

Age	Doc_visits	Initial_days	TotalCharg	Additional_Initial_adm	Stroke	Complicatio	ReAdmis
53	6	10.58577	3726.703	17939.4	2	0	1 No
51	4	15.12956	4193.19	17613	2	0	2 No
53	4	4.772177	2434.234	17505.19	0	0	1 No
78	4	1.714879	2127.83	12993.44	0	1	1 No
22	5	1.254807	2113.073	3716.526	0	0	0 No
76	6	5.95725	2636.691	12742.59	1	0	1 No
50	6	9.05821	3694.627	16815.51	2	0	0 No
40	7	14.22802	3021.499	6930.572	1	0	1 No
48	6	6.180339	2968.403	8363.187	2	0	0 No
78	7	1.632554	3147.856	26225.99	2	0	2 No
55	6	2.595912	2837.862	18518.04	2	0	1 No
64	7	7.075083	3166.628	21480.89	0	1	2 No
41	5	3.483066	2908.712	7357.827	2	0	1 No
45	5	2.020142	3186.814	8454.613	2	0	2 No
85	4	1.012586	2754.77	14382.23	2	0	1 No
57	4	2.109411	2295.942	9415.372	1	0	0 No
44	5	7.038432	2944.723	8157.752	2	0	1 No
54	4	2.06451	2824.312	9539.219	1	1	2 No
72	7	7.302395	2698.883	23453.36	0	0	1 No
84	6	10.15996	3452.549	14051.44	2	0	0 No
86	6	7.094503	3534.815	28788.08	2	0	2 No
52	6	5.578873	3282.592	9128.65	2	0	0 No
31	5	3.798955	3430.726	11112.14	2	0	2 No
37	6	11.64407	3715.033	12876.79	2	0	1 No
19	5	18.87424	4300.035	3624.049	2	0	0 No
75	5	6.844303	3614.983	25364.43	2	0	2 No
48	6	7.419606	3123.11	8485.173	2	0	1 No
70	3	18.03239	4318.719	12417.64	2	0	2 No
69	6	13.48614	3804.004	22890.1	2	0	0 No
56	6	10.24668	3447.317	9801.759	2	0	0 No
41	6	12.40532	3582.912	13907.97	2	0	1 No
32	4	5.507799	2658.122	10575.43	0	0	0 No
27	4	26.04287	4463.657	5119.875	0	0	2 No
78	5	6.124179	3049.916	13159.9	2	0	0 No
86	4	10.69153	2816.873	14163.38	0	0	1 No
65	4	12.66288	3158.505	10729.61	1	0	1 No
25	5	3.54906	2293.184	4204.826	1	0	0 No
55	6	12.19678	3414.285	9646.93	1	0	2 No
55	7	13.48398	3711.674	9711.93	2	0	1 No
70	6	10.45261	2872.499	11658.49	1	1	0 No
79	3	2.951488	2781.108	13347.99	2	0	0 No
85	5	9.099378	3270.071	14748.53	1	0	2 No
57	6	11.74787	2878.862	9441.679	0	0	1 No
24	5	13.37394	3714.927	4620.845	2	0	1 No
41	4	17.57511	4123.964	7361.106	2	0	1 No
25	2	9.252492	3685.36	5160.705	2	0	2 No

89	5	12.59282	3553.508	15291.55	2	0	1 No
58	6	2.879403	2251.967	9606.738	1	0	0 No
25	5	13.73996	3666.736	8829.384	2	0	0 No
60	5	16.08095	3924.02	10461.54	1	1	2 No
33	6	15.58649	3859.384	6501.407	2	1	0 No
48	5	12.2868	3214.48	15910.94	1	0	1 No
83	4	2.920393	2742.183	14215.3	2	0	1 No
54	5	2.277763	3189.136	9886.229	2	0	2 No
66	5	2.006912	2884.491	21993.51	2	0	1 No
73	6	5.053092	2671.503	23875.81	0	0	1 No
51	4	10.72465	3612.819	17276.37	0	1	2 No
35	4	12.86161	3221.274	5912.174	1	0	1 No
86	5	8.298685	2762.184	14397.95	0	1	1 No
60	5	13.65994	3621.715	10521.79	0	0	2 No
43	6	23.76223	4374.715	7607.038	2	0	1 No
89	6	3.683244	3450.025	15571.42	2	0	2 No
75	3	12.81413	3743.803	12637.54	2	0	0 No
63	5	23.03722	4486.57	11058.38	2	0	1 No
57	5	1.462114	2328.05	9578.478	0	0	1 No
57	3	3.603021	3016.242	19880.14	2	1	1 No
84	3	8.61786	2633.766	13890.44	0	0	1 No
36	6	32.0761	4671.459	12059.11	0	1	1 No
57	6	11.71873	3559.456	19239.06	0	1	2 No
63	6	11.4608	2855.34	10389.19	1	0	0 No
41	7	3.614039	2760.771	7529.036	0	0	2 No
33	5	7.207278	2591.061	5685.002	1	1	1 No
78	5	19.2522	3630.639	25396.53	1	0	0 No
39	5	18.43504	4292.031	7576.924	2	0	2 No
51	4	5.03443	2437.39	8564.957	0	0	0 No
29	5	9.969557	3096.561	9651.338	1	0	1 No
32	5	3.756795	3273.601	11531.31	2	0	2 No
20	5	6.513888	2874.865	3968.533	1	0	2 No
19	6	6.744941	2665.501	6565.074	0	0	1 No
34	6	10.54912	3693.096	6514.1	2	0	1 No
22	5	8.553389	3629.045	4730.463	2	0	2 No
86	5	8.652246	2846.149	28102.96	0	1	1 No
60	5	6.714754	3097.338	11030.99	2	1	1 No
86	7	9.564817	3198.695	14780.5	0	1	2 No
39	6	17.61434	4177.952	13431.75	2	0	1 No
29	5	5.902798	3102.759	5308.868	2	0	0 No
53	4	21.10592	3644.739	8844.953	1	0	0 No
20	5	4.268295	2909.956	3897.701	2	0	0 No
47	6	10.16205	3686.111	9374.213	2	1	2 No
22	5	9.24896	2905.047	3997.617	1	1	1 No
58	4	4.496889	2472.259	19004.96	0	0	0 No
47	6	2.403987	2213.013	7907.819	0	0	1 No
18	4	12.54141	3677.204	3750.026	2	0	1 No

25	5	8.752446	3458.421	4875.81	0	1	2 No
59	5	4.879928	3011.814	19669.39	2	0	1 No
69	6	13.68592	3215.897	11461.01	0	0	1 No
82	5	2.368128	2693.679	14078.4	2	0	1 No
60	4	1.45362	2812.345	20020.29	0	0	2 No
66	5	1.111285	3117.415	22450.98	2	0	2 No
26	7	7.93082	3897.191	9616.847	2	0	2 No
34	4	5.527888	2928.437	11659.43	1	0	2 No
84	3	2.161241	3130.594	28297.97	2	0	2 No
89	3	9.779207	2977.031	29021.25	1	0	1 No
74	5	24.0232	4481.244	12619.12	2	0	1 No
24	4	1.032976	2158.972	4075.03	0	0	0 No
74	4	8.855282	3592.232	13025.9	2	0	2 No
32	6	1.641752	2321.177	10728.47	1	0	1 No
58	5	21.82649	4655.065	10511.38	2	0	2 No
73	4	7.529072	3233.033	24344.63	2	0	1 No
52	4	3.82786	2736.497	9144.47	0	0	2 No
44	4	8.907432	3337.582	7853.184	2	0	1 No
39	6	4.825498	2897.156	13343.02	0	0	2 No
41	5	5.9854	3343.885	7730.003	2	0	2 No
84	3	8.71827	2822.097	13777.37	0	0	1 No
89	6	4.337468	2588.662	28830.33	1	0	0 No
38	5	5.535165	3015.147	12943.75	0	0	2 No
43	5	4.988182	2418.978	7196.823	0	0	1 No
70	4	7.237485	3047.147	12240.51	2	0	1 No
28	6	7.895244	3353.774	9860.92	2	0	1 No
37	4	4.374382	2430.89	6349.918	0	0	1 No
69	5	4.240567	3407.23	24092.49	2	1	2 No
70	4	13.08239	3769.052	23373.46	2	0	1 No
43	7	5.222436	2467.875	14345.34	1	1	1 No
55	5	13.41694	3822.898	18351.66	2	0	0 No
69	3	10.43963	3454.35	12507	2	1	1 No
69	5	7.240614	3081.551	11745.46	2	0	0 No
60	5	13.28285	3109.995	10099.7	1	1	1 No
77	3	2.690607	2249.053	25151.93	1	1	1 No
18	4	1.817859	2677.31	3780.811	2	0	1 No
45	4	10.76329	2891.277	7701.05	0	1	1 No
27	4	1.831673	2090.915	4700.629	0	0	0 No
89	4	5.396801	2858.536	15096.35	0	0	2 No
30	6	5.703285	2629.144	5275.209	0	1	1 No
87	4	7.659067	3236.262	14788.96	2	0	1 No
26	6	11.49897	3674.589	9220.397	2	0	1 No
26	5	4.081151	3002.776	5517.916	2	1	0 No
33	4	5.144409	3081.958	11431.44	2	0	1 No
56	4	10.8822	2999.405	9489.802	0	0	1 No
23	5	2.732428	2139.255	3883.664	1	0	0 No
64	6	2.861179	2431.321	21048.78	0	0	1 No

65	4	1.630264	2330.463	21123.65	1	0	0 No
60	3	2.688477	3258.941	20406.27	2	0	2 No
51	5	15.15239	3768.784	17325.92	0	0	2 No
66	6	11.89721	3073.728	10890.19	0	0	1 No
28	5	13.4871	3193.374	9447.426	0	0	1 No
29	3	5.283496	2876.131	5430.304	2	0	1 No
64	6	10.63748	2967.015	10713.77	0	0	0 No
80	5	7.751138	2711.728	13417.34	1	1	1 No
71	5	5.529298	3120.465	12084.06	2	0	0 No
45	4	7.409782	2534.778	7591.088	0	0	0 No
26	5	18.33642	4114.41	9033.296	2	0	0 No
68	5	4.511033	2391.251	11293.64	0	0	1 No
75	5	27.67567	5161.511	25302.55	2	0	2 No
41	5	5.158201	2439.655	6978.396	1	0	1 No
89	6	12.68412	3165.384	28961.01	1	1	1 No
79	6	18.47588	4479.651	26816.52	2	0	2 No
70	5	5.146599	2349.338	11840.36	1	0	1 No
55	5	4.692069	3204.637	18586.56	0	0	2 No
40	3	5.610541	2849.157	7204.15	0	0	2 No
77	5	3.847757	2350.099	12714.87	1	0	1 No
39	6	14.47334	3274.184	12807.19	1	0	0 No
73	6	11.37397	3558.018	24109.57	2	0	0 No
51	6	15.7346	4032.168	17449.37	1	0	2 No
75	5	15.61151	4060.677	13818.98	2	1	2 No
19	4	8.650644	3234.889	3931.011	2	0	1 No
63	5	8.233994	2701.622	10500.8	0	0	1 No
19	5	11.5665	3268.304	6698.594	1	0	1 No
51	5	14.03522	3784.018	17285.22	2	0	1 No
67	5	12.32892	3830.991	22419.78	2	0	1 No
44	6	11.78261	3487.121	7700.146	2	0	0 No
79	5	17.01321	3429.816	13185.69	1	1	0 No
74	5	17.7384	3782.307	12790.32	1	0	2 No
24	3	15.03483	4150.93	8488.72	2	0	0 No
70	6	4.335987	2622.688	22867.62	0	0	1 No
76	5	3.330981	3054.09	25514.35	2	0	1 No
30	4	4.343519	2601.266	10005.66	1	0	1 No
60	3	1.287007	2690.241	10398.49	2	0	1 No
69	4	14.43882	4136.593	23398.42	2	0	2 No
75	5	16.39596	3437.951	12511.69	1	1	1 No
30	4	6.274797	3173.674	5472.727	2	0	0 No
33	5	22.21953	3935.783	11397.75	1	0	1 No
79	4	3.318519	2518.248	25648.43	0	0	0 No
52	4	3.961016	2425.098	17143.76	1	0	1 No
29	5	20.93668	4249.456	5991.404	2	1	1 No
88	4	1.035656	2770.599	28963.53	2	0	1 No
80	5	6.109153	3026.9	26788.14	1	0	2 No
30	7	10.85156	3410.833	5663.339	2	0	1 No

52	6	17.27994	3357.681	8818.329	1	1	1 No
62	4	14.93546	3809.534	10775.31	2	0	0 No
24	4	11.34938	2905.891	4075.03	0	0	0 No
23	5	2.444103	2807.09	4460.264	2	0	1 No
66	5	6.689705	3138.048	11433.92	2	0	1 No
66	5	1.028205	2783.227	22040.92	2	0	1 No
87	6	6.266711	3183.215	14830.12	2	0	1 No
73	6	2.904519	2751.726	12537.54	2	0	1 No
52	5	3.54363	2146.043	8755.123	1	0	1 No
76	4	8.554307	2688.238	12711.49	0	0	1 No
30	4	7.68358	3154.682	5421.226	2	0	0 No
19	6	22.75734	4532.094	4560.233	2	1	1 No
48	5	6.974557	2771.331	15686.27	0	0	0 No
69	3	12.90157	3724.09	11997.49	1	0	2 No
44	4	1.61784	2831.541	14896.26	2	0	1 No
89	5	8.634613	3232.607	15696.09	2	1	0 No
49	3	12.16557	3754.511	16473.34	2	0	1 No
36	4	3.300697	2258.67	6066.198	0	0	1 No
71	4	2.198837	2301.104	11720.6	0	0	1 No
29	5	5.803088	2929.616	5466.302	2	0	0 No
39	5	8.855444	2640.962	6698.354	0	0	1 No
62	3	12.57328	4063.786	11184.49	2	0	2 No
18	6	10.88602	3375.409	3589.08	1	0	2 No
69	3	14.20266	3238.067	11270.39	1	0	0 No
64	5	9.160605	2935.386	20863.76	1	0	1 No
51	5	14.92862	3816.849	8759.366	2	0	0 No
21	4	1.604654	2400.315	7093.725	1	0	0 No
61	6	17.34428	4131.259	21079.21	2	1	1 No
83	4	1.779301	2685.805	27472.01	2	0	1 No
79	6	1.260902	3110.44	13883.59	2	0	2 No
76	4	14.7377	3732.681	12869.53	2	0	0 No
67	4	5.8284	3125.742	11738.21	1	0	2 No
63	5	12.62027	3034.59	10716.29	1	0	1 No
33	5	9.114771	2895.479	5662.963	0	0	1 No
58	5	11.26406	3036.756	19055.26	1	0	1 No
72	5	7.780345	3211.889	12241.36	2	0	0 No
64	5	21.55873	4209.688	11054.47	2	0	1 No
63	4	16.80315	4062.553	21015.29	2	0	1 No
27	6	4.90234	2882.019	9633.013	2	0	1 No
70	4	1.345219	2041.113	11748.32	0	0	1 No
61	5	6.245851	3235.315	20328.01	2	0	0 No
77	4	10.14119	3469.344	25581.23	2	0	1 No
32	5	12.6338	3901.03	11323.39	2	0	1 No
18	5	10.28328	3648.753	7318.314	2	1	1 No
57	5	15.95788	4333.012	19503.78	2	0	2 No
86	5	6.975851	2572.098	14098.53	1	0	1 No
54	6	4.490707	2369.372	8923.248	0	0	0 No

44	3	12.27248	3188.525	7552.493	1	0	1 No
19	7	7.044598	2519.019	3292.841	0	0	0 No
52	4	12.25146	3787.082	17557.26	2	0	1 No
55	5	1.600677	3170.71	18835.75	2	0	2 No
74	5	8.173679	3024.614	24284.7	0	1	0 No
81	8	3.543815	2470.989	13387.98	1	0	1 No
71	4	4.814653	3308.538	12629.72	2	0	2 No
83	4	1.575428	2318.995	27133.75	0	0	1 No
19	6	11.03652	3387.74	3956.722	1	1	2 No
42	7	13.40957	3220.43	13848.8	1	0	1 No
68	4	7.412384	3189.615	11550.81	2	0	0 No
78	6	9.307059	3536.782	25853.26	2	0	1 No
32	5	2.7277	2639.031	10687.35	1	0	1 No
58	7	8.625477	2735.343	19034.55	1	0	1 No
44	5	8.658415	2969.441	14855.77	0	0	1 No
35	6	18.04765	4284.95	11929.81	2	0	0 No
44	6	8.945059	2745.722	7255.867	0	0	0 No
71	6	14.33049	3820.545	12219.66	2	0	1 No
48	5	13.05956	2997.709	8075.457	0	0	1 No
34	4	4.850895	3399.906	6893.379	2	0	2 No
74	6	19.47121	4242.704	12718.42	1	0	2 No
53	5	7.573342	3646.001	18824.45	2	1	2 No
48	6	9.931534	2830.772	8099.185	1	0	1 No
20	6	5.947105	2985.347	4016.256	0	0	2 No
41	7	12.47151	3426.853	7529.036	0	0	2 No
49	4	1.291339	3213.888	17034.04	2	0	2 No
42	5	9.83302	2942.899	13781.87	0	0	0 No
33	4	24.82005	4501.319	11436.44	0	1	2 No
87	2	9.430629	3387.198	15076.4	2	0	1 No
48	4	8.542972	3410.099	16344.89	2	0	1 No
41	2	7.167214	2955.275	7460.516	2	0	1 No
24	4	2.119318	2686.488	4559.276	2	0	1 No
67	5	10.71152	3779.444	11953.33	2	0	2 No
30	5	14.13105	4014.574	6004.777	2	0	2 No
53	5	13.02556	3570.179	10030.37	2	1	1 No
62	5	10.01208	2930.393	10350.6	1	0	1 No
27	5	15.909	3633.31	5337.003	1	1	2 No
87	5	4.008182	3222.248	29795.62	2	1	2 No
63	6	23.36538	4258.893	10978.98	0	0	2 No
86	5	3.614747	3076.598	14618.04	2	0	1 No
40	5	8.910697	3179.408	7217.497	0	0	2 No
62	4	15.8619	3414.395	20152.49	0	0	0 No
27	7	5.218014	2941.588	9506.443	1	0	2 No
65	4	6.495367	3191.747	11471.66	2	0	1 No
58	6	5.077617	2924.946	10128.67	0	0	2 No
56	5	4.859215	2438.113	18248.36	0	0	0 No
18	7	5.531998	2469.315	3398.101	1	0	1 No

26	4	21.67518	4392.134	9139.31	2	0	0 No
79	6	8.813611	3184.167	13341.2	2	0	0 No
21	7	8.894995	4020.446	7916.084	2	0	2 No
23	6	1.248752	2582.652	8269.682	2	0	1 No
67	6	1.246941	2070.181	21852.05	0	0	1 No
59	4	13.70354	3196.202	9789.798	0	0	1 No
54	6	7.377058	3058.584	9458.995	2	0	1 No
40	6	2.526907	2720.853	7487.922	2	0	1 No
78	4	3.294579	2383.754	25378.2	1	0	1 No
59	4	16.62371	3965.513	19826.76	0	0	2 No
23	4	8.92583	2766.185	3883.664	1	0	0 No
48	7	26.0946	4930.136	16895.37	2	1	1 No
86	6	6.855232	2614.858	27940.3	1	0	1 No
60	3	5.803581	3202.329	20048.91	2	0	0 No
45	5	12.70785	3654.598	15264.59	0	0	2 No
47	6	6.291837	2929.546	8276.717	1	0	2 No
32	6	6.861229	3188.321	10886.19	2	0	0 No
28	5	6.632509	3169.58	9775.355	2	0	1 No
43	5	14.74029	3269.849	7255.113	0	0	1 No
38	5	4.520436	3176.558	12950.46	2	0	1 No
69	4	12.76244	3620.049	22886.82	2	0	0 No
24	6	21.50637	4421.654	9185.102	2	1	1 No
40	6	7.467178	3098.703	7207.429	0	0	2 No
46	5	20.40946	4139.925	15664.68	0	1	2 No
18	4	4.354061	2917.402	6572.59	0	0	2 No
83	4	3.259308	2806.33	14064.35	2	0	1 No
57	3	4.463398	2793.41	9858.452	2	0	1 No
71	6	11.35887	3041.715	11761.77	0	0	1 No
81	5	6.479457	3198.319	14295.1	2	1	0 No
32	4	13.42107	3015.961	5421.248	0	0	0 No
21	6	12.82141	3649.808	7593.301	1	1	2 No
52	7	6.814742	3105.53	9137.833	2	0	1 No
49	6	6.096182	2521.135	8141.059	0	0	0 No
25	4	11.07305	3515.327	8958.275	1	0	2 No
82	7	3.091872	2885.994	13994.32	1	1	2 No
29	4	17.53365	3945.567	5502.606	1	0	2 No
30	4	2.674292	3300.026	6011.834	2	0	2 No
65	5	24.69252	4180.663	10832.34	1	0	1 No
40	4	2.8622	2149.889	6715.079	0	0	1 No
31	5	12.51186	3120.598	5352.136	0	0	1 No
64	5	12.43423	3227.081	10730.05	0	0	1 No
73	6	1.919483	2648.357	12764.9	0	1	2 No
35	7	23.9106	4472.987	6356.453	2	0	1 No
21	5	8.3923	3337.173	7937.319	2	0	1 No
28	6	3.624386	2795.929	5266.842	1	0	2 No
40	6	13.65981	3647.454	13697.35	0	0	2 No
66	6	27.50203	5001.204	21949.76	2	0	0 No

39	5	14.71573	3722.162	13332.69	1	0	2 No
79	6	26.63083	4604.923	13683.94	1	1	2 No
22	5	9.180584	3360.031	4956.412	2	1	1 No
65	5	16.73097	4287.287	11738.19	2	0	2 No
31	5	6.917025	2595.356	10190.32	1	0	0 No
53	6	18.14379	4339.312	18312.85	2	1	0 No
47	5	2.037693	2022.65	7835.868	1	0	1 No
71	4	5.270935	2433.302	11961.72	0	1	1 No
71	5	21.64223	4312.587	12103.31	2	0	1 No
34	5	1.466769	2962.268	6657.437	2	0	2 No
51	4	7.267162	3283.523	17268.1	2	0	1 No
24	5	14.90754	3701.824	8549.09	2	0	1 No
49	6	7.43963	3680.545	9055.818	2	0	2 No
43	5	15.54338	3496.002	7133.174	0	0	0 No
29	4	18.48671	3995.093	10098.9	2	0	1 No
52	5	4.273073	2411.219	8734.407	1	0	1 No
53	2	3.45105	2724.856	17781.74	0	0	2 No
57	5	2.696706	3062.7	19724.14	2	1	0 No
87	6	2.503276	2767.174	14775.19	1	0	2 No
20	6	11.50867	3103.217	6974.411	0	0	1 No
22	4	7.302132	2940.931	7546.307	0	0	1 No
25	3	7.622388	3723.796	10000.99	2	1	2 No
83	5	7.688278	2618.179	13704.87	1	1	0 No
47	5	2.137949	2176.659	7706.826	0	0	0 No
34	5	22.64578	3890.368	5861.385	0	0	1 No
79	6	4.259507	3009.004	13459.91	2	0	1 No
68	6	8.30082	3183.945	11769.9	2	0	0 No
57	6	14.4051	3681.803	10040.04	1	0	2 No
84	6	4.123138	3103.632	14378.85	2	0	1 No
68	5	1.64245	2273.848	22156.34	1	0	0 No
64	5	8.230283	3235.073	11247.72	0	1	2 No
70	5	8.520361	3489.239	24033.47	2	1	1 No
38	5	15.11084	3505.556	12595.26	0	0	1 No
83	5	4.195174	2834.822	14461.43	0	0	2 No
66	6	2.051278	2802.08	22574.51	2	1	1 No
55	7	10.60083	2799.498	9139.154	0	0	0 No
76	5	8.49987	2759.882	12708.53	0	0	1 No
60	3	14.68838	3171.544	19610.22	0	0	1 No
36	5	8.769682	3373.261	6782.233	1	1	2 No
63	6	7.734988	3208.173	10945.08	2	0	1 No
88	5	15.67528	3398.135	28673.17	0	0	1 No
69	6	7.542376	3579.614	12274.5	2	0	2 No
67	4	8.095891	2578.726	11078.28	0	0	1 No
35	5	8.163129	2938.049	6496.877	0	0	2 No
79	5	11.09339	3091.229	25835.76	1	0	1 No
50	6	4.034583	2765.706	9059.517	1	0	2 No
59	4	9.657281	3271.629	19706.73	2	0	1 No



41	7	2.032691	3018.235	14055.99	2	0	0 No
45	5	3.004003	2674.732	7881.444	2	0	0 No
84	5	7.251138	2779.897	27472.77	1	1	1 No
50	6	14.94907	3264.854	16472.46	1	0	1 No
29	4	9.079219	3159.807	5471.821	1	0	2 No
74	5	1.534377	3139.811	25064.57	2	0	2 No
22	4	2.860849	2638.475	4416.426	0	0	2 No
76	6	16.28274	4323.411	13388.23	2	0	2 No
80	5	8.710521	2860.866	25987.94	0	0	1 No
73	6	8.779479	3560.555	12920.1	2	0	2 No
37	5	17.19162	3837.234	6821.47	2	0	1 No
29	5	9.785105	3730.428	5957.267	2	0	2 No
41	5	7.397691	2875.331	7371.521	0	0	2 No
82	5	5.301391	2974.397	27671.18	2	1	1 No
23	6	11.29719	3059.617	7600.727	0	0	0 No
61	5	12.81424	3084.793	10037.25	1	0	0 No
51	3	7.803548	2589.082	8594.542	0	0	1 No
72	4	2.872823	2835.243	12346.18	2	0	1 No
27	6	5.200041	2281.766	4618.343	1	0	0 No
89	4	6.387169	2533.608	14677.54	1	1	1 No
45	6	12.13377	3423.744	8205.424	1	0	2 No
48	7	14.64291	3872.353	16228.8	2	0	1 No
82	6	22.99322	5102.772	27482.81	2	0	2 No
37	5	7.257809	2616.316	6233.336	0	0	1 No
64	5	2.310972	2363.741	21069.19	0	0	1 No
55	4	7.746674	3336.977	19157.65	2	1	1 No
45	6	3.332493	2715.142	15219.65	1	0	2 No
53	4	9.38591	3375.887	9325.92	2	0	1 No
72	6	4.072631	2435.852	12069.48	1	0	1 No
25	4	18.96625	4506.817	5222.275	2	0	2 No
78	5	12.0027	3036.63	25344.14	1	0	1 No
51	5	7.665119	3057.593	8960.207	1	0	2 No
79	6	4.092096	2876.211	25948.85	2	0	0 No
53	4	16.5809	3726.612	9166.093	2	0	0 No
19	5	2.757082	2869.69	4030.315	0	0	2 No
68	4	3.253892	2267.129	11385.99	0	0	1 No
41	5	11.36191	2941.227	6875.661	0	0	1 No
79	5	4.380309	2921.042	13582.9	1	0	2 No
68	4	9.785931	3354.121	22582.53	2	0	1 No
28	6	19.63765	3887.843	9419.602	1	0	1 No
89	7	8.322576	3368.357	15182.07	2	0	1 No
66	5	16.15219	3473.011	10912.1	1	0	0 No
68	3	16.18304	3912.914	22616.44	1	0	2 No
63	7	14.72121	4378.377	21397.84	2	0	2 No
34	4	5.926346	2581.063	5680.841	1	0	0 No
21	4	5.19475	2341.013	3735.499	0	1	0 No
21	5	15.49357	4036.044	7680.66	2	0	1 No

81	5	2.445696	2691.474	13900.78	0	0	2 No
56	3	4.727191	2576.275	18272.09	0	0	0 No
43	5	2.776058	2852.179	14627.35	0	0	2 No
27	5	5.920032	3465.016	9919.938	2	0	2 No
36	3	11.44605	3951.953	12747.51	2	0	2 No
69	5	21.14064	4075.796	22780.02	1	0	1 No
38	5	8.073261	3269.299	6920.482	2	0	1 No
38	5	3.040657	2266.148	6548.154	1	0	1 No
89	4	2.210002	2149.092	29198.86	1	0	1 No
76	4	3.015764	2359.94	24718.43	0	0	0 No
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59	6	12.20378	3448.268	10294.4	1	1	2 No
48	6	2.494827	2628.172	8584.432	1	0	2 No
56	5	11.79805	2894.343	9366.663	1	0	1 No
80	5	2.575705	2379.37	13135.04	0	0	1 No
44	5	5.529477	3499.827	8211.746	2	0	2 No
88	5	7.791761	3141.333	15565.15	2	1	1 No
73	6	15.58036	3691.596	12720.46	0	1	2 No
89	5	5.098995	2857.761	15757.66	2	1	0 No
50	6	1.910625	2557.364	8900.673	0	1	2 No
70	5	17.61562	4069.445	23281.11	2	0	1 No
22	6	6.543106	2758.539	4195.985	1	1	1 No
51	7	10.54942	3879.168	9592.473	2	0	2 No
44	5	10.54752	3817.005	8239.252	2	0	2 No
69	5	22.99159	4663.611	23186.41	2	0	1 No
38	6	5.69257	3185.585	13012.03	2	0	1 No
80	6	2.223536	2823.842	26402.64	2	0	0 No
49	5	7.665923	3141.865	9347.767	2	1	0 No
68	4	9.583768	2944.751	11382.71	0	0	1 No
88	4	6.402213	3077.347	28987.6	1	0	2 No
39	3	1.832667	3269.613	13759.79	2	0	2 No
72	4	9.31967	3093.395	12346.02	1	0	2 No
51	5	2.009107	2174.879	8481.472	1	0	1 No
75	6	13.2073	3203.114	12427.77	0	0	1 No
55	6	7.039565	2544.816	18042.98	0	0	1 No
24	6	15.53263	4045.924	8805.749	2	0	1 No
49	6	8.57548	2933.911	8345.331	0	0	1 No
88	3	9.725143	3370.273	14810.66	2	0	0 No
29	5	13.75005	3919.618	9997.359	2	0	0 No
86	5	9.385981	2812.279	27973.91	1	1	0 No
43	4	8.707705	3114.302	7685.894	0	0	2 No
75	6	12.75432	3887.146	13272.05	2	0	2 No
86	6	18.01623	4158.239	14792.68	2	0	1 No
66	4	7.200919	3555.805	22413.09	2	0	2 No
48	5	7.680152	2605.242	7867.407	0	0	0 No
48	5	4.451373	2527.466	8068.4	1	0	1 No
42	3	21.9128	4336.401	14970.52	2	1	1 No

40	4	21.32572	3748.796	6797.365	1	0	1 No
35	3	7.943984	3112.305	6435.308	1	0	2 No
85	5	17.20573	4005.556	28212.61	1	1	2 No
34	3	9.83767	2822.112	5885.113	0	0	1 No
80	4	14.54952	4120.814	14208.47	2	0	2 No
49	5	8.423877	3462.088	16555.62	2	0	1 No
27	5	3.300151	3464.6	9899.221	2	0	2 No
21	5	3.608027	3370.987	4744.255	2	0	2 No
19	4	6.271732	2527.643	3241.34	1	0	0 No
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32	3	9.396267	3749.851	11675.17	2	0	2 No
72	7	10.94616	3628.386	12760.79	2	1	0 No
38	5	4.951416	2418.491	6467.021	0	0	0 No
70	3	16.2418	3759.408	12086.58	2	0	1 No
53	5	23.15084	4603.784	18554.97	2	1	1 No
44	4	2.594497	2886.74	8048.274	2	0	1 No
89	4	1.431279	2829.45	30087.65	2	1	1 No
89	5	10.95348	2996.401	14675.91	1	0	1 No
79	6	3.342561	2346.345	13115.93	0	0	0 No
78	4	2.272524	2642.912	25923.42	0	1	2 No
55	3	4.381212	2885.061	9561.518	2	0	1 No
42	6	2.184692	2778.859	7480.521	2	0	1 No
47	4	7.445468	3402.066	15890.56	2	0	1 No
35	4	15.33139	3585.982	6445.376	1	0	2 No
65	4	15.48253	4316.102	22089.87	2	0	2 No
46	4	3.789559	2847.104	8222.15	0	0	2 No
65	3	5.589727	3055.794	11165.02	2	0	0 No
79	5	17.60912	3896.008	13391.24	2	0	1 No
89	3	10.39054	3059.105	28983.37	1	0	1 No
50	6	10.74117	3539.577	16872.61	2	0	1 No
56	3	6.829572	3242.597	9729.855	2	0	0 No
29	3	3.053488	3178.395	5984.459	2	0	2 No
84	5	4.686348	2591.715	27455.33	1	1	1 No
88	5	14.39617	3252.054	14566.83	0	0	1 No
32	6	5.097392	2492.001	5574.286	1	0	1 No
83	4	22.31122	4130.371	13672.77	0	0	0 No
31	4	4.161214	2944.363	10777.15	1	0	2 No
80	4	9.022832	3777.964	26986.14	2	0	2 No
55	6	28.38779	4241.4	9212.871	1	0	1 No
20	5	5.490369	2390.701	3713.479	1	1	1 No
47	4	23.91364	4059.072	15460	1	1	0 No
78	5	10.23747	3170.317	25451.31	1	0	0 No
64	6	1.188235	2585.632	10880.98	2	0	0 No
74	4	3.425857	2382.857	12575.35	1	0	1 No
36	4	14.41356	3774.646	6630.105	2	0	1 No
54	6	14.41742	4335.153	9961.413	2	0	2 No
60	6	11.46645	3282.145	19685.45	1	0	1 No

41	5	15.16611	4181.278	8420.795	2	1	2 No
81	5	11.16437	2930.819	13483.93	1	0	1 No
30	5	7.432774	3536.256	6592.833	2	1	2 No
43	6	22.77747	4854.674	8123.116	2	0	2 No
59	5	9.88849	2924.946	19351.53	1	0	1 No
74	5	6.850591	3113.606	24541.44	2	0	1 No
26	5	10.35798	2840.181	4437.358	1	0	0 No
57	4	8.702387	3286.77	19203.36	0	0	2 No
31	4	3.327392	2439.092	5362.204	1	0	1 No
30	5	3.682957	2755.897	5503.512	2	0	0 No
58	6	12.11966	3409.393	10243.11	0	1	2 No
60	6	16.18847	3868.301	20239.37	1	0	2 No
43	5	1.948559	3157.941	8020.38	2	0	2 No
66	7	21.97676	4395.26	11303.68	2	0	1 No
82	5	15.01083	4325.478	14385.78	2	0	2 No
54	3	14.03194	3758.442	9376.709	2	0	1 No
39	5	9.066095	3264.536	7050.279	2	0	1 No
34	5	1.757126	2351.769	11368.99	1	0	1 No
22	7	1.230852	2967.503	4678.962	2	0	2 No
56	5	7.97654	2681.27	18477.95	0	1	1 No
89	4	3.597986	2501.636	28990.15	1	0	1 No
77	7	1.328381	2378.025	13265.51	0	0	2 No
68	6	3.10527	2707.893	22585.66	1	0	2 No
47	4	5.962452	2942.674	8427.281	2	0	1 No
74	5	3.050352	2858.634	12619.12	2	0	1 No
19	4	15.88338	3987.189	6923.788	2	0	1 No
47	5	13.22313	3279.614	7993.384	1	0	1 No
41	4	8.029388	2686.501	13459.42	0	1	0 No
86	5	6.177978	3287.714	15616.16	2	1	2 No
81	6	13.57438	4114.757	14225.2	2	0	2 No
66	6	5.352693	2940.353	22024.14	1	0	2 No
85	6	6.414682	3025.726	14412.86	1	0	2 No
48	6	2.58657	3397.745	16809.73	2	0	2 No
65	5	3.098327	2588.604	21492.18	1	0	1 No
63	4	2.120802	2280.547	10583.08	0	0	1 No
60	7	18.83021	4142.757	11236.41	2	1	1 No
84	5	6.060679	2799.805	13852.6	0	0	1 No
70	4	1.611058	2708.231	12127.6	0	0	2 No
65	3	20.62633	4270.024	11346.73	0	1	2 No
79	7	11.73678	3465.48	13392.44	2	0	0 No
83	6	10.69368	3292.093	14203.13	1	1	2 No
39	5	4.006161	3026.266	13301.51	2	0	1 No
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82	4	17.08151	3744.006	14208.49	0	0	2 No
26	5	30.83365	4931.407	5036.391	0	1	2 No
56	6	20.72103	3639.637	9376.731	1	0	1 No
79	4	2.496057	2864.511	14184.76	2	1	1 No

