1333	3.5895	3.02	63.81				
6.19	332.2477	5.2606	3.9795	0	4.4611	2.7171	3.28	62.56				
9.78	332.3325	1.8226	2.6404	5.6673	4.5073	11.3588	5.20	72.34				
5.43	333.0953	4.1169	2.9587	2.1391	2.7932	2.7289	2.95	24.54			YES	
3.55	333.1190	2.8169	1.9596	0.8183	2.8018	1.7151	2.02	41.27				
6.44	334.0744	1.4184	1.3191	0.8381	0.9014	0.6939	1.03	30.60				
5.60	334.0775	4.0587	4.6191	2.7742	2.8847	2.0384	3.28	31.85				
5.27	334.1116	3.1428	3.8332	1.9442	0.8695	0	1.96	80.51				
6.66	334.1130	1.5026	2.0019	0	1.8539	1.1871	1.31	60.91				
6.28	336.0911	96.3554	103.2396	59.2285	62.5354	50.7512	74.42	31.83				
7.71	336.2168	4.27	4.2397	2.584	3.4649	0.8064	3.07	46.94				
9.71	337.1076	13.4113	19.1926	11.7797	28.824	28.0365	20.25	39.34				
5.03	337.1769	3.1047	3.899	2.0326	2.6919	1.9843	2.74	29.11			YES	
4.19	338.0713	2.4252	2.6602	1.9074	0.9217	0	1.58	70.05				
0.56	338.8053	1.7802	2.5321	2.5027	2.4355	0.7405	2.00	38.44				
2.15	339.1134	45.3012	41.0839	19.2155	18.3909	14.2144	27.64	52.10				
3.57	340.0939	7.1862	8.0621	4.7876	6.3412	3.558	5.99	30.35				
4.51	340.2607	3.0078	3.2553	2.6072	3.0181	2.5744	2.89	10.13	YES	YES	YES	
3.98	341.1828	2.5092	2.9076	2.1521	2.2499	1.5623	2.28	21.73			YES	
6.22	342.2299	14.7461	15.3054	12.0384	9.7413	7.5861	11.88	27.59			YES	
5.43	343.0820	2.592	2.3348	1.505	1.86	2.341	2.13	20.54			YES	
9.13	343.1219	4.555	6.3232	7.3599	8.7557	9.3191	7.26	26.38			YES	
8.78	343.1538	2.9528	1.1723	0	5.6135	1.0247	2.15	102.53				
5.72	344.2109	4.1931	4.6904	4.0054	3.7107	1.8696	3.69	29.24			YES	
6.28	344.2463	13.3851	15.0956	10.3436	7.1698	8.8078	10.96	29.69			YES	
9.77	344.3225	1.3851	1.9548	2.0835	2.7879	2.9964	2.24	29.16			YES	
6.01	345.0936	2.4035	2.6521	1.532	1.6532	1.5056	1.95	27.61			YES	
6.42	345.1140	1.5882	1.8696	1.3037	1.3756	0.8343	1.39	27.44			YES	
6.99	345.1915	6.7864	3.7926	12.3857	6.8562	0	5.96	76.37				
6.19	346.2243	6.4912	6.8309	2.3455	5.235	3.1651	4.81	41.38				
7.98	346.2600	7.6967	4.5678	4.03	4.7988	0	4.22	65.33				
2.60	347.0730	2.8584	2.7664	1.7123	0.2976	0	1.53	87.78				
6.49	347.0889	2.1487	2.0176	1.7173	0	0.8547	1.35	67.26				
4.37	347.1254	2.6067	2.0432	0.7191	1.1754	1.4409	1.60	46.35				
5.72	347.2067	6.8851	4.9951	6.3999	4.7061	0	4.60	59.36				
7.41	347.2239	14.2551	18.281	17.8017	16.6902	12.8327	15.97	14.68	YES	YES	YES	
7.18	347.2249	7.1933	7.936	0	6.967	6.6714	5.75	56.49				
5.97	348.0941	5.581	5.2057	0	4.4336	3.3964	3.72	60.24				
5.74	348.0953	4.5294	4.1321	2.8286	2.6452	2.8437	3.40	25.58			YES	
3.89	349.1857	5.1023	7.1026	4.4018	6.7885	5.8508	5.85	19.32		YES	YES	