53	4	10.8205	2911.488	9090.077	1	0	1 No
35	5	9.851197	4158.475	13111.25	2	1	2 No
28	4	7.649362	3163.975	5386.622	2	0	1 No
69	5	19.73509	4765.216	23606.85	2	0	2 No
25	5	4.930416	2892.258	4719.857	2	0	1 No
24	4	7.465239	2708.057	4258.853	0	0	1 No
81	6	12.12362	3699.817	26858.84	0	0	2 No
40	4	1.610579	2232.508	13239.06	0	0	1 No
73	5	5.587727	2885.536	12602.39	2	0	1 No
31	5	15.93093	4158.8	6154.977	2	0	2 No
76	5	15.26586	3731.184	25838.14	2	1	1 No
83	3	13.45065	3788.825	27988.16	2	1	1 No
73	4	6.545259	2979.517	12650.35	2	0	1 No
33	3	6.021194	3618.131	11817.51	2	0	2 No
30	3	7.179685	3661.251	10829.22	2	0	2 No
44	3	13.38149	3794.528	14995.17	2	0	1 No
25	4	18.17968	3602.439	8517.427	1	0	1 No
73	4	11.84031	3497.468	24186.96	1	0	2 No
33	6	6.679653	3159.28	11928.34	2	1	0 No
25	4	26.16865	4770.329	9443.794	2	1	1 No
79	6	2.490099	2693.243	13697.6	0	1	2 No
67	4	12.35445	3637.011	22480.89	1	0	2 No
58	5	15.09802	4153.486	10593.4	2	0	2 No
78	6	1.108181	2792.065	25832.87	2	0	1 No
25	6	8.055644	3328.437	5045.142	2	0	1 No
60	4	10.87682	3046.306	9821.337	0	0	0 No
55	5	16.49037	4350.434	9947.354	2	0	2 No
64	6	8.265227	3630.742	21827.9	2	0	2 No
58	4	14.44146	3428.669	18938.92	1	0	1 No
54	6	23.27659	3923.269	9209.806	0	0	1 No
58	5	2.175039	2970.286	19533.84	2	0	1 No
21	5	12.29845	4150.617	4682.686	2	0	2 No
41	4	6.755004	3029.046	7347.293	0	0	2 No
31	8	16.83675	3235.253	5313.804	0	1	0 No
29	6	2.090466	2120.964	5124.213	1	0	0 No
20	4	12.51602	3624.717	7271.404	0	0	2 No
75	4	14.32281	3614.02	12916.84	0	0	2 No
48	4	16.22931	4341.072	9018.376	2	0	2 No
56	5	9.264154	3038.762	18488.02	0	1	1 No
45	4	5.494663	3147.33	15059.97	2	0	0 No
53	5	17.55698	3414.528	8977.274	0	0	1 No
87	5	1.390869	2859.547	29222.45	2	1	0 No
89	5	2.593002	2724.856	15118.39	1	1	2 No
65	5	3.429237	2648.993	11286.96	2	0	1 No
48	7	8.477389	3780.658	16676.21	2	0	2 No
75	5	10.62446	3459.552	13047.89	2	0	0 No
64	5	4.486538	3235.235	11656.3	2	0	2 No

25	7	10.16644	3286.171	5472.218	2	1	1 No
81	5	4.581049	3302.659	14923.05	2	1	2 No
87	6	8.723371	2818.568	28548	0	0	1 No
22	5	6.380275	2704.303	3999.26	1	0	1 No
82	5	6.869779	2781.991	26751.6	1	0	1 No
49	5	10.0007	3944.203	17625.69	2	1	2 No
19	4	16.46657	3888.505	3941.079	2	0	1 No
37	5	12.84562	3490.916	6932.479	0	1	2 No
72	4	7.471129	2639.114	11752.14	0	0	0 No
65	8	12.97181	3723.839	11420.48	2	0	1 No
81	7	28.27952	4524.957	26268.24	1	0	0 No
51	3	8.167988	3194.373	8894.966	2	0	1 No
25	5	1.416757	2125.442	4481.003	1	0	1 No
77	5	3.156888	3175.055	14212.1	2	1	2 No
67	5	12.65398	3635.789	11362.73	2	0	0 No
63	6	3.306982	2399.325	20801.8	0	1	1 No
25	6	10.77586	3477.482	4802.143	2	0	1 No
42	4	9.389021	3989.495	7993.32	2	0	2 No
87	6	10.32529	3546.394	28794.22	2	0	1 No
62	4	11.03297	3444.03	20586.7	2	0	0 No
43	6	7.740993	2565.169	7136.452	1	0	0 No
48	5	2.459002	2895.326	9121.452	2	1	1 No
75	6	10.48251	2808.59	12633.2	1	0	1 No
87	6	14.1436	3893.567	28726.75	2	0	0 No
22	6	4.282506	2533.16	7556.643	0	0	1 No
79	5	13.06203	3338.649	25614.37	0	0	0 No
44	6	12.48555	3135.875	14540.82	1	0	1 No
24	5	14.78671	3240.182	8227.95	1	0	1 No
44	3	7.330176	3194.249	7751.648	2	0	0 No
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67	6	2.200127	2820.802	11676.33	0	0	2 No
64	6	8.537328	3040.661	11003.32	0	0	2 No
28	4	15.27291	3339.415	5094.624	0	1	1 No
31	4	9.109017	3335.38	6313.765	2	1	0 No
62	5	11.77106	3487.076	10679.68	2	0	0 No
28	4	7.530368	3031.028	5321.308	1	0	2 No
66	5	14.77087	3796.948	11361.97	2	0	1 No
32	3	16.55814	3797.922	11138.53	0	0	2 No
26	7	3.289963	2967.65	9859.688	2	1	1 No
26	4	3.112101	2981.795	9789.249	2	1	0 No
32	6	10.01091	3780.912	6993.003	2	1	2 No
75	6	1.106281	2544.101	24940.55	0	0	2 No
24	5	4.170957	2917.984	4740.867	0	0	2 No
81	6	6.985113	3157.131	13641.65	2	0	0 No
19	3	17.29391	3470.181	6401.968	0	0	0 No
53	5	5.034295	2621.194	17300.92	1	0	0 No
46	4	10.85305	2916.965	14994.24	1	0	0 No

59	5	3.561999	2753.862	10210.4	2	0	1 No
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72	5	2.804178	2730.309	12328.74	2	0	1 No
45	3	1.342899	2850.36	8116.187	2	0	1 No
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87	4	12.60435	3535.666	14857.63	2	0	1 No
34	6	5.237596	2995.604	12276.11	2	1	0 No
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25	5	3.897477	3272.114	5126.642	2	0	2 No
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88	6	33.62414	5263.086	14863.82	0	0	2 No
47	5	14.95078	4264.588	16273.66	2	0	2 No
38	5	17.29682	3958.177	13032.75	2	0	1 No
55	4	15.13671	3774.22	9404.969	2	0	0 No
60	5	4.852145	2451.698	19786.5	0	1	1 No
73	5	1.953265	2880.096	24027.29	2	0	0 No
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88	4	2.869842	2773.749	29083.24	0	0	2 No
33	5	13.73939	3664.376	11611.08	1	1	2 No
20	3	14.3082	3779.209	4129.166	2	0	1 No
72	5	5.361763	2976.534	12462.26	2	0	1 No
37	4	4.740116	3014.522	12630.2	2	0	1 No
44	4	22.50972	4444.991	14821.99	2	0	0 No
88	5	5.31438	3147.622	28831.21	2	0	0 No
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84	6	5.606242	3093.366	27682.48	2	0	1 No
43	4	11.51253	3143.621	14077.9	0	0	0 No
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45	6	15.33095	4498.403	8502.569	2	0	2 No
76	4	17.0287	3430.117	12601.52	1	1	0 No
34	8	1.541231	3092.063	12821.77	2	1	2 No
37	5	2.728882	2799.343	6678.814	2	0	0 No
56	4	11.21258	3954.577	10323.74	2	0	2 No
82	5	13.93928	3118.102	13644.19	0	0	1 No
39	7	7.154921	3439.713	7518.633	2	0	2 No
53	5	6.937477	3788.1	18195.23	2	0	2 No
87	3	10.2602	3936.222	15151.34	2	0	2 No
58	4	4.179245	2975.997	19465.33	0	0	2 No
77	6	10.24066	3545.051	25308.33	2	0	0 No
55	5	9.86911	4002.846	19516.48	2	1	2 No
74	5	6.051451	3129.845	24532.26	2	0	0 No
80	5	2.38701	2355.808	26124.25	0	1	0 No

57	4	3.083216	2926.785	10458.09	2	1	0 No
42	5	11.64737	3724.147	14447.31	2	0	1 No
81	5	1.844123	2358.83	26421.27	0	0	1 No
23	5	1.464132	2576.674	8417.209	1	0	2 No
65	5	6.368499	3183.68	11954.07	2	1	1 No
27	5	3.201543	2968.281	10047.63	2	1	0 No
23	5	9.276858	2615.812	4046.77	1	0	1 No
26	3	24.17573	4970.146	5393.237	2	0	2 No
58	5	6.322826	3117.26	19713.24	0	1	2 No
61	5	20.27859	4175.32	10613.85	2	0	1 No
87	3	26.05351	4292.18	14378.3	0	1	0 No
40	5	3.680834	3385.994	8198.644	2	1	2 No
62	5	10.9185	3833.239	11194.56	2	0	2 No
86	5	1.605355	2828.649	29096.08	2	1	1 No
50	6	3.264959	2904.953	16866.7	2	0	0 No
75	6	8.960948	3931.86	25354.05	2	0	2 No
33	4	19.75844	4202.164	6186.097	1	0	2 No
85	5	4.257596	3107.517	28112.54	2	0	1 No
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70	5	11.90642	3018.799	23033.56	0	1	1 No
21	5	2.891054	2766.213	4047.947	2	0	0 No
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21	4	30.5392	4527.195	3778.308	1	0	0 No
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74	5	1.307124	2813.957	24479.87	2	0	1 No
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31	6	22.39909	4710.827	6185.761	2	0	2 No
38	5	2.651797	3196.255	14051.32	2	1	2 No
39	5	9.285263	3542.872	13483.25	2	0	1 No
60	6	15.17451	3185.167	9926.701	0	0	1 No
35	5	6.107307	3266.954	12731.97	2	1	1 No
86	4	5.012699	3018.523	14655.88	2	0	1 No
74	4	4.783391	3511.388	24889.93	2	0	2 No
42	4	19.00199	3619.502	7138.977	0	0	1 No
40	5	18.20016	3646.365	6797.365	0	0	1 No
51	3	15.93059	3392.846	8591.264	1	0	1 No
47	7	6.00467	2686.541	15532.39	0	0	1 No
38	5	10.47383	2972.908	12740.75	1	1	1 No
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88	4	4.270738	3604.424	15530.69	2	0	2 No
84	5	7.452006	3192.862	14522.71	2	0	1 No
65	5	7.505654	3567.761	11553.16	2	0	2 No
66	5	2.979799	2718.746	11536.46	0	0	2 No
89	5	2.896352	3382.234	29837.71	2	0	2 No
74	5	11.56731	3602.951	12810.77	0	0	2 No



55	4	16.84174	3390.233	9423.211	0	1	1 No
73	4	18.54053	4526.296	13009.17	2	0	2 No
64	6	18.07675	4036.552	11009.87	1	0	2 No
72	5	6.284476	2896.44	23945.71	1	0	2 No
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44	5	7.810055	3788.105	15381.55	2	0	2 No
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24	7	6.852972	3023.517	5339.143	2	1	1 No
87	5	10.08563	2902.11	14508.98	0	0	1 No
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56	3	4.722389	3013.002	18726.7	2	0	0 No
77	5	7.166827	2442.92	12748.93	1	0	1 No
86	4	9.015072	3299.836	14705.32	0	1	2 No
62	2	4.508487	2849.748	20565.98	2	0	0 No
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81	7	4.098755	3362.202	27162.55	2	0	2 No
60	5	15.12975	3301.761	10098.06	1	0	1 No
53	5	20.5281	4523.212	9626.191	2	0	2 No
59	5	5.656388	2976.307	10302.75	2	0	1 No
56	5	1.293963	2645.294	9562.271	2	0	0 No
55	6	5.207742	2525.608	9233.588	1	0	1 No
40	5	6.046493	2725.723	6733.716	1	0	0 No
75	4	5.480936	2684.521	24571.66	0	0	1 No
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71	4	12.13973	3068.067	11806.16	0	0	1 No
72	4	6.069354	2424.946	11897.63	0	1	0 No
58	4	1.497614	2678.247	19408.39	2	0	0 No
35	6	11.66484	3567.755	12001.21	2	0	0 No
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44	4	15.78188	3929.944	15050.34	0	0	2 No
85	5	11.9511	3760.751	15124.13	2	0	2 No
19	4	6.587639	2621.084	3323.626	0	0	0 No
24	5	12.72314	3581.107	8639.649	1	1	2 No
85	4	12.60847	3768.144	28276.69	0	0	2 No
31	5	11.90667	3583.333	5694.878	2	0	0 No
41	6	10.14358	3454.46	7440.113	2	0	1 No
60	4	7.336514	3199.419	20113.73	1	1	2 No
89	6	12.5509	2884.08	14693.35	1	0	1 No
81	5	20.27332	4382.17	26927.12	2	0	1 No
69	4	18.53246	3605.136	11459.36	0	1	1 No
39	5	3.472398	2533.14	12827.64	1	0	0 No
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29	4	11.9898	3835.873	5861.32	2	0	2 No
81	5	8.98484	3795.966	27162.55	2	0	2 No
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34	5	12.66224	3761.06	11854.13	2	0	1 No
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68	5	4.137394	2593.221	22452.65	1	0	1 No
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62	5	16.61215	3823.163	11526.79	2	1	1 No
19	4	3.126064	2205.819	3304.545	0	1	0 No
26	5	2.880265	3113.216	8971.727	2	0	0 No
23	5	7.728147	3059.505	4422.77	0	0	2 No
46	4	3.86047	2411.789	7942.281	0	0	1 No
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44	5	6.825053	3073.034	7801.683	2	0	1 No
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83	4	14.88182	3826.21	14112.57	2	0	1 No
79	5	10.5872	2868.005	12906.99	0	0	0 No
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52	5	2.144229	3214.346	18111.18	2	0	2 No
30	5	11.12714	4244.236	11622.75	2	1	2 No
47	5	1.942984	2842.201	8570.87	2	0	1 No
89	5	18.87729	4146.615	15058.62	2	0	1 No
66	6	17.43206	3588.567	21595	0	1	1 No
37	5	13.06189	3633.737	6831.852	2	0	1 No
20	4	12.17814	3623.977	7308.898	2	0	1 No
44	5	6.659896	3500.105	15278.82	2	0	2 No
25	4	17.10146	3476.972	4467.389	0	0	1 No
50	6	5.880063	3075.43	8765.169	2	0	1 No
37	4	17.42117	4094.859	6596.795	2	0	0 No
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48	5	8.568228	3228.136	8495.509	2	0	1 No
38	5	4.187335	2258.467	6506.988	0	0	1 No
69	5	9.548608	2858.108	11440.6	0	0	1 No
77	3	3.770967	2981.529	25800	2	0	1 No
63	7	5.758887	3037.349	21159.14	2	0	1 No
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78	7	21.37982	4060.279	25400.12	1	0	0 No
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37	5	7.906292	3743.347	7334.269	2	0	2 No
87	4	9.744415	2786.654	14323.96	1	0	1 No
23	4	10.34227	3773.753	4863.771	2	0	2 No

35	5	14.62494	3431.596	11904.75	1	0	1 No
67	7	1.994019	2875.559	22234.76	2	0	1 No
29	4	10.38168	3152.889	5203.704	1	1	1 No
72	5	4.759099	3057.656	23835.92	1	0	2 No
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28	3	8.99818	3485.039	9816.522	2	0	1 No
51	5	22.52924	4945.915	10033.71	2	1	2 No
30	6	4.92172	3537.787	10911.51	2	0	2 No
45	6	3.318677	2221.601	7878.969	0	1	1 No
58	6	1.110611	2213.581	18892.16	1	0	0 No
72	6	9.200203	3320.291	23737.81	2	0	0 No
57	5	20.22018	3644.115	9527.244	0	0	1 No
88	4	9.177037	2852.488	28765.53	0	0	1 No
63	6	17.31001	4119.607	21771.24	2	1	1 No
21	5	1.385841	2746.205	4101.608	0	0	2 No
50	7	2.860021	2809.187	9382.244	2	1	0 No
77	5	2.325306	2764.246	25498.79	1	0	2 No
22	6	14.80753	3726.132	4535.893	2	0	1 No
50	6	6.221839	3097.843	8888.622	2	0	1 No
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31	6	4.235929	3034.25	10921.16	2	0	1 No
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23	4	6.905975	2672.633	4159.841	1	0	1 No
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54	6	7.500263	2639.435	8995.198	1	0	0 No
56	5	6.416291	2942.071	9920.315	1	0	2 No
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79	6	2.428676	3113.036	13883.59	2	0	2 No
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42	5	8.228149	3325.789	14222.33	2	0	0 No
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61	3	26.49467	5259.464	11095.86	2	0	2 No
48	3	7.826905	2834.95	15603.98	1	0	0 No
39	4	10.35475	2883.268	6690.807	1	1	0 No
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69	5	3.706253	2304.194	11371.93	1	0	1 No
59	4	14.15917	3361.449	19354.37	1	1	0 No
48	5	1.70686	2909.199	16438.72	1	1	2 No
58	6	11.1376	3377.235	10087.55	1	0	2 No
61	6	10.29794	2917.155	10204.95	1	1	1 No
46	4	1.998855	2678.945	8277.082	2	0	1 No
40	5	5.91481	2997.482	7190.143	2	0	1 No

50	3	6.596538	3039.461	8970.987	1	0	2 No
37	6	6.161904	3130.952	13206.11	2	1	0 No
82	5	13.17237	3693.119	27401.7	1	0	2 No
19	4	8.675362	3051.971	3835.226	1	0	2 No
23	6	8.55755	3288.098	8225.398	1	0	2 No
72	5	10.19136	3437.491	23907.87	1	0	2 No
88	4	9.946891	3829.115	29544.95	2	0	2 No
59	5	3.340055	2824.374	20011.46	0	0	2 No
51	5	8.678408	3214.883	9049.203	2	0	1 No
22	5	5.265591	2433.832	3947.758	0	0	1 No
67	5	12.46803	4032.882	12637.07	2	1	2 No
18	5	17.42747	3549.649	5999.421	0	0	0 No
40	5	7.538248	2785.089	6745.864	1	0	1 No
51	4	9.358893	2779.63	8441.504	0	0	0 No
75	6	5.070715	2428.266	12568.35	0	0	1 No
70	4	17.2131	3578.726	11563.3	1	0	1 No
59	5	6.716488	3131.183	10282.7	0	0	2 No
22	5	6.952451	3083.405	4372.787	2	0	0 No
18	5	11.03866	3233.344	3826.926	0	1	2 No
57	7	7.579821	3159.674	19237.42	1	0	2 No
54	6	16.21455	3672.968	9476.014	0	0	2 No
56	7	5.614394	2642.007	9353.049	1	0	1 No
58	7	4.058159	2507.36	19373.49	0	0	1 No
57	3	14.70706	3770.543	19624.68	2	1	0 No
73	5	5.954841	3053.405	24109.57	2	0	0 No
83	5	7.274978	2776.712	13566.75	0	0	0 No
38	5	6.888821	2877.603	6424.702	0	0	1 No
49	5	10.28244	2927.081	8305.364	1	0	0 No
65	7	6.085108	2902.664	11387.9	0	1	2 No
59	5	2.048399	2367.692	19212.42	0	0	0 No
89	5	11.42445	3449.831	15110.12	2	0	1 No
67	6	15.58266	4144.013	22309.99	2	0	1 No
44	3	14.99077	3682.435	7801.683	2	0	1 No
68	7	17.71958	3991.173	12346.42	2	1	1 No
76	5	5.835351	2551.5	12363.68	0	0	0 No
50	5	2.774632	2742.511	9508.661	2	1	0 No
58	7	4.919165	2595.953	9687.825	0	0	1 No
75	7	5.71349	2956.421	12647.38	2	0	0 No
76	7	4.859284	2583.846	24663.1	1	0	0 No
41	7	6.077993	3064.464	14571.25	2	1	1 No
54	7	6.366972	3022.237	9275.173	2	0	0 No
55	4	20.37534	4314.878	10286.37	2	1	1 No
26	4	5.930289	3536.838	9688.752	2	0	2 No
45	3	11.60153	3404.727	7962.264	2	0	1 No
64	6	15.48927	3989.207	21338.83	2	0	1 No
68	6	7.414989	2722.273	22237.16	0	0	1 No
66	5	9.031501	3367.049	21948.56	2	0	1 No

63	5	4.917468	2550.593	10437.15	0	0	0 No
69	6	6.000147	3692.51	24020.58	2	1	2 No
19	5	9.260572	3272.595	3817.94	2	0	1 No
52	6	4.370475	3490.75	17967.32	2	0	2 No
78	4	7.58804	3161.76	25751.73	2	0	0 No
52	5	21.02197	3653.384	8834.95	0	1	1 No
40	5	9.297538	3776.592	8239.81	2	1	2 No
84	4	1.03651	2073.147	13966.99	1	1	1 No
47	5	6.544114	3369.104	15916.3	2	0	0 No
34	6	2.251615	2538.819	6268.17	0	0	2 No
74	5	7.54262	3033.001	12646.47	0	0	2 No
22	5	6.087445	2587.746	4100.353	0	1	1 No
89	6	8.884348	3428.326	29223.42	2	0	0 No
73	5	6.379718	2438.106	12014.26	1	0	1 No
82	5	12.04873	3154.668	13634.13	0	0	1 No
77	3	1.311287	2629.123	13060.89	2	0	0 No
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76	5	7.30288	3026.972	13433.9	2	1	0 No
42	4	5.909254	2984.733	8171.312	2	1	1 No
60	5	1.072052	2662.164	20110.17	2	0	0 No
36	4	10.87576	3491.445	6678.06	2	0	1 No
64	5	1.874128	2779.689	21988.76	2	1	1 No
86	5	2.669586	2831.604	28187.4	2	0	0 No
79	9	3.372042	2981.508	13507.82	2	0	1 No
72	7	1.716486	2760.71	13031.06	2	1	0 No
59	5	14.3025	3247.631	9896.362	1	0	1 No
18	5	9.565067	3466.67	4308.497	2	1	0 No
87	6	10.38031	3425.383	14775.34	2	0	1 No
55	5	4.580938	2351.299	9491.02	0	1	1 No
19	5	11.92082	3682.719	7033.58	2	0	1 No
56	6	4.317152	3093.095	9821.01	2	0	1 No
33	7	6.759919	3395.978	6414.569	2	0	2 No
26	6	5.136573	2862.063	9310.957	0	1	2 No
68	7	12.33226	3255.846	22206.38	0	0	1 No
55	5	5.680122	2518.572	17981.41	0	0	1 No
20	6	4.825179	3115.414	7710.166	2	1	0 No
69	4	1.069949	2419.151	22329.47	0	0	0 No
56	7	1.159763	2148.183	18340.71	0	0	0 No
67	6	6.309403	3177.937	12192.94	2	1	1 No
76	6	11.97256	3408.695	13032.63	2	0	1 No
61	3	5.454848	3502.103	21044.76	2	0	2 No
20	7	10.74377	2954.653	3453.422	1	0	0 No
64	4	13.09927	4052.299	22398.83	2	1	2 No
23	5	8.224661	2717.123	7866.569	1	0	1 No
40	6	14.44645	3551.72	7207.581	2	0	1 No
78	6	4.118349	2631.748	25450.16	0	0	1 No
30	6	1.085241	2528.882	5390.441	2	0	0 No

71	4	6.014978	2959.504	23722.72	1	1	2 No
25	5	10.71345	3406.036	8893.427	0	0	2 No
80	5	30.91725	5572.846	27553.79	2	1	2 No
43	5	13.36721	3223.639	14160.19	1	0	0 No
40	4	17.34593	4095.441	7405.949	2	0	1 No
78	7	5.694359	3073.409	13466.86	2	0	1 No
30	5	35.26974	4996.699	5132.507	0	1	0 No
37	4	1.294775	2666.312	7303.559	2	1	1 No
59	5	13.89469	3892.481	11055.43	2	1	1 No
23	7	1.669799	2747.197	8480.414	1	1	2 No
76	6	11.91715	3661.761	25260.82	1	0	2 No
67	5	30.85892	5259.932	22317.05	2	0	1 No
65	4	7.856833	3083.732	11225.39	2	0	1 No
73	7	4.599411	2830.021	12326.21	2	0	0 No
59	6	1.651374	2672.512	10963.07	2	1	1 No
56	4	11.70669	3559.53	10645.32	2	1	1 No
81	6	15.41367	3607.346	13900.78	0	0	2 No
22	5	3.693943	2356.797	7549.096	1	1	0 No
76	7	2.53198	2709.23	25327.53	1	1	2 No
75	6	11.24795	3208.056	24602.44	0	0	1 No
46	5	19.34866	4193.114	8181.136	2	0	1 No
30	3	2.703089	2784.959	5707.784	2	0	1 No
19	6	15.67457	3225.172	3649.081	0	1	1 No
78	4	8.011844	3158.238	25940.55	1	1	2 No
57	3	21.81832	3962.589	18868.52	0	0	1 No
73	5	2.065314	2670.992	24275.49	1	0	2 No
77	6	1.117342	2191.193	25106.17	0	0	1 No
68	4	8.366772	3274.495	11564.47	2	0	0 No
71	6	4.109994	2798.763	12308.73	2	0	1 No
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33	4	7.37083	2772.272	5714.15	0	0	1 No
28	5	5.945105	3035.243	5198.322	2	0	1 No
41	6	3.707831	2313.168	7092.789	0	1	1 No
35	4	4.331897	2782.192	6435.308	0	0	2 No
30	6	3.485354	3272.493	6042.618	2	0	2 No
48	5	4.614298	3515.123	16563.14	2	0	2 No
85	6	16.45047	3869.595	14382.23	2	0	1 No
24	5	11.81693	3528.475	4540.026	2	0	0 No
66	6	3.383033	2903.258	22547	2	1	1 No
71	5	11.71697	2961.476	11639.78	0	0	0 No
83	5	1.546872	3081.155	27861.36	2	0	2 No
44	5	10.69981	2864.037	7252.589	0	0	0 No
19	5	3.800551	3277.186	7388.632	2	0	2 No
81	4	9.278048	3466.177	26923.84	2	0	1 No
27	6	16.59995	3814.288	5154.09	2	0	1 No
64	4	7.749053	2708.304	10651.31	1	0	1 No
60	4	7.761338	2843.673	19641.01	1	0	1 No

79	5	2.421198	2796.171	14069.88	2	1	0 No
69	4	3.129781	2243.764	11485	0	0	1 No
24	5	5.520377	3064.291	8960.427	2	1	0 No
89	5	2.12238	2359.59	29046.57	0	1	1 No
37	4	10.45717	3431.16	12876.48	2	0	1 No
82	3	5.719567	3210.815	14064.64	0	0	2 No
88	4	7.918291	3855.271	29579.02	2	0	2 No
33	5	23.55033	4574.413	6103.811	0	0	2 No
52	6	14.08978	3231.17	8643.252	0	0	0 No
58	7	4.419421	2656.417	19056.46	1	0	0 No
81	4	20.9152	4081.756	13743.18	2	0	1 No
57	6	14.70417	3755.525	19217.02	0	0	2 No
33	6	8.562208	3749.967	11838.23	2	0	2 No
46	6	12.03212	2926.717	7770.92	1	0	1 No
43	5	16.11517	3777.149	14948.85	1	0	2 No
85	6	3.41006	2360.72	14290.74	0	0	1 No
89	4	10.22083	3790.236	15434.07	2	0	2 No
47	5	26.95114	5256.716	16985.17	2	1	2 No
44	5	9.408278	2759.112	7357.404	0	0	1 No
80	5	5.813269	3456.268	27016.93	2	0	2 No
81	5	2.54649	3256.151	27269.06	2	0	2 No
37	4	13.94655	3882.107	6643.552	2	0	1 No
78	4	6.480131	2958.657	13156.63	2	0	0 No
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30	6	8.791066	3667.765	6562.048	2	1	2 No
66	5	5.375984	2893.652	11334.47	2	0	1 No
31	6	5.995271	3200.445	11584.45	2	1	1 No
79	6	14.63603	3887.313	26895.42	2	1	1 No
55	4	2.379861	2295.542	18012.19	0	0	1 No
25	5	11.17971	3377.434	4931.919	1	0	2 No
85	7	22.33076	4621.802	27983.49	2	0	0 No
18	6	5.418728	2505.998	6085.218	1	0	0 No
61	4	6.292708	2845.372	10795.12	1	0	2 No
19	5	9.946475	2909.495	3289.562	0	0	0 No
28	5	10.13846	3012.984	9447.426	0	0	1 No
21	6	9.961665	3487.138	4101.76	2	0	1 No
59	7	3.54119	2559.338	10296.04	0	0	2 No
20	6	2.723419	2722.791	3815.415	2	0	0 No
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31	5	4.35649	2937.877	5854.553	1	0	2 No
78	6	11.64149	3528.722	13830.29	2	1	0 No
31	3	13.62888	2972.407	5598.413	1	0	1 No
26	4	19.44873	4219.714	9818.835	2	1	1 No
78	6	1.979087	2628.811	25839.77	1	0	2 No
23	7	24.49813	4187.94	3945.234	0	0	0 No
81	5	13.80357	3719.974	13652.03	2	0	0 No

56	5	1.491063	3122.324	10186.94	2	0	2 No
63	4	11.56767	3389.014	21035.85	0	0	2 No
82	5	1.731035	2750.532	13948.71	2	0	1 No
26	5	7.649692	3261.703	9149.646	2	0	0 No
19	6	1.40351	2857.61	3859.106	2	0	1 No
47	6	6.162497	2948.154	9066.885	2	1	1 No
84	4	7.896369	2720.375	13819.69	0	0	0 No
42	4	8.973201	3249.048	7480.521	2	0	1 No
49	4	9.901551	3291.644	16586.41	2	0	1 No
68	4	2.951534	2354.677	22203.1	1	0	1 No
63	5	6.231502	2635.702	20719.78	1	1	1 No
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78	5	13.8433	3808.742	26096.43	1	0	2 No
26	4	1.782453	2892.154	5260.236	2	0	1 No
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23	5	4.717568	2890.341	5161.437	2	1	1 No
83	5	13.70192	3192.643	13662.39	0	0	0 No
25	7	15.14475	4082.111	5129.921	2	0	2 No
46	5	6.254077	3012.566	8232.485	0	0	2 No
66	6	10.80135	3617.427	22493.69	2	1	0 No
59	4	3.842618	2644.617	10206.97	1	0	2 No
25	5	1.92306	2392.996	8445.522	1	0	1 No
21	5	16.33722	4393.781	8049.604	2	0	2 No
64	4	18.06331	4174.653	21937.26	2	1	1 No
44	5	2.785913	2817.211	7986.704	2	0	1 No
61	5	15.3161	4309.144	20860.06	2	0	2 No
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79	4	1.962776	2614.949	13258.92	2	0	0 No
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20	4	7.364505	3216.776	7264.614	1	0	2 No
49	4	10.35084	3497.714	8728.04	2	0	1 No
52	4	16.59038	3215.066	8731.128	1	0	1 No
61	6	2.403409	2310.666	20105.12	0	0	1 No
53	5	4.861223	3264.967	9828.338	2	0	2 No
34	6	1.452963	3079.692	6664.226	2	0	2 No
69	5	10.94339	3030.627	22442.54	0	0	0 No
19	4	9.933092	3377.37	3821.215	2	0	1 No
37	4	15.13022	3935.005	6811.135	2	0	1 No
41	5	10.12255	3158.281	7398.795	1	0	2 No
47	2	5.419602	2543.711	15480.89	1	0	1 No
79	6	16.61198	3377.185	13042.15	1	1	0 No
26	5	25.6448	4259.857	4549.23	0	0	1 No
18	5	25.78637	4652.149	3739.645	2	0	1 No
81	5	1.205455	2074.72	13360.47	0	0	1 No
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74	6	16.09895	3287.122	24148.66	1	0	1 No
43	6	1.016258	2259.014	14271.79	1	0	1 No



87	5	7.049307	2691.341	28268.81	0	0	0 No
28	5	7.178922	3587.407	5786.304	2	0	2 No
31	5	3.919678	3000.915	5609.313	2	0	0 No
27	5	18.63142	3442.885	4709.811	1	0	1 No
67	4	6.385451	3561.863	22822.74	2	0	2 No
56	5	9.355618	2894.937	18587.47	0	1	1 No
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66	6	1.828195	2077.435	11066.46	0	1	1 No
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70	5	18.38569	4220.084	23301.56	2	0	1 No
86	5	16.00248	3944.468	14711.55	2	0	0 No
31	6	11.33228	3041.377	10502.2	1	1	1 No
39	6	14.99084	3231.157	6812.793	1	1	1 No
43	4	3.228457	2778.336	7784.957	2	0	1 No
86	6	1.553607	2127.811	14214.88	0	0	1 No
46	5	9.644881	2924.293	7659.315	0	0	0 No
52	5	7.42792	3855.016	17916.13	2	0	2 No
61	7	10.87608	3400.06	10671.99	0	0	2 No
51	5	11.8616	2962.483	8635.708	1	0	1 No
38	5	2.640844	2842.444	13155.89	2	0	1 No
39	7	11.3214	2955.34	13279.78	0	1	1 No
32	6	4.786577	2819.891	5905.494	2	0	1 No
24	6	1.849924	2138.896	4320.422	0	0	1 No
30	5	1.687996	2139.724	5194.076	0	1	0 No
54	3	21.1957	4099.9	9455.564	0	0	2 No
77	4	1.411424	2377.508	25181.4	0	0	1 No
42	4	9.078032	3438.134	7533.221	2	0	0 No
70	5	9.837957	3504.179	23342.68	2	0	1 No
66	4	9.240819	3424.579	11392.76	2	0	1 No
18	6	3.633553	2870.698	3717.133	0	1	2 No
62	5	4.363092	2626.682	10863.35	1	0	2 No
21	6	3.29681	2712.218	7706.372	0	1	2 No
85	5	4.106075	3409.468	14877.86	2	0	2 No
54	4	5.109498	2846.35	9458.995	2	0	1 No
45	5	22.08251	3725.661	7589.446	1	1	0 No
55	7	7.88134	3812.795	10121.99	2	0	2 No
88	5	3.878904	3082.72	14980.32	2	0	1 No
18	6	10.57356	3647.878	4221.346	2	0	2 No
37	7	1.638793	2807.304	12720.76	1	1	2 No
66	6	3.15051	2418.367	21531.79	1	0	1 No
59	5	2.62043	3288.643	20329.01	2	0	2 No
87	5	11.14953	3182.748	14877.88	1	0	2 No
68	6	11.63285	3393.13	11984.19	2	0	1 No
45	5	6.199653	3133.145	15121.54	2	0	0 No
49	6	7.774547	3503.679	8980.588	2	0	2 No
88	4	15.01115	3670.421	15069.25	0	0	2 No

19	4	13.91957	4128.418	4289.573	2	0	2 No
38	7	6.059479	3498.033	7504.919	2	0	2 No
86	7	1.300422	2201.957	14180.82	0	0	1 No
44	4	13.67367	3231.384	7324.539	1	0	0 No
63	4	15.91605	4312.152	11262.79	2	0	2 No
21	5	9.350464	3339.573	4789.041	2	1	1 No
22	5	6.469249	2944.083	4323.758	0	0	2 No
46	5	14.53376	3558.874	8069.531	2	0	0 No
61	7	10.02747	3843.818	11082.2	2	0	2 No
41	4	1.615053	2867.006	14510.88	2	1	0 No
77	6	6.112583	2940.812	12937.75	2	0	0 No
73	4	13.15663	2994.293	12106.61	0	0	1 No
88	4	6.363278	3035.129	14783.15	2	0	0 No
53	5	7.490349	3678.83	19067.45	2	1	2 No
26	4	2.821483	2391.407	8724.617	1	0	1 No
87	3	15.03769	3248.191	14325.16	0	0	0 No
38	5	18.96199	4214.594	6747.041	2	0	0 No
63	8	7.95228	3665.681	21480.13	2	0	2 No
36	7	2.890229	3329.991	7009.383	2	0	2 No
42	6	14.19006	3197.525	6996.274	1	0	0 No
49	3	2.2188	3035.258	9107.006	2	0	2 No
52	3	10.13664	3173.184	17083.39	0	0	0 No
45	5	9.980596	2984.241	7517.985	0	0	1 No
55	5	15.9603	4100.722	18422.41	2	0	1 No
27	6	15.7361	3456.736	4706.532	0	0	1 No
86	6	2.673428	3259.577	28763.85	2	0	2 No
74	6	8.410778	3223.111	12596.59	2	0	0 No
55	6	1.876739	2094.608	9132.051	0	0	0 No
83	6	7.295392	3659.882	14638.71	2	0	2 No
33	4	3.372409	2876.178	6016.04	2	0	0 No
84	6	14.73878	3229.291	13905.42	0	1	1 No
39	5	14.09737	3321.561	6646.852	1	0	1 No
59	4	10.85394	3011.928	19324.02	1	0	1 No
23	4	10.77173	3250.621	4426.201	2	0	1 No
33	6	1.253258	2155.844	10935.66	1	0	1 No
72	4	16.89966	3507.823	11937.16	1	0	0 No
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52	4	6.686433	3340.841	17516.41	2	0	1 No
48	4	6.34045	2620.064	15770.37	0	0	1 No
56	3	20.94499	3657.019	9152.056	0	0	0 No
44	5	9.585208	2839.515	14670.75	0	0	1 No
35	2	17.88856	3501.54	5986.913	0	1	0 No
89	4	12.16492	4119.468	30395.03	2	1	2 No
52	4	11.15949	3008.886	8755.123	1	0	1 No
67	6	9.846355	3259.944	11414.23	2	0	0 No
71	6	8.830338	3501.924	23638.79	0	0	2 No
89	7	1.089348	2764.612	29590.15	1	1	2 No

85	6	13.53269	3245.136	14043.96	1	0	1 No
72	5	24.93637	4411.241	12390.31	2	0	1 No
68	5	1.722897	3301.669	12195.93	2	0	2 No
46	5	9.226506	3297.852	15694.14	0	0	2 No
43	7	22.31988	3857.433	14312.91	0	0	1 No
87	2	18.29622	4412.288	15116.73	2	0	2 No
81	3	17.93674	4121.29	26862.27	2	0	1 No
55	6	7.092994	3279.262	18487.26	2	0	1 No
64	6	8.990414	2921.441	20847.47	0	0	0 No
63	4	13.41754	3797.414	21726.79	2	1	1 No
24	4	7.290066	3144.477	4733.916	2	0	1 No
52	4	11.42654	3449.401	17461.47	1	0	2 No
71	5	7.567605	3100.406	23642.22	2	0	1 No
75	6	1.909016	2816.41	13026.29	2	0	1 No
74	6	8.69417	3764.273	24920.72	2	0	2 No
25	5	6.149465	2904.685	4805.502	0	0	2 No
50	6	7.063043	3432.185	9233.524	2	0	2 No
30	5	15.67521	3951.799	6336.693	2	1	1 No
71	7	3.495588	3215.078	13340.96	2	1	2 No
27	6	3.67582	2789.459	5083.338	2	0	0 No
37	5	10.25161	3168.855	6674.184	0	0	2 No
33	6	11.39331	3935.976	7198.029	2	1	2 No
79	5	21.92673	4570.811	26238.92	2	0	1 No
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30	5	1.383327	2780.309	5644.107	0	1	2 No
26	5	14.46525	3225.211	8962.463	0	1	1 No
85	6	5.670562	3110.001	14983.95	2	1	1 No
59	4	15.043	3780.704	10292.69	2	0	1 No
73	4	7.153659	3066.488	24248.68	2	0	1 No
26	6	20.41216	4152.861	9138.111	2	0	1 No
62	5	1.16438	2221.481	20367.09	0	0	1 No
63	6	20.4671	4811.095	11417.02	2	0	2 No
71	3	14.01709	3989.714	12598.94	2	0	2 No
31	4	12.7426	3054.358	5352.136	1	0	1 No
62	5	9.343018	3340.871	10842.95	0	0	2 No
76	6	22.14383	4422.211	13618.61	2	1	0 No
46	5	1.583077	2658.072	8906.304	2	1	1 No
70	5	8.963141	2855.357	11400.19	1	0	0 No
83	4	15.52098	3712.196	14154.9	1	1	2 No
27	6	7.849034	3311.966	5062.935	2	0	0 No
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53	4	12.59494	3598.449	17652.85	2	0	0 No
18	4	10.43914	3884.07	7113.047	2	0	2 No
60	4	7.143157	3101.682	20281.86	1	1	2 No
23	4	13.8795	3577.216	4521.834	2	0	1 No
42	5	6.248902	3012.563	7317.415	2	0	0 No

63	4	9.035813	2854.179	20411.18	1	0	0 No
84	5	15.27749	3766.968	15039.17	2	1	1 No
25	4	7.689079	3652.674	5195.314	2	0	2 No
42	5	10.13771	3784.169	14905.29	2	0	2 No
78	3	1.453761	2573.241	13312.94	2	0	1 No
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55	4	17.64422	3813.738	9616.298	2	0	1 No
18	4	2.266199	2634.004	3778.703	1	1	2 No
78	3	24.23124	4348.626	13347.08	0	0	2 No
41	6	10.36682	2936.962	6743.339	1	0	0 No
31	4	3.911825	3100.94	5991.504	2	0	1 No
53	5	13.63378	2972.809	8833.418	1	0	1 No
21	6	6.881535	3603.479	8090.724	2	0	2 No
20	6	3.074128	3047.208	7380.849	2	0	1 No
75	4	5.703332	2835.328	12803.92	2	0	1 No
68	6	16.87453	4076.503	11602.32	2	0	0 No
72	5	7.474591	2799.107	23660.42	1	1	1 No
39	5	17.40337	4169.572	7070.728	2	0	1 No
20	6	20.13476	4223.215	4009.306	2	0	1 No
46	5	5.725107	3476.227	8584.41	2	0	2 No
28	4	2.89281	2493.751	4856.778	1	0	1 No
89	4	7.033281	2586.549	14881.33	1	0	1 No
56	5	18.7702	3965.235	9838.296	0	0	2 No
77	5	3.343816	3313.539	25960.51	2	0	2 No
45	5	9.300211	3369.833	7799.158	2	0	0 No
76	6	8.62606	2707.313	12539.95	0	1	0 No
41	5	4.295023	3374.114	8325.162	2	1	2 No
81	5	13.35364	3693.417	26892.91	0	0	2 No
87	6	8.03353	3627.28	29238.35	2	0	2 No
68	5	16.6261	3877.95	11848.92	0	1	2 No
88	4	1.600955	2987.885	16057.5	2	1	2 No
79	4	6.782739	3080.251	13665.18	0	0	2 No
44	5	18.59188	3949.656	7798.252	0	0	2 No
65	4	5.291897	2708.66	21275.93	1	1	0 No
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31	6	7.017775	2678.815	10466.06	1	1	0 No
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24	6	5.475493	2936.476	4675.156	0	0	2 No
29	4	4.752045	2832.585	5639.557	2	0	1 No
59	6	16.60285	3302.201	9827.69	1	0	1 No
29	6	22.11583	4141.885	5468.543	0	0	2 No
80	6	8.268936	2608.428	13350.85	0	0	1 No
23	6	2.926337	3096.484	4942.279	2	0	2 No
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25	5	3.606573	2349.638	8237.971	1	0	0 No

54	5	4.579654	2901.576	18132.78	0	0	2 No
87	4	5.256207	3087.702	14741.13	1	0	2 No
69	6	6.650459	3497.688	12370.13	2	0	2 No
89	4	11.95993	3102.551	29075.72	0	0	1 No
46	4	2.243564	3309.501	16097.26	2	0	2 No
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86	4	14.80707	4088.753	14956.15	2	0	2 No
68	6	6.517518	2689.115	11173.02	1	1	0 No
34	3	1.36306	2841.101	6949.432	2	1	0 No
71	4	3.476594	3126.048	13176.66	2	1	2 No
53	7	24.24768	4512.877	9421.553	2	0	1 No
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43	5	18.78682	4227.419	14716.07	2	0	1 No
73	5	7.537887	3134.926	24341.2	1	0	2 No
75	4	3.29574	2969.024	24943.99	2	0	1 No
56	4	7.392685	3212.865	18711.73	1	0	2 No
34	5	9.906721	3887.088	6705.392	2	0	2 No
38	5	6.706439	3100.208	13236.11	0	1	2 No
89	5	7.103358	2741.512	14788.98	0	0	1 No
39	4	11.19533	3465.435	6897.241	2	0	0 No
28	6	13.87096	3067.446	4860.057	1	0	1 No
78	6	5.441975	3530.298	14379.73	2	1	2 No
25	6	7.804668	3180.411	9002.558	2	0	1 No
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82	4	9.407647	3396.902	27059.63	2	0	1 No
38	5	2.956673	2917.317	6989.154	2	0	1 No
23	6	5.25005	3137.513	8173.897	1	0	2 No
62	4	3.894653	2759.079	10654.8	2	0	1 No
86	6	12.84776	3285.977	28022.58	1	0	1 No
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47	6	10.83876	3536.28	8413.515	1	0	2 No
35	6	22.87083	4609.02	12058.2	0	0	2 No
44	4	13.8655	3759.426	8581.863	2	1	1 No
48	6	6.184412	2934.427	8628.715	2	0	1 No
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43	5	1.367392	2197.502	7295.73	0	0	1 No
86	5	9.783074	3462.041	28405.29	2	0	1 No
26	3	10.31106	3043.816	8772.84	1	0	1 No
75	5	1.131671	2640.84	12837.99	2	0	1 No
41	5	12.86373	4127.051	7914.711	2	0	2 No
74	5	7.764394	2824.236	24230.68	1	0	1 No
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83	5	7.338343	2591.857	13672.77	0	0	0 No

18	6	12.58619	4277.673	7027.251	2	0	2 No
78	6	12.52467	3616.153	13382.5	2	0	0 No
19	6	10.59728	2869.799	3241.34	0	0	0 No
19	4	15.4645	3268.609	3425.162	1	0	1 No
61	8	11.23011	3275.466	10702.77	1	0	2 No
56	6	15.24407	3378.393	18459.42	0	0	1 No
21	5	18.29775	4280.781	4628.173	2	0	2 No
75	6	21.64505	3701.185	12448.49	0	0	1 No
43	5	25.74874	4735.855	14661.56	2	0	1 No
44	6	14.34479	3683.378	7856.543	1	0	2 No
24	5	5.421763	2412.257	8108.322	1	0	1 No
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58	5	8.543206	2627.649	9473.218	0	0	0 No
62	5	25.68222	5385.044	22042.47	2	1	2 No
74	5	5.977809	2993.602	12660.28	2	0	1 No
44	5	3.274357	3380.767	15391.89	2	0	2 No
50	6	8.273022	2608.763	8459.387	0	0	0 No
18	6	14.51227	4030.288	4033.359	2	0	2 No
74	5	11.55837	3068.747	23995.62	1	0	0 No
46	5	4.345463	3463.393	9189.637	2	1	2 No
68	6	8.956892	3222.179	11717.2	2	0	1 No
23	6	3.033815	2603.879	4610.757	0	0	2 No
74	5	8.576913	3258.309	25263.33	2	1	1 No
75	6	9.600304	3568.132	13185.93	2	0	2 No
40	4	5.14796	2483.874	6880.537	0	0	0 No
46	5	11.90291	3399.05	8180.984	1	0	2 No
28	3	3.902367	3281.359	6323.172	2	1	2 No
66	6	12.69384	3575.28	22100.69	0	1	2 No
42	7	12.04754	3109.729	13848.8	1	0	1 No
72	5	2.750716	2936.66	23912.45	2	0	0 No
19	5	10.20834	2861.328	3719.395	0	0	1 No
53	5	9.867771	3355.689	9196.877	2	0	0 No
80	6	18.99158	3714.706	13227.4	1	0	1 No
36	6	10.23643	2867.341	12001.97	0	1	0 No
68	5	10.6132	2956.249	11211.35	1	0	1 No
44	4	4.819427	2759.784	14599.11	1	0	1 No
66	5	6.789519	3009.474	11413.47	2	0	1 No
75	5	5.45274	2523.469	12676	1	1	1 No
33	4	4.312601	2682.226	6110.867	1	0	2 No
43	6	15.81518	4121.333	7607.038	2	0	1 No
74	6	25.69923	4305.59	24013.06	0	0	0 No
57	5	7.349532	3117.368	10135.83	2	0	1 No
82	4	2.187805	2786.089	13740.66	2	0	0 No
89	6	24.96269	4619.774	15120.19	2	0	1 No
88	3	5.853147	3518.247	29548.23	2	0	2 No
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65	5	5.08178	2538.069	21308.8	0	1	1 No
21	5	4.271666	2299.687	3725.608	1	0	1 No
37	6	17.01206	4598.525	13132.62	2	0	2 No
41	6	6.516526	2990.657	14185.19	0	0	2 No
19	5	7.723559	3146.655	3733.841	2	0	0 No
41	5	6.150449	3379.448	7726.724	2	0	2 No
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79	5	15.3117	3952.685	26792.68	2	1	1 No
36	4	3.837454	3155.427	6702.056	2	0	1 No
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76	6	12.53711	4066.885	25674.31	2	0	2 No
84	5	9.474551	3458.353	14509.09	2	0	1 No
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58	6	22.64141	4303.505	10137.1	1	1	2 No
25	4	9.389563	3197.05	5492.935	2	1	1 No
73	6	13.91116	3341.128	23879.63	1	0	1 No
37	5	8.271268	3785.065	7200.749	2	0	2 No
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73	6	3.2946	3206.027	13494.54	2	1	2 No
44	5	11.09437	3557.668	7870.355	2	0	1 No
53	6	8.00541	2788.99	8802.634	1	0	1 No
56	4	6.97054	3518.595	10107.93	2	0	2 No
19	4	6.387832	3417.232	7521.839	2	0	2 No
50	5	11.73992	3899.738	17029.81	2	0	1 No
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59	5	4.457103	2720.5	10350.82	0	0	2 No
86	3	4.082996	3407.515	28904.43	2	0	2 No
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40	7	9.83553	3380.224	13669.99	2	0	1 No
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60	6	6.51881	3486.901	10887.56	2	0	2 No
89	3	16.15283	3485.358	14553.97	1	0	0 No
42	6	4.141766	2925.054	7344.921	2	0	0 No
30	6	5.851392	3087.177	5632.555	2	0	1 No
47	4	5.50101	2636.428	15480.89	0	0	1 No
67	7	15.93764	3786.228	22218.79	2	0	0 No
69	6	25.47241	4788.484	23073.65	2	0	1 No
65	7	12.59376	3612.754	11227.1	0	1	2 No
72	5	6.113239	3022.585	12297.95	2	0	1 No
69	6	7.066447	3040.402	11937.55	1	1	2 No
39	5	15.45828	3761.419	7046.848	0	0	2 No

27	6	4.300697	2898.928	5037.589	0	0	2 No
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57	5	13.40647	4118.817	10412.37	2	0	2 No
77	5	7.824624	3022.636	25550.29	0	0	2 No
67	6	3.131281	2902.844	22296.33	2	0	1 No
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33	7	1.552235	2983.893	6568.806	2	0	2 No
71	4	3.832431	3249.195	13173.38	2	1	2 No
41	4	28.52255	4567.362	7151.394	1	1	1 No
89	5	7.984443	2726.691	14669.35	1	0	1 No
57	5	4.542677	2826.341	9920.022	2	0	1 No
76	5	7.528519	3723.305	14041.13	2	1	2 No
44	5	9.253818	2926.56	7467.196	0	0	1 No
59	6	11.17451	3956.596	20514.03	2	0	2 No
48	5	11.60422	3054.618	15934.67	1	0	1 No
25	6	3.633853	2815.038	9007.866	1	1	2 No
42	4	8.481907	2852.4	7221.263	0	0	1 No
52	5	1.87655	2736.021	9757.219	2	1	1 No
49	5	18.53673	3985.509	16594.68	1	1	2 No
22	4	7.585944	3181.797	4307.939	2	0	0 No
55	5	3.672063	2311.138	9360.005	0	0	1 No
18	6	8.625293	2802.208	3132.26	1	0	0 No
54	7	24.57162	5364.635	18484.71	2	0	2 No
30	5	4.43161	2476.853	10033.17	1	0	1 No
74	4	6.305624	3565.067	24920.72	2	0	2 No
23	5	9.931534	3374.47	4391.986	1	0	2 No
53	3	4.657615	2469.905	17453.96	1	0	1 No
48	6	12.09439	3639.608	8496.708	2	0	0 No
18	5	3.1543	2261.296	3394.823	1	0	1 No
62	6	11.67467	3702.701	10757.54	2	0	1 No
75	6	11.89271	3916.315	13350.79	2	0	2 No
28	7	12.85399	3080.174	4962.746	1	0	1 No
27	4	18.64759	3582.067	9058.049	0	1	0 No
83	4	17.711	3733.23	27143.82	0	0	1 No
30	5	5.274272	2859.852	5728.187	2	0	1 No
54	6	14.86819	3411.154	9087.99	1	1	1 No
60	6	12.29156	3544.347	10310.61	2	0	0 No
86	6	3.442495	2848.517	29092.8	2	1	1 No
22	4	9.427992	2763.98	4082.915	1	1	1 No
46	3	7.216425	3132.212	15543.34	2	0	1 No
28	5	3.290572	2458.562	9430.533	0	0	1 No
68	6	5.587265	2980.389	11624.84	2	0	1 No
51	5	11.37492	3385.191	9524.188	2	1	1 No
51	4	10.537	3021.956	8441.504	0	0	0 No
21	6	11.21295	3247.625	4248.742	0	0	2 No
59	5	9.109443	3285.677	10043.47	2	0	0 No
72	5	13.43131	3188.06	11976.81	1	0	1 No



57	5	7.32217	3759.04	19524.5	2	0	2 No
41	7	20.03632	4142.274	7412.294	2	0	1 No
52	4	15.03946	3720.571	9754.594	2	1	0 No
48	5	5.944175	3221.118	16550.16	0	0	2 No
74	5	3.603066	2236.059	12104.08	0	0	0 No
52	5	15.18651	4025.853	9636.972	2	0	2 No
40	4	8.50278	2895.649	13208.28	1	0	1 No
60	4	17.90459	4165.074	20109.28	2	0	1 No
22	6	11.93318	3551.195	4238.114	2	0	1 No
72	4	1.233975	2334.369	23508.14	1	0	1 No
58	6	1.196817	2321.381	19158	1	0	1 No
23	4	7.791472	3232.948	5202.557	2	1	1 No
35	5	7.003807	3013.837	6850.075	2	1	0 No
57	4	16.9815	3891.969	10628.25	2	1	1 No
75	5	10.00134	3414.958	12971.36	0	0	2 No
81	5	13.98371	3327.312	13255.66	0	0	0 No
74	5	4.765984	2601.735	24097.16	0	0	1 No
38	4	8.40972	2776.601	6421.423	1	0	1 No
43	5	17.18607	3662.401	14036.74	1	0	0 No
70	2	1.672311	2747.402	23513.62	0	0	2 No
56	3	4.670228	3455.693	10200.29	2	0	2 No
50	6	13.07093	3792.542	8864.626	2	0	1 No
79	3	18.26304	3850.76	13559.17	1	0	2 No
40	3	1.698261	2562.903	7238.214	0	0	2 No
61	7	6.661719	3371.318	10685.48	2	0	1 No
26	6	4.372621	3454.774	5355.895	2	0	2 No
80	4	6.58861	2714.241	26153.4	1	0	0 No
47	5	1.234076	2726.276	16439.51	2	1	0 No
79	4	4.937472	2597.453	12958.49	0	0	0 No
43	4	4.351842	3066.687	14654.5	2	0	1 No
43	7	9.32742	2791.958	14121.99	1	0	0 No
87	5	1.904657	2326.737	14365.13	1	0	1 No
45	6	8.551271	3696.427	9296.05	2	1	2 No
56	4	7.478322	3014.47	9694.44	1	0	2 No
50	3	8.119041	2936.157	16493.17	0	0	1 No
65	5	1.606439	2376.995	21113.27	0	0	0 No
62	4	7.365729	2718.236	20367.09	0	0	1 No
47	6	10.22425	3205.762	8960.871	2	1	1 No
21	6	20.81383	4644.04	5284.901	2	1	2 No
26	5	12.10456	3336.205	5070.455	0	1	2 No
57	5	1.768667	2771.048	19062.93	2	0	1 No
64	2	13.66394	3925.757	21937.26	2	1	1 No
19	7	6.334584	2374.728	3637.376	0	0	1 No
62	5	7.101003	3222.522	21430.26	2	1	1 No
38	6	29.18581	4917.496	6754.098	2	0	0 No
29	5	13.77827	2984.647	5070.183	0	1	1 No
38	6	17.8132	4545.614	14164.39	2	1	2 No

38	5	11.32253	3512.53	6705.875	2	0	0 No
42	5	20.17903	4082.016	7593.591	2	0	1 No
46	3	7.689309	3276.319	15512.55	2	0	1 No
53	5	28.34736	5033.994	18282.07	2	1	0 No
27	5	7.82925	2736.014	4627.525	0	0	1 No
74	6	12.61637	4070.569	13272.49	2	0	2 No
79	4	1.441612	3243.79	26611.1	2	0	2 No
62	5	1.095524	2338.384	20469.83	1	0	1 No
31	4	3.124233	2907.585	10879.99	2	0	1 No
66	6	3.260516	2894.646	22020.51	2	0	1 No
88	4	11.6775	2872.195	14450.48	0	0	1 No
56	7	15.56982	3303.447	18282.42	1	0	0 No
86	5	10.36144	3082.254	28084.15	1	0	1 No
44	5	7.455847	2707.746	7554.129	1	1	1 No
56	5	2.610817	2722.89	9807.511	0	0	2 No
66	5	1.057423	2527.827	22116.49	1	0	2 No
73	5	1.32437	2109.028	11881.93	0	0	0 No
54	5	15.06073	3209.991	9209.492	0	0	1 No
51	6	10.88091	3597.992	17312.57	1	0	2 No
74	5	17.91726	4343.595	14017.75	2	1	2 No
23	6	9.628861	3045.689	4149.506	0	0	1 No
49	4	14.62032	3267.895	8052.215	1	0	0 No
74	5	13.00992	2982.272	12287.91	1	0	1 No
70	4	16.69769	4149.676	13375.43	2	1	2 No
86	4	10.51837	3061.703	27991.8	1	0	1 No
81	4	9.423531	3423.736	26702.45	2	0	0 No
64	5	22.05496	4222.11	10979.09	1	0	2 No
64	5	18.49448	4152.827	21227.22	2	0	0 No
87	6	19.80472	4071.072	14845.45	0	1	2 No
33	6	11.34072	3297.243	6611.199	2	1	0 No
24	4	14.66482	4034.497	8617.762	2	0	1 No
45	7	6.868647	2751.809	14807.5	0	0	0 No
60	6	12.93582	3148.887	10060.22	1	0	1 No
71	3	5.624077	3000.837	23628.88	2	0	1 No
35	6	16.18841	3667.575	6404.523	1	0	2 No
18	5	3.66649	2309.78	3451.811	0	1	0 No
24	5	1.263114	3154.42	8907.652	2	0	2 No
67	5	2.146008	2590.746	11543.12	1	0	2 No
22	5	19.60389	4687.201	4648.177	2	0	2 No
45	5	3.309099	3206.314	8485.398	2	0	2 No
57	5	14.4996	3777.073	9907.874	2	0	0 No
33	6	6.12876	3452.874	6691.945	2	0	2 No
82	5	12.213	3710.814	27886.99	2	1	1 No
89	4	10.97847	3757.979	29277.88	2	0	0 No
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33	2	3.334554	2282.582	5615.239	0	0	1 No
76	6	16.28918	3310.647	12569.1	0	0	0 No

62	6	17.13802	3320.519	10326.87	0	0	1 No
59	5	5.449939	2628.074	9879.191	0	0	1 No
80	5	1.591468	2865.435	26500.74	0	0	2 No
19	5	8.61739	3487.247	6918.198	2	0	0 No
56	5	9.976185	3905.975	10382.03	2	0	2 No
77	5	3.90575	2800.361	26244.52	2	1	1 No
51	4	14.00594	3416.797	9014.674	0	0	2 No
24	5	4.34105	3197.781	5113.195	2	0	2 No
21	4	24.10671	4026.402	3910.629	0	0	1 No
21	5	13.61955	3137.583	3691.545	1	0	1 No
45	5	7.172421	2774.348	14809.58	0	0	1 No
85	5	6.427871	2966.646	14964.69	2	1	0 No
89	6	27.36543	5023.421	29567.95	2	0	1 No
26	5	12.3709	4125.149	9575.681	2	0	2 No
40	6	3.002487	2259.768	6891.356	1	1	1 No
81	4	7.375319	3151.762	26892.91	1	0	2 No
73	4	12.38468	3015.286	11974.29	1	0	0 No
50	3	9.705235	3329.176	9439.336	2	1	1 No
37	4	16.04337	3968.77	7481.477	2	1	1 No
58	5	1.830848	2904.896	10071.73	2	0	0 No
73	5	7.795208	3239.032	12578.71	2	0	1 No
67	7	2.827656	2162.581	11163.4	0	1	0 No
41	3	17.44614	3397.508	13638.33	0	0	1 No
32	5	1.433593	2792.519	6100.584	2	0	1 No
36	4	6.607338	3054.226	6466.999	2	0	0 No
65	5	10.51331	3214.959	21276.38	1	0	1 No
18	5	6.046769	2523.148	6521.875	1	0	1 No
53	4	6.292595	2883.611	9083.807	2	0	0 No
38	6	9.535023	3341.919	13087.61	1	0	2 No
48	5	12.22471	4292.375	16737.78	2	0	2 No
54	4	4.837752	3018.743	9506.951	2	0	1 No
43	5	5.407358	3054.287	7825.81	2	0	1 No
52	6	3.311979	2890.472	9055.547	2	0	1 No
28	5	28.14985	4736.067	5331.69	1	0	2 No
77	6	5.181161	3143.238	25495.51	0	0	2 No
38	4	1.087348	2603.799	6757.376	2	0	0 No
44	4	5.622627	3181.724	15197.31	2	0	1 No
60	6	4.057343	3112.18	20622.15	2	1	1 No
28	7	14.65025	3852.002	9830.135	2	0	1 No
43	4	8.750252	3363.312	7884.1	2	0	1 No
83	4	6.082815	3134.255	27524.73	0	1	2 No
52	5	8.578139	3403.236	18258.43	2	1	1 No
76	6	4.653835	3081.687	25192.34	2	0	1 No
82	3	7.342846	3167.135	27600.43	2	1	0 No
76	4	24.89011	4638.391	13771.65	2	1	1 No
67	4	3.489763	2956.844	11574.06	2	0	1 No
23	5	13.40498	3428.136	4426.049	0	0	2 No

53	6	1.583804	3108.746	18277.52	2	0	2 No
23	4	6.155217	2784.09	7876.904	1	0	1 No
87	5	1.406291	2298.173	14413.35	1	0	1 No
68	4	12.09029	3696.606	22619.87	2	0	1 No
40	4	13.38413	3972.16	7532.08	2	0	2 No
87	6	22.02797	4344.937	28639.44	2	0	1 No
43	4	1.506158	2199.127	7568.188	0	1	1 No
60	6	9.095398	3784.878	21062.45	2	1	2 No
87	5	5.706519	2480.362	14262.39	1	0	1 No
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47	5	3.108292	2829.009	15925.17	2	0	1 No
81	6	1.980353	2290.624	26470.87	1	1	1 No
70	6	12.76855	4145.461	23605.61	2	0	2 No
30	6	3.647527	2779.203	10415.88	2	0	1 No
70	4	3.674534	2921.148	12025.01	2	0	1 No
55	6	23.26639	4420.202	9681.146	2	0	1 No
46	4	9.514554	3890.206	16025.85	2	0	2 No
55	5	3.527051	2815.073	9576.33	2	0	0 No
67	4	2.923284	2740.069	12387.99	2	1	1 No
32	5	2.84054	3134.512	6367.059	2	0	2 No
79	4	1.670042	2722.527	13562.6	2	0	1 No
53	5	6.34711	2533.82	8844.953	1	0	0 No
40	4	11.83317	3615.858	13590.98	2	0	1 No
61	4	11.66143	2956.926	10417.48	1	1	1 No
83	6	2.955395	2770.816	27668.59	0	1	2 No
57	5	1.181869	2550.963	9971.523	2	0	1 No
55	6	4.016331	2330.57	9206.082	0	0	1 No
73	5	12.00044	3484.77	12619.41	0	0	2 No
20	4	8.635292	3271.031	4071.189	2	0	1 No
29	5	3.06806	2845.02	5392.966	2	0	1 No
66	6	8.714624	3794.958	11744.53	2	0	2 No
54	4	1.619622	2500.717	9409.192	2	0	0 No
22	5	2.822673	2293.804	3974.821	1	1	0 No
70	6	18.43977	3892.418	23195.39	1	0	2 No
20	4	1.598028	2316.693	6989.393	1	1	1 No
32	5	10.55098	2945.832	5543.501	0	0	1 No
38	4	12.68436	3212.745	12432.15	0	0	0 No
50	4	14.33625	3115.513	8413.244	1	0	1 No
84	6	17.3674	4474.939	28123.33	2	0	2 No
32	5	5.012532	2996.471	6484.681	2	1	0 No
41	4	19.7302	3607.219	7154.672	0	1	1 No
68	5	24.57317	4528.636	12415.09	2	1	1 No
56	4	12.63749	3036	9366.663	0	0	1 No
65	6	4.349542	2532.136	21331.7	1	0	1 No
60	6	15.25773	4382.829	20550.13	2	0	2 No
50	5	6.982255	2926.437	8884.877	0	0	2 No
31	4	6.181828	3166.962	10797.71	2	0	1 No

71	4	5.276758	2948.753	23700.68	0	0	2 No
54	5	7.109195	3107.618	10067.5	2	1	1 No
55	3	14.67979	3825.019	18504.54	1	0	2 No
19	6	15.12329	4272.729	4276.226	2	0	2 No
50	5	5.256737	3357.055	9236.802	2	0	2 No
32	7	3.501875	2412.042	10637	1	0	0 No
34	4	12.53543	3747.176	11840.78	2	0	1 No
86	3	10.60589	3575.878	28245.7	2	0	0 No
48	6	7.95732	3164.841	8413.223	2	0	1 No
37	4	9.652561	3219.5	6725.838	2	0	1 No
67	5	15.83705	3471.07	21719.73	1	0	0 No
69	4	7.778579	3697.19	12195.49	2	0	2 No
76	3	7.377579	3644.056	25735.88	2	0	2 No
19	7	4.450745	2911.83	3869.441	2	0	1 No
53	6	17.8112	3863.475	9459.288	1	0	2 No
83	5	13.919	3880.819	13962.81	2	0	0 No
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43	6	10.08745	2921.046	7189.716	1	0	1 No
80	6	21.6066	4431.356	13654.55	2	0	1 No
40	5	4.145279	3206.304	7750.851	2	0	2 No
76	3	1.811881	2549.273	13030.84	1	1	2 No
41	6	9.079571	2821.545	6968.56	0	0	1 No
23	4	1.791892	3040.65	9185.829	2	1	2 No
83	5	6.01403	2822.538	14030.13	0	0	2 No
34	3	3.874205	2856.713	6883.385	2	1	1 No
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83	7	3.065014	2971.19	27322.25	2	0	0 No
73	4	10.85231	3489.066	12489.32	2	0	1 No
29	5	5.11246	3593.341	10611.69	2	0	2 No
42	4	16.38185	3991.212	14443.88	0	0	2 No
85	6	3.00779	3248.953	15144.58	2	0	2 No
40	6	1.328246	2121.616	6689.272	1	0	0 No
62	4	3.122551	3210.263	21758.31	2	1	2 No
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69	5	13.56332	3042.238	11550.4	0	0	1 No
79	5	22.76872	4375.945	13819.1	0	0	2 No
56	5	7.761587	3743.302	10200.29	2	0	2 No
58	4	16.02996	4180.11	10459.88	2	0	2 No
54	5	11.77627	3332.931	9520.564	2	0	1 No
66	7	2.963809	2850.642	11382.69	2	0	1 No
75	5	3.766619	2844.703	24921.47	0	1	2 No
87	7	5.244028	3518.975	29118.72	2	0	2 No
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82	3	4.110604	2376.774	26710.75	1	0	1 No
74	5	9.329629	2732.459	24335.01	1	1	1 No
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54	5	4.194299	3113.459	18238.95	2	0	1 No