9.15	349.2573	2.9793	4.0631	0	4.9225	7.9764	3.99	72.79				
9.69	349.2604	2.4639	2.5	2.8996	5.6438	0.1538	2.73	71.53				
6.82	350.1093	3.689	4.2593	1.7546	3.1083	1.7937	2.92	38.46				
1.45	350.1277	2.1482	2.7316	1.6491	1.6853	0.8843	1.82	37.49				

0.90	353.1308	13.5235	14.1753	10.0797	12.3081	9.2748	11.87	17.96	YES	YES
8.21	353.2220	6.4134	0.2078	10.5831	0	3.1942	4.08	109.73		
8.63	353.2222	16.156	9.8881	21.7724	2.986	23.5067	14.86	57.29		
8.98	355.2653	5.6939	5.9804	3.5441	5.4943	0	4.14	60.51		
8.15	355.2656	9.2764	7.1703	4.0827	4.1648	7.925	6.52	35.52		
6.31	358.2243	2.0571	1.9331	0	1.2311	0.8009	1.20	70.35		
8.38	358.2612	35.6569	38.5968	34.3721	26.5601	2.8188	27.60	52.72		
7.62	359.2052	8.387	7.2353	10.6502	5.6357	10.7756	8.54	25.94	YES	YES
7.97	359.2075	10.7475	7.4687	15.2179	4.9914	16.8206	11.05	45.32		
9.75	359.2429	12.5972	16.4821	11.9553	18.6756	10.8009	14.10	23.61	YES	YES
1.12	360.0770	6.9201	7.0868	4.2272	6.0532	4.6807	5.79	22.34		
6.33	360.0901	4.9523	5.2622	3.2573	3.6038	3.2053	4.06	24.11	YES	YES
9.52	360.3146	1.8087	0	1.698	3.9693	3.9679	2.29	73.96		
5.43	361.0890	4.2115	4.1162	2.7057	3.5406	3.1378	3.54	18.08	YES	YES
5.75	361.1841	1.9605	2.1192	0.9105	1.1928	0.981	1.43	39.54		
7.49	361.2039	3.8936	4.5321	3.5391	3.5078	3.0219	3.70	15.13	YES	YES
6.45	361.2214	9.9179	6.1105	8.0623	2.9434	9.288	7.26	38.80		
3.98	363.1638	7.3209	8.9723	7.2132	7.3507	5.6266	7.30	16.23	YES	YES
6.97	363.2235	2.1102	2.4454	0	0.8155	1.3317	1.34	73.52		
3.51	365.1201	16.3649	18.6478	7.0734	7.4848	4.9496	10.90	56.46		
0.87	365.1767	1.9155	2.0886	1.1542	1.8967	0.9187	1.59	32.72		
7.41	365.2321	8.723	10.3975	9.8086	9.1926	6.6237	8.95	16.15	YES	YES
6.91	365.2355	1.5289	1.762	0	1.0855	1.1639	1.11	61.15		
5.97	366.1022	5.8891	5.5916	0	3.9011	2.8288	3.64	65.61		
6.34	366.1033	9.4627	8.6824	5.6239	7.4265	4.8703	7.21	27.10	YES	YES
5.74	366.1037	14.5461	10.9789	7.2904	6.3049	5.8028	8.98	41.30		
4.89	366.1058	5.299	4.1195	2.6961	2.8225	2.6231	3.51	33.37		
1.45	367.1547	16.5871	16.9469	9.2185	9.7434	7.5537	12.01	36.79		
6.42	367.2703	3.0738	3.2286	2.4782	3.0004	2.3588	2.83	13.62	YES	YES
6.02	367.2723	5.029	5.7528	3.4203	4.8476	2.9983	4.41	26.23		
7.54	367.2730	18.3386	6.0842	19.9909	7.6563	21.3437	14.68	49.26		
5.41	367.2751	3.9798	2.6328	3.8149	3.3494	0	2.76	59.03		
3.66	371.0579	3.8651	5.5007	5.2127	9.8794	9.9996	6.89	41.36		
4.31	371.2296	9.9711	11.1567	7.6486	10.2836	8.2992	9.47	15.34	YES	YES
8.65	371.2331	8.7168	3.6919	0	13.8853	18.8074	9.02	83.94		
9.37	373.1357	9.7777	9.3913	6.1813	11.5325	7.7887	8.93	22.78	YES	YES
8.74	373.1361	6.0254	5.9725	3.798	3.4211	5.1789	4.88	24.88		