78	2	8.66424	3385.726	25976.72	2	0	1 No
23	4	4.108317	3470.17	8556.606	2	0	2 No
81	5	11.78752	4040.228	14191.13	2	0	2 No
36	4	17.74085	3695.303	6380.915	0	0	1 No
79	5	2.103777	2931.038	26194.25	2	0	1 No
38	3	3.292998	2210.653	6476.203	1	0	1 No
58	5	4.709838	3115.329	10207.02	2	0	1 No
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69	6	5.673519	2452.193	11371.93	0	0	1 No
68	4	1.001981	2083.581	11219.61	0	0	0 No
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26	4	2.26073	2225.199	8765.293	0	1	0 No
68	4	5.545909	3035.336	11645.64	1	0	2 No
28	5	27.23806	4260.418	9296.024	0	1	0 No
41	5	3.417248	2733.157	7525.596	2	0	1 No
62	6	2.392349	2951.873	10815.59	2	0	1 No
47	2	15.73086	3332.165	15533.59	1	0	0 No
43	5	2.595522	2785.644	7719.957	1	0	2 No
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36	4	17.95044	3898.51	6630.105	2	0	1 No
52	6	8.779126	3120.154	9079.622	1	0	2 No
20	5	9.769389	2742.283	3585.743	1	0	1 No
51	6	3.524403	3257.812	17705.67	2	0	2 No
48	5	24.19952	4610.823	16221.6	0	0	2 No
44	7	1.174381	2703.052	7751.648	2	0	0 No
54	5	5.284705	2421.235	9127.03	0	1	0 No
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69	3	9.123684	2894.72	22465.07	1	0	1 No
26	6	3.915241	2801.139	9244.625	2	0	1 No
68	6	11.92791	3585.073	11799.48	2	0	1 No
75	5	3.913842	2441.628	12448.49	1	0	1 No
33	7	15.54132	3787.226	5951.192	2	0	0 No
83	4	7.09476	3115.279	14014.31	2	0	0 No
65	5	1.953055	2614.153	11173.89	2	0	1 No
78	5	3.901847	2508.648	25900.22	0	1	1 No
42	6	3.887709	3332.638	15383.86	2	1	2 No
30	5	5.346675	3388.792	6302.556	2	0	2 No
29	3	4.600536	2963.613	5308.868	2	0	0 No
39	5	13.36941	3683.798	13366.75	0	0	2 No
39	6	7.548813	3672.709	14378.68	2	1	2 No
76	5	4.578059	2982.842	12921.03	2	0	0 No
49	6	15.01703	4290.293	9093.659	2	0	2 No
58	7	11.86112	4095.476	19868.49	2	0	2 No
70	3	2.528326	2886.843	12052.52	2	0	1 No

48	5	15.94174	3913.958	8992.41	2	1	0 No
42	4	4.658284	2834.845	7542.09	2	0	1 No
30	5	10.28955	3454.324	6132.734	2	1	0 No
78	5	2.542477	2720.716	13227.22	0	0	2 No
65	6	8.908736	3059.724	11252.74	0	0	2 No
82	5	21.92048	4135.474	26628.47	1	0	1 No
69	3	6.488567	3385.113	12274.5	2	0	2 No
54	4	11.69662	3386.986	9483.223	2	0	1 No
82	7	6.143598	3563.161	28156.97	2	1	2 No
73	4	2.44642	3128.306	24231.56	2	0	1 No
79	5	1.681361	2210.23	13008.53	0	0	1 No
80	7	7.373334	3079.649	26490.36	1	0	2 No
19	6	3.814576	2753.742	7033.428	1	0	2 No
53	5	28.4225	4756.568	9359.983	2	0	1 No
27	5	14.6048	3239.898	9272.389	0	1	1 No
67	4	13.41477	3753.388	11584.12	2	0	1 No
79	5	1.677746	2833.895	26256.21	0	0	2 No
55	7	15.11622	3860.939	9636.197	2	0	1 No
48	5	10.69798	3066.477	15771.56	1	0	0 No
83	5	3.007127	3103.104	15141.52	2	1	2 No
25	5	15.69203	4332.525	5851.497	2	1	2 No
54	5	10.37699	2946.64	8909.901	1	0	0 No
33	3	9.115559	2920.326	10977.98	1	0	0 No
35	4	11.95571	4019.246	12458.03	2	0	2 No
22	5	5.810963	2877.85	4359.458	1	1	2 No
58	5	7.136207	3624.279	19888.89	2	0	2 No
85	5	2.143047	2603.286	14342.26	2	0	0 No
83	6	3.950573	2573.289	27044.9	1	0	1 No
85	5	13.10712	3147.401	14155.08	0	1	1 No
76	4	14.26086	4231.586	13483.86	2	0	2 No
40	5	18.86435	3756.924	13177.49	0	0	1 No
51	4	6.040386	2522.625	16875.01	0	0	1 No
86	4	17.57706	3574.176	27807.97	1	0	0 No
80	4	8.841191	2805.735	13371.25	1	0	1 No
52	6	14.01533	4136.723	10245.79	2	1	2 No
35	6	13.0065	3213.39	5910.094	0	0	0 No
84	5	8.276033	3290.985	28007.77	2	0	1 No
66	5	3.268442	2536.989	11296.97	1	0	2 No
74	5	5.431543	3053.074	24558.72	0	0	2 No
25	3	8.67157	3281.435	4932.233	0	0	2 No
62	4	1.448979	2666.84	10805.21	2	0	1 No
23	4	2.283505	2196.462	4129.056	1	0	1 No
74	5	5.073021	3470.817	25044.17	2	0	2 No
86	6	3.899219	2500.11	14061.84	0	0	0 No
21	5	16.15225	3889.927	7466.053	2	0	0 No
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85	4	1.896641	2206.557	14088.91	0	0	1 No

83	5	9.589963	2773.098	13580.1	1	0	0 No
40	5	15.60791	3693.853	7238.214	0	0	2 No
30	4	15.94664	4259.397	6076.682	2	0	2 No
74	3	4.072434	2900.133	24460.62	2	0	0 No
77	6	9.884936	2863.105	25213.5	0	1	1 No
20	7	10.31187	3443.882	3944.458	2	0	1 No
45	5	14.49875	3856.83	8208.855	2	0	1 No
84	4	11.75001	4111.905	28274.29	2	0	2 No
43	5	6.361679	2944.113	7783.162	1	1	2 No
53	5	6.171062	3094.65	9442.002	2	0	1 No
86	4	10.82575	3241.364	14624.94	1	0	2 No
79	5	1.974603	2275.531	25698.47	1	0	1 No
33	5	8.22634	3154.381	11472.29	2	0	1 No
41	8	18.53582	3459.617	6774.124	1	0	0 No
75	4	7.256616	2619.471	12614.43	1	1	1 No
54	6	27.18658	4711.042	9483.07	1	0	2 No
89	6	6.310485	2493.015	14451.23	0	0	0 No
59	4	5.527601	2881.51	10302.75	2	0	1 No
23	7	12.77587	3022.774	4055.026	0	0	0 No
62	4	13.00332	3360.731	20275.94	0	0	0 No
65	3	12.26986	4078.328	22089.87	2	0	2 No
51	6	10.41369	3488.7	9028.486	2	0	1 No
26	6	8.133794	3278.429	9189.613	2	0	1 No
30	6	14.20316	3663.417	5549.719	2	0	1 No
59	5	14.33234	3747.778	10962.76	2	1	1 No
33	4	5.911982	3513.125	12665.82	2	1	2 No
35	5	4.669839	2460.221	6076.479	0	0	1 No
63	6	6.822132	3134.735	11666.97	2	1	1 No
82	7	6.071419	3063.926	27538.86	2	1	0 No
31	2	15.20501	3299.02	10415	1	0	1 No
71	5	6.598383	2553.44	11673.84	1	0	0 No
84	5	10.32658	3372.212	14194.14	2	0	1 No
26	6	12.34052	3961.852	5991.675	2	1	2 No
40	6	10.27213	3682.86	7614.366	2	0	2 No
23	5	14.42586	4118.098	4918.551	2	0	2 No
55	7	21.68438	4470.612	9711.93	2	0	1 No
26	5	6.006515	3066.546	4744.838	2	0	0 No
64	6	16.34305	3435.944	10621.73	0	0	0 No
82	6	18.40336	3875.941	14532.99	2	1	1 No
34	6	12.60294	3067.48	5793.912	0	0	0 No
64	5	7.806733	3254.139	11133.48	2	0	1 No
69	6	18.66752	4251.115	12155.16	2	0	1 No
68	4	3.2671	2183.065	11303.7	1	0	1 No
47	7	10.7921	3444.502	8831.828	2	1	0 No
49	5	20.12669	3777.496	16162.58	1	0	1 No
63	6	3.84033	2427.504	20441.96	1	0	0 No
76	7	1.203759	2213.797	24840.42	1	0	1 No



64	5	6.49179	2632.464	20942.77	0	0	1 No
36	6	3.410724	2668.909	6626.674	0	0	2 No
58	4	5.55982	2645.467	19221.21	1	1	1 No
81	3	26.0752	5071.719	14180.75	2	0	2 No
32	6	11.95528	3751.903	11100.85	2	0	1 No
48	6	6.97551	3033.557	8363.187	2	0	0 No
19	6	14.16381	3316.604	3286.284	0	0	0 No
53	5	15.94409	3848.277	17978.46	1	1	2 No
32	5	9.619933	2890.386	5625.52	0	0	1 No
79	5	17.13501	4426.654	14643.05	2	1	2 No
44	5	8.879364	3181.679	7883.969	2	0	1 No
83	4	5.850193	3580.914	27926.52	2	0	2 No
24	6	5.616865	2376.501	4013.461	0	0	0 No
51	4	2.49287	2267.681	8693.999	0	0	1 No
65	6	18.87285	4363.935	21590.96	2	0	1 No
75	7	9.540101	2968.351	24468.92	0	0	1 No
50	4	7.082105	2934.618	8999.584	1	1	2 No
27	5	2.232295	2705.49	5215.659	2	0	1 No
45	4	14.4412	3699.668	15497.02	0	0	2 No
44	5	12.14347	3436.194	15166.38	0	0	2 No
33	4	3.52147	2749.934	6125.85	0	1	2 No
73	6	15.95685	3469.3	12248.39	0	0	0 No
77	4	20.90182	3704.12	12759.32	0	0	1 No
78	5	11.04363	3294.333	13227.22	0	0	2 No
71	6	10.43505	3353.079	12448.89	1	0	2 No
66	4	20.57978	4195.16	11473.25	1	1	2 No
67	3	7.093678	3128.386	11495.05	2	0	1 No
52	5	4.425308	2923.302	9168.698	0	0	2 No
48	6	2.533563	2609.307	8406.513	0	0	2 No
68	4	10.17887	3933.268	23026.66	2	0	2 No
52	4	13.63044	3776.38	8954.01	2	0	0 No
27	4	8.544696	3250.893	5347.385	0	1	2 No
51	5	14.0053	3220.995	8478.193	1	0	1 No
39	6	4.361093	2385.028	13001.08	1	0	1 No
34	4	11.58331	3936.022	6575.151	2	0	2 No
65	3	9.603131	3214.549	11173.89	2	0	1 No
19	5	3.74731	2847.96	6896.282	2	0	1 No
26	6	5.762886	2520.096	4525.235	0	0	1 No
81	7	4.839457	2312.802	13286.44	1	0	0 No
40	5	3.476627	2891.693	7251.712	2	0	1 No
51	6	2.095106	2181.926	8407.441	1	0	0 No
42	6	6.967692	3621.841	15301.58	2	1	2 No
53	4	6.262155	2602.062	9081.645	1	1	1 No
87	5	4.725588	3179.272	28725.55	2	0	1 No
86	6	4.344783	2615.533	27940.3	1	0	1 No
73	4	5.907766	3111.097	24159.61	2	0	1 No
44	4	16.36332	4002.634	8538.617	2	1	0 No

47	6	1.056403	2732.895	8252.641	2	0	1 No
19	5	14.33008	3360.831	6412.036	1	0	0 No
61	6	9.682953	2761.409	19942.02	0	0	0 No
84	5	15.01678	3377.587	27547.69	0	1	1 No
55	4	4.461722	2887.263	9568.075	2	0	1 No
69	6	4.579431	2317.029	11321.9	0	0	0 No
49	4	6.1839	2474.704	16153.83	1	1	1 No
78	6	6.228322	2572.334	25429.71	1	0	1 No
77	6	1.11303	2788.591	25536.68	1	0	2 No
36	5	14.79236	3202.623	6012.385	1	0	0 No
31	6	3.275735	2450.667	10418.28	0	0	1 No
77	6	13.41428	4199.055	14212.1	2	1	2 No
65	5	3.396358	3568.998	22007.58	2	0	2 No
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50	4	11.32195	2855.333	8527.951	0	1	1 No
34	4	3.003101	2614.077	6200.849	2	0	0 No
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57	6	20.03738	4142.361	9866.708	2	0	0 No
23	5	11.65042	3690.25	8359.07	2	0	1 No
75	4	3.683187	2927.852	24879.14	2	0	1 No
27	5	1.277099	3059.05	9892.664	2	0	2 No
64	6	4.749751	3052.267	21376.56	0	0	2 No
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68	5	2.754235	2302.292	11365.59	1	0	1 No
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89	5	13.42492	4113.812	15558.07	2	0	2 No
26	6	5.308745	3302.605	5348.792	2	0	2 No
86	5	4.749701	3443.356	28918.09	2	0	2 No
68	7	3.301709	2855.321	11796.21	2	0	1 No
32	4	5.829716	2720.231	5533.166	1	0	1 No
67	5	10.50181	3900.117	23400.46	2	1	2 No
39	6	21.25904	4275.87	6917.957	2	0	0 No
31	5	7.909893	3208.341	5683.344	2	0	1 No
80	6	10.96017	3012.757	26184.18	0	0	0 No
35	5	18.1637	3930.379	12068.53	1	0	2 No
41	6	25.92213	4286.734	6846.075	1	0	0 No
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52	7	31.56382	5184.552	17457.65	1	0	2 No
83	4	19.09269	4603.066	27833.85	2	0	2 No
32	5	17.41694	3940.91	5711.604	2	0	0 No
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65	5	1.763475	2584.455	11222.11	2	0	1 No
85	4	2.665093	3146.224	28167.05	2	0	1 No
38	5	8.816464	3732.779	7381.78	2	0	2 No
69	5	7.581146	3661.705	23312.85	2	0	2 No

61	5	4.912367	2964.117	20402.12	1	0	2 No
25	6	9.665634	3728.056	5242.991	2	0	2 No
69	5	19.98817	4284.06	23114.77	2	0	1 No
47	6	7.594952	3709.961	8762.162	2	0	2 No
41	5	12.04244	4195.479	14393.26	2	0	2 No
76	6	7.698637	3484.264	13442.7	2	0	2 No
42	8	1.125966	2873.416	15045.75	2	1	1 No
74	5	23.26815	5018.114	25013.07	2	0	2 No
56	4	6.966209	3350.526	18859.02	2	0	1 No
21	3	10.30731	2959.263	6956.376	1	0	0 No
74	5	25.247	4577.582	12759.54	1	0	2 No
40	4	5.523618	3492.147	14062.62	2	0	2 No
35	6	23.70556	4003.476	6032.034	0	0	1 No
68	7	12.05324	3022.439	11329.57	0	1	1 No
65	4	3.382457	2645.16	11670.79	2	1	0 No
70	6	23.0152	4887.349	12458.81	2	0	2 No
29	8	2.042152	3084.617	6586.489	2	1	2 No
31	4	1.346103	2852.906	5865.087	2	0	1 No
53	5	1.708691	2741.539	17911.98	0	0	2 No
46	6	5.033359	3000.461	8753.266	2	1	0 No
47	5	2.191307	2866.718	15901.49	2	0	1 No
65	5	13.10198	4256.829	22767.04	2	1	2 No
88	5	15.02845	4324.57	15328.82	2	0	2 No
87	4	6.486485	3130.438	14850.53	2	0	1 No
37	5	3.335603	2189.579	6469.545	0	0	1 No
62	6	4.949009	3332.741	11068.14	2	0	2 No
25	6	22.36214	4195.476	4798.712	1	0	2 No
70	3	2.51179	2953.558	24105.42	2	1	1 No
34	5	6.764488	2922.277	6161.808	2	0	1 No
86	5	4.144562	2561.945	28125.32	1	0	1 No
72	5	2.688463	2708.557	12978.68	2	1	1 No
24	6	2.360423	2209.443	4217.733	0	0	1 No
37	5	29.73887	5372.813	7262.319	2	0	2 No
30	3	15.53222	3847.062	5615.117	2	0	1 No
63	6	4.694614	2592.393	20721.1	1	0	1 No
58	5	7.697361	3637.83	10723.6	2	0	2 No
77	5	3.153398	2956.393	25464.88	2	0	1 No
47	4	4.758705	3577.594	16427.9	2	0	2 No
56	4	10.87184	2952.815	18292.49	0	0	0 No
24	4	4.644607	2828.885	4693.143	1	0	2 No
37	4	15.06331	4271.066	7433.413	2	0	2 No
68	6	19.06764	3590.952	22350.23	0	0	1 No
30	2	4.569375	2534.626	10053.89	0	0	1 No
63	5	8.151106	3095.573	10818.66	2	0	1 No
66	4	7.036692	3263.279	22608.57	2	1	1 No
81	5	3.008721	2746.168	13712.4	2	0	1 No
73	6	9.807705	2905.772	12079.65	0	0	1 No

78	6	15.92374	4270.534	26253.26	2	0	2 No
87	6	14.69006	3660.378	28711.79	1	0	2 No
63	6	3.813293	2168.139	10408.44	0	0	1 No
28	5	9.598643	3055.672	5198.17	1	0	2 No
82	6	13.7973	4073.342	14468.06	2	0	2 No
79	5	12.28122	3135.624	25686.32	0	0	0 No
66	5	12.26176	2945.534	10754.59	1	0	0 No
60	6	20.69537	3825.061	19747.02	0	0	1 No
55	7	8.622934	3182.038	18480.55	0	0	2 No
72	5	3.429181	2376.45	12009.23	1	1	1 No
52	4	7.793731	2812.018	17176.19	0	1	1 No
80	4	15.84045	4173.426	14023.45	2	0	2 No
80	6	8.520919	3066.195	13674.96	2	0	1 No
23	6	15.75786	3574.094	7887.285	0	0	1 No
55	5	1.877897	2640.796	9530.031	0	0	2 No
86	4	6.792529	2669.4	28029.37	1	0	1 No
34	7	7.98957	3141.574	6313.937	0	1	2 No
38	6	10.17497	3102.895	7066.054	1	1	2 No
50	5	2.40284	2442.251	16503.24	0	0	1 No
89	5	1.807018	2415.47	28816.98	0	0	0 No
69	3	1.045763	2622.89	11721.78	2	0	0 No
37	4	5.422091	2953.239	6879.609	0	0	2 No
57	7	20.34232	3608.606	9444.958	1	0	1 No
52	5	3.933944	3330.364	9462.332	2	0	2 No
46	5	3.064895	2877.19	15512.55	2	0	1 No
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56	4	4.15075	3045.314	10388.66	2	1	1 No
80	4	21.86563	4708.009	14806.91	2	1	2 No
32	4	6.828521	3242.444	5893.347	2	0	0 No
38	6	14.16742	3941.546	12972.06	2	0	0 No
36	6	3.119364	2953.672	12399.02	2	0	1 No
18	5	8.230167	3102.952	3702.303	2	0	1 No
48	5	19.38158	4016.675	8526.293	2	0	1 No
23	5	6.384751	3255.54	8454.39	2	0	1 No
78	4	12.27293	3796.717	25867.43	2	0	1 No
52	5	3.931532	2602.787	17092.09	1	1	0 No
66	6	7.336027	2528.735	10920.97	1	0	1 No
66	5	6.988086	2794.937	21666.95	1	1	1 No
32	5	4.479248	2869.912	6035.186	2	0	1 No
45	5	4.680789	2746.704	8010.334	1	0	2 No
44	2	11.29376	3782.093	8995.205	2	1	2 No
87	4	10.85616	3439.321	14857.48	1	0	2 No
63	4	4.336581	3293.93	11375.86	2	0	2 No
36	4	1.223175	2556.931	12409.24	0	0	2 No
81	5	2.247394	2373.153	26247.83	1	0	0 No
22	8	6.963926	3219.229	4290.814	2	0	0 No

72	4	3.663737	2949.787	13112.2	2	1	1 No
27	3	11.04888	3758.776	6326.583	2	1	2 No
20	5	9.151042	3356.642	3913.673	2	0	1 No
43	6	8.414103	3668.406	15888.83	2	1	2 No
49	5	1.864331	2716.233	8749.643	2	0	0 No
44	6	14.42909	3719.491	8048.274	2	0	1 No
44	3	8.526637	3851.506	8211.746	2	0	2 No
26	4	15.874	3860.902	4888.694	2	0	0 No
85	5	6.472045	2557.995	27671.54	0	0	1 No
71	6	8.112195	3667.129	12680.96	2	0	2 No
28	5	6.377232	3573.46	11173.99	2	1	2 No
30	5	12.24124	3929.35	5932.826	2	0	2 No
88	4	5.865924	2884.705	14987.27	0	0	2 No
61	5	16.84495	3969.178	10572.73	2	0	1 No
40	6	2.754147	2904.445	7303.214	2	0	1 No
76	6	2.834507	2720.524	13032.63	2	0	1 No
87	5	3.367897	2935.427	28756.34	2	0	1 No
28	5	17.28368	4531.913	10342.93	2	0	2 No
36	6	4.280166	2536.462	12033.74	1	0	1 No
21	4	3.304496	2433.494	3716.739	0	0	0 No
80	5	5.509972	3071.795	26521.14	1	0	2 No
77	4	30.71931	4680.548	25143.06	0	1	0 No
70	4	5.492889	2390.907	11639.03	1	0	1 No
42	6	5.582073	2996.652	7348.199	2	0	0 No
66	6	8.28914	3351.739	22660.07	2	1	1 No
43	5	8.501626	3064.614	7754.172	2	0	1 No
26	6	24.65721	4751.777	9057.292	2	0	0 No
27	5	3.24263	2779.43	5154.09	2	0	1 No
77	7	18.86121	4487.299	13552.09	2	0	2 No
82	7	11.50219	3404.464	13853.73	2	0	0 No
25	4	9.434586	3141.059	4618.321	2	0	0 No
87	5	1.460939	2901.21	15383.73	2	0	2 No
39	5	12.22904	3629.049	13270.72	2	0	1 No
85	5	9.938663	3767.859	28505.16	2	0	2 No
64	6	4.675521	2983.696	21175.72	2	0	0 No
78	3	5.640799	3241.925	25849.99	2	0	1 No
51	4	2.630924	3449.852	17862.87	2	0	2 No
77	6	15.63778	3854.298	13148.93	0	0	2 No
83	5	6.837598	2674.962	27116.81	0	0	1 No
76	3	3.36294	2987.726	25939.3	2	1	0 No
45	4	5.828071	2512.361	7576.276	1	0	1 No
18	4	4.693822	2833.886	3674.645	0	0	2 No
65	5	16.57242	3797.869	11154.64	2	0	0 No
53	5	19.97392	3661.499	8738.985	1	0	0 No
69	5	22.09089	4873.099	23422.15	2	0	2 No
32	6	30.30239	4936.068	6644.509	2	1	1 No
70	6	1.565536	3108.218	23667.18	2	0	2 No

32	6	17.93496	4035.998	11056.4	2	0	1 No
24	5	4.404176	2328.878	8145.664	0	0	1 No
70	4	1.800294	2830.442	12026.21	2	0	0 No
43	4	5.571608	2578.205	14158.23	1	1	0 No
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61	5	4.995748	2409.853	10231.14	1	0	1 No
86	6	4.466785	2734.008	14631.34	2	0	1 No
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69	6	8.727251	2942.126	11493.43	1	1	1 No
81	6	5.887831	3102.501	13794.68	2	0	1 No
30	6	2.506409	2805.519	10689.51	1	0	2 No
68	4	5.785364	2509.831	11416.77	1	0	1 No
59	7	15.52288	3514.469	9892.094	1	1	0 No
78	6	16.86613	4369.791	26407.19	2	0	2 No
67	4	19.02599	3792.729	11410.66	0	0	1 No
84	5	15.22883	3993.921	14158	2	0	0 No
39	4	10.86498	3392.018	13298.08	0	0	2 No
39	5	10.56154	3500.293	13383.79	2	0	1 No
82	7	7.719883	3073.734	27127.6	0	0	2 No
72	6	23.20303	4568.912	23955.78	1	0	2 No
86	6	15.18643	3783.612	14410.49	2	0	0 No
73	3	5.357544	2542.779	23810.52	0	1	0 No
30	4	14.90022	3771.588	10689.82	0	0	2 No
44	3	1.860172	2640.689	7945.538	2	0	1 No
25	6	14.4688	3613.231	4894.497	2	0	1 No
34	5	2.384848	2803.203	6254.163	2	0	1 No
34	4	5.24585	3086.853	6408.247	0	0	2 No
77	5	6.335511	3036.406	25755.45	1	0	2 No
88	6	9.792415	3514.543	29487.93	2	1	0 No
39	7	5.565499	2931.581	7026.131	1	0	2 No
21	5	3.276846	2308.458	7214.022	0	1	1 No
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72	6	11.50072	3014.807	11884.46	0	0	1 No
35	6	14.97889	3793.784	11915.65	2	0	0 No
53	5	8.171646	2704.389	8924.13	1	1	1 No
50	5	11.60478	3379.461	8977.383	2	0	1 No
74	6	3.653852	2827.588	24651.08	0	0	2 No
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61	5	8.051346	3162.602	11325.09	2	1	1 No
20	6	13.54535	4063.384	7797.968	2	0	2 No
20	6	2.001058	3031.58	4354.521	2	0	2 No
27	4	12.98421	3418.224	5068.373	1	0	2 No
74	7	17.36088	3630.239	24345.07	1	1	1 No
60	5	6.103989	2440.979	10049.84	1	0	1 No
23	4	18.50586	4255.688	5233.342	2	1	1 No
73	5	9.161826	3359.854	12592.05	2	0	1 No

58	4	10.13213	2891.298	9810.964	1	0	1 No
64	6	15.35887	3421.946	21076.29	1	0	1 No
63	6	2.345779	2320.566	20738.59	0	0	1 No
35	4	3.791275	2311.161	5889.645	1	0	0 No
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66	6	4.190282	3331.159	22410.13	2	0	2 No
85	5	7.935886	3193.07	28223.54	0	1	2 No
56	7	17.31672	3971.178	19375.17	2	1	1 No
56	4	8.432971	2738.877	9315.162	1	0	1 No
73	6	4.247962	2489.957	11995.01	0	0	0 No
27	5	19.21401	3816.01	5028.039	0	0	1 No
79	6	4.099663	3271.992	13945.16	2	0	2 No
60	7	5.125262	3146.749	20150.45	2	0	1 No
31	4	1.979081	2696.112	5664.093	2	0	0 No
44	4	4.395769	2985.338	14981.82	2	0	1 No
36	4	1.540484	2592.873	12337.29	1	0	2 No
76	4	13.05782	4203.541	25705.1	2	0	2 No
69	5	5.637623	2911.219	11812.78	1	0	2 No
61	5	15.40756	3305.674	20065.64	1	1	1 No
47	5	28.87091	4660.888	15607.85	1	0	1 No
26	7	1.638821	3009.775	5376.299	2	0	2 No
76	4	5.237224	3481.019	26156.4	2	1	2 No
64	5	4.930795	2334.908	10508.66	1	0	0 No
81	6	4.890296	2895.502	13739.75	1	0	2 No
45	5	12.44637	3152.873	7529.519	0	0	0 No
53	7	3.258476	2916.518	18547.91	2	1	1 No
49	4	10.99009	3328.194	9346.881	2	1	1 No
36	6	4.416247	2960.807	6381.434	2	0	0 No
67	4	9.39057	2820.593	11384.79	0	1	1 No
26	4	7.182369	3201.852	9306.042	0	0	2 No
72	6	12.06929	3627.329	23900.92	2	0	1 No
51	6	10.5578	2977.919	16731.15	1	0	1 No
89	4	6.757621	2580.651	14653.38	1	0	0 No
73	5	11.1204	2999.452	23807.68	1	0	1 No
65	6	24.48975	5005.818	12490.23	2	1	2 No
57	6	14.3371	4213.404	19616.85	2	0	2 No
60	4	5.768204	2403.523	9927.9	1	0	0 No
27	6	3.857649	2756.047	5164.158	2	0	1 No
39	5	1.441138	2617.724	6897.241	2	0	0 No
74	3	1.039236	2188.045	24343.75	1	0	1 No
24	6	8.430166	2678.066	4173.288	0	0	1 No
21	5	11.04943	3033.725	7253.552	0	0	1 No
82	5	10.40502	3375.145	13833.01	2	0	0 No
31	4	8.380664	3223.289	6020.494	1	1	2 No
22	5	14.18285	3381.271	3855.404	1	0	1 No
51	4	5.323491	2705.376	9013.031	0	1	2 No
21	7	16.21528	3391.165	3999.705	1	0	1 No

30	5	2.40404	2770.398	5522.763	2	0	1 No
66	4	15.32483	3844.69	11498.77	2	0	1 No
20	6	12.90073	3559.951	4041.289	2	0	0 No
70	2	3.874897	2370.656	22781.5	1	0	1 No
60	4	7.30563	2513.974	10008.99	1	0	1 No
66	6	4.667758	2521.735	21515.82	1	0	0 No
38	5	16.58665	4406.571	13473.6	2	0	2 No
47	6	14.62114	3626.615	8365.712	2	0	1 No
67	6	2.7281	3244.755	12610.06	2	1	2 No
61	4	4.473864	3036.313	11232.73	2	1	1 No
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28	4	16.61164	3810.406	5353.729	1	1	2 No
56	7	6.898166	3187.41	18794.02	0	0	2 No
47	4	14.99167	3731.277	8913.847	2	1	0 No
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55	4	1.677522	2552.36	9616.145	0	0	2 No
22	7	17.82008	3487.828	7474.357	1	0	1 No
55	6	13.32745	3631.591	18473.76	1	0	2 No
50	5	20.16884	4580.79	9236.802	2	0	2 No
73	5	7.126481	3789.491	24600.46	2	0	2 No
66	4	7.830759	3424.859	22636.08	2	1	1 No
19	4	7.000044	3407.43	6832.633	2	0	0 No
23	5	4.228174	2626.125	7631.512	0	0	0 No
43	5	6.8574	3048.739	7916.369	1	1	2 No
52	4	5.104905	2472.408	17078.92	1	0	1 No
38	5	3.159731	2938.646	7012.836	2	0	1 No
24	6	2.570842	2785.973	4833.221	0	0	2 No
54	4	3.495609	2727.606	18195.99	0	1	2 No
36	7	1.016185	2507.015	6626.674	1	0	2 No
63	4	8.820408	2881.302	10408.44	1	0	1 No
29	6	8.815526	3442.375	10565.01	2	1	0 No
55	4	7.039176	2906.536	9621.292	0	1	2 No
43	5	11.22719	3607.099	14604.47	2	0	0 No
23	6	3.088437	2928.114	4636.103	2	0	0 No
48	5	4.322481	3099.151	16293.5	0	0	2 No
45	5	1.812242	3147.74	8399.833	2	0	2 No
48	5	5.699752	2889.876	8409.792	0	0	2 No
77	5	6.202724	3081.953	25608.58	0	0	2 No
84	5	13.26829	3455.184	14058.54	2	0	0 No
63	5	4.207486	2260.118	10613.87	1	0	1 No
47	5	16.90111	3301.108	7962.286	0	0	1 No
40	4	17.06618	3557.844	6613.543	1	0	0 No
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42	5	6.937496	3155.099	7562.807	2	0	1 No
77	5	7.255617	3047.964	25531.21	1	1	2 No
35	5	7.416995	3569.34	6907.093	2	0	2 No
20	5	7.07281	3201.72	7447.68	0	1	2 No



32	5	3.559555	2342.813	5584.667	0	0	1 No
38	6	10.69355	3961.502	7306.55	2	0	2 No
35	6	14.40262	3275.523	5899.713	0	0	0 No
49	2	20.29218	3933.598	16044.1	1	0	0 No
64	5	12.04933	3623.139	21458.85	1	0	2 No
23	7	2.706765	3248.145	8772.099	2	0	2 No
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62	5	5.024735	3253.454	21368.69	2	1	1 No
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72	4	2.037565	2714.099	12247.92	2	0	0 No
89	5	6.479144	3614.116	15506.02	2	0	2 No
57	4	7.617939	3518.024	19555.28	2	0	2 No
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30	5	16.06756	3816.182	6148.706	2	1	1 No
70	4	6.708842	3175.767	23321.96	2	0	1 No
53	5	2.880806	2776.06	17966.6	2	0	1 No
86	6	12.17132	3327.053	14631.73	1	0	2 No
74	5	23.56033	3871.314	12042.52	1	0	0 No
75	6	11.44768	3839.763	13299.55	2	0	2 No
87	5	6.520064	2865.721	28128.24	0	0	0 No
22	5	13.42266	3090.393	4027.965	1	0	0 No
50	5	4.338922	2782.767	8809.961	0	0	2 No
54	6	18.55069	4032.839	9419.028	2	0	0 No
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42	6	7.139042	2698.694	13716.48	1	0	0 No
24	4	16.92117	3317.373	4085.411	1	0	0 No
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81	7	8.776873	3679.797	14149.97	2	0	2 No
39	5	1.719929	2296.979	6658.386	1	0	0 No
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69	5	25.07501	4253.542	22608.92	0	0	1 No
48	5	11.87161	3580.461	8581.305	2	0	1 No
50	6	24.00186	3916.336	8359.931	0	0	0 No
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74	6	4.171188	2845.572	12653.72	2	0	1 No
75	4	4.487791	2817.005	12776.27	1	0	2 No
69	4	6.959575	3181.473	12000.92	2	0	1 No
47	5	1.761579	2112.349	15283.72	0	0	0 No
76	4	7.883087	3211.401	25049.64	2	0	0 No
26	4	4.250384	3223.761	5919.724	2	1	2 No
21	6	1.525221	3103.946	8029.154	2	0	2 No
18	6	10.62671	2959	6275.597	0	0	1 No
31	4	8.255697	2679.294	5547.225	0	0	1 No

29	4	16.23071	3404.242	5010.257	1	0	1 No
71	6	13.26619	3767.904	23659.51	1	0	2 No
33	5	13.66588	3766.026	11216.83	2	0	0 No
21	4	5.831155	3126.412	4109.516	2	0	0 No
31	5	6.779012	3149.568	5770.624	1	1	2 No
88	6	5.228198	2969.301	29138.17	2	0	1 No
58	5	2.76628	2142.93	9677.989	0	0	1 No
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74	3	13.43688	3031.878	12243.51	0	0	1 No
22	4	8.09793	3677.615	9126.004	2	1	2 No
20	5	1.329444	3223.756	7790.912	2	0	2 No
53	3	2.771839	3196.148	18380.25	2	0	2 No
56	6	13.09698	3818.114	18917.16	1	0	2 No
41	6	30.03649	4589.484	13464.89	1	0	0 No
18	5	3.939207	2407.33	3214.279	0	0	0 No
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33	5	12.48945	3458.48	6110.867	1	0	2 No
74	6	5.469649	2536.442	24179.45	1	0	1 No
44	5	18.81277	4161.797	14930.17	0	0	2 No
79	6	7.070004	3400.087	26235.41	2	0	1 No
22	5	3.299269	3249.307	8441.77	2	0	2 No
52	7	12.92688	3646.111	17605.33	0	0	2 No
81	6	1.94553	2269.438	13526.41	1	1	1 No
19	7	4.163277	2784.342	3859.106	2	0	1 No
53	5	15.46924	3827.737	9227.662	2	0	0 No
78	6	6.29033	2686.991	12998.9	0	0	1 No
42	4	12.54348	3555.016	14286.37	0	0	2 No
41	5	16.06538	3344.953	13665.83	0	0	1 No
28	3	3.399098	2476.298	9335.554	1	0	0 No
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32	5	10.80128	3401.42	11176.42	0	0	2 No
23	5	15.25971	3331.655	4159.841	0	0	1 No
63	3	11.20273	3503.614	11006.65	2	0	1 No
70	6	5.664416	2986.71	12525.19	2	1	0 No
56	6	9.008411	2739.543	9558.16	0	0	1 No
49	6	16.35887	3503.884	16174.11	0	0	0 No
51	4	16.29214	4177.027	9479.669	2	0	2 No
69	4	15.88858	4374.901	12257.06	2	0	2 No
29	5	9.20635	2756.73	5054.212	1	1	0 No
76	5	5.435917	2485.367	24881.54	1	0	1 No
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74	4	5.344447	2894.619	24637.46	1	0	2 No
22	4	6.280303	2774.125	7335.478	1	0	0 No
39	5	9.101642	2815.706	6708.422	1	0	1 No
24	4	1.252861	2411.119	8299.901	1	0	1 No
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45	5	9.721261	3360.013	8239.639	2	0	1 No