8.22	373.2236	14.1146	15.8843	8.845	21.7469	22.2554	16.57	33.78		
8.17	373.2358	14.6715	0.6916	15.2724	0	7.5942	7.65	95.74		
9.15	373.2588	1.9125	3.5054	0	0.575	0.6222	1.32	106.30		
7.30	374.2618	2.2295	2.2628	0	1.9452	1.2681	1.54	61.62		
6.30	375.1072	3.4714	3.2147	1.3434	1.6325	1.4489	2.22	46.46		
7.01	375.2391	10.6362	3.6173	12.552	4.739	12.8256	8.87	49.44		
4.07	377.1415	5.4949	6.5483	2.7664	2.7479	1.6221	3.84	54.27		
4.73	379.0972	3.6906	3.8269	2.6964	0	1.8841	2.42	64.74		
5.41	379.0973	164.1926	141.6504	86.2367	107.0198	97.7712	119.37	27.22	YES	YES
3.98	379.1345	1.7449	1.9203	1.4812	1.1048	0.7677	1.40	33.47		
6.42	379.2114	1.4038	1.7352	1.217	1.1966	1.2091	1.35	17.04	YES	YES
3.87	381.1256	4.3815	4.3512	2.7318	3.2977	0	2.95	60.79		
5.06	382.1030	3.9526	4.6133	2.3983	2.2604	1.799	3.00	40.29		
3.66	383.0835	5.0717	4.3514	6.9738	13.0492	11.465	8.18	47.44		

6.11	383.1179	2.0118	1.6096	1.3826	0.3776	1.0702	1.29	47.65			
3.45	385.0909	4.2845	5.2506	3.4335	3.9227	2.8672	3.95	22.79			YES
4.41	385.2121	2.618	2.6908	1.9718	2.1546	1.5459	2.20	21.57			YES
8.34	385.3140	8.3288	8.8749	5.0743	6.9207	5.9877	7.04	22.48			YES
7.64	387.2398	13.7641	9.6081	12.0035	0.2445	12.6163	9.65	56.71			
9.76	388.3389	3.8478	5.3065	6.194	7.3761	8.3474	6.21	28.25			YES
6.01	389.0836	5.4309	5.1792	3.6818	3.4802	2.8811	4.13	27.00			YES
4.11	389.0849	2.2661	2.7714	1.5494	1.6437	1.167	1.88	33.83			
7.54	389.2525	62.6443	59.2056	79.0724	78.4067	79.1293	71.69	13.82	YES	YES	YES
5.37	392.1165	2.0647	2.0229	1.1384	1.4042	1.0512	1.54	31.34			
4.12	393.1545	2.0548	2.0708	1.7052	0	0.3975	1.25	78.43			
4.31	393.2127	7.0268	7.4723	4.4439	5.3673	4.8419	5.83	23.08			YES
9.37	395.1123	1.8099	1.7797	1.6344	2.9567	3.0595	2.25	31.05			
3.66	397.0730	6.1873	8.6778	8.1325	16.058	15.2532	10.86	41.26			
8.64	397.2500	9.1882	7.9531	14.8011	4.8487	18.9914	11.16	50.82			
7.16	397.2829	2.4465	2.7855	0.9555	2.871	2.7112	2.35	33.89			
6.10	397.2952	1.5522	1.8419	1.2645	1.693	0.5046	1.37	38.59			
6.41	397.2959	1.72	1.7974	0.8189	1.5245	1.2148	1.42	28.41			YES
5.97	399.3119	6.3091	6.4027	2.2118	5.0243	3.7549	4.74	37.54			
7.12	400.2707	3.0989	3.8832	2.8119	2.5833	1.9436	2.86	24.83			YES
9.28	401.2176	12.5589	14.7416	13.5091	19.7608	18.4576	15.81	19.91		YES	YES
8.14	402.2842	2.6931	2.7282	2.129	2.3752	1.97	2.38	14.10	YES	YES	YES
9.10	403.1405	20.9945	21.9385	15.0499	21.2854	14.9186	18.84	18.76		YES	YES
8.34	403.3224	4.5794	4.9883	2.6707	4.3162	2.6264	3.84	28.95			YES
7.55	405.2256	3.9776	1.6268	5.0073	0	5.9175	3.31	73.96			