22	7	2.472558	2950.344	8021.371	2	0	1 No
88	5	11.55537	3565.918	15060.21	2	0	0 No
27	4	15.83487	4505.321	9940.387	2	0	2 No
19	3	3.234264	3181.395	4348.177	2	0	2 No
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62	6	14.87895	4157.75	11212	2	0	2 No
32	5	12.77232	3034.754	5294.831	0	0	0 No
73	6	6.666479	3060.04	12955.44	2	1	0 No
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89	4	2.498242	2145.532	14635.29	0	0	1 No
79	5	8.009512	3366.389	26266.2	2	0	1 No
87	5	7.690641	3797.628	15281.04	2	0	2 No
62	4	7.851786	2644.839	10330.15	0	0	1 No
83	3	3.060267	2955.962	14174.14	2	0	1 No
18	5	19.4929	4524.504	4036.638	2	0	2 No
68	4	13.1001	3599.468	11710.64	2	0	1 No
61	4	6.479755	3124.567	11059.25	2	1	0 No
77	6	9.464869	3702.829	13596.72	2	0	2 No
82	4	6.142188	3137.28	27124.25	2	0	1 No
73	7	5.123502	2848.399	12510.04	2	0	1 No
26	4	1.680878	2345.454	8619.252	0	0	0 No
58	6	22.42547	4325.765	9948.282	2	0	0 No
46	4	7.353622	3281.316	8171.068	2	0	1 No
71	6	18.72409	3996.211	12029.28	2	0	0 No
47	6	4.82479	2821.61	8249.211	0	0	2 No
56	6	6.098978	2639.006	18414.74	1	0	1 No
86	4	23.72513	4946.42	15684.83	2	1	2 No
88	5	1.043183	2282.359	28943.99	0	0	1 No
62	8	13.14577	3690.481	20660.81	0	0	2 No
84	6	9.043336	3262.671	14194.14	2	0	1 No
64	6	3.814215	3395.757	11577.61	2	0	2 No
29	5	14.30734	3652.645	10758.9	2	1	1 No
86	5	20.89004	3784.148	14027.78	0	0	0 No
40	4	4.798729	2892.838	7156.08	2	0	1 No
32	6	3.450484	2915.985	5987.78	2	0	1 No
48	5	4.391655	2544.629	15751.12	1	0	0 No
69	5	20.55343	4089.068	11967.02	0	0	2 No
37	5	9.596038	2912.353	12247.49	1	0	1 No
57	6	4.01887	2857.656	9907.874	2	0	0 No
86	6	6.156835	2909.442	14677.81	1	1	2 No
40	3	20.2371	3574.451	6776.649	1	0	1 No
48	5	5.313331	3034.312	8486.326	2	0	0 No
78	5	4.96935	2603.317	12897.37	1	0	0 No
68	4	7.540654	3326.328	12445.88	2	1	1 No
66	5	4.873893	3256.063	11785.7	2	0	2 No
23	6	20.55369	4749.212	8553.328	2	0	2 No
61	4	12.07061	3600.26	10583.06	2	0	1 No

37	4	18.82485	4163.756	12767.35	0	0	2 No
87	7	23.54397	4455.472	28764.61	0	1	2 No
40	6	4.881381	3011.933	13793.13	2	0	1 No
58	6	13.14586	3585.14	10128.67	1	0	2 No
55	3	8.284304	3402.341	18538.76	2	0	1 No
83	5	11.55313	3414.256	27559.29	1	1	2 No
63	4	5.125258	2787.962	11478.67	2	1	1 No
89	5	6.647309	2907.836	15055.19	0	0	2 No
22	6	6.338817	3394.882	4678.962	2	0	2 No
85	6	9.034395	3266.588	28143.17	0	0	2 No
63	6	4.648552	2321.724	10502.43	1	1	1 No
68	4	7.500522	3455.76	12725.7	2	1	2 No
72	5	3.860263	2744.892	12227.2	2	0	0 No
33	5	4.309615	2479.195	10993.95	1	0	1 No
72	5	10.90597	2906.395	11946.03	0	0	1 No
49	7	10.12397	3330.078	9199.747	2	1	1 No
79	6	8.233305	4029.161	26655.54	2	0	2 No
40	6	2.720462	2724.389	7321.869	0	1	2 No
18	6	15.01775	3171.354	3132.26	1	0	0 No
50	4	4.760651	2997.871	9360.328	2	1	1 No
81	5	2.495577	3338.994	27757.71	2	1	2 No
52	6	4.673448	2572.84	17167.32	1	1	0 No
51	5	3.129323	2273.413	8697.278	0	0	1 No
54	6	17.5628	3927.328	9542.167	2	0	0 No
67	5	19.55887	4044.696	22265.39	1	0	2 No
28	5	21.46167	4198.963	5228.954	0	0	2 No
24	4	11.47977	3055.791	8086.93	0	1	0 No
85	5	7.891793	2805.214	14002.8	1	0	1 No
75	5	5.271297	2667.343	24756.37	1	0	1 No
43	6	9.966341	3902.659	14989.34	2	0	2 No
44	6	12.79568	3962.486	8321.538	2	0	2 No
32	7	10.44355	3063.515	10851.61	0	0	1 No
29	5	15.10949	3751.775	5226.582	2	0	0 No
75	3	7.642263	3335.396	25624.44	2	1	1 No
38	4	7.63428	3623.817	7279.044	2	0	2 No
34	7	6.123448	3071.747	6404.969	0	0	2 No
20	5	20.42546	4216.439	7254.279	0	0	2 No
27	6	16.6245	3350.393	4709.811	1	0	1 No
66	7	1.205946	2612.549	12073.48	2	1	1 No
38	7	10.03507	3776.659	13565.95	2	0	2 No
18	7	10.24804	2831.172	3285.031	1	0	1 No
51	5	7.368958	3470.446	10211.31	2	1	2 No
46	5	8.979622	3312.739	15673.43	0	0	2 No
45	5	1.859534	2752.96	15305.36	2	0	1 No
71	4	33.07107	5077.781	11974.27	2	0	0 No
33	3	5.687638	2560.535	5602.546	1	0	0 No
77	5	3.165146	2452.232	12656.58	1	0	1 No

89	6	17.27002	4414.317	15437.9	2	0	2 No
78	5	6.064904	3185.013	25976.72	2	0	1 No
65	4	14.98448	3435.522	21184.02	0	0	1 No
32	5	6.383457	3122.228	11242.59	0	1	2 No
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62	3	4.377325	2797.042	10808.89	0	0	2 No
66	5	18.26561	3570.008	10757.87	1	0	0 No
68	5	5.74789	3551.87	12117.19	2	0	2 No
48	7	4.348565	3294.912	8936.357	2	0	2 No
42	6	18.30127	4000.107	7542.09	2	0	1 No
64	5	14.3442	3420.7	20860.48	0	0	1 No
43	5	10.41272	4032.481	8051.165	2	0	2 No
71	5	8.495623	3262.56	23601.37	2	0	1 No
57	4	6.282727	3510.548	10412.37	2	0	2 No
74	7	12.40478	3224.668	12452.21	0	0	1 No
62	5	17.27405	3685.133	20469.83	1	0	1 No
87	6	5.348764	3027.206	14888.41	2	0	1 No
29	6	13.7282	3553.449	6061.229	2	1	0 No
36	5	1.259158	2718.388	12412.68	2	0	1 No
21	4	4.599775	3364.775	5236.129	2	1	2 No
69	6	3.519399	3340.264	23288.63	2	0	2 No
87	5	4.424039	3402.05	29129.06	2	0	2 No
70	5	7.069507	3192.124	23229.61	2	0	1 No
46	6	4.762722	3102.879	15755.87	2	0	1 No
37	4	8.701726	3362.526	12628.12	2	0	0 No
68	6	3.721528	2779.521	11652.2	0	0	2 No
79	5	13.80945	3845.117	26821.39	2	1	0 No
88	4	11.46597	3452.332	14704.15	2	0	0 No
83	6	4.708328	2936.487	27647.87	1	1	2 No
68	3	13.57259	3441.87	11807.76	1	1	2 No
57	4	6.833197	3193.9	19066.21	2	0	1 No
32	5	8.453179	3205.47	5803.958	2	0	0 No
56	5	3.852192	3183.258	10911.8	2	1	2 No
47	5	8.370206	2758.299	7952.218	1	0	1 No
61	4	28.06123	4723.028	10610.42	0	0	2 No
36	5	9.235875	2698.568	6370.534	1	0	1 No
52	5	1.339347	3235.411	18549.14	2	1	2 No
46	4	16.44041	4264.379	8711.373	2	0	2 No
35	4	16.66668	4405.253	12430.53	2	0	2 No
78	6	13.84163	3296.884	13044.67	1	1	1 No
32	5	18.1308	4032.744	5922.932	2	0	1 No
88	4	8.026527	2738.983	14597.61	0	0	1 No
53	3	11.03674	3489.112	9224.383	2	0	0 No
72	5	2.324302	2899.654	23942.08	2	0	1 No
60	6	16.44467	3862.145	10586.47	2	0	1 No
84	6	8.637586	3188.077	27792.27	2	0	1 No
89	6	16.35069	3256.007	14727.41	1	0	1 No

48	5	8.603416	3402.956	16303.72	2	0	1 No
54	5	11.76687	3805.335	9869.059	2	0	2 No
78	4	6.3259	2684.784	12861.12	1	1	0 No
25	6	1.663891	3269.879	9402.554	2	0	2 No
68	5	22.12241	3834.289	11293.64	0	0	1 No
84	7	1.388694	1969.472	13774.09	1	0	1 No
58	5	10.73796	4098.603	20504.77	2	1	2 No
20	4	3.648977	2516.081	3473.872	0	0	0 No
26	6	8.876703	2803.053	4569.68	1	0	1 No
18	4	1.280218	2035.787	3250.967	1	0	1 No
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36	6	3.129273	2808.689	12402.29	2	0	1 No
68	5	14.91768	3787.8	22518.33	2	0	0 No
36	5	8.492386	2773.432	6171.662	1	0	1 No
82	6	6.795584	3103.961	13850.45	2	0	0 No
60	4	6.667197	3241.563	10641.8	2	0	1 No
76	5	19.53558	3871.604	24656.86	0	0	0 No
47	5	4.148166	2424.451	8016.622	0	1	0 No
55	5	1.008401	1938.312	9104.545	1	0	0 No
23	6	1.841298	2514.042	4597.41	0	0	2 No
30	4	5.417491	3563.345	11568.23	2	1	2 No
36	4	6.580547	2706.55	6271.622	0	0	1 No
24	6	11.34697	3771.831	5140.701	2	0	2 No
77	4	4.017915	2598.399	13179.71	1	0	2 No
25	5	8.929588	3519.048	8859.016	2	0	1 No
71	4	20.76549	3557.165	11785.45	0	0	1 No
68	7	15.21125	3871.091	22726.23	1	0	2 No
73	6	7.312097	3552.644	24682.74	2	0	2 No
83	6	22.22452	4405.815	14741.79	2	1	1 No
36	6	8.422895	3301.374	6648.428	2	0	0 No
89	5	16.81385	3941.165	14967.46	2	0	0 No
48	6	8.517486	3238.818	16987.72	2	1	1 No
42	4	21.72031	4439.246	7593.591	2	0	1 No
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83	7	15.5801	3780.393	14301.75	2	0	0 No
88	7	10.54354	3424.617	14922.11	1	0	2 No
87	6	11.09013	2978.639	14375.46	1	0	1 No
37	7	9.098731	3917.683	13184.12	2	0	2 No
55	6	1.168586	3023.049	10057.15	2	0	2 No
87	5	3.358099	2459.941	28241.31	1	0	0 No
57	5	2.657123	2385.14	9588.813	1	0	1 No
75	5	13.8812	4356.153	25240.98	2	0	2 No
81	5	3.28219	2754.893	13763.98	0	0	2 No
56	4	3.421531	2840.574	9890.181	2	0	1 No
41	5	5.675869	2625.29	13641.61	0	0	1 No
29	4	12.03623	3107.159	5073.462	0	1	1 No
58	6	15.79758	3270.366	9684.547	0	0	1 No

51	6	12.01687	3532.75	8980.763	2	0	1 No
37	6	8.799282	2708.311	6238.313	0	0	0 No
76	6	1.151902	2706.348	25202.68	2	0	1 No
45	5	5.112786	2974.466	16024.86	2	1	0 No
55	4	28.19848	5297.433	10029.64	2	0	2 No
44	6	8.540812	3214.52	7849.905	2	0	1 No
20	5	1.603799	2984.866	4440.086	2	0	2 No
24	6	4.707317	2912.938	8584.869	0	1	2 No
29	5	2.969287	2343.838	9519.017	0	0	0 No
58	3	2.753624	2858.885	10727.26	2	1	1 No
55	3	15.89158	3924.47	9722.312	2	0	1 No
65	5	6.255448	3354.642	11676.3	2	0	2 No
38	6	5.163642	2425.479	6405.451	1	0	0 No
30	3	15.55246	3777.227	5673.721	2	0	1 No
69	4	15.58426	3780.734	11786.62	2	0	0 No
61	6	9.304095	2689.994	10441.71	0	1	1 No
23	6	1.013973	2338.902	4294.997	0	1	1 No
26	7	5.039196	3414.434	5441.46	2	0	2 No
80	4	13.9613	3144.471	13098.36	0	0	0 No
67	5	7.334582	3813.221	22802.34	2	0	2 No
37	6	22.26459	4785.92	7135.901	2	0	2 No
49	5	3.23332	2718.086	8748.444	2	0	1 No
57	4	4.66806	3163.994	10299.3	2	0	2 No
87	5	20.65354	4567.8	15776.74	2	1	2 No
49	6	4.606306	2364.748	8160.309	1	0	1 No
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39	4	6.342879	3212.893	13349.26	0	0	2 No
83	4	6.61137	3235.861	27502.65	1	0	2 No
23	4	9.666797	3753.684	4921.829	2	0	2 No
74	6	7.31991	3466.427	13203.82	2	0	2 No
38	6	2.779698	3267.316	14236.03	2	1	2 No
65	6	23.45046	4483.088	21624.87	1	0	2 No
58	5	5.265515	3288.152	10583.33	2	0	2 No
18	5	7.139461	3338.513	3607.324	2	0	0 No
35	6	5.998026	2945.589	6469.524	2	0	1 No
41	7	4.95503	2394.222	6951.389	1	0	1 No
42	4	6.023344	2764.44	13961.87	0	0	1 No
23	6	10.73391	2820.345	4106.697	1	1	1 No
21	4	21.60401	4542.04	8026.599	2	1	0 No
39	7	1.231315	2618.179	13513.88	0	0	2 No
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86	4	8.4767	2723.153	28116.57	1	1	1 No
34	5	2.45014	2741.673	11779.21	2	0	1 No
32	6	9.528499	3576.065	11167.39	2	0	0 No
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37	5	8.510965	3309.333	12804.84	2	0	1 No
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89	5	13.53526	3509.861	15085.97	1	0	2 No
40	6	11.43273	3924.652	7897.985	2	0	2 No
72	5	1.832077	2246.488	11975.17	0	1	1 No
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66	5	25.30578	5053.442	22358.63	2	0	2 No
82	6	15.8435	3811.918	13826.46	2	0	0 No
26	6	7.928317	2868.725	8592.296	1	0	0 No
77	7	7.801053	2850.422	25140.23	1	0	1 No
81	4	9.759131	3239.602	14523.05	2	1	1 No
30	4	7.931449	3117.503	10491.45	1	0	2 No
58	6	12.15422	3058.411	9916.221	1	1	0 No
72	4	21.93176	4893.465	12862.25	2	0	2 No
70	4	14.64736	3714.878	12657.51	2	1	1 No
62	5	15.06212	4415.795	11895.73	2	1	2 No
39	3	10.25106	3571.369	13414.58	2	0	1 No
85	5	6.549179	3049.461	14301.41	2	0	0 No
79	7	22.7298	4384.11	13341.2	2	0	0 No
52	4	3.931593	2834.537	9082.901	1	0	2 No
31	5	4.525265	2553.051	10438.99	0	0	1 No
86	7	18.25243	3463.574	27937.02	0	0	1 No
37	6	8.700535	2714.383	6233.336	1	0	1 No
49	6	11.10393	3349.792	8472.267	2	0	0 No
46	6	2.838306	2728.267	8198.422	0	0	2 No
84	6	12.9212	3765.589	27721.52	2	0	0 No
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32	5	6.222311	3703.067	11528.03	2	0	2 No
37	5	1.188553	2732.291	13286.93	2	1	1 No
23	6	1.967494	2151.782	4136.159	0	0	1 No
38	5	11.42634	3022.876	6455.487	1	0	1 No
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61	5	19.76487	4008.933	10528.13	0	0	2 No
18	5	6.050085	3475.672	6986.085	2	0	2 No
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33	6	4.391958	3041.896	6463.311	2	0	1 No
40	4	4.888137	2956.059	14190.62	2	1	0 No
84	5	7.155531	2846.298	27368.44	0	0	1 No
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55	6	12.83624	3565.51	9619.576	2	0	1 No
85	6	14.96929	3649.402	14619.92	1	1	2 No
88	5	20.15771	4766.436	29445.54	2	0	2 No
72	7	15.31924	3337.433	11884.46	1	0	1 No
35	6	12.82546	3590.16	6404.676	2	0	1 No
23	5	3.204848	2372.623	4325.782	1	1	1 No
24	5	8.477538	3147.786	5455.492	2	1	1 No



53	5	2.784666	2895.576	9243.634	2	0	1 No
51	5	2.638	3348.795	17585.49	2	0	2 No
19	6	19.44469	3867.409	6637.025	0	0	1 No
67	5	8.189567	3244.452	12022.73	2	1	0 No
32	4	6.626633	2652.997	5544.7	0	0	0 No
42	6	17.1205	3878.31	14317.15	0	0	2 No
52	3	1.751418	2605.507	9260.972	2	0	1 No
30	4	17.78144	3518.972	9974.878	0	0	1 No
60	3	14.54807	4128.112	10921.62	2	0	2 No
46	4	20.03064	4290.793	15725.08	2	0	1 No
44	4	10.76569	3176.479	7554.129	1	1	1 No
32	4	1.685897	2637.779	6586.218	2	1	1 No
25	4	8.709955	2767.798	8431.862	1	0	1 No
28	6	12.79203	4035.062	6240.886	2	1	2 No
89	6	3.838803	3101.92	29315.77	2	0	0 No
55	5	7.93394	3197.235	9548.824	2	0	0 No
33	6	6.516127	3472.518	6445.354	2	0	2 No
21	5	4.055997	3426.479	5178.388	2	1	2 No
31	6	1.696534	2638.65	6211.03	2	1	0 No
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26	6	17.09475	3470.644	4580.015	0	0	1 No
70	5	23.14682	3966.538	11775.51	1	0	1 No
43	5	5.231333	2404.591	7239.142	0	0	0 No
53	6	1.204787	3161.738	18896.4	2	1	2 No
78	5	9.316716	3131.401	13436.08	2	0	1 No
34	5	15.61959	4499.494	12106.99	2	0	2 No
68	2	18.75588	4092.352	22661.04	2	0	1 No
37	7	7.556157	3411.203	13314.44	2	1	1 No
24	6	13.94826	3667.996	4641.562	2	0	1 No
54	5	7.780938	3265.52	18287.02	0	0	2 No
89	5	9.397069	2951.952	14697.82	1	0	0 No
22	6	3.080749	2860.156	4136.577	2	0	0 No
24	4	1.992026	2244.529	4176.567	1	0	1 No
57	6	11.70603	3801.251	10299.3	2	0	2 No
26	5	22.89047	3843.605	8940.11	1	0	1 No
24	6	1.159005	3115.286	4962.233	2	0	2 No
49	5	13.48815	3863.849	16337.74	2	0	0 No
25	6	3.048124	2263.508	4450.218	1	0	1 No
50	5	13.58069	3746.775	16787.04	2	0	1 No
47	5	4.970059	2906.191	8400.169	1	0	2 No
66	4	21.30555	4741.485	12404.54	2	1	2 No
63	4	27.09906	4720.559	11001.57	1	1	2 No
48	4	10.08849	3363.225	8698.871	0	1	2 No
58	6	3.873506	3090.6	19722.14	2	0	1 No
44	7	17.99669	4499.324	8892.47	2	1	2 No
73	3	5.136514	3123.106	24293.13	2	0	1 No
54	6	2.65896	2864.143	18156.93	2	0	1 No

41	5	13.80454	3849.819	13904.54	0	0	2 No
45	5	6.267112	3449.588	8341.543	2	0	2 No
31	5	8.879355	3314.211	5630.03	2	0	0 No
22	4	1.878219	2854.259	8004.746	2	0	1 No
88	5	9.353792	3000.21	14618.06	0	0	1 No
27	6	7.104127	3233.689	9540.659	2	0	1 No
36	4	5.345769	3048.398	12436.75	0	0	2 No
75	5	11.67222	3605.315	24993.43	0	1	2 No
50	5	7.062434	3040.073	8907.23	0	1	2 No
58	5	1.650291	2815.867	10132.99	2	0	0 No
40	5	11.17916	3863.44	7617.645	2	0	2 No
43	4	6.243389	3081.116	7606.886	0	0	2 No
69	5	9.215098	3320.543	23114.77	2	0	1 No
69	5	2.502002	2632.698	11960.07	2	0	1 No
63	6	18.26246	4072.131	10966.99	2	0	0 No
42	4	10.62825	3406.03	14433.5	1	0	2 No
49	6	2.824394	2872.921	8695.148	0	1	2 No
81	6	15.35695	3746.586	13788.13	2	0	1 No
29	5	8.925165	3351.628	10328.4	1	0	2 No
70	6	1.336685	2768.387	23277.68	0	0	2 No
66	5	2.947254	2817.236	11519.49	2	0	1 No
63	5	13.2778	3149.954	20883.77	1	1	1 No
84	6	16.33223	3791.383	14202.4	2	0	0 No
23	4	19.04375	4742.942	5055.349	2	0	2 No
20	5	1.530107	2625.915	3999.238	2	0	1 No
73	5	10.27285	3717.229	12868.6	2	0	2 No
48	6	3.89176	2831.274	8468.082	0	0	2 No
19	5	16.06095	3317.48	3480.174	1	0	1 No
72	3	11.80042	3063.272	12080.7	0	0	0 No
85	7	6.209863	3289.521	28061.03	2	0	1 No
81	3	18.65413	3616.006	13255.66	0	0	0 No
46	5	1.13723	3132.803	15922.62	2	0	2 No
66	6	20.03702	4194.554	21911.07	1	0	2 No
30	4	5.089605	2556.301	10212.72	0	1	1 No
22	4	13.09246	3341.948	4316.969	0	0	2 No
79	6	7.616213	2726.205	12917.37	0	0	0 No
72	6	8.052334	3673.594	13378.41	2	1	2 No
48	6	11.41756	3090.613	8028.932	1	0	0 No
45	5	5.952986	3404.162	9278.925	2	1	2 No
38	5	20.78126	3705.153	6599.342	0	0	1 No
88	5	2.699715	3077.915	15311.92	2	0	2 No
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57	4	18.88971	4160.646	18933.89	2	0	0 No
24	6	4.775323	2527.576	4287.558	0	0	0 No
30	5	5.309659	2878.274	5523.962	2	0	0 No
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66	6	16.69894	3941.248	11413.32	1	0	2 No

68	5	3.829512	2573.313	22091.49	1	0	0 No
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87	4	15.19426	4172.283	15178.3	2	0	2 No
67	4	19.12907	4222.545	11621.86	1	0	2 No
58	6	14.06935	3832.489	10313.53	2	0	1 No
41	5	7.433951	3781.275	14352.09	2	0	2 No
61	5	1.359784	2830.566	21027.98	2	1	1 No
37	5	11.8695	3434.561	6677.615	2	0	1 No
49	7	2.817027	3011.519	16504.12	2	0	1 No
39	5	16.02156	4009.881	13414.58	2	0	1 No
37	5	25.08056	4460.012	6951.56	1	0	2 No
23	5	7.620482	3210.16	5070.236	2	1	0 No
29	5	26.98745	4212.774	5061.758	1	0	1 No
24	4	7.670129	2735.247	4218.885	0	0	0 No
19	4	8.273253	2712.714	3370.382	0	0	1 No
31	4	10.36334	3622.363	10802.19	2	0	0 No
27	7	7.791604	3540.192	5591.66	2	0	2 No
89	5	23.02792	4740.313	16190.26	2	1	2 No
59	7	3.599667	2895.543	19625.91	2	0	0 No
55	5	13.3043	3066.073	9308.504	1	0	1 No
55	5	1.641919	2497.706	9677.715	0	0	2 No
57	4	17.34525	3862.416	19032	1	0	2 No
34	4	4.740825	2802.459	6161.656	1	0	2 No
53	6	2.507843	2781.231	9288.079	2	0	1 No
72	7	11.41938	3871.754	12769.59	2	0	2 No
48	6	12.53925	3108.746	8195.97	1	0	0 No
20	6	4.053179	2954.457	4598.874	2	1	0 No
28	6	9.744871	2931.518	4880.46	1	0	1 No
19	6	10.06755	3738.047	4166.434	2	0	2 No
74	6	6.704867	3077.741	12691.07	2	0	1 No
76	3	9.791303	2717.644	12667.36	0	0	1 No
26	5	9.50475	2877.696	4549.23	0	0	1 No
48	4	1.624758	2999.778	8997.926	2	0	2 No
44	4	12.64321	3655.054	7632.02	2	0	0 No
31	4	5.125601	2275.667	5269.85	1	0	1 No
84	6	25.70691	4436.13	14328.01	1	0	2 No
23	4	1.544841	2371.948	7723.866	1	0	0 No
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85	4	1.300508	2229.662	14055.5	0	0	0 No
44	6	8.775929	3671.844	8180.962	2	0	2 No
44	5	16.5808	3687.455	7856.543	0	0	2 No
68	9	1.16667	2571.15	11682.98	1	0	2 No
22	5	1.857415	2792.874	8048.877	2	0	1 No
32	4	1.330275	2715.825	5742.388	2	0	0 No
48	5	5.164743	2339.455	8082.9	1	0	0 No
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27	5	9.800665	2916.849	9096.38	0	0	1 No
74	5	7.139177	2594.325	12155.59	0	0	0 No
66	7	4.134025	3006.139	11300.4	2	0	1 No
78	6	4.199017	2937.689	13405.3	2	0	1 No
35	6	2.59791	3226.671	6835.189	2	0	2 No
41	6	1.36025	2311.306	13672.39	1	0	1 No
62	4	4.777517	3431.013	21169.94	2	0	2 No
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56	5	1.038546	2061.043	9284.377	0	0	1 No
70	6	4.912216	3356.003	23608.89	2	0	2 No
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62	5	7.927794	3344.17	20804.82	2	0	1 No
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62	6	8.285043	3177.813	10808.89	0	0	2 No
31	5	2.376343	2711.099	10921.01	1	0	2 No
48	3	2.015227	2626.516	8709.207	1	1	2 No
19	5	4.606416	2731.766	3958.364	1	0	2 No
33	5	6.677802	3448.929	6527.64	2	0	2 No
56	5	8.864731	3264.957	19079.51	0	1	2 No
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37	6	13.03131	3676.452	6708.4	2	0	1 No
61	4	9.347587	3458.861	10567.32	2	0	0 No
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36	4	8.930676	3193.76	7142.978	2	1	1 No
67	6	6.449888	3454.819	11871.05	2	0	2 No
31	6	8.906606	3780.711	11354.91	2	0	2 No
71	5	5.527144	2914.881	12661.23	2	1	0 No
19	5	11.39524	3635.933	7025.974	2	0	1 No
41	4	18.32684	4063.79	7532.315	1	0	2 No
86	7	6.195197	3228.191	14946.6	2	0	1 No
27	6	7.064	2580.222	4584.279	0	0	0 No
71	6	12.83214	3079.127	23105.59	1	0	1 No
66	5	3.835098	3181.857	11857.6	2	0	2 No
61	6	14.74891	3808.803	10747.37	2	0	1 No
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56	5	3.605054	2641.494	18486.69	1	0	1 No
31	4	18.73991	3997.507	5674.161	2	0	0 No
78	4	2.44458	3419.962	26232.55	2	0	2 No
34	6	5.821568	2658.983	5967.399	0	0	1 No
66	7	4.805889	2309.15	10819.44	0	0	0 No
24	6	6.252627	2439.963	4228.068	1	0	1 No
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38	7	15.67741	3836.856	13659.58	2	1	0 No

81	5	6.769923	3095.626	26856.37	2	0	0 No
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53	6	4.604806	2505.666	17505.19	0	0	1 No
55	4	9.493073	3487.048	18555.38	2	0	1 No
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69	5	10.55295	3926.8	12377.23	2	0	2 No
41	5	1.346915	2041.252	6944.333	1	0	1 No
31	5	4.127253	3506.62	6907.651	2	1	2 No
88	4	2.283892	2686.777	14786.43	2	0	0 No
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80	4	9.411423	3759.489	14116.12	2	0	2 No
27	5	2.787406	2824.149	9516.511	1	0	2 No
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24	6	18.22831	4019.918	8696.304	0	0	2 No
23	5	3.262315	3133.956	5551.051	2	1	2 No
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47	5	6.733632	3041.85	8465.017	1	0	2 No
66	7	33.59628	5533.505	21976.07	2	0	1 No
81	5	14.39625	3814.501	26620.16	2	0	0 No
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67	6	9.439091	2816.631	21919.73	1	1	0 No
25	4	11.02629	3330.716	4713.148	1	0	2 No
38	6	1.661951	2326.084	12605.64	0	0	1 No
52	4	4.905374	3013.899	17301.8	2	0	0 No
68	6	3.367626	3296.256	12664.13	2	1	2 No
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79	6	5.519893	3026.611	26225.03	2	0	1 No
56	7	4.563491	3324.619	10176.61	2	0	2 No
61	6	6.619205	3298.467	20627.99	1	0	2 No
65	5	19.66982	4163.986	22269.06	2	1	0 No
78	6	3.64431	2468.312	13010.06	0	1	1 No
55	6	2.345355	2133.005	9298.436	0	0	1 No
88	4	3.462216	2397.423	28550.03	0	0	1 No
73	3	16.96675	4059.954	12499.7	2	0	1 No
23	5	6.618399	2656.101	7794.618	0	0	1 No
74	5	6.992883	3182.135	12691.07	2	0	1 No
60	4	14.83911	3232.888	10154.21	0	1	1 No
32	6	6.092012	2960.559	5922.78	1	0	2 No
83	6	13.83865	3267.859	26979.51	0	0	1 No
29	5	9.206243	3182.029	5257.366	2	0	0 No
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43	5	12.56857	3708.618	7698.843	2	0	1 No
66	4	7.781962	2836.587	21629.06	0	1	1 No
68	6	8.121938	3204.094	22667.94	0	0	2 No

46	8	14.00363	3147.939	7675.287	0	0	1 No
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74	5	15.1131	3847.029	13361.41	2	1	1 No
38	6	19.70836	4030.736	7007.763	0	1	2 No
59	6	4.337005	2723.374	10129.58	2	0	0 No
29	4	16.23365	4136.773	10345.49	2	0	1 No
78	4	13.74551	3678.561	26058.69	2	0	1 No
81	6	11.01661	2904.09	13454.46	0	1	1 No
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63	5	7.539662	2548.673	10477.12	0	0	1 No
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52	4	12.77969	3841.492	17813.92	2	0	1 No
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71	8	2.381547	2758.612	12178.54	2	0	1 No
37	3	4.202512	2312.354	12341.48	0	1	1 No
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44	4	4.812494	2856.325	8473.224	2	1	0 No
67	6	3.665249	2766.972	22344.4	1	0	2 No
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64	6	8.812413	3615.897	21769.61	2	0	2 No
37	4	13.95693	3669.675	6627.58	2	0	0 No
23	6	12.16171	3181.29	7799.595	0	0	0 No
74	6	2.902049	2401.261	24127.5	1	1	0 No
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88	7	24.52487	4363.841	14863.82	1	0	2 No
65	6	16.82056	3767.682	11228.75	0	0	2 No
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89	5	5.348344	2524.858	14716.58	1	1	0 No
42	4	5.320906	3025.891	7478.441	2	0	0 No
78	5	6.746549	3074.477	13292.22	2	0	1 No
53	4	6.94256	3595.217	18191.95	2	0	2 No
66	4	15.72289	4339.223	22450.98	2	0	2 No
78	5	14.81048	3253.499	25621.2	0	0	1 No
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54	6	21.22048	4470.242	9469.063	2	0	1 No
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64	5	21.1383	4492.969	21391.53	2	0	0 No
49	5	31.78056	5364.973	17318.37	2	1	1 No
45	5	7.252803	3726.922	15992.49	2	0	2 No
82	6	7.881628	3240.335	13965.33	2	0	1 No
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63	5	20.00248	3554.326	10276.12	1	0	0 No
19	6	18.18695	3891.01	3939.284	1	1	2 No
76	5	1.893362	2070.504	12703.06	1	1	1 No
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83	5	1.333257	3229.593	27772.28	2	0	2 No
46	5	12.01534	3009.39	7750.517	1	0	1 No
87	6	13.22933	3545.982	14850.53	2	0	1 No
82	6	1.100579	2798.642	13975.72	2	0	1 No
54	4	1.795751	2174.829	17703.47	1	0	0 No
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75	5	16.45742	3678.247	12776.27	0	0	2 No
31	4	5.563509	3093.291	10708.63	2	0	1 No
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88	5	15.13495	3739.765	14980.32	2	0	1 No
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47	5	3.81413	3445.164	16235.77	2	0	2 No
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41	4	11.20078	3793.261	7781.504	2	0	2 No
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86	6	3.505355	3446.819	15171.96	2	0	2 No
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87	6	5.567885	2623.574	14289.9	0	0	1 No
47	5	1.903347	2708.239	15782.78	2	0	0 No
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58	7	11.42656	3464.626	10051.02	2	0	0 No
67	4	13.48235	3685.563	11613.11	1	1	2 No
26	5	12.04866	3427.201	4972.792	2	0	1 No
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82	4	19.83696	4225.706	14119.57	2	0	1 No
86	6	2.064893	2809.874	28372.43	2	0	0 No
58	7	10.38112	3596.189	19849.31	2	1	0 No
45	5	13.5793	3152.619	14934.36	1	1	1 No
54	7	4.277437	2427.1	9006.079	1	0	0 No
52	6	4.864184	2970.632	9079.622	0	0	2 No
84	4	4.883886	2486.801	13903.79	1	0	1 No
60	6	21.34811	3691.018	10070.56	1	0	1 No

59	4	9.650546	3428.174	19850.59	2	0	1 No
39	4	16.96662	4351.816	7460.342	2	0	2 No
33	5	8.933874	2734.404	5767.288	0	1	1 No
52	5	3.803401	2791.975	17608.76	2	0	1 No
53	5	6.106154	2573.756	8884.92	1	0	1 No
26	4	11.10746	3610.483	9292.348	2	0	1 No
62	5	23.02284	4866.383	21046.8	2	0	2 No
59	5	4.243803	3274.058	10651.25	2	0	2 No
22	3	1.492611	3267.215	8236.345	2	0	2 No
79	5	8.733392	3426.868	26123.49	2	0	0 No
57	4	7.002458	3063.877	10195.6	0	1	2 No
47	5	12.98737	3418.483	8331.497	0	0	2 No
21	4	19.81251	4746.094	8111.173	2	0	2 No
48	5	20.67504	4306.032	16235.36	2	0	1 No
32	7	10.28879	3444.319	6556.632	2	1	0 No
73	6	4.43317	2570.07	23865.97	1	0	1 No
57	4	2.887304	2312.295	9415.372	1	0	0 No
46	5	16.39953	3877.692	8048.814	2	0	0 No
49	5	7.619703	3638.145	9148.172	2	0	2 No
50	6	20.07372	4522.912	16885.95	2	0	1 No
32	4	9.455149	3043.915	5840.494	1	0	2 No
45	5	10.96844	3073.574	15095.38	0	1	1 No
63	6	30.16131	4458.669	10306.91	1	0	0 No
54	6	8.386186	3814.241	18635.66	2	0	2 No
79	4	24.24829	4488.617	26377.16	1	1	2 No
38	6	5.46631	3031.097	6937.501	0	0	2 No
61	6	3.710053	2841.196	10634.3	2	0	1 No
36	6	11.63245	3793.231	6702.056	2	0	1 No
64	5	7.148975	3711.439	21718.1	2	0	2 No
81	4	2.697749	3101.514	26906.72	2	0	1 No
21	4	9.320633	3310.858	4819.826	2	1	1 No
30	5	14.53738	3971.859	10256.05	2	0	0 No
79	5	3.37858	2544.24	25842.32	0	0	1 No
44	4	15.13477	3629.552	7829.037	0	0	2 No
81	5	14.01243	3135.465	13381.19	1	0	1 No
52	3	7.515823	2898.827	17205.65	1	0	1 No
42	5	9.076624	3182.092	7723.681	0	0	2 No
66	6	5.289991	2886.905	22156.8	0	0	2 No
66	5	10.44029	3342.38	11482.77	0	1	2 No
88	5	17.58222	3880.609	14980.32	2	0	1 No
73	5	9.094243	3286.076	24365.03	2	0	1 No
71	6	14.5115	4117.24	12653.95	2	0	2 No
26	5	1.578825	2338.06	8865.194	0	0	1 No
32	4	4.685392	2893.777	5840.494	0	0	2 No
57	7	1.669551	2171.621	9754.441	1	1	1 No
25	4	5.120098	2481.529	8578.996	1	0	1 No
27	5	15.24731	3605.18	9046.077	1	0	0 No



84	4	11.50928	3370.735	14221.65	2	0	1 No
34	6	12.58756	3776.98	12166.32	2	1	0 No
79	5	16.6725	3378.891	13070.1	1	0	1 No
50	5	1.976317	3115.442	17203.66	2	0	2 No
26	6	11.92825	3585.401	9213.688	0	0	2 No
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58	5	11.89663	3560.471	10045.99	2	0	1 No
84	4	4.541464	2425.273	27342.09	1	0	0 No
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58	4	7.481082	2540.62	9605.539	0	0	1 No
78	4	4.069319	3128.684	25973.44	2	0	1 No
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61	5	8.204928	3610.894	11601.63	2	1	2 No
58	4	3.593196	2389.822	9586.289	1	0	0 No
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51	5	7.089705	3155.758	9736.716	2	1	1 No
55	8	8.921708	3291.247	9681.146	2	0	1 No
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67	6	20.70798	4398.097	23052.28	2	1	1 No
70	3	10.05301	3385.783	12124.32	0	0	2 No
73	4	17.96585	4398.412	13467.04	2	1	2 No
23	5	5.439241	3566.028	8669.677	2	0	2 No
73	5	11.15558	3070.574	12140.23	0	1	0 No
71	5	3.416263	3313.48	12629.72	2	0	2 No
74	6	7.51651	3055.847	12865.39	2	0	1 No
69	7	1.914759	3133.859	12298.22	2	0	2 No
36	5	7.14854	3227.386	12495.85	2	0	0 No
24	5	6.879305	3077.711	8588.148	1	1	2 No
51	6	10.27193	3670.384	9028.486	2	0	1 No
37	4	3.602786	2263.214	12298.99	0	0	1 No
20	3	9.785028	3268.413	7179.05	0	0	2 No
86	5	3.977019	2932.694	14659.16	2	0	1 No
37	4	22.19339	4549.96	6739.184	2	0	1 No
43	5	6.914189	3861.395	15837.65	2	1	2 No
84	4	5.583115	3373.855	14669.6	2	0	2 No
58	5	1.457029	2240.322	9707.785	1	1	0 No
88	6	11.26905	3191.737	28809.48	0	1	0 No
34	6	4.221661	3103.604	11560.77	2	0	0 No
85	4	2.684222	2388.262	14054.3	0	0	1 No
45	5	19.59357	4449.259	15305.36	2	0	1 No
82	7	30.57735	4980.997	13992.69	1	0	2 No
43	5	15.26581	4216.625	15023.4	2	0	2 No
19	4	18.4048	4201.89	3678.512	2	0	0 No
42	5	15.63689	3644.424	7525.312	0	0	2 No
67	4	3.03317	2508.521	21904.75	1	0	0 No
63	6	29.06898	4417.639	10779.5	1	1	1 No

63	3	12.14216	3204.055	20790.09	1	0	1 No
56	6	4.987977	2635.738	9428.232	1	0	1 No
53	5	10.58668	3417.24	9440.208	0	1	2 No
37	5	11.08153	3066.574	6304.797	1	1	0 No
83	5	8.531841	3306.807	14030.28	2	0	1 No
85	5	6.072513	2926.159	14437.01	2	0	1 No
68	6	20.49752	4119.963	11713.77	1	0	2 No
31	6	2.14194	2229.629	10408.21	0	0	1 No
36	7	9.454538	2784.041	6155.041	1	0	1 No
41	5	6.511541	3140.367	7371.441	2	0	1 No
47	7	13.15401	3289.032	15694.74	0	1	1 No
69	5	12.65973	3114.895	11518.62	0	1	0 No
24	4	3.665324	2865.807	8416.769	2	0	0 No
66	5	19.74528	4191.302	11376.79	2	0	0 No
88	4	4.539119	2820.242	14957.81	1	1	2 No
42	5	12.15428	3722.691	14413.25	2	0	1 No
68	5	7.939541	2506.235	11192.1	0	0	0 No
76	5	4.025731	2963.862	25325.82	2	0	1 No
25	5	10.54964	3510.751	4750.642	2	0	1 No
31	6	13.57716	4047.657	6295.553	2	0	2 No
59	5	9.670691	3860.101	10682.03	2	0	2 No
56	3	13.52326	3436.738	9352.5	0	0	1 No
43	5	5.510658	3206.479	7795.339	2	0	1 No
26	4	7.678323	2642.896	4559.298	0	0	1 No
81	6	5.44476	2973.362	26828.06	1	0	2 No
63	6	6.681708	3149.986	21230.94	0	0	2 No
85	6	8.611012	3798.739	15059.29	2	0	2 No
18	5	17.94574	3583.27	6254.881	1	0	1 No
37	5	2.31054	2811.669	7246.467	2	1	0 No
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57	4	2.671776	2868.445	19686.56	2	1	0 No
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36	6	10.89639	2932.787	12052	0	1	1 No
38	4	6.302792	2945.027	7433.355	2	1	1 No
69	4	4.89696	3001.555	11844.92	2	0	0 No
28	4	17.77124	3556.678	9520.699	1	1	1 No
81	4	10.35893	3742.615	27791.77	2	1	2 No
22	5	5.485132	2417.449	7495.073	1	0	1 No
73	4	3.971601	2480.508	11995.01	0	0	0 No
22	7	2.303508	2801.609	7724.745	2	0	0 No
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31	5	12.93649	3913.442	6206.478	2	0	2 No
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30	5	3.50998	2827.169	10384.94	0	0	2 No
29	5	15.81087	3721.786	5606.664	1	1	2 No

40	6	7.100379	2860.566	13256.5	1	0	1 No
85	3	13.49549	2961.477	14117.51	1	1	1 No
19	5	7.926429	3285.317	7202.648	0	1	2 No
70	5	12.15512	3144.599	11502.93	1	0	0 No
59	4	9.109553	3439.357	10314.29	2	0	0 No
85	4	13.10442	3667.859	14445.28	1	1	2 No
45	5	2.252176	2126.339	7610.339	1	0	1 No
62	6	7.510304	2775.599	20210.78	1	0	0 No
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88	4	7.025038	2663.887	28663.1	0	0	1 No
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57	5	4.870803	2501.252	9599.195	1	0	1 No
33	5	17.24824	3535.864	11142.72	0	1	1 No
59	5	22.11117	4506.325	19854.1	2	0	1 No
35	5	24.48215	4932.344	7392.46	2	1	2 No
87	4	12.95877	2917.499	14477.88	0	0	1 No
70	5	8.030185	2659.389	11594.08	1	0	1 No
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50	3	15.70668	3740.426	16851.74	1	0	2 No
72	5	6.003068	3591.112	24249.41	2	0	2 No
30	4	11.64335	2956.871	5398.348	1	1	1 No
80	4	18.62391	4060.434	13723.03	0	0	2 No
47	6	2.83572	2358.427	15602.39	0	1	1 No
38	4	10.81896	3519.742	6804.133	2	0	1 No
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65	4	9.26199	3272.644	11623.61	2	1	0 No
24	6	3.519334	3348.196	5058.415	2	0	2 No
89	5	13.88155	3053.691	14779.8	0	0	0 No
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81	6	5.024749	3474.737	27863.72	2	1	2 No
47	6	17.84336	3948.972	8372.349	1	0	2 No
21	6	12.9796	3158.923	3528.439	0	0	0 No
71	5	5.446149	2571.352	23136.38	0	0	1 No
59	5	6.1767	2959.26	10354.25	2	0	1 No
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85	4	15.67358	3849.738	28170.83	2	0	1 No
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45	5	3.384272	2890.164	15253.86	2	0	1 No
40	5	6.409459	3816.786	14089.57	2	0	2 No
54	6	8.923647	3252.864	10036.72	2	1	1 No
45	5	2.052644	2611.402	8714.938	2	1	1 No
24	6	7.167862	2657.256	4165.741	1	1	0 No
39	5	27.67427	4814.715	7087.853	2	0	1 No
70	5	9.914573	3789.347	12551.16	2	0	2 No
37	5	23.46638	4055.828	6315.622	0	0	1 No
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61	5	22.80127	3869.767	10242.84	0	1	1 No
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53	5	4.714177	2594.517	9109.151	1	1	1 No
37	3	10.82491	3340.124	6627.58	2	0	0 No
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76	4	21.43709	4683.806	13494.2	2	0	2 No
44	5	3.537173	2738.145	7849.753	0	0	2 No
20	5	12.52669	3141.115	6851.272	0	0	1 No
29	4	10.44167	3854.749	6070.024	2	0	2 No
52	4	2.29302	2551.055	9052.116	1	0	2 No
38	5	14.41272	3816.79	13409.12	1	0	2 No
58	6	17.3831	4197.547	20081.09	2	1	1 No
66	3	1.345688	2608.316	11579.26	1	1	2 No
89	6	7.367593	2643.645	29094.04	1	0	0 No
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87	4	15.64506	3429.588	14385.09	1	1	0 No
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42	7	3.059062	3022.507	14188.26	2	0	0 No
86	4	4.824439	3237.389	14918.26	2	0	2 No
87	6	1.416369	2484.063	15234.36	2	1	0 No
76	5	6.792298	2652.017	12578.29	1	0	1 No
32	3	15.18911	3824.51	5932.848	1	0	2 No
42	4	16.27784	3447.507	13685.69	1	0	0 No
18	6	6.09647	3014.236	3767.151	2	0	1 No
55	4	13.29414	3512.144	9894.844	0	1	2 No
46	5	12.82905	3790.542	8957.492	2	1	1 No
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51	2	16.47326	3573.1	16917.06	0	0	0 No
68	4	24.79556	4578.84	11737.92	2	0	1 No
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66	4	12.49589	3467.098	12035.64	2	1	1 No

27	4	5.460886	3300.102	9387.621	2	0	0 No
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74	6	7.049203	3174.479	12865.71	2	0	1 No
42	7	13.29638	3443.803	7538.659	1	0	2 No
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27	6	13.89272	3539.15	5367.788	0	1	2 No
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33	4	17.9842	3656.531	5844.392	1	0	1 No
34	6	19.11085	3920.228	6161.656	0	0	2 No
42	4	12.23194	3601.208	7492.055	2	0	0 No
41	6	15.37203	4285.008	14348.82	2	0	2 No
22	4	23.39683	3858.886	3903.627	0	0	1 No
32	4	1.319623	3175.833	6377.127	2	0	2 No
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88	5	2.49733	2472.032	28500.23	0	0	0 No
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89	6	16.47615	4024.173	15049.75	2	0	0 No
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43	6	1.061308	2235.075	14314.55	1	1	1 No
35	7	12.68389	3178.56	11716.76	1	0	1 No
47	5	8.343017	2798.772	15581.98	1	1	1 No
67	5	6.990962	2607.646	11081.55	0	0	1 No
35	5	2.551815	2376.512	5954.493	1	0	0 No
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54	4	17.9933	3928.455	9544.792	2	0	1 No
29	6	4.086292	3554.48	10622.03	2	0	2 No
72	5	1.887304	2945.741	24044.77	2	0	1 No
63	4	13.77907	3654.133	11444.05	2	1	1 No
60	5	15.68926	3200.91	9954.207	1	0	1 No
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49	5	4.301382	2451.343	8228.492	1	1	0 No
47	5	7.219719	2532.4	7952.218	1	0	1 No
72	6	15.45128	3620.37	12376.81	1	0	2 No
35	5	4.838995	3370.212	6766.516	2	0	2 No
59	6	17.22911	4033.457	10460.35	0	0	2 No
58	4	17.25244	4159.211	19567.9	2	0	1 No
51	5	2.085951	3279.68	9376.98	2	0	2 No
66	4	2.725056	2676.44	11423.54	2	0	1 No
75	6	9.494043	3389.885	24882.42	2	0	1 No
57	5	11.26679	3023.718	18827.36	0	0	1 No
20	4	2.951342	3083.911	5161.662	2	1	2 No
48	5	2.284343	2530.752	15835.21	0	0	1 No
58	5	8.955247	3162.364	10015.21	2	0	1 No
68	5	2.060992	2817.493	11809.87	2	0	1 No
58	6	11.15049	3994.548	10425.82	2	0	2 No
52	4	7.450296	3192.722	9715.554	2	1	1 No
64	6	2.942939	2703.137	11074.87	2	0	1 No
66	5	11.62538	2988.349	10851.86	0	1	0 No
38	5	14.42348	3367.516	12533.69	1	0	1 No
36	5	9.042316	3108.917	6600.205	2	0	0 No
29	4	18.50255	4466.756	5895.929	2	0	2 No
51	4	7.701878	3093.074	8875.715	2	0	0 No
50	5	12.04639	3440.509	16814.39	0	0	2 No
85	4	2.98443	3221.506	14898.31	2	0	2 No
20	5	5.572946	3309.284	7295.551	2	0	1 No
56	4	10.85005	2805.297	9315.162	1	0	1 No
73	5	6.395619	2977.497	24186.96	1	0	2 No
68	5	7.483274	2529.43	11222.88	1	0	0 No
54	5	4.622433	2575.635	17827.09	0	1	1 No
60	5	6.638772	3079.14	20054.35	1	0	2 No
56	5	18.45189	3589.493	9445.403	0	0	1 No
29	4	4.47175	2914.519	5752.314	2	0	1 No
57	3	13.71656	3148.784	9559.228	1	0	0 No
46	6	7.792206	2837.426	15126.56	0	0	1 No
72	4	12.35393	3040.845	23293.53	0	0	0 No
87	5	6.263601	3073.447	14703.39	2	0	1 No
42	6	2.490736	2892.633	14567.02	1	0	2 No
38	5	7.924654	2839.237	12687.93	1	0	1 No
55	5	1.658275	2405.056	9656.998	0	0	2 No
39	4	9.348216	3545.702	13254.98	2	0	0 No
62	5	11.57416	3048.903	20284.81	1	0	1 No
41	5	2.422559	3384.306	14424.05	2	0	2 No
49	8	4.997697	3663.089	9086.603	2	0	2 No
78	6	3.352623	2543.887	13340.3	1	0	2 No
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42	4	5.201742	3478.111	14641.57	2	0	2 No

34	5	7.410187	2523.442	5806.605	0	0	1 No
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21	5	23.71114	4386.052	4017.162	2	0	0 No
27	5	7.835137	3752.598	9930.006	2	0	2 No
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19	4	5.829231	2333.32	3639.013	0	1	1 No
58	2	5.86507	3047.018	19984.91	2	1	1 No
45	6	6.768464	3143.6	8092.505	2	0	1 No
31	3	12.93959	3524.886	5810.155	1	0	2 No
21	6	10.76885	3150.751	7171.533	0	0	1 No
76	6	8.225883	3074.822	12936.85	1	0	2 No
57	6	6.809514	2686.315	18818.66	0	1	1 No
48	6	16.23591	3989.866	9042.445	2	1	1 No
87	5	7.232285	2779.253	28404.41	1	0	1 No
74	5	4.849216	3038.016	24640.9	2	0	1 No
27	6	5.426406	3410.405	9950.722	2	0	2 No
66	7	10.48177	3642.077	22089.14	2	0	1 No
24	5	11.1276	3007.242	4145.782	0	0	1 No
52	6	20.06107	4450.383	17615.86	2	0	1 No
56	4	9.831216	2969.022	18404.41	0	0	1 No
74	6	8.754613	3418.597	24481.07	2	0	0 No
34	4	5.251663	2870.27	6165.087	2	0	1 No
22	4	16.05851	3457.688	4028.402	0	1	1 No
62	6	5.820319	3562.2	11215.28	2	0	2 No
65	6	4.774965	3528.288	22007.58	2	0	2 No
57	6	10.65753	3913.777	20068.16	2	1	2 No
33	7	19.03864	4087.216	11376.51	1	0	2 No
53	6	12.59334	4128.295	9841.998	2	0	2 No
73	6	8.676126	3210.543	12458.53	2	0	1 No
46	4	26.18527	4226.872	7895.695	0	1	1 No
18	4	18.2083	4540.346	7201.577	2	0	2 No
49	4	3.005318	2868.598	9299.204	2	1	1 No
47	6	1.554145	2387.333	15468.74	0	0	0 No
41	4	12.57787	3944.639	8626.219	2	1	2 No
39	5	11.24829	4227.891	13896.59	2	0	2 No
64	5	5.173547	2587.383	21079.57	1	0	1 No
79	6	17.17046	4540.454	26491.24	2	0	2 No
54	5	10.26169	3487.156	9275.173	2	0	0 No
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61	6	2.059014	2865.82	21065.55	2	1	1 No
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70	6	8.051156	3113.818	11988.33	2	0	0 No
75	7	5.977596	2345.477	12292.17	1	0	0 No
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53	3	6.415853	3392.004	17936.12	2	0	1 No

74	7	7.328631	3866.635	25546.66	2	1	2 No
19	5	19.90458	4727.429	4320.671	2	0	2 No
45	4	15.64176	4125.457	15173.04	2	0	0 No
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83	5	19.05014	4082.607	13990.32	2	0	0 No
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71	5	10.69811	3181.791	23199.58	1	1	1 No
76	3	18.66336	4188.703	25243.53	2	0	1 No
77	7	10.07931	3545.025	25440.65	2	0	1 No
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61	5	8.599431	3416.792	20389.58	2	0	0 No
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42	4	3.96541	2852.215	14228.08	1	0	2 No
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88	3	8.697845	2859.828	28625.76	0	0	1 No
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23	5	10.07755	3254.323	5202.557	2	1	1 No
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88	5	8.37296	3467.566	15274.04	2	0	2 No
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62	6	6.407732	2526.449	10209.53	0	1	0 No
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54	5	22.563	4116.17	17528.83	0	0	0 No
72	4	11.95603	3698.8	24013.99	2	0	1 No
25	5	5.497186	3110.864	8787.065	2	0	1 No
34	5	2.32446	2751.163	6223.226	0	0	2 No
35	5	4.707263	2401.738	6196.339	0	0	1 No
32	3	2.222657	2037.806	5543.501	1	0	1 No
81	6	6.945928	2706.337	26434.18	1	1	0 No
32	7	1.249498	2542.341	6512.187	2	1	0 No
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37	3	5.572127	2663.393	12326.5	1	0	1 No



59	3	6.270611	3000.726	10258.47	0	0	2 No
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58	5	10.87302	3046.963	9728.678	0	0	1 No
67	2	12.37207	3016.122	11346.91	0	1	1 No
51	3	9.720578	3082.907	16853.84	1	1	0 No
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82	6	13.32088	3091.996	13354.67	1	0	0 No
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71	5	14.28034	3699.427	12209.32	2	0	1 No
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50	3	5.84282	2987.645	8999.584	0	1	2 No
23	4	10.42732	3428.714	8235.618	2	0	1 No
27	5	15.65289	3309.51	4491.376	1	0	0 No
49	5	9.791973	2916.137	16232.84	1	1	1 No
80	5	6.67131	3131.419	14294.11	2	1	1 No
75	5	1.09355	2750.04	24698.59	2	0	0 No
31	5	10.9069	3848.096	11241.84	2	0	2 No
71	4	14.52732	3792.838	23739.89	1	1	2 No
57	6	3.569452	2721.063	9950.806	2	0	1 No
19	5	10.75497	3581.6	7689.809	2	1	1 No
79	5	6.598003	2654.362	25761.67	1	1	1 No
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80	5	10.39621	2924.306	13033.51	1	0	0 No
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38	5	7.840829	2842.311	12619.25	1	0	1 No
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83	6	9.769271	3243.685	14187.8	2	0	1 No
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43	4	6.550853	2964.452	8270.324	2	1	1 No
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74	5	6.72428	2820.707	24412.11	0	0	1 No
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89	6	12.31519	3056.978	14693.35	1	0	1 No
82	6	3.551998	2446.126	13357.95	1	0	0 No
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79	3	7.092518	3533.909	13945.16	2	0	2 No

61	5	13.22192	3793.482	20461.53	2	0	0 No
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82	6	23.56227	4201.542	26640	1	0	0 No
35	5	10.45009	3083.292	5954.493	0	0	0 No
45	4	10.92347	3323.635	8075.335	2	0	1 No
21	6	5.035575	3007.135	4789.041	2	1	1 No
37	7	1.144673	2679.479	6651.807	2	0	0 No
31	5	8.48826	3268.926	6272.599	2	1	0 No
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86	5	2.484051	2533.299	14542.66	1	0	2 No
40	6	2.663867	2487.452	7219.133	1	1	2 No
89	5	6.384383	2645.703	28931.86	0	0	1 No
73	4	6.06821	3164.622	12415.29	2	0	0 No
70	6	11.04427	3418.979	23226.18	0	0	2 No
30	5	10.26371	3344.78	5683.789	2	0	1 No
49	4	12.01038	3352.114	8441.482	2	0	0 No
40	5	16.27896	4046.495	13786.07	2	0	1 No
59	6	3.202599	2888.473	19734.24	2	0	1 No
57	5	2.406773	2954.896	19035.43	2	0	1 No
38	5	6.707161	3122.987	7498.203	2	1	1 No
88	6	5.921126	3118.424	14956.33	2	0	1 No
59	4	5.786354	2999.227	10108.86	2	0	0 No
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77	6	3.594125	2976.523	13255.1	2	0	1 No
63	4	10.41473	3451.144	11615.47	2	1	1 No
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72	5	2.104397	2698.504	12227.2	2	0	0 No
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89	4	3.948659	2686.715	15163.34	0	1	2 No
19	4	1.223945	2580.62	6858.391	2	0	1 No
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24	6	6.562199	2453.959	4265.642	1	0	1 No
34	3	2.547914	2927.919	11537.1	2	0	0 No
77	6	25.83008	4830.061	25591.61	2	0	1 No
41	4	4.581395	2448.821	6774.124	1	0	0 No
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46	5	11.7621	3345.264	15683.76	1	0	2 No
54	4	8.542608	3252.246	18796.22	2	1	1 No
62	4	3.34996	2923.108	10791.6	2	0	1 No
52	5	18.09347	3836.866	9141.191	0	0	2 No
56	5	3.755061	2223.048	9470.721	0	1	1 No
39	6	13.00849	3552.813	7139.202	1	0	2 No
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56	4	13.9461	3596.167	18834.87	1	0	2 No

79	4	16.69963	4369.864	13904.04	2	0	2 No
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30	4	9.54752	3452.038	5679.961	2	0	1 No
22	4	12.10115	3987.297	4761.248	2	0	2 No
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23	5	6.42884	2527.277	3914.449	1	0	0 No
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58	5	3.32136	3053.648	10552.24	2	0	2 No
56	4	7.527123	3289.781	18708.46	0	0	2 No
29	6	8.892184	3741.05	5772.245	2	0	2 No
84	4	21.67126	4521.279	27724.8	2	0	0 No
49	4	5.456248	3160.674	16627.57	2	0	1 No
25	5	9.805322	3011.153	8455.857	1	0	1 No
84	5	8.834861	3212.18	14224.93	2	0	1 No
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32	5	13.07012	3059.155	5454.658	1	0	1 No
62	5	20.99866	4746.943	21706.8	2	1	2 No
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70	4	1.707357	3232.168	12386.85	2	0	2 No
46	4	4.008406	3170.525	8769.118	2	0	2 No
79	6	4.891688	2827.091	13594.87	0	1	2 No
74	5	2.066916	2230.452	12174.84	1	0	1 No
77	5	5.602479	3052.685	13224	2	0	1 No
57	5	4.863685	2570.095	9590.012	0	0	0 No
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41	7	7.267406	2751.986	7029.897	1	0	1 No
39	6	14.31531	3834.824	7113.047	2	0	0 No
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75	5	1.91407	2717.474	24909.77	1	0	2 No
72	5	17.61708	3618.349	23608.48	1	0	0 No
79	5	4.693964	2971.269	13289.7	2	0	0 No
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40	6	13.08102	3673.108	7529.088	2	0	1 No
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55	4	13.09058	4026.12	19526.54	2	1	2 No
55	6	20.40252	4086.299	18095.68	1	0	0 No
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44	6	7.379062	3805.496	16014.05	2	1	2 No
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64	5	5.513896	2634.057	20852.94	0	1	0 No
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44	5	9.182258	3833.275	8355.602	2	0	2 No
53	5	4.470853	2978.295	18082.95	2	0	1 No
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81	7	13.2943	3577.577	13743.18	2	0	1 No
77	7	15.85399	3899.636	25553.72	2	0	1 No
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82	3	11.49767	2970.684	26690.03	0	0	1 No
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46	4	9.455193	2765.307	7860.309	1	0	1 No
30	5	4.302527	2574.95	5212.004	0	0	1 No
42	4	19.75116	4811.592	14641.57	2	0	2 No
35	6	7.994816	3775.427	12482.03	2	0	2 No
53	5	5.350153	2806.389	9390.768	2	0	1 No
50	5	10.63389	3739.49	16920.56	2	0	1 No
52	5	15.9884	3898.994	9209.784	2	0	1 No
46	3	11.22894	3285.866	15172.16	1	0	0 No
45	4	14.34501	3288.234	14756.27	0	0	0 No
41	4	1.262289	2185.637	6872.382	0	0	1 No
82	5	7.802928	3618.328	27657.45	2	0	2 No
64	4	24.67766	4648.094	21273.98	2	0	1 No
71	5	15.61219	4047.372	12394.03	2	0	1 No
62	5	7.237889	2812.215	10201.34	0	0	0 No
50	5	11.59459	3972.683	9329.47	2	0	2 No
77	4	7.452165	3452.699	14191.65	2	1	2 No
45	5	5.989788	2990.43	7826.664	2	0	0 No
55	6	14.1445	3300.858	9120.517	1	0	1 No
43	4	12.8094	3701.167	15079.45	2	1	0 No
24	7	11.88139	3327.861	4617.415	1	0	2 No
31	4	3.367179	3057.403	6175.693	2	0	2 No
83	6	12.81299	4000.565	15227.08	2	1	2 No
88	5	4.805299	2923.062	14803.6	2	0	0 No
69	6	1.880475	2691.285	11786.62	2	0	0 No
73	6	21.59603	3891.211	23870.89	1	1	1 No
44	3	16.10105	4153.147	15655.49	2	1	1 No
60	4	5.942798	2831.323	10439.5	1	0	2 No
42	6	15.37042	3115.105	7149.312	0	0	1 No
78	4	11.61245	3845.326	26195.21	2	0	2 No
35	5	6.630872	2971.91	7047.244	2	1	1 No
28	5	1.578026	2596.918	9826.705	1	0	2 No

32	5	7.912315	3731.547	6439.01	2	0	2 No
75	6	6.32701	2433.788	12335.42	1	0	1 No
56	2	5.173388	2523.536	18394.03	1	0	1 No
32	4	1.456644	3170.278	11613.6	2	0	2 No
59	6	19.60067	3694.022	10084.35	0	0	1 No
68	5	22.87584	4827.904	23078.16	2	0	2 No
34	6	19.68145	3779.108	5922.954	0	0	1 No
53	6	8.408868	3394.215	9298.414	2	0	1 No
62	6	8.532288	3240.031	20725.81	2	0	1 No
26	4	7.779867	2818.082	4610.799	0	0	1 No
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81	6	15.20611	3783.158	13682.81	2	0	0 No
33	5	2.580443	2311.076	10894.05	1	1	0 No
28	4	26.12423	4755.778	9810.618	2	0	0 No
43	4	15.16686	3854.703	14551.77	2	0	1 No
42	6	18.49302	4139.992	14426.94	0	0	2 No
24	6	10.64785	3507.366	9126.811	2	1	1 No
52	6	1.241335	3122.933	9527.18	2	0	2 No
33	4	3.981206	2242.478	5489.475	1	0	0 No
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76	5	3.84037	2975.562	13070.52	2	0	1 No
67	6	15.74759	4217.208	22413.88	2	0	0 No
72	5	11.73336	3993.997	13368.02	2	1	2 No
54	6	2.283851	2136.81	9288.5	1	0	1 No
60	6	8.348778	3284.39	10392.9	2	0	0 No
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85	5	10.36657	2777.051	13937.95	1	0	1 No
45	6	15.44069	4365.095	8413.494	2	0	2 No
47	6	24.3873	4084.869	7768.395	1	0	0 No
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57	6	16.63996	4289.772	10299.3	2	0	2 No
84	4	3.719001	2792.997	14267.25	2	0	0 No
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34	4	6.518776	3129.146	6367.081	0	0	2 No
36	5	2.013354	2910.553	13021.45	2	1	1 No
20	5	18.82158	4115.915	7292.12	0	0	2 No
39	4	5.080871	3010.847	7068.602	2	0	0 No
72	8	14.54587	3713.093	12325.31	1	0	2 No
35	5	10.47425	2942.797	6045.694	0	0	1 No
27	5	10.11128	3108.174	9010.815	0	0	1 No
60	5	5.759402	2463.383	9948.617	1	0	0 No
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67	4	18.5146	3605.317	21805.3	0	0	0 No
20	7	4.260389	3008.618	3916.952	2	0	1 No
75	4	12.51349	3106.635	12490.98	0	1	1 No
85	5	18.43514	4186.332	28156.98	2	0	1 No