6.67	405.2474	3.9242	3.3963	3.9067	3.3083	3.6537	3.64	7.79	YES	YES	YES
4.42	407.1938	5.1382	5.5879	4.4095	4.5296	3.4343	4.62	17.66		YES	YES
4.31	409.1863	2.1674	2.5336	1.7029	2.2502	1.8191	2.09	16.04		YES	YES
8.86	409.2795	7.9305	1.6142	8.6517	10.7004	9.6317	7.71	46.22			
6.02	409.2945	30.8384	33.3193	20.9781	27.5901	18.9021	26.33	23.61			YES
6.42	409.2952	19.1704	20.6933	13.6775	17.2789	14.9803	17.16	16.84		YES	YES
5.11	409.2952	6.7782	4.9825	0	4.4546	3.4262	3.93	63.89			
5.41	409.2953	19.7852	11.7263	15.6657	8.5874	14.092	13.97	30.09			
4.82	409.2972	5.7485	5.6804	3.5144	3.6651	3.6779	4.46	25.79			YES
7.65	411.2947	3.7804	1.652	3.4833	2.7714	2.1837	2.77	31.85			
3.66	412.0378	2.8328	3.7725	4.157	7.4613	7.5189	5.15	42.56			
6.49	412.0892	5.3937	4.685	2.882	4.042	3.976	4.20	22.21			YES
2.31	412.1549	4.4404	8.4879	11.1668	6.1833	7.4981	7.56	33.42			
7.50	412.2884	7.3206	7.1654	5.2381	5.9323	4.0473	5.94	23.02			YES
6.42	413.1252	2.4802	2.5596	1.6805	1.7341	1.6403	2.02	22.75			YES
3.33	413.1469	1.9986	2.0777	0.9243	0.6995	0.1167	1.16	73.21			
8.85	414.3042	8.5686	9.4026	0	7.4086	1.4733	5.37	80.45			
6.71	414.3385	1.7237	2.1158	1.3671	0.8203	1.5206	1.51	31.58			
3.65	415.0805	5.3851	7.0122	6.7124	13.3464	11.5314	8.80	39.11			
4.69	415.2580	3.0477	3.12	4.0529	7.4573	7.5418	5.04	45.14			
8.65	415.2608	14.9987	7.0473	17.9519	6.1332	11.2851	11.48	44.09			
9.37	416.3168	6.0746	3.6252	4.6585	5.6105	0.674	4.13	52.02			
9.94	416.3654	1.0026	2.0202	2.1388	3.0036	4.0483	2.44	46.84			
6.10	419.1373	1.8702	2.006	1.1834	0.8086	0.9443	1.36	39.96			
7.18	419.2666	4.2909	0	4.5321	3.1595	5.287	3.45	60.11			
4.51	421.1724	1.9579	1.7682	0	0.7394	0.4083	0.97	87.69			

4.41	423.1655	1.4924	1.9207	1.0832	1.3249	1.2296	1.41	22.82				YES
9.10	425.1245	5.4447	6.7906	5.0517	6.5893	4.1531	5.61	19.57		YES		YES
8.16	425.3158	10.8214	6.7364	12.4981	4.409	15.0532	9.90	43.52				
5.11	427.3044	39.4446	29.9696	18.2013	17.8354	21.6105	25.41	36.36				
4.82	427.3045	12.8505	11.3007	7.0943	8.9511	7.88	9.62	25.00				YES
5.40	427.3050	18.2362	17.0676	28.5173	14.9508	27.3602	21.23	29.46				YES
6.42	427.3055	5.385	5.9559	3.3906	4.7216	3.8011	4.65	22.95				YES
6.03	427.3064	9.4263	9.4631	6.3886	7.6077	5.9038	7.76	21.40				YES
7.51	429.2329	2.0617	2.3957	1.386	1.8468	0.8993	1.72	34.12				
9.05	429.2468	5.2534	4.6508	4.89	5.2981	5.6544	5.15	7.55	YES	YES		YES
5.54	429.3206	27.1894	23.566	13.3937	19.3132	16.2923	19.95	27.71				YES
8.97	430.2945	5.0966	6.228	3.2214	4.9752	3.6703	4.64	25.95				YES
7.50	430.2950	3.3498	3.6946	1.8281	1.3496	1.6575	2.38	44.92				
6.32	430.3319	1.2469	1.4349	0.9264	0	0.9604	0.91	60.44				