89	6	15.85806	3760.767	15055.19	0	0	2 No
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48	4	2.716718	2684.601	8359.909	2	0	0 No
25	6	4.230127	2469.188	8323.536	0	0	0 No
59	6	7.648361	3346.74	19758.24	2	0	1 No
57	6	18.31331	3672.128	9381.309	0	0	0 No
66	6	7.242638	3129.521	22113.22	0	0	2 No
56	4	13.92899	3688.756	18925.59	1	1	2 No
60	6	3.156781	2366.401	10001.44	1	1	0 No
37	5	7.626671	3232.639	6617.744	2	0	0 No
74	5	18.33355	3664.942	12246.79	1	0	1 No
41	5	11.0485	3559.502	7378.23	2	0	1 No
58	4	2.3147	3176.572	10459.88	2	0	2 No
64	5	7.63209	3323.435	21365.78	2	0	1 No
55	3	3.355248	2957.851	9600.059	2	0	0 No
75	4	7.830283	3254.941	24968.06	1	0	2 No
33	6	15.18827	3306.493	11021.46	0	0	1 No
23	6	8.972652	2991.019	4057.152	1	0	1 No
61	4	4.897352	3354.785	20931.96	2	0	2 No
56	3	10.64016	4153.498	19494.96	2	0	2 No
23	2	13.15784	3777.104	8096.508	2	0	0 No
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74	5	8.578807	3192.138	12829.85	1	1	2 No
85	6	4.427155	2924.813	14637.09	0	1	2 No
22	6	2.741954	2809.456	4311.217	2	0	0 No
44	4	5.102444	2677.614	14626.62	1	0	1 No
76	5	7.081297	3121.14	25325.82	2	0	1 No
70	5	8.346455	3743.72	12530.71	2	0	2 No
35	7	1.345663	2550.701	6414.591	0	0	2 No
47	6	2.073096	2283.601	15400.07	1	0	0 No
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85	4	1.294189	2738.633	28204.74	0	0	2 No
54	4	9.076564	2816.177	9024.784	1	0	1 No
40	4	1.310433	2632.48	7140.108	2	0	0 No
88	7	2.890621	3506.247	29527.83	2	0	2 No
70	6	1.241913	1957.446	11563.3	1	0	1 No
62	3	4.225943	3101.145	11312.5	2	1	0 No
86	5	6.384722	3522.332	15038.44	2	0	2 No
29	5	4.924278	2744.616	5533.391	0	0	2 No
26	6	6.211787	2525.984	4495.649	0	0	0 No
71	6	17.0785	3412.158	11930.94	0	1	1 No
42	5	5.873352	2603.83	13802.27	1	0	0 No
46	4	16.77249	3888.037	8171.068	2	0	1 No
75	5	5.061364	2382.726	24468.92	0	0	1 No
36	6	8.182739	2841.082	6358.556	0	1	1 No
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58	5	7.16666	2781.752	19159.32	1	1	1 No
58	5	2.956158	3266.936	10508.1	2	0	2 No
46	7	4.018183	3245.628	8656.361	2	0	2 No
47	3	9.668126	3025.445	15474.33	0	0	1 No
43	5	1.553338	2581.401	8383.395	2	1	1 No
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83	6	3.695681	3257.224	27861.36	2	0	2 No
52	3	25.42444	4070.541	8592.017	1	0	0 No
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78	4	4.989939	2339.754	13186.89	0	0	1 No
56	4	16.58446	3607.514	18479.15	1	1	0 No
39	5	16.62945	3462.221	12901.18	0	1	0 No
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61	5	5.302562	2997.954	10560.27	2	0	0 No
72	6	6.771172	3011.522	24017.66	0	0	2 No
26	5	2.841925	2576.439	8765.783	0	0	1 No
49	5	10.51432	3499.918	16473.34	2	0	1 No
43	6	20.62372	4019.278	14333.36	0	0	1 No
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41	6	3.017562	2835.132	13904.54	0	0	2 No
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83	4	24.72047	4660.445	27312.19	2	0	0 No
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76	4	4.585524	3009.731	25264.25	2	0	1 No
62	5	22.20394	4833.431	21316.75	2	0	2 No
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43	6	10.06477	3266.77	14661.41	1	0	2 No
40	4	7.243357	3616.153	7638.094	2	0	2 No
53	5	1.731831	2412.803	17371.67	1	0	1 No
79	5	17.55815	4092.888	14191.82	2	1	1 No
67	6	2.362873	2289.012	11163.84	1	0	1 No
67	6	1.166534	2868.864	22309.99	2	0	1 No
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39	6	3.315489	2751.996	13393.86	2	0	1 No
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33	5	26.83604	4856.351	6193.038	2	0	1 No
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88	5	6.388161	3075.715	29828.96	2	1	1 No
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59	7	6.95814	3120.832	20105.45	0	1	2 No
54	2	1.915198	2666.793	9366.721	1	0	2 No
62	5	25.99139	5237.756	21071.02	2	0	2 No
67	5	9.744871	3472.926	22334.07	1	0	2 No
46	5	13.55661	3709.749	8698.753	2	1	0 No
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78	6	2.343177	2359.416	12909.52	1	0	1 No
37	3	8.146385	2595.134	6315.622	0	0	1 No
43	4	12.84319	4246.252	8862.13	2	1	2 No
65	4	4.304889	2946.844	11170.46	0	0	2 No
55	5	6.28197	2524.988	9421.575	1	0	1 No
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26	6	11.93488	3237.908	8824.074	0	0	1 No
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76	5	6.814162	2611.493	24799.25	1	0	1 No
58	5	13.51436	3022.703	9964.887	0	0	1 No
83	6	4.905531	3183.452	15151.85	2	1	2 No
76	4	1.377935	2527.812	13108.21	1	0	2 No
54	5	6.502465	2933.609	9370	0	0	2 No
49	5	11.73932	2972.152	8160.309	1	0	1 No
39	5	7.134161	3285.82	13292.64	2	0	0 No
34	6	12.32649	3094.565	5820.265	0	0	1 No
55	6	2.504641	2281.841	9372.023	0	1	1 No
27	5	8.119124	3220.799	9456.293	2	0	0 No
41	5	4.931874	2951.252	7918.377	2	1	1 No
40	6	2.455946	2542.366	7359.71	0	1	2 No
73	4	6.749703	3593.578	24569.67	2	0	2 No
52	6	1.494141	3290.869	9783.839	2	0	2 No
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70	6	7.032847	3030.38	12127.44	2	0	1 No
43	6	7.200976	3017.722	7610.317	2	0	1 No
36	6	2.797581	2145.495	6370.534	1	0	1 No
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56	4	3.01198	2431.581	18445.53	1	0	1 No
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28	4	9.00188	3178.589	9464.597	1	0	1 No
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37	6	10.10221	3024.636	12432.51	0	0	1 No
54	6	9.863714	3288.544	18102.15	2	0	1 No
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56	4	12.07512	3555.856	18807.52	2	0	1 No
36	5	14.57291	3806.036	12392.23	2	0	1 No
30	4	5.850226	2455.302	5285.545	1	1	1 No
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77	5	10.89797	3381.227	13730.08	2	1	1 No
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54	4	27.35343	4351.306	9046.7	0	0	0 No
23	5	11.72439	4139.056	4884.487	2	0	2 No
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19	3	11.41458	3289.612	3811.23	0	0	2 No
57	6	6.682926	3662.341	19510.88	2	0	2 No
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43	6	1.635587	2749.232	14654.5	2	0	1 No
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47	3	8.221313	3714.617	17057.12	2	1	2 No
51	4	6.91837	3339.189	17765	2	1	0 No
62	4	12.45848	3049.411	20284.81	1	0	1 No
23	4	2.49015	2875.839	4604.12	2	0	1 No
74	6	6.505432	3411.156	24572.22	2	0	1 No
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72	5	4.806675	2489.319	12040.02	0	1	1 No
66	5	4.918263	3254.672	22558.54	2	1	0 No
89	5	9.288156	3183.902	15075.9	0	0	2 No
75	6	9.308936	3438.551	24930.37	2	0	1 No
79	3	15.23187	4175.919	26245.48	2	0	1 No
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19	6	1.932121	3231.276	7935.568	2	1	2 No
41	5	9.015378	3764.158	15039.61	2	1	2 No
73	5	1.230524	2092.297	11981.39	1	0	0 No
67	4	1.617262	2628.217	11604.69	1	0	2 No
47	6	21.71692	4344.916	16099.81	2	0	1 No
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79	5	10.8927	3407.229	14174.38	2	1	1 No
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53	6	12.75868	3121.134	8905.369	1	0	1 No
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78	6	1.474427	2522.523	13401.86	0	0	2 No
41	5	4.708234	2725.14	13617.61	1	0	1 No
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49	5	1.299046	2705.69	16738.54	1	1	2 No
45	5	10.51963	2958.327	7637.845	1	0	1 No
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76	3	4.361268	3408.276	26272.75	2	1	2 No
48	4	18.65329	4008.743	16307	2	0	1 No
33	6	6.036755	2936.723	11552.79	1	1	2 No
77	6	3.815118	3154.34	26203.4	2	1	1 No
84	5	5.581792	2620.09	14023.96	1	0	1 No
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77	6	1.833831	3213.28	25953.45	2	0	2 No
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72	4	20.41233	3707.364	11915.24	1	0	1 No
40	5	1.769041	2876.371	13837.26	2	0	1 No
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72	4	10.55868	3438.572	12359.52	2	0	1 No
38	4	10.52208	2717.842	6496.163	0	1	0 No
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64	4	13.02597	3767.682	22232.96	2	1	0 No
77	4	19.97065	4037.163	13220.57	0	0	2 No
19	5	2.479607	2984.677	4307.011	2	0	2 No
50	5	23.88397	4935.974	17347.52	2	0	2 No
74	6	1.214537	2699.367	12759.69	2	0	1 No
33	6	6.724714	2820.743	11038.4	0	0	1 No
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71	6	9.124066	3735.944	12667.61	2	0	2 No
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67	5	4.164631	3380.794	22648.1	2	0	2 No
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33	5	1.944118	2844.592	11622.79	1	0	2 No
50	5	7.531407	2724.848	8493.888	1	1	1 No



21	4	3.256557	2865.116	7594.943	1	0	2 No
33	6	18.19694	4493.451	6691.945	2	0	2 No
87	4	9.958556	3197.486	28783.69	0	0	2 No
48	5	6.10866	3269.574	9193.403	2	1	1 No
70	5	1.169402	2851.922	23441.98	0	0	2 No
45	3	4.03868	2609.697	14806.3	1	0	1 No
68	6	9.191496	3343.039	11564.47	2	0	0 No
66	5	13.56685	3138.585	10972.47	0	0	1 No
89	4	3.936723	3058.207	29591.95	2	0	1 No
54	6	3.138444	3037.855	18055.39	2	0	0 No
35	7	13.94242	3236.914	5995.345	1	0	0 No
72	5	2.03612	2675.8	12263.74	0	0	2 No
69	4	6.683096	2620.962	11461.01	0	0	1 No
87	3	14.34774	3794.719	14543.56	2	0	0 No
67	6	4.156729	2992.186	23041.9	2	1	1 No
59	5	19.24571	3586.308	9858.474	0	0	1 No
66	3	6.908586	3132.521	22000.06	2	0	1 No
24	6	13.56517	3831.617	8478.338	2	0	0 No
59	5	2.29508	2753.532	20418.24	2	1	1 No
34	5	2.062448	2608.953	6244.094	2	0	1 No
33	6	9.326744	3486.17	11624.74	0	1	2 No
83	4	1.402187	2139.771	13692.02	0	0	1 No
55	6	10.89214	3021.805	18144.07	1	1	1 No
40	7	4.131763	3265.778	7641.872	2	0	2 No
69	6	17.63527	3566.676	22492.57	0	0	1 No
66	6	24.57896	4147.897	21512.54	1	0	0 No
33	5	4.588276	2890.658	5957.982	2	0	0 No
76	4	8.57435	2750.462	12425.25	0	0	0 No
50	8	1.832957	2776.248	16783.76	2	0	1 No
69	6	2.718513	3443.834	23442.86	2	0	2 No
69	5	15.17906	3159.106	11352.68	1	0	0 No
67	6	3.550999	2853.09	11532.78	1	0	2 No
33	5	4.415164	2743.272	11489.58	0	0	2 No
74	6	7.966547	3520.934	24498.51	2	0	0 No
57	4	10.91132	3374.383	19746.94	2	1	1 No
86	6	1.226196	2125.351	14411.61	1	1	1 No
65	5	3.121488	2874.864	11170.06	2	0	1 No
74	4	2.432503	2388.253	24343.75	0	0	1 No
18	5	9.747393	2980.198	3213.08	0	0	1 No
43	4	20.86871	3795.398	7474.198	1	0	1 No
47	6	5.562133	2837.253	15918.46	1	0	2 No
73	5	17.52131	4009.981	24109.57	2	0	0 No
38	5	1.055359	2724.871	12981.25	2	0	1 No
35	4	2.954667	2769.329	12130.1	1	0	2 No
62	3	3.08103	2193.285	10278.65	1	0	1 No
29	5	16.00379	3425.052	9767.687	0	0	1 No
34	4	7.166838	2663.851	5881.834	0	0	1 No

82	3	4.521421	2346.423	13490.27	1	0	1 No
55	3	21.70333	4472.908	19004.88	2	1	0 No
86	6	24.45375	4982.66	29454.64	2	1	2 No
71	6	10.62329	3018.563	23136.38	0	0	1 No
28	3	18.44118	3911.841	5403.594	0	0	2 No
78	4	5.619885	2949.691	13329.96	0	0	2 No
74	7	21.82229	3715.708	12268.83	0	1	1 No
28	5	2.233126	2771.917	5335.121	2	0	1 No
78	4	5.48712	2990.516	25843.2	2	0	1 No
25	7	5.627874	2792.617	8452.579	1	0	1 No
63	5	9.645063	3230.256	10812.76	2	0	0 No
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58	5	18.03639	4446.893	19926.78	2	0	2 No
37	5	4.981395	2921	6739.184	2	0	1 No
30	6	19.82139	4198.444	11103.39	2	1	1 No
56	5	4.35785	2442.533	9527.689	1	0	1 No
26	5	1.415707	2150.822	4580.015	0	0	1 No
41	6	14.57341	3211.118	7054.125	1	0	1 No
22	5	3.794177	2739.477	4320.4	2	0	1 No
67	6	20.03392	3751.561	10990.4	1	0	0 No
44	6	19.10575	3587.11	7449.758	0	0	1 No
81	4	9.859428	2808.372	13360.47	1	0	1 No
72	6	1.416458	2385.242	12353.9	0	1	2 No
56	5	10.83795	3027.307	18445.53	1	0	1 No
22	4	9.007483	2819.361	3723.083	0	0	0 No
54	5	3.702431	2253.045	9024.784	0	0	1 No
41	4	6.937411	2650.644	6835.693	0	0	0 No
46	4	19.22912	4087.984	8232.485	1	0	2 No
32	6	20.00003	4081.971	5862.562	2	0	0 No
29	4	3.408764	2967.374	10974.71	2	1	1 No
30	5	1.042379	2000.776	5198.344	1	0	1 No
21	6	11.91695	3038.448	7171.533	1	0	1 No
40	6	2.161844	2545.146	7220.928	2	0	1 No
46	3	3.045766	2942.503	8834.353	2	1	1 No
66	5	20.25806	4294.805	21917.78	2	0	1 No
81	4	9.554654	3480.898	26733.23	2	0	0 No
30	5	10.48182	3470.821	10415.88	2	0	1 No
28	5	23.29203	4775.148	6323.172	2	1	2 No
50	6	5.208054	2841.644	8809.961	0	0	2 No
54	5	2.692611	2368.293	9058.404	0	1	0 No
38	6	17.96192	3839.77	6886.419	2	0	1 No
84	6	18.64873	4063.211	27679.05	1	0	2 No
38	7	13.68091	3650.311	7054.002	2	0	1 No
23	6	9.715985	3135.464	7729.77	0	0	1 No
19	5	5.701209	3402.318	4341.074	2	0	2 No
33	7	4.143947	3002.628	11804.53	0	0	2 No
76	4	4.633227	3186.321	12962.19	2	0	0 No

21	5	4.213292	2956.506	7574.54	0	0	2 No
46	5	9.353488	3253.263	8240.91	0	1	2 No
18	6	5.992014	2598.714	3139.049	1	0	0 No
84	6	9.662482	3876.118	14665.77	2	0	2 No
28	5	10.12	2924.614	4880.46	1	0	1 No
85	5	4.249976	2749.045	14433.58	0	0	2 No
52	4	15.12721	3768.817	9271.353	2	0	1 No
39	4	6.676148	3816.425	13811.03	2	0	2 No
34	4	6.967282	3558.763	6568.044	2	0	2 No
60	6	15.17096	3643.887	10603.76	0	0	2 No
76	5	5.8036	3120.284	13057.02	0	0	2 No
33	5	15.25132	3796.805	6175.867	2	0	1 No
89	5	2.573016	2254.04	29128.59	1	1	1 No
42	5	10.13336	3942.779	14669.08	2	0	2 No
54	5	11.75187	3123.144	17691.93	1	0	1 No
87	6	9.533087	3162.624	28722.12	1	0	2 No
43	4	2.637621	2304.107	7198.022	1	0	0 No
76	6	8.906266	3196.409	25356.68	0	0	2 No
89	4	2.290284	2640.816	14997.05	2	0	1 No
32	5	2.574748	2899.037	11347.12	2	0	1 No
84	5	4.057297	3097.337	14276.43	2	0	1 No
46	5	1.014903	2155.622	7880.712	0	0	1 No
28	7	19.81558	4712.194	5714.4	2	0	2 No
64	4	1.36334	2734.419	11201.68	0	0	2 No
31	6	9.007631	3325.945	10787.49	0	0	2 No
89	5	7.878143	3283.916	29359.52	2	0	1 No
28	5	4.833485	2943.552	5321.308	0	0	2 No
32	6	17.48314	4273.714	6284.773	2	0	2 No
74	5	9.75876	2730.501	12243.51	1	0	1 No
19	4	8.308065	3513.639	6897.481	2	0	0 No
21	6	21.61479	4346.813	4259.276	2	0	1 No
56	4	10.15447	3379.48	18834.87	1	0	2 No
47	6	9.497977	3437.712	15863.6	2	0	1 No
48	4	9.674285	3416.007	8567.459	2	0	1 No
71	5	13.37133	3755.149	12148.91	2	0	0 No
81	5	4.489235	2796.428	13712.4	2	0	1 No
20	6	12.97584	2918.898	3503.457	1	0	1 No
63	5	6.862228	2635.707	10385.92	1	0	0 No
28	4	2.495162	3230.807	10219.48	2	0	2 No
20	6	7.35289	2803.757	6954.008	1	0	1 No
22	5	15.3696	3627.361	4136.577	2	0	0 No
60	4	23.57217	5030.687	21032.22	2	1	2 No
21	5	21.31813	4332.448	4024.219	2	0	0 No
53	5	12.87373	3667.71	17731.85	2	0	0 No
72	5	9.494173	2891.736	23372.54	1	0	0 No
52	5	6.775552	3166.394	9036.296	2	0	0 No
78	5	8.890447	3242.2	13218.19	2	0	0 No

23	5	5.95853	2609.908	7777.003	1	1	0 No
35	5	4.970175	3142.885	12714.53	2	1	1 No
30	5	31.3856	4840.849	5601.618	0	0	2 No
75	7	8.748648	3452.485	25118.36	2	0	1 No
58	4	15.20805	4172.445	10634.52	2	0	2 No
36	6	17.00742	3883.729	6789.336	1	1	2 No
40	5	9.615268	2789.335	6858.935	1	0	1 No
34	5	1.469949	2758.842	12295.36	2	1	1 No
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40	4	2.01068	2237.214	6858.935	0	0	1 No
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68	6	2.906585	2859.38	22792.72	1	1	2 No
88	4	20.14446	5005.135	30071.49	2	1	2 No
88	5	13.48136	3494.075	14863.82	0	0	2 No
30	4	8.474151	2789.757	5066.023	0	0	0 No
34	5	8.272313	2759.122	5833.879	1	0	1 No
31	3	11.71009	3557.283	5736.044	2	0	0 No
37	4	12.08425	3444.281	6542.015	2	0	0 No
32	5	7.972332	3767.092	11784.69	2	0	2 No
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85	6	21.83789	3765.297	14023.51	1	0	1 No
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69	6	8.815269	3184.303	11867.71	2	0	1 No
67	6	5.615308	2315.792	11038.31	1	0	0 No
77	3	4.919616	2499.933	12790.1	1	0	1 No
67	7	18.02236	3590.449	21906.83	1	0	1 No
32	6	6.964148	3186.744	11030.09	2	0	0 No
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84	5	6.872991	2639.842	14155.52	1	1	1 No
47	6	3.731825	3380.23	8765.44	2	0	2 No
35	3	12.73174	3836.18	11918.93	2	0	0 No
78	7	4.665217	3453.216	13835.81	2	0	2 No
26	4	15.56591	3374.334	4497.729	0	0	1 No
70	5	6.711249	2675.011	22874.41	0	0	1 No
71	5	6.833517	3075.087	12353.18	2	0	1 No
28	6	20.24494	4125.476	9896.699	0	1	2 No
32	5	5.30771	3141.757	11090.46	2	0	1 No
88	3	2.786318	2300.768	14431.23	0	0	0 No
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35	4	10.74958	3879.078	6876.308	2	0	2 No
42	5	9.52251	2707.891	7397.226	1	1	1 No
77	5	8.435792	3342.803	25560.51	2	0	1 No
54	5	2.506614	3058.841	10477.56	2	1	2 No
35	5	6.078775	3924.574	12502.48	2	0	2 No
63	3	14.627	4269.463	11365.52	2	0	2 No

26	4	13.54567	4285.308	9760.702	2	0	2 No
20	5	8.364964	3771.446	8396.406	2	1	2 No
73	5	10.97783	3074.343	23848.85	1	0	1 No
42	6	5.410745	2871.935	7348.199	2	0	0 No
55	6	3.405375	3403.796	18883.98	2	0	2 No
22	3	5.06674	3609.35	8318.631	2	0	2 No
19	5	1.322131	2255.999	3712.606	0	0	1 No
44	6	14.56459	3791.672	14868.6	0	0	2 No
50	6	1.398308	2637.155	8770.146	2	0	0 No
72	6	6.558109	3025.628	13067.75	2	1	1 No
37	5	15.21347	3281.381	6315.622	0	0	1 No
63	4	3.319677	2725.162	10864.26	2	0	0 No
42	4	9.760418	3016.839	7108.192	0	0	1 No
35	6	1.868326	2801.706	7201.481	2	1	1 No
62	8	7.588212	3534.896	11194.56	2	0	2 No
28	7	5.868045	2509.405	9232.819	1	0	0 No
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43	3	10.05992	3458.291	14723.13	2	0	1 No
82	6	25.22731	4764.181	26940.42	2	0	0 No
58	5	21.08092	4828.887	20043.13	2	0	2 No
62	5	16.55636	3981.751	20596.77	2	0	0 No
77	5	24.00198	4164.454	25045.8	0	0	0 No
42	5	26.06575	5400.946	14641.57	2	0	2 No
57	6	1.500176	2652.248	10888.19	2	1	1 No
71	5	4.376075	3200.651	12547.44	2	0	2 No
55	4	8.445786	3239.175	9681.146	2	0	1 No
36	5	14.27213	3831.542	12436.75	0	0	2 No
48	6	25.71844	4083.26	8124.503	1	1	1 No
28	4	22.35265	3832.04	4870.392	1	0	1 No
87	6	5.556529	2922.908	28636.56	0	0	2 No
33	4	6.153615	3041.416	6226.552	2	0	1 No
35	6	18.53273	4006.803	6500.308	2	0	1 No
78	5	8.157143	3680.822	14444.58	2	1	2 No
23	3	1.716013	2662.286	4426.201	2	0	1 No
84	4	1.304515	2201.391	13777.37	0	0	1 No
28	6	20.52214	3852.146	4890.842	1	0	1 No
33	4	6.422785	3772.657	12036.59	2	0	2 No
32	5	2.165281	2291.155	10697.69	1	0	1 No
54	5	2.202724	2721.4	18105.43	2	0	1 No
37	7	1.826054	2856.477	12497.88	2	0	0 No
27	6	12.66611	3662.548	9503.165	0	0	2 No
49	5	6.798723	2667.098	8342.052	0	0	1 No
27	5	1.971073	2701.074	9812.647	1	1	2 No
36	6	1.635504	2916.067	12505.03	2	0	1 No
67	4	1.324426	2256.634	21900.27	1	0	1 No
39	5	5.999077	3306.112	7396.013	2	0	1 No
52	5	6.64887	2512.803	17227.69	0	1	1 No

31	4	16.192	3573.073	10435.72	1	0	1 No
42	7	25.76701	4113.675	7141.766	1	1	0 No
51	5	6.173875	2664.451	8428.158	1	0	0 No
89	6	1.761388	2248.118	29065.38	0	0	1 No
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83	5	10.524	3277.843	27051.46	1	0	1 No
59	6	26.00751	4193.519	9930.425	0	0	1 No
46	5	6.721538	3489.348	8615.194	2	0	2 No
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81	6	5.064999	2796.518	26810.62	1	0	2 No
38	5	6.315037	3248.86	12879.71	2	0	0 No
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69	5	3.059564	2878.18	23186.72	2	0	1 No
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49	6	3.813662	2812.123	8727.727	2	0	1 No
29	5	2.064711	2084.544	5222.471	0	0	1 No
22	5	5.24358	2690.605	7515.523	1	0	1 No
46	5	3.802983	3178.257	8502.124	2	0	2 No
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73	6	4.719172	2388.092	11995.01	0	0	0 No
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45	5	4.884099	2391.663	7488.399	0	0	0 No
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35	4	19.7903	4130.539	6401.245	0	0	2 No
57	4	8.137499	3119.924	9879.401	2	0	1 No
19	3	5.346917	2572.065	6558.517	0	0	1 No
66	5	8.401284	2921.642	21711.35	0	1	1 No
37	5	12.33655	3117.603	6561.9	1	0	1 No
50	4	20.18929	3663.623	8270.855	1	0	0 No
46	5	1.466933	2508.549	7842.871	1	0	1 No
55	4	9.777293	3169.139	9619.576	2	0	1 No
67	3	7.569385	3281.109	11619.39	2	0	0 No
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46	6	2.972124	2697.653	8297.485	2	0	1 No
80	7	5.320768	2803.981	13634.1	2	0	1 No
56	5	1.822831	2184.181	9459.017	1	0	1 No
84	6	6.950631	3546.488	15397.73	2	1	2 No
36	6	4.111578	2474.096	12050.68	1	0	1 No
83	7	4.208017	2857.631	14741.79	2	1	1 No
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76	7	9.128404	3453.172	12804.68	2	0	0 No

42	5	3.517727	2790	14228.08	1	0	2 No
41	7	4.434318	2962.288	8093.017	2	1	1 No
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71	7	4.069276	2795.427	12188.87	2	0	1 No
41	5	14.13426	3539.634	14051.67	0	0	2 No
18	6	7.666177	3068.11	3708.86	2	0	1 No
69	5	5.119212	3287.075	12339.34	2	0	2 No
42	5	2.898837	3235.805	8759.526	2	1	2 No
40	5	11.24332	2922.734	6932.208	1	1	1 No
52	3	1.010068	2010.4	8672.837	0	0	1 No
65	5	10.50852	3510.571	21840.83	2	0	1 No
25	6	12.59174	3605.156	4750.642	2	0	1 No
38	4	2.773261	2580.756	12483.65	0	0	0 No
23	5	6.203286	3228.854	4998.332	2	1	0 No
39	4	9.119488	2723.178	6554.498	1	0	1 No
35	5	1.862214	3132.527	12574.38	2	0	2 No
33	5	10.89855	3504.224	5868.906	2	0	0 No
58	4	5.871823	2971.302	10142.57	0	0	2 No
42	6	11.88841	3755.614	7952.153	2	0	2 No
49	5	4.489549	2909.716	16697.42	1	1	2 No
32	5	7.639979	3162.078	11135.26	0	0	2 No
28	3	2.230352	2762.698	5350.451	1	1	2 No
46	5	20.51517	4301.288	15536.63	0	0	2 No
36	5	9.11985	2735.479	6151.762	1	0	1 No
60	5	9.046089	3255.921	10449.99	2	0	1 No
27	5	16.71189	3284.702	4608.275	0	0	0 No
51	5	9.361899	3426.624	9004.758	2	0	1 No
29	5	3.364855	2191.075	5073.462	0	1	1 No
47	5	2.245446	2256.45	8013.787	1	0	1 No
53	4	1.708499	2653.794	9329.199	2	0	1 No
68	4	21.91611	3871.474	11274.12	1	0	0 No
35	5	4.556184	2559.078	11707.58	0	0	0 No
20	4	4.849459	3046.942	4700.411	2	1	1 No
70	4	5.823211	2418.942	11694.69	1	0	0 No
43	4	2.788064	3276.846	15167.26	2	0	2 No
38	4	9.208021	2685.374	6548.154	0	0	1 No
49	4	6.767338	3166.464	17102.56	2	1	1 No
73	3	17.55931	4352.807	13043.24	2	0	2 No
59	4	15.90451	3927.896	19703.3	1	0	2 No
49	5	10.59489	3857.361	9138.104	2	0	2 No
88	6	24.24301	4168.396	14393.39	1	0	0 No
50	3	8.047921	3853.337	9575.747	2	0	2 No
30	5	7.714359	3611.07	10942.29	2	0	2 No
87	5	4.129027	2452.127	28343.73	0	0	0 No
32	5	13.03497	3781.658	11183.13	2	0	1 No
28	8	19.50843	4393.799	9819.8	2	0	1 No
29	7	15.43807	4193.62	5936.55	2	0	2 No

55	4	3.406651	3352.617	10098.31	2	0	2 No
49	4	1.430167	3180.205	16955.35	2	0	2 No
28	4	1.110179	3045.373	10250.27	2	0	2 No
49	5	15.60518	3539.613	16170.83	1	0	0 No
44	6	5.423017	2860.226	7849.753	1	0	2 No
55	5	26.59797	5199.7	10668.93	2	1	2 No
56	6	11.31165	3567.533	18716.36	2	0	0 No
68	6	9.777174	3442.77	22580.22	2	0	0 No
53	4	1.276601	2460.451	17409.56	0	0	1 No
41	5	5.86049	3260.894	13892	2	0	0 No
42	5	18.5156	4478.736	7918.09	2	0	2 No
19	5	8.144637	3055.706	3371.581	0	0	0 No
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82	4	11.95423	2988.86	13464.46	1	0	0 No
85	5	8.449399	3133.509	28030.1	1	0	2 No
28	4	14.27615	3583.763	5466.8	1	1	2 No
61	5	19.31287	4529.899	10907.01	2	0	2 No
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45	4	3.403577	2634.176	7928.048	1	0	2 No
26	5	1.755291	2145.238	4576.736	0	0	1 No
68	7	2.199123	2780.785	22558.3	2	0	1 No
86	7	6.236055	2572.968	27901.96	1	1	0 No
42	6	11.22863	3646.845	14253.42	2	0	0 No
22	4	1.134708	2768.029	4423.135	2	0	1 No
40	5	7.825049	2834.798	13298.99	1	1	1 No
50	5	5.605067	2839.681	16513.62	0	0	1 No
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57	5	13.42464	3284.772	18621.93	0	0	1 No
52	5	11.11837	3110.865	17017.35	0	0	1 No
41	5	2.807172	2231.427	7081.085	1	0	1 No
65	5	4.372201	3394.091	11707.4	2	0	2 No
54	7	2.891166	2837.046	18184.28	1	0	2 No
68	8	19.23441	4116.039	22702.16	2	0	1 No
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22	6	6.93701	2822.615	7773.771	1	1	1 No
39	5	5.542261	2930.135	7067.297	0	0	2 No
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27	5	2.234412	2883.445	9530.324	2	0	1 No
44	5	2.635364	2877.795	7827.109	2	0	0 No
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72	4	6.355431	3060.763	24581.64	2	1	1 No
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26	5	5.152489	3435.529	5369.509	2	0	2 No
83	6	3.648613	2491.847	13729.86	0	0	1 No
59	5	15.23092	3777.315	10309.86	2	0	1 No



66	7	10.77954	3349.902	22208.85	1	0	2 No
63	4	14.17011	3669.065	10991.51	1	1	2 No
44	6	8.713563	2874.192	14455.26	1	0	1 No
79	3	3.06825	2922.306	13422.02	2	0	1 No
28	4	19.88619	3677.33	4901.177	1	0	1 No
78	6	13.8299	3074.024	12847.95	0	0	1 No
44	5	4.158323	2865.83	7770.898	2	0	1 No
37	6	6.10323	2889.527	6674.184	1	0	2 No
43	7	3.20942	2690.662	7637.823	2	0	1 No
22	3	5.896135	2924.3	8036.701	0	1	2 No
52	5	16.73816	4125.01	9005.512	2	0	0 No
69	6	1.315296	2120.555	11662.16	1	1	0 No
76	6	3.489335	2614.769	13019.13	0	0	2 No
52	4	1.98094	2696.264	9086.332	2	0	1 No
32	7	3.779762	2664.032	6169.057	1	0	2 No
21	6	3.021761	2952.807	4108.318	2	0	1 No
56	5	16.42593	3418.368	9355.838	0	1	0 No
84	3	6.609199	2592.694	14028.87	1	1	1 No
68	6	6.549661	2998.664	12244.88	2	1	0 No
39	6	13.18225	3664.912	6998.777	2	0	1 No
37	6	3.904067	2467.036	12396.49	1	1	1 No
72	6	14.74473	3135.788	11932.68	0	0	1 No
75	6	13.42649	3906.76	25593.66	2	1	1 No
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43	4	1.30595	3189.335	8174.617	2	0	2 No
76	5	13.25106	3687.296	25395.97	0	1	2 No
21	4	2.866353	2735.404	4190.604	2	0	1 No
19	5	1.780063	3073.152	4337.795	2	0	2 No
22	4	14.90054	4076.819	8637.247	2	1	1 No
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71	4	8.018045	3173.368	23700.68	0	0	2 No
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19	3	10.93857	2845.959	3369.833	1	0	1 No
44	5	2.875087	2390.662	7225.083	0	0	0 No
59	5	8.816499	2826.198	19365.19	0	0	1 No
35	4	2.759184	2594.091	6407.954	2	0	1 No
76	5	9.255133	3451.285	13538.72	2	1	1 No
41	3	19.18726	4025.617	14028.76	0	1	2 No
52	3	2.756776	3178.648	10094.83	2	1	2 No
31	3	8.313105	3279.438	10873.29	0	0	2 No
80	4	11.11124	2878.44	26141.87	0	0	1 No
38	4	5.950851	3282.92	13053.2	2	0	1 No
20	5	13.4738	4177.039	4987.022	2	1	2 No
34	3	15.13671	3189.945	5953.739	1	0	1 No
26	6	3.376312	3058.151	5317.458	2	0	2 No
38	4	12.50992	4047.225	7340.614	2	0	2 No
39	7	3.727662	2161.122	6674.358	0	0	1 No

66	5	13.76566	3457.69	11413.32	0	0	2 No
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88	4	11.33967	3128.999	28580.82	0	0	1 No
42	4	4.180573	2758.423	7653.366	1	1	2 No
57	4	6.370864	3103.831	10029.66	0	0	2 No
24	5	11.78944	3821.903	9257.053	2	1	1 No
41	5	10.61493	3027.176	6897.576	0	0	0 No
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78	4	17.77018	3968.885	13476.93	2	0	1 No
69	4	16.11914	3823.66	12457.51	2	1	0 No
53	4	6.383853	2633.104	8905.369	0	0	1 No
55	6	4.332919	2323.039	17876.59	1	0	0 No
33	3	1.528739	2757.852	11458.8	0	0	2 No
36	4	7.669806	2803.291	12004.16	0	0	0 No
58	4	2.369845	2382.218	18994.89	1	0	0 No
65	6	7.463708	2579.569	21297.09	0	0	1 No
23	6	3.835717	2866.573	8093.229	2	0	0 No
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56	4	16.47507	4055.885	18804.24	2	0	1 No
35	6	2.763939	2815.478	6262.019	2	0	0 No
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26	6	14.43983	3748.646	9230.465	2	0	1 No
75	5	20.81472	4573.131	13361.12	2	0	2 No
36	5	15.07155	3721.788	6592.611	0	0	2 No
41	4	5.425288	2958.272	7381.509	2	0	1 No
84	5	6.772235	3233.678	14088.78	2	0	0 No
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57	4	9.854646	2963.52	9498.981	0	1	0 No
51	5	4.604189	3078.587	17084.27	2	0	0 No
43	5	8.669638	3091.875	14664.92	1	0	2 No
60	4	2.339656	2779.745	10436.37	2	0	1 No
38	5	5.028014	3157.567	12950.46	2	0	1 No
35	5	3.310497	2298.944	11779.97	0	1	1 No
24	6	5.563123	2396.662	4207.351	0	0	1 No
36	7	4.908458	2938.263	12447.09	1	0	2 No
85	7	19.43441	4022.911	14688.59	0	1	2 No
50	7	14.69764	3346.181	8495.53	1	0	1 No
84	6	4.596451	3461.018	14772.29	2	0	2 No
28	6	13.4051	3265.806	4799.64	0	0	0 No
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35	5	11.92323	3501.451	6503.98	0	0	2 No
49	5	8.086593	3386.141	16500.84	2	0	1 No
56	6	9.135054	3202.63	10385.38	2	1	1 No
80	4	18.81511	3483.469	13033.51	1	0	0 No
65	4	1.75655	2390.263	21079.21	0	0	0 No
40	4	19.46639	3742.241	6757.398	0	0	0 No