8.63	431.2553	4.6426	3.6541	3.5751	2.3416	0	2.84	62.85				
8.88	431.2649	39.8796	7.4248	43.916	47.9783	50.2414	37.89	46.15				
7.03	432.3486	2.7375	2.6594	1.2406	2.3075	1.8979	2.17	28.41				YES
9.27	433.1553	5.6487	5.6033	2.9691	6.0661	4.9667	5.05	24.32				YES
8.23	433.2136	4.1341	5.1233	2.7559	1.5263	0	2.71	75.23				
5.53	435.3371	4.3399	3.9102	2.4448	2.9656	2.6769	3.27	25.05				YES
4.69	437.2403	0.8066	0.549	1.7544	2.6746	2.7724	1.71	60.05				
9.60	437.3696	1.835	2.4097	1.9292	4.5633	3.488	2.85	40.89				
8.63	441.2776	6.8043	3.9535	7.7351	7.6986	10.2521	7.29	31.07				
5.63	443.2997	18.6259	18.1242	17.6949	11.6159	10.6343	15.34	25.27				YES
5.87	443.3035	3.1371	3.288	0	2.2345	1.6805	2.07	64.36				
9.48	445.2413	2.9985	4.4745	3.5112	5.5312	6.2942	4.56	30.01				
8.14	447.2975	15.408	14.4854	20.7771	15.6201	25.7486	18.41	26.00				YES
8.98	448.3080	12.1708	13.6639	7.2767	9.4004	7.4014	9.98	28.63				YES
6.41	449.1440	2.7686	2.9711	1.5276	1.8608	0	1.83	64.95				
6.82	449.2698	2.7814	2.8185	0	1.8503	2.077	1.91	60.21				
3.85	452.1653	5.311	5.9066	4.0939	5.1279	4.3999	4.97	14.62	YES	YES		YES
9.15	453.3096	4.858	3.6763	4.3482	4.8566	5.5884	4.67	15.17		YES		YES
5.54	453.3440	28.2713	28.5854	19.5549	24.1705	23.0793	24.73	15.29		YES		YES
6.98	454.2099	3.719	4.1482	2.2698	2.6238	1.5343	2.86	37.34				
6.83	458.2034	1.7601	1.7717	0.5626	0.9958	0.2075	1.06	66.32				
9.56	459.2614	5.0445	6.9572	6.8069	7.8447	7.0819	6.75	15.30		YES		YES
5.02	459.2816	5.683	7.2549	2.3955	5.5812	5.1009	5.20	33.94				
8.63	459.2875	8.305	1.9354	10.8287	2.4259	16.7156	8.04	76.63				
5.54	459.3538	3.3636	3.4772	2.2967	2.8141	3.3655	3.06	16.34		YES		YES
2.59	460.1324	8.8421	8.9999	5.0451	3.9938	2.9376	5.96	46.97				
7.08	461.2136	2.232	2.1267	0	1.5889	1.1578	1.42	63.65				
7.26	461.2141	2.305	2.4628	0	1.5208	1.3645	1.53	64.01				
6.83	463.1639	1.1405	1.3982	0.5082	1.3045	0.8438	1.04	35.02				
7.29	463.2798	3.2722	1.4593	0.839	0	2.0918	1.53	81.07				
7.04	464.1945	3.3111	3.769	0	2.5056	0.5465	2.03	82.62				
7.23	464.1949	4.5815	5.3935	3.5395	2.8208	2.6666	3.80	30.75				
9.25	467.3234	8.0451	7.8335	8.1557	9.0465	10.6589	8.75	13.31	YES	YES		YES
5.34	469.3238	4.8841	1.5886	2.3002	1.3957	0.1815	2.07	84.45				
4.82	469.3273	7.9268	7.3144	5.6622	5.0782	4.2393	6.04	25.49				YES
8.97	470.2917	2.8543	3.2682	1.7146	2.624	0.3402	2.16	53.96				
7.30	475.2486	1.7107	1.7079	1.4011	1.3496	0.7399	1.38	28.67				YES

8.91	475.2893	4.0159	2.4476	3.8529	3.0949	0	2.68	60.60			
9.14	475.2895	14.5003	18.3459	18.7217	17.3484	20.0472	17.79	11.68	YES	YES	YES
5.54	475.3277	13.5203	15.5573	11.0049	15.5482	15.7594	14.28	14.32	YES	YES	YES
5.02	481.2664	3.1295	4.0639	1.351	2.6709	1.8898	2.62	40.43			
7.19	482.1671	8.1315	9.2631	6.8491	7.0729	5.1703	7.30	20.94			YES
8.75	483.3574	10.8676	4.4968	12.5312	14.0723	13.726	11.14	35.18			
8.64	484.3026	3.3152	4.2415	2.0044	1.6716	0	2.25	72.32			
9.39	487.2892	2.5478	2.999	2.0614	0	3.0001	2.12	58.81			
9.25	489.3051	28.1591	31.7406	29.2565	35.2594	36.054	32.09	10.95	YES	YES	YES
9.93	492.2420	1.8306	1.9616	2.7887	8.9063	10.5981	5.22	80.49			
9.94	497.1989	2.0344	2.7543	3.5125	6.1871	13.375	5.57	83.19			
9.70	503.2872	3.6511	4.5838	3.807	6.292	0	3.67	62.78			
9.23	503.2937	6.3399	2.4572	7.1539	3.148	0	3.82	76.74			
8.65	503.3148	7.6327	5.6451	3.0432	0.5489	10.2796	5.43	70.09			
5.32	503.3156	5.1425	4.6211	3.7792	2.8437	4.2863	4.13	21.18			YES
8.93	503.3220	7.0156	1.0363	5.8816	3.4104	0	3.47	86.91			
8.76	505.3388	16.96	16.173	21.532	21.7568	28.0518	20.89	22.72			YES
9.43	511.3478	5.4037	5.0156	5.3143	6.1965	0	4.39	56.78			
9.75	512.3474	2.7926	3.6107	1.3416	3.846	0	2.32	70.08			
9.75	517.3032	4.1084	4.1695	4.0183	5.9367	0	3.65	60.03			
7.36	519.1278	3.9407	4.3931	1.9876	2.426	0.774	2.70	54.53			
5.32	525.2951	2.7131	2.0769	1.4595	0.7256	0.9905	1.59	50.82			
9.51	525.3637	8.3883	9.3166	6.8822	10.2333	10.9394	9.15	17.39		YES	YES
8.78	527.3876	2.0634	2.1298	2.7955	0	3.9417	2.19	65.70			
9.42	528.3790	4.5423	4.6169	4.2451	5.2968	3.9373	4.53	11.20	YES	YES	YES
3.85	529.2301	1.6267	1.9447	1.5329	2.6804	2.1118	1.98	23.07			YES
9.26	533.3282	3.147	3.4233	0	5.1241	5.1418	3.37	62.34			
9.43	533.3345	15.0876	15.161	17.8304	19.4279	21.4319	17.79	15.44		YES	YES
7.41	541.2747	2.0492	2.0363	0	1.3213	0.6173	1.20	74.41			
9.13	541.3965	22.6875	18.953	24.2693	24.7222	28.6446	23.86	14.71	YES	YES	YES
9.51	542.3929	5.1146	5.4762	4.8802	5.8097	7.9702	5.85	21.14			YES
7.19	543.2876	3.048	2.8705	1.5614	1.6557	0.763	1.98	48.55			
9.62	545.3385	1.9544	2.6463	0.788	0.995	3.0553	1.89	52.64			
5.59	547.3361	4.5885	5.2566	3.656	3.8021	3.3687	4.13	18.70		YES	YES
8.64	547.3374	5.6007	0.0619	8.2681	5.744	0.8133	4.10	85.80			
9.52	547.3491	21.2212	24.8834	22.0035	28.3924	28.5221	25.00	13.74	YES	YES	YES
8.77	549.3671	4.8034	0.9476	5.4642	0	5.8733	3.42	80.02			
3.85	553.1960	3.4314	4.9981	5.2167	7.7636	8.1701	5.92	33.81			
9.86	556.3767	3.9198	4.8623	3.5412	5.2347	0	3.51	59.21			
9.27	556.4078	3.7637	3.3759	3.6862	5.2381	4.7323	4.16	18.95		YES	YES
9.14	558.4245	11.3587	10.6982	13.9398	15.2267	15.0111	13.25	15.82		YES	YES
7.35	560.3090	3.1133	3.3203	0.9231	1.5028	0.8724	1.95	61.04			
9.47	561.3322	4.28	2.4361	5.2276	4.126	6.8424	4.58	35.24			
9.86	561.3373	3.3023	4.1415	3.9883	5.6619	0	3.42	61.32			
9.27	561.3648	6.7893	7.788	5.7135	8.3315	7.3953	7.20	13.96	YES	YES	YES
6.92	562.1365	6.0777	6.0413	2.763	3.3764	3.0439	4.26	38.88			
9.14	563.3788	36.023	35.7285	39.5383	41.2821	52.8632	41.09	17.01		YES	YES
5.59	564.3642	1.8615	2.0419	1.5255	1.6941	1.7926	1.78	10.77	YES	YES	YES
7.36	565.2640	3.1708	3.8026	0	3.0935	2.5119	2.52	58.78			
3.85	567.1786	4.9607	7.824	8.4969	11.255	12.854	9.08	33.89			
9.64	569.3951	4.4943	4.5252	4.9357	5.4975	0	3.89	56.87			

9.93	570.3905	1.0016	3.8538	2.136	3.3968	2.5606	2.59	43.08			
9.92	575.3489	2.526	3.5828	2.0278	2.6067	2.7046	2.69	20.95			YES
3.85	582.1469	3.4154	4.9009	5.4151	8.4811	9.5067	6.34	40.26			
9.72	583.4092	6.0445	5.9961	3.9355	8.3975	8.2871	6.53	28.46			YES
9.77	584.4033	1.9441	1.1546	2.1972	0	5.1621	2.09	91.70			
3.85	585.1531	6.0964	9.3111	10.9414	15.7366	17.1354	11.84	38.56			
9.13	585.4277	3.1619	3.6383	3.629	5.5552	5.8762	4.37	28.52			YES
9.63	586.4233	8.1881	8.5573	8.1303	10.1477	7.7581	8.56	10.91	YES	YES	YES
6.50	588.1201	22.7565	23.5407	9.3827	13.0986	12.5124	16.26	39.69			
5.83	591.3655	2.0495	2.0163	2.4117	1.5897	1.0805	1.83	27.88			YES
8.64	591.3707	5.5433	2.347	7.1778	0	9.5818	4.93	77.27			
9.49	591.3731	2.9212	3.4963	3.302	4.7993	2.0449	3.31	30.20			
9.64	591.3748	15.7625	17.3049	17.303	18.5759	19.2541	17.64	7.62	YES	YES	YES
9.40	599.4406	20.9184	0.1355	20.3323	25.3841	31.2029	19.59	59.80			
9.72	600.4366	7.8523	9.0586	0	10.8091	11.9567	7.94	59.33			
9.71	605.3918	19.8421	21.8757	18.5729	26.18	29.0611	23.11	19.07		YES	YES
9.15	607.4060	5.5639	6.0261	6.7589	8.7601	10.8745	7.60	28.99			YES
5.84	608.3893	1.4212	1.3265	1.5969	1.047	1.1406	1.31	16.80		YES	YES
9.50	614.4507	5.6027	7.0203	5.5024	8.4416	7.4431	6.80	18.41		YES	YES
9.39	616.4674	22.6457	24.6818	22.1713	31.1779	35.8739	27.31	21.92			YES
9.55	619.4033	7.2297	7.9943	7.7906	5.4287	6.0353	6.90	16.23		YES	YES
9.40	621.4215	41.6655	21.9956	38.2284	57.5106	63.439	44.57	36.90			
9.83	627.4366	2.8849	5.1489	2.4937	0	5.1097	3.13	68.31			
8.84	632.4587	2.3543	2.9143	2.1188	3.4429	3.7648	2.92	23.91			YES
8.63	635.3888	5.3136	0.4963	6.5798	1.3014	0	2.74	109.53			
9.90	641.4530	2.851	4.1417	3.1778	4.0343	5.6305	3.97	27.24			YES
9.92	642.4492	4.4358	3.9178	2.9672	4.7932	5.6357	4.35	22.86			YES
9.39	643.4641	2.9889	3.566	2.2434	5.4722	4.6747	3.79	34.15			
9.82	644.4630	13.1875	15.8437	11.4081	14.3382	17.2661	14.41	15.80		YES	YES
9.13	646.4826	2.007	2.802	3.8104	3.6717	5.1138	3.48	33.52			
9.92	647.4055	2.1774	2.2008	1.441	0	4.0451	1.97	74.16			
9.81	649.4181	10.9048	20.1098	19.0226	19.6996	19.695	17.89	21.93			YES
9.13	651.4364	2.6906	3.9584	3.6475	4.6892	4.6015	3.92	20.75			YES
9.60	657.4805	15.709	17.914	16.5502	22.1827	24.6573	19.40	19.85		YES	YES
7.19	658.1992	4.4704	4.5617	3.0176	3.4412	1.7365	3.45	33.72			
9.89	658.4771	8.3411	10.3455	9.0728	10.4704	15.488	10.74	26.04			YES
9.39	660.4926	4.8245	5.8174	5.0358	6.6744	7.9042	6.05	20.92			YES
9.90	663.4329	12.7237	13.8952	13.0434	22.3605	22.9726	17.00	30.57			
9.39	665.4495	6.236	7.306	6.8013	11.6294	12.386	8.87	32.69			
9.60	674.5075	31.4421	36.7966	27.5685	45.606	48.1936	37.92	23.40			YES
9.71	677.4493	8.4916	8.997	9.025	12.6865	8.923	9.62	17.92		YES	YES
9.60	679.4640	21.3707	42.5589	40.6184	58.1071	61.9523	44.92	35.94			
6.51	679.5159	1.6923	2.155	0.9596	2.4372	0	1.45	67.92			
9.16	690.5029	3.4484	3.7718	3.6399	3.9836	6.5864	4.29	30.35			
6.52	701.4900	1.296	1.2724	0.2613	0.8194	0.6083	0.85	51.97			
9.60	701.5076	2.0774	2.8337	2.5115	1.9924	4.2049	2.72	32.85			
9.37	704.5190	4.9619	4.9221	5.6453	8.8776	10.1597	6.91	35.27			
9.88	707.4631	2.1141	2.0604	1.7332	0.6638	3.8048	2.08	54.42			
9.38	709.4716	3.6891	2.0518	3.3192	6.6594	6.5725	4.46	46.23			
9.80	715.5251	13.0732	13.2341	12.5968	16.6517	18.4895	14.81	17.65		YES	YES
9.58	718.5333	6.8017	6.3521	5.0398	9.7795	12.3383	8.06	36.63			

9.60	723.4890	5.4117	6.6928	6.6598	10.7317	13.4161	8.58	39.21	
9.86	730.5395	5.53	6.0384	10.0295	11.2409	8.811	8.33	29.82	YES
9.79	732.5504	37.4221	43.5595	41.17	54.3058	61.7982	47.65	21.19	YES
9.18	734.5268	3.3922	4.3206	3.2833	6.078	5.5984	4.53	27.96	YES
9.90	735.4936	6.9155	5.4588	8.3714	12.242	12.0376	9.01	33.78	
9.80	737.5069	34.5339	38.2047	42.6031	50.3596	66.9826	46.54	27.64	YES
6.33	740.4691	1.5672	1.4911	0.774	0.8506	0.8894	1.11	34.26	
9.38	748.5453	5.0084	3.7801	4.1135	8.0562	5.0749	5.21	32.43	
9.57	762.5601	4.179	5.7511	7.0983	8.6451	10.0543	7.15	32.41	
9.57	767.5134	2.7917	3.5555	3.3004	0	4.1589	2.76	58.68	
9.95	773.5659	1.2231	7.8508	5.8278	8.2356	6.7152	5.97	47.21	
9.76	776.5723	6.935	7.6175	10.2723	13.1292	11.8346	9.96	26.71	YES
9.19	778.5609	2.5722	3.0119	1.9986	3.9038	0	2.30	63.58	
9.76	782.5359	2.3002	1.9059	3.7686	0	3.6737	2.33	66.10	
9.95	790.5934	32.9629	39.5734	27.2889	47.176	35.2346	36.45	20.46	YES
9.39	792.5754	3.4376	2.989	3.0789	6.181	5.1459	4.17	34.19	
9.95	796.5545	10.6617	13.8748	10.3458	22.9653	9.9302	13.56	40.48	
TOTAL NUMBER OF IONS								984	TOTAL NUMBER OF IONS THAT PASS 87 191 427 Percentage of ions that pass 8.84% 19.41% 43.39%