35	5	22.26944	3910.17	5934.09	0	0	0 No
66	4	4.02578	2783.019	11164.25	2	0	0 No
49	6	2.433621	2880.051	8585.338	2	0	0 No
45	6	2.846334	2956.766	15215.97	2	0	1 No
65	5	2.034044	2971.928	21590.96	2	0	1 No
78	5	10.66951	3074.087	25238.78	0	0	0 No
77	5	9.771445	3308.648	13374.49	1	0	2 No
77	6	17.57073	3915.264	13395.21	0	0	2 No
25	3	6.351134	3293.612	8972.087	2	0	1 No
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48	5	10.029	2763.555	8182.244	1	1	1 No
79	7	18.41285	4115.534	13422.02	2	0	1 No
33	5	1.604364	2696.936	11616.15	2	0	1 No
69	4	6.758079	3109.278	23039.59	2	0	1 No
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51	4	10.79005	3496.077	17329.35	2	0	1 No
56	5	24.06811	4426.212	9810.942	2	0	1 No
42	6	1.251343	2264.362	7294.537	0	1	1 No
75	4	12.40486	3491.015	12886.06	0	0	2 No
47	5	27.10126	5233.963	8662.705	2	0	2 No
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70	4	7.637016	3234.455	11926.76	2	0	0 No
44	3	4.861253	2631.58	14693.1	1	1	1 No
20	5	4.929866	2925.622	4060.807	2	0	1 No
34	5	2.317557	2729.908	11598.67	2	0	0 No
64	7	5.76506	2913.56	21273.83	1	0	2 No
81	5	17.17341	3830.003	13975.96	1	0	2 No
39	5	4.47326	2866.169	7547.18	2	1	0 No
77	5	1.127748	2250.982	12618.25	0	1	0 No
78	4	14.48715	4054.316	25891.16	2	0	1 No
69	5	16.37838	3912.014	11936.23	1	0	2 No
84	4	12.17005	3520.707	14317.67	1	0	2 No
80	5	7.908524	2639.478	13187.75	1	0	0 No
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86	6	18.27608	4622.27	28846.14	2	0	2 No
56	3	9.074749	3464.583	19304.42	2	1	0 No
43	4	12.91327	3619.246	7737.128	1	0	2 No
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29	7	8.756285	2998.117	9519.017	1	0	0 No
39	5	3.910052	2381.474	6627.602	1	0	0 No
19	7	3.005523	3159.401	4334.517	2	0	2 No
85	6	21.3571	4091.086	14382.08	1	0	2 No
37	4	15.34631	4114.15	7125.566	2	0	2 No

76	4	3.388553	2945.057	13569.5	2	1	1 No
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64	4	29.89012	5055.958	11611.74	2	1	1 No
31	5	9.940287	2802.703	5331.419	1	0	1 No
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42	4	1.797922	2595.634	7559.376	0	0	2 No
79	5	1.372357	3159.202	13914.37	2	0	2 No
73	6	13.86153	3637.548	24156.18	1	0	2 No
78	6	13.34771	3242.25	13186.89	1	0	1 No
66	4	14.81583	3662.294	11474.89	1	0	2 No
23	3	11.75111	3977.632	4880.709	2	0	2 No
59	3	3.328442	2203.614	9849.605	1	0	0 No
81	6	5.783377	3452.85	27285.69	2	0	2 No
39	4	3.488924	2868.135	7624.721	2	1	1 No
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21	3	3.088965	2621.112	4077.533	2	0	1 No
79	4	2.268036	2438.405	13181.52	1	1	1 No
18	5	23.61437	4603.744	3760.094	2	0	1 No
70	5	8.937926	3443.627	23311.89	2	0	1 No
35	4	6.623486	3607.801	12512.81	2	0	2 No
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86	6	9.791997	3643.519	15007.65	2	0	2 No
47	3	17.0177	3902.39	8417.293	1	0	2 No
28	5	16.7415	3372.275	4808.066	0	1	0 No
35	5	13.42998	3881.927	6951.224	2	0	2 No
89	3	16.02471	3755.114	29366.15	0	0	2 No
58	5	13.46781	3285.04	9687.825	0	0	1 No
48	5	19.85642	4247.056	8409.944	2	0	1 No
32	7	15.29319	3315.611	5499.103	1	0	1 No
87	4	1.352688	2309.786	28312.06	1	0	1 No
52	5	26.62547	4635.757	9380.832	2	0	1 No
41	5	22.9053	4805.01	7870.58	2	0	2 No
58	5	12.0629	3255.814	18972.98	1	0	1 No
54	5	5.861569	3357.498	18132.38	2	0	1 No
76	6	7.741949	3272.756	25325.82	2	0	1 No
65	5	12.04915	3708.758	21537.15	2	0	0 No
59	5	8.807487	2940.762	19467.88	0	0	1 No
78	5	9.966424	3451.531	25788.42	2	0	1 No
83	4	13.68136	3183.02	26972.4	0	0	1 No
61	6	2.702786	2747.535	10610.57	2	0	1 No
41	3	13.42209	3467.786	7368.162	2	0	1 No
57	3	12.24098	3688.739	18985.39	2	0	0 No
83	5	2.232879	2236.112	26895.41	0	0	0 No
40	6	7.746083	2729.199	6804.155	1	0	1 No
26	7	5.630514	2603.24	4559.298	1	0	1 No
59	6	22.50952	4383.65	10249.44	2	0	0 No
73	6	6.361783	2694.687	23953.17	1	1	1 No

46	5	7.707871	2717.027	7648.98	0	0	0 No
31	6	14.95923	4264.38	11262.55	2	0	2 No
30	5	12.79156	3118.05	5188.276	1	0	1 No
61	4	4.169633	2616.704	20088	0	0	1 No
25	5	8.919271	3427.935	8879.419	2	0	1 No
33	4	9.69576	3502.243	11510.03	1	0	2 No
82	5	2.043808	2597.963	14184.5	1	0	2 No
74	6	21.41219	3682.105	12287.91	0	0	1 No
40	4	5.409128	2650.038	13239.06	0	0	1 No
38	6	5.854936	2954.328	6959.54	0	1	2 No
72	4	12.30668	3756.13	23953.62	2	0	0 No
52	5	1.14674	2206.797	16919.09	0	0	0 No
45	3	6.977965	3465.586	15681.36	2	0	2 No
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25	5	1.245979	2728.152	8764.536	2	0	0 No
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40	6	2.386329	3269.462	14169.13	2	0	2 No
43	5	13.47064	3151.653	7496.238	1	1	1 No
39	4	11.54292	2970.681	6895.079	0	1	1 No
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74	7	20.96624	4492.111	25161.79	2	1	0 No
56	5	4.006117	2831.145	9879.614	2	0	1 No
89	7	10.50315	3859.787	15609.26	2	0	2 No
70	6	12.08016	3670.467	12473.69	2	1	0 No
58	6	7.281923	3024.354	10648.26	2	1	1 No
83	4	9.018464	3704.731	27803.07	2	0	2 No
42	3	7.392107	3302.803	14259.01	2	0	1 No
34	6	14.66074	3641.363	11440.94	1	0	1 No
81	6	9.412119	3938.682	14440.69	2	0	2 No
66	4	18.6516	4611.5	11960.34	2	0	2 No
28	5	6.302643	2447.314	4952.411	1	0	1 No
62	4	3.354446	2443.178	10173.83	0	0	0 No
56	4	14.12347	3645.517	9709.405	2	0	0 No
61	6	3.421723	3399.073	11126.33	2	0	2 No
43	5	1.590273	2192.303	14115.75	0	0	0 No
72	5	6.964948	2985.6	12404.31	1	0	2 No
62	4	17.2328	3428.054	10372.2	0	0	0 No
37	5	12.32734	3011.489	6377.191	1	0	1 No
79	6	17.5848	4391.557	13986.32	2	0	2 No
70	6	7.75912	3354.914	23198.82	2	0	1 No
35	7	2.968701	2358.412	11753.66	0	1	0 No
42	4	1.576166	2676.293	7437.275	2	0	0 No
76	5	12.61205	3133.945	24726.86	0	1	0 No
86	4	6.357687	3162.585	28484.03	2	0	1 No
59	5	1.573359	2309.534	9860.11	1	1	1 No
56	5	3.886296	3186.052	10186.94	2	0	2 No

18	7	13.47363	4154.924	7140.008	2	0	2 No
18	5	15.83599	4305.592	4128.992	2	0	2 No
40	6	4.650425	2349.055	13352.13	0	0	1 No
26	4	6.15023	3005.701	9196.25	1	0	2 No
58	4	18.42355	4435.916	10490.67	2	0	2 No
88	4	1.322914	2476.406	14863.97	2	0	1 No
63	5	4.125244	3359.302	11293.57	2	0	2 No
34	5	7.791766	2832.071	11233.39	1	0	0 No
56	5	1.784265	2602.905	18783.69	0	0	2 No
27	5	13.26849	3226.461	9044.878	1	0	1 No
23	5	9.995954	3246.736	4398.695	2	0	1 No
66	5	1.81168	3207.307	12486.82	2	1	2 No
40	6	4.95211	3259.219	7538.637	2	0	2 No
37	6	15.96494	3791.565	6725.686	1	0	2 No
65	5	17.13809	3844.699	11261.17	0	1	2 No
26	5	18.2541	4371.195	6002.01	2	1	2 No
18	6	1.097897	3137.456	7047.654	2	0	2 No
79	6	2.19886	2752.241	13500.88	1	0	2 No
80	7	2.660103	2246.553	25886.41	0	0	0 No
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85	5	16.40187	4406.954	28478.2	2	0	2 No
82	4	19.47378	4599.042	14464.79	2	0	2 No
20	7	26.77258	4733.7	7360.399	2	0	1 No
33	5	12.94122	3100.335	10935.66	1	0	1 No
30	4	10.29233	3696.785	6134.972	2	0	2 No
48	3	4.452533	2501.127	8307.888	0	0	1 No
34	5	4.766036	2599.672	11532.54	1	1	0 No
43	5	19.74465	3545.471	7364.905	1	0	1 No
79	5	5.006863	3449.873	26522.02	2	0	2 No
21	4	21.15904	4600.375	5329.033	2	1	2 No
46	4	1.686805	3170.803	9237.859	2	1	2 No
57	4	12.10002	3104.285	18787.39	0	0	0 No
81	4	2.124773	2319.24	13757.71	0	0	1 No
32	5	9.562149	3658.995	6253.988	2	0	2 No
29	7	9.67358	3307.337	5423.751	2	0	1 No
76	6	20.08221	4278.753	13001.85	2	0	1 No
61	6	16.15318	4250.787	11023.91	2	0	2 No
28	4	9.806198	2937.449	9202.034	0	0	0 No
73	6	7.410062	3252.532	12405.22	2	0	0 No
25	5	14.20454	3677.693	4710.675	2	0	0 No
18	4	5.162516	2850.695	3705.582	2	0	1 No
49	6	12.3793	3649.237	16555.62	2	0	1 No
20	4	14.92403	4188.62	7595.822	2	0	2 No
47	4	20.73842	3979.907	15317.78	0	0	0 No
21	5	2.238857	2709.777	7499.311	1	0	2 No
33	6	5.430344	2473.541	10989.68	1	1	0 No
51	6	8.362338	2600.558	8508.978	0	0	1 No

32	3	5.563868	3480.606	6253.988	2	0	2 No
31	6	6.024136	3033.173	10705.2	0	0	2 No
27	2	18.25453	4061.215	9427.588	2	0	1 No
58	5	2.143639	3042.849	19356.89	2	0	0 No
48	4	16.62792	4402.009	17302.15	2	1	2 No
50	6	6.361408	2935.246	8813.24	0	0	2 No
77	6	2.553554	2636.922	13266.32	2	0	0 No
35	4	20.61655	4116.965	6356.453	2	0	1 No
78	6	14.16294	3801.009	13461.79	1	1	2 No
60	6	18.50642	4608.647	10863.33	2	0	2 No
39	5	3.277226	2981.161	13234.58	2	0	0 No
83	5	3.737689	3338.848	14474.41	2	0	2 No
35	4	11.25929	3050.92	11706.43	1	0	1 No
31	5	19.58428	4230.821	11614.92	2	1	1 No
41	5	3.159931	3306.415	14461.89	2	0	2 No
67	4	6.680871	2649.565	11150.23	1	0	1 No
26	7	12.31675	3951.06	6111.535	2	1	2 No
48	5	12.40478	3141.527	15982.58	1	0	1 No
37	6	15.90086	3684.386	12748.27	0	1	2 No
18	5	1.046655	2600.465	3595.79	2	0	1 No
26	8	12.31386	3594.658	4972.792	2	0	1 No
67	5	21.01438	4161.833	11556.62	2	0	1 No
73	5	6.497846	2999.069	24156.18	1	0	2 No
54	5	3.849937	3026.728	18105.43	2	0	1 No
41	6	1.012481	2743.397	14003.6	2	0	1 No
54	5	16.8306	3878.703	9458.995	2	0	1 No
57	5	9.322155	3290.167	19141.79	1	0	2 No
45	3	12.07623	3720.982	8023.833	2	0	1 No
73	6	17.16301	3727.839	23768.03	1	0	0 No
73	5	3.302683	2385.319	23889.97	0	0	1 No
52	5	5.670074	2577.429	17227.69	1	1	1 No
43	3	6.024685	2555.649	14282.13	1	0	1 No
34	5	2.750561	2373.489	11215.96	1	0	0 No
41	6	14.30039	3710.343	14154.09	1	0	2 No
41	4	6.369422	3730.644	14506.33	2	0	2 No
57	5	9.332946	3400.146	10651.98	2	1	1 No
63	5	18.34777	3658.46	10470.01	1	0	1 No
29	4	19.97438	3941.868	9798.472	0	0	1 No
74	4	8.486856	3344.014	12800.86	2	0	1 No
67	4	19.95552	4284.638	22423.06	2	0	1 No
40	4	4.074041	2983.344	13653.75	2	0	0 No
81	6	4.381944	2899.96	27341.74	2	1	0 No
46	4	14.14826	3149.847	7781.302	1	0	1 No
28	7	3.499021	2714.391	5913.109	2	1	1 No
27	5	13.67453	3791.362	5041.019	2	0	1 No
84	6	6.921293	3279.748	28559.18	2	1	0 No
30	5	32.09807	5658.013	6001.498	2	0	2 No

24	6	5.34159	2524.305	4270.557	0	1	1 No
89	4	6.435864	3101.056	29557.42	0	0	2 No
75	5	6.024386	3613.073	25210.19	2	0	2 No
64	6	19.17345	3653.239	10651.31	0	0	1 No
57	4	14.54112	3889.478	19107.88	2	0	1 No
49	5	6.007383	3598.666	9096.938	2	0	2 No
29	5	18.27971	4437.369	5854.531	2	0	2 No
78	6	7.70975	2726.222	12991.8	1	0	1 No
82	6	6.199227	2764.672	13654.58	1	0	1 No
43	5	1.964394	2287.032	14282.13	1	0	1 No
47	6	6.985677	3330.082	15832.81	2	0	1 No
66	5	11.18941	3609.776	11263.72	2	0	0 No
42	4	14.83355	3372.84	7231.331	0	0	1 No
64	8	3.244309	2473.625	21038.4	1	0	1 No
69	5	13.29391	3185.645	11485	0	0	1 No
50	6	7.500855	2814.454	16360.85	1	0	0 No
28	5	10.26146	3114.955	9550.161	0	0	1 No
75	6	12.43692	2968.731	12230.6	0	0	0 No
59	5	7.296391	2539.651	9890.895	0	1	1 No
37	4	9.435704	3221.457	6761.617	0	1	2 No
59	7	4.351445	2357.06	9942.629	1	1	1 No
36	6	5.183103	3107.622	6640.486	2	0	1 No
45	5	26.14184	4861.155	16054.44	2	1	1 No
20	5	16.8003	3490.317	6772.265	1	0	1 No
72	6	12.50471	3576.892	23789.31	2	0	0 No
86	5	4.9718	3550.287	14997.32	2	0	2 No
59	6	12.29059	3741.129	19744.47	0	0	2 No
79	6	17.23575	4203.36	26061.93	2	0	0 No
81	5	5.953124	2968.118	27294.33	2	1	0 No
55	4	2.277374	2516.364	9655.356	1	1	2 No
38	5	14.28489	3180.73	6432.957	1	0	0 No
79	6	16.84509	3870.36	13542.04	1	0	2 No
64	5	22.97779	4836.257	21714.83	2	0	2 No
63	5	13.74456	3946.986	20927.41	2	0	0 No
76	5	24.23468	4466.07	25101.14	2	0	0 No
39	3	12.21266	3269.859	6961.283	1	0	2 No
35	4	3.440141	2611.639	6435.308	0	0	2 No
88	3	22.84823	3813.935	14505.26	0	0	1 No
36	6	19.223	4429.58	12409.24	1	0	2 No
40	4	11.41566	3438.267	7320.385	2	0	1 No
19	4	17.6602	3815.048	3845.446	2	0	1 No
88	6	15.3367	3326.594	14450.48	0	0	1 No
83	7	25.34493	4577.25	14125.92	2	0	1 No
43	4	10.0054	2769.497	7438.179	1	1	1 No
76	4	7.416851	2703.124	12730.57	0	1	1 No
20	4	5.983466	2432.072	3678.097	0	0	1 No
65	4	9.865698	3421.719	21777.15	0	1	2 No



27	4	23.35924	4461.151	5001.052	2	0	0 No
79	5	1.069797	2639.94	26086.15	2	0	0 No
77	3	5.787498	3506.805	13685.56	2	0	2 No
36	6	5.586628	3154.18	12454.19	1	0	2 No
64	4	13.09308	3794.295	21431.49	2	0	1 No
45	4	14.70186	3354.174	7672.222	0	0	1 No
19	5	20.68622	4149.108	4002.648	2	0	1 No
88	5	7.263453	3282.318	29148.55	2	0	1 No
27	5	4.294589	2813.889	5182.482	2	0	0 No
39	4	3.279902	2453.534	13095.07	0	1	1 No
34	4	4.394757	3213.551	6746.512	2	0	2 No
20	5	3.385389	2491.864	6840.937	1	0	1 No
47	5	14.00331	3262.105	15508.4	0	0	1 No
70	6	35.56565	5103.179	23033.56	0	1	1 No
58	3	3.964205	2888.292	10090.98	2	0	1 No
38	5	12.30571	3934.632	7306.55	2	0	2 No
70	7	22.08669	4210.547	12031.65	1	0	2 No
38	4	13.05205	4038.487	13432.48	2	0	2 No
44	5	3.493497	2329.462	14428.95	1	0	0 No
68	5	12.80343	3284.51	22516.17	1	1	1 No
37	6	2.660897	2451.809	6263.677	1	1	0 No
60	7	10.40513	3693.568	10552.72	2	0	1 No
81	4	10.0522	3821.936	14211.54	2	0	2 No
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44	4	11.13996	3341.375	7883.969	2	0	1 No
52	5	9.675849	2806.569	8838.295	1	0	0 No
86	6	1.277432	2825.688	28323	2	0	1 No
56	4	2.608902	3369.872	10354.53	2	0	2 No
33	4	17.94138	4140.978	6046.825	2	0	0 No
66	6	5.833923	2619.907	10920.97	1	0	1 No
76	6	13.0297	3175.367	12457.67	1	1	0 No
23	6	11.87655	2983.396	4067.487	0	0	1 No
76	4	1.517768	2676.646	25107.93	2	0	0 No
41	5	9.802637	2815.99	7062.005	1	1	1 No
83	6	5.33419	2977.985	27482.08	2	0	1 No
23	5	1.71204	2288.848	3983.121	0	0	0 No
74	4	9.724575	3349.574	24570.43	0	1	2 No
84	6	10.66089	3749.024	14778.85	2	0	2 No
57	4	13.52709	3622.184	9971.523	2	0	1 No
40	5	9.218676	3780.816	14062.62	2	0	2 No
59	6	7.23394	2997.698	10422.77	1	0	2 No
30	5	11.08147	3408.533	5503.512	2	0	0 No
79	4	3.489269	3307.124	14543.59	2	1	2 No
71	5	6.035724	3240.658	12159.29	2	0	0 No
64	4	3.211034	2815.388	21359.54	2	0	1 No
52	3	7.533155	2607.82	8741.51	0	0	1 No

39	6	11.53774	3446.399	7087.7	0	0	2 No
34	3	1.564552	3210.065	6602.107	2	0	2 No
57	7	9.627915	3189.702	9943.547	1	0	2 No
58	5	18.07331	4223.498	10802.49	2	1	1 No
81	6	16.45513	4201.886	26934.07	1	0	2 No
54	4	5.531504	2919.889	18159.74	1	0	2 No
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55	4	4.173206	2709.953	9650.361	2	0	1 No
73	4	6.029876	2948.198	12408.5	2	0	0 No
54	4	2.835872	2873.047	18238.95	2	0	1 No
22	4	4.126206	3366.802	8937.518	2	1	2 No
77	5	10.29608	2699.325	12829.58	0	1	1 No
61	5	9.595215	3712.541	11659.92	2	1	2 No
69	4	23.99429	4565.222	23075.64	0	1	2 No
80	6	12.53261	3902.388	14044.17	2	0	2 No
44	5	2.697822	2602.557	14988.46	0	0	2 No
81	3	11.47949	3502.666	13777.64	1	0	2 No
67	6	12.99833	3846.558	11956.61	2	0	2 No
76	4	16.66951	4051.603	25230.18	2	0	1 No
57	5	8.516731	3263.321	19757	2	1	1 No
42	5	2.263249	2661.002	7446.305	1	0	2 No
47	4	5.479936	3512.096	8728.098	2	0	2 No
87	7	19.35622	4198.871	28507.67	2	0	0 No
38	3	9.361859	2855.361	12498.64	0	1	0 No
71	7	10.29954	3404.561	23722.72	1	1	2 No
34	5	13.74203	3774.612	6267.823	2	0	1 No
44	6	8.117643	3259.253	7890.606	1	0	2 No
41	5	2.921803	3293.582	14533.84	2	0	2 No
79	3	30.84927	4773.09	25667.68	0	0	1 No
24	7	22.8595	4954.927	5171.486	2	0	2 No
67	5	6.442058	3008.181	22265	2	0	1 No
81	4	1.380714	2811.143	26717.87	2	0	1 No
61	5	5.697303	2678.045	19801.44	0	0	0 No
22	5	1.292647	3386.682	8575.29	2	0	2 No
75	5	10.39355	3898.379	13818.98	2	1	2 No
26	4	2.351023	2733.551	9149.646	2	0	0 No
42	5	17.75892	4322.745	7972.87	2	0	2 No
24	5	9.524847	3475.029	9126.811	2	1	1 No
52	6	12.99679	3089.808	8701.542	1	0	0 No
68	6	23.83141	4644.965	22551.59	0	0	2 No
52	7	7.110205	3255.139	17547.19	2	0	1 No
56	5	4.422352	2776.364	9869.081	0	0	2 No
82	4	12.4813	3451.281	13872.98	2	0	1 No
32	4	13.17258	3066.65	5543.501	0	0	1 No
70	7	6.437524	2796.657	11966.8	1	0	2 No
77	6	2.63537	3300.331	14140.14	2	1	2 No
79	5	12.27971	3199.804	25749.97	1	0	1 No

88	6	15.91466	4418.837	29558.61	2	0	2 No
35	4	32.03259	5184.902	6531.093	2	0	1 No
49	6	8.932239	2916.674	16059.84	1	0	1 No
53	6	3.479783	2912.612	17976.98	2	0	1 No
76	5	6.679934	3602.484	26262.41	2	1	2 No
79	4	1.144676	3106.236	13883.59	2	0	2 No
51	6	4.431175	2549.736	16595.55	1	0	0 No
51	6	16.0135	4044.499	18010.08	2	1	1 No
52	4	2.820055	2891.506	17639.55	2	0	1 No
23	6	7.501392	2530.915	3883.664	0	0	0 No
67	5	11.12286	3336.855	21824.55	1	0	1 No
61	4	2.368507	3034.164	11229.46	2	1	1 No
21	7	5.677516	2687.552	7246.763	1	0	1 No
22	5	6.737065	2758.846	7369.541	0	0	0 No
28	5	1.009143	2676.317	5372.962	2	0	1 No
74	6	25.11696	3974.297	12315.41	1	0	1 No
88	5	13.03631	3690.815	29145.12	0	0	2 No
30	6	7.091598	3030.355	5663.187	0	0	2 No
89	5	8.779514	3352.634	15254.21	2	0	1 No
87	5	70.29151	8333.857	28753.06	2	0	1 Yes
87	4	64.93704	7331.058	14157.58	0	0	0 Yes
31	5	46.79341	5835.631	5406.158	0	1	0 No
66	5	38.51887	5741.907	11334.47	2	0	1 No
30	6	36.22146	5541.325	6225.088	2	1	0 No
32	4	59.33979	7285.025	5950.286	1	0	2 Yes
61	6	54.31234	6997.381	10368.46	2	0	0 Yes
31	6	46.11615	6424.993	5857.984	2	0	1 No
28	6	68.58989	7780.328	9365.14	0	0	1 Yes
76	4	60.17843	6872.691	12557.57	0	0	1 Yes
37	5	66.02687	8349.668	7200.749	2	0	2 Yes
36	4	53.97806	6338.212	6185.826	0	0	1 No
32	6	52.47035	6299.819	5634.213	1	1	1 No
67	4	60.03045	7845.996	11956.61	2	0	2 Yes
67	6	62.52661	7257.308	11133.06	0	0	1 Yes
64	5	63.32927	7816.55	21554.63	2	0	1 Yes
39	6	67.49711	8656.694	13752.74	2	0	2 Yes
26	5	56.68309	6820.234	8906.36	1	0	1 Yes
30	3	68.36173	8212.633	6019.664	2	1	0 Yes
37	4	62.83514	8273.342	13348.11	2	0	2 Yes
70	4	62.53659	7271.32	11703.87	1	0	1 Yes
57	6	65.17339	7853.002	9889.237	2	0	1 Yes
67	7	65.34547	7367.049	11350.18	0	1	1 Yes
24	5	56.62944	7149.059	4790.412	0	1	2 Yes
32	3	67.74148	8404.045	6965.497	2	1	2 Yes
70	4	43.54559	6069.053	12118.85	1	1	2 No
58	3	68.49621	8122.756	10087.55	0	0	2 Yes
66	4	58.20788	7198.018	11478.32	2	0	1 Yes

81	6	70.87641	8476.294	13897.42	2	0	1 Yes
82	5	42.83067	6105.207	27161.67	1	0	2 No
38	4	57.45518	6806.65	6570.193	0	1	1 Yes
39	5	61.23402	7858.567	8068.848	2	1	2 Yes
40	7	62.96043	7852.682	7656.259	2	1	0 Yes
55	6	69.01159	8169.365	9736.158	2	0	1 Yes
48	5	57.48752	7802.674	8850.792	2	0	2 Yes
49	4	62.99465	7601.606	8656.09	2	0	1 Yes
23	4	63.57282	7312.813	7809.976	1	0	0 Yes
79	6	47.89628	6426.283	26202.52	0	1	2 No
86	5	57.99085	7064.794	14159.55	1	0	1 Yes
23	4	69.72002	8246.658	4505.208	2	0	1 Yes
83	4	58.43208	7506.947	27219.51	2	0	0 Yes
78	5	47.12515	6131.067	25408.55	1	1	0 No
39	5	48.27055	6950.939	7378.056	2	0	2 No
62	5	62.82707	7673.989	10703.68	2	0	0 Yes
64	6	65.60179	8035.706	21442.06	2	0	1 Yes
48	6	56.69796	7170.815	8363.187	2	0	0 Yes
61	6	49.4517	5992.797	10016.53	0	0	0 No
51	6	68.92767	8359.057	17175.43	2	0	1 Yes
64	5	70.43382	8394.512	11133.48	2	0	1 Yes
33	6	44.80465	6382.469	11551.3	2	0	1 No
39	4	42.43075	5650.101	12918.8	0	0	1 No
82	3	69.44809	8255.905	28058.04	2	1	1 Yes
76	4	70.70449	8026.633	24745.94	0	0	0 Yes
74	8	47.25459	5900.53	24206.95	1	0	1 No
81	4	55.44956	7584.398	27200.43	2	0	2 Yes
24	5	56.03173	7445.608	8535.324	0	0	2 Yes
31	4	66.69474	7978.559	5581.807	2	0	0 Yes
30	6	66.72864	7626.178	4976.947	0	0	0 Yes
55	5	45.42738	6402.867	10491.8	2	1	1 No
86	6	52.82572	6922.056	14502.84	2	0	0 No
65	6	57.34916	7724.524	22838.95	2	1	2 Yes
89	5	60.20158	7498.266	29427.64	2	0	1 Yes
89	5	49.00077	6078.439	14605.47	1	0	0 No
27	4	48.19086	6401.81	6029.59	2	1	1 No
73	6	62.02857	8084.02	12909.76	2	0	2 Yes
54	5	68.86084	8948.54	18675.97	2	0	2 Yes
27	6	64.54177	8493.007	9868.436	2	0	2 Yes
64	5	68.35246	8786.001	21718.1	2	0	2 Yes
53	6	58.08627	7310.16	17877.91	0	0	2 Yes
50	6	61.89127	7144.601	8464.746	1	0	1 Yes
31	4	69.08425	8688.581	6192.864	2	0	2 Yes
38	6	56.21742	7034.924	6804.133	2	0	1 Yes
67	4	62.69641	7832.476	11434.68	2	0	0 Yes
71	5	62.95958	7601.984	12209.32	2	0	1 Yes
39	5	52.19378	6630.972	7046.848	1	0	2 No

68	4	65.84975	7994.835	22637.16	0	0	2 Yes
30	4	61.95498	7077.937	5069.301	0	0	0 Yes
49	7	57.82795	7412.45	8789.61	2	0	1 Yes
69	6	58.08232	7493.811	23023.62	2	0	0 Yes
72	5	61.09036	7434.203	12263.89	2	0	1 Yes
24	5	66.98227	8341.837	5000.124	2	0	2 Yes
46	6	66.04611	8253.76	8625.262	2	0	2 Yes
18	5	37.14052	6057.302	7078.439	2	0	2 No
66	4	53.33293	7015.353	11392.76	2	0	1 No
78	4	69.004	8295.689	25807.06	2	0	0 Yes
40	5	53.20461	6386.417	6705.897	0	0	0 No
54	5	53.59939	6993.096	9479.445	2	0	1 No
33	5	50.62851	7074.72	6773.918	2	0	2 No
22	5	70.92071	8179.099	4102.514	2	0	0 Yes
83	3	52.92271	7346.75	14635.44	2	0	2 Yes
74	5	62.18294	7182.663	12233.13	0	0	1 Yes
21	4	70.38625	8437.032	4766.245	2	1	0 Yes
84	6	64.08729	8277.532	28147.01	2	0	2 Yes
38	4	62.0007	7123.416	12814.34	1	0	1 Yes
36	6	60.3766	7507.35	6784.028	2	0	1 Yes
88	5	41.00215	5834.215	15040.1	1	1	2 No
73	7	55.403	7042.051	12572	1	0	2 No
64	6	71.59583	8026.629	20851.3	0	0	0 Yes
25	6	50.95339	6838.093	8855.586	0	0	2 No
77	7	49.0794	6501.792	25522.94	2	0	1 No
74	4	65.16553	7964.681	24439.9	2	0	0 Yes
63	5	51.84785	7246.581	11232	2	0	2 No
78	6	64.52683	7360.553	12899.45	0	0	1 Yes
48	5	58.55401	6714.056	7949.693	1	0	0 Yes
40	6	65.28296	7678.906	7125.143	0	0	2 Yes
69	4	60.17337	7260.237	11812.78	1	0	2 Yes
47	5	69.78286	7989.658	15595.6	0	1	1 Yes
87	3	61.51311	7188.819	14428.33	0	1	1 Yes
64	5	58.65161	7525.836	21273.98	2	0	1 Yes
35	7	61.1166	7511.556	6428.404	2	0	1 Yes
78	6	55.07791	7281.108	13231.85	2	0	0 Yes
30	4	66.06372	8023.496	10569.96	0	0	2 Yes
86	5	70.56741	8347.62	28272.97	2	0	0 Yes
22	4	47.10976	6044.858	7495.073	1	0	1 No
53	5	60.75756	7493.048	9390.768	2	0	1 Yes
79	5	42.99701	6244.559	26183.91	2	0	1 No
27	4	60.95375	7559.897	9602.228	2	0	1 Yes
29	6	65.31165	7911.717	5564.328	2	0	1 Yes
79	7	56.91123	7454.282	26163.46	2	0	1 Yes
68	5	68.87734	8348.871	11826.99	2	0	1 Yes
64	6	63.92124	7823.255	10850.2	2	0	0 Yes
22	5	63.49143	7205.191	3923.527	1	0	1 Yes

60	7	57.83477	6748.212	10082.26	0	1	1 Yes
52	6	71.75396	7829.041	8588.739	1	0	0 Yes
35	5	64.35999	7472.468	11556.93	0	0	0 Yes
56	6	60.37277	7728.318	10190.22	2	0	2 Yes
60	3	53.17637	6505.27	19683.33	0	0	0 No
65	3	53.36749	7333.456	12387.81	2	1	2 Yes
70	6	67.73919	8146.158	23395.9	1	1	2 Yes
30	6	53.23082	6374.401	5004.453	0	0	0 No
52	5	61.63494	7018.243	16919.09	0	0	0 Yes
38	4	45.12426	6877.413	14020.53	2	1	2 No
79	5	66.56205	7956.843	13603.76	2	0	1 Yes
30	4	68.03139	7820.681	9962.416	1	0	0 Yes
23	5	71.01435	8580.673	8297.501	2	0	1 Yes
31	5	71.51327	8057.427	10634.08	0	0	1 Yes
37	5	71.63255	8237.425	7328.439	2	1	0 Yes
83	5	64.81956	7884.591	14075.88	2	0	0 Yes
86	6	48.64207	6679.466	14542.81	2	0	1 No
28	5	55.68867	7030.627	9899.978	1	1	2 Yes
22	6	64.29204	7268.463	3913.695	0	0	1 Yes
33	6	68.78915	7690.558	11029.65	1	1	1 Yes
18	3	64.48619	7869.546	4185.045	2	1	0 Yes
58	5	69.94485	8193.129	10730.54	2	1	1 Yes
75	5	54.53316	6797.19	12886.06	1	0	2 Yes
74	5	57.76257	7892.538	13193.48	2	0	2 Yes
19	5	52.222	6820.811	6934.018	1	0	2 No
40	5	51.96805	6920.009	7191.342	2	0	0 No
85	3	69.91167	8241.246	14467.79	2	0	1 Yes
76	6	61.0331	7522.6	13084.13	2	0	1 Yes
77	3	68.41606	8251.232	13563.7	2	1	0 Yes
24	4	48.54566	6458.059	8416.769	2	0	0 No
51	6	68.01623	8842.498	17592.59	2	0	2 Yes
88	8	68.30219	8242.87	14949.54	2	0	1 Yes
41	6	59.43353	7292.705	7462	1	1	2 Yes
40	5	45.69508	6411.563	7027.037	2	0	0 No
67	3	61.53832	7936.144	23400.46	2	1	2 Yes
69	4	68.04898	7431.473	11578.99	0	1	1 Yes
21	5	58.41343	6985.22	7202.318	1	0	1 No
68	6	63.82112	7770.278	22640.59	2	0	1 Yes
78	4	67.0846	8103.593	13340.45	2	0	1 Yes
47	5	57.35376	7285.13	8294.96	2	0	0 Yes
31	3	71.92171	7748.795	5269.85	0	0	1 Yes
39	5	69.35017	7855.82	13124.22	1	0	1 Yes
61	5	44.11637	5721.573	10145.57	1	0	1 No
73	5	64.50063	7385.583	23696.08	1	0	0 Yes
52	4	66.96207	7487.239	8619.523	1	0	0 Yes
39	5	39.6721	5553.852	6487.571	0	0	0 No
86	3	61.36315	8067.518	28763.85	2	0	2 Yes

38	7	66.78945	7474.064	6323.165	0	0	0 Yes
63	5	65.68917	8343.068	11314.29	2	0	2 Yes
72	6	68.69257	8143.225	12623.24	2	0	1 Yes
50	4	65.06768	7456.611	16585.53	0	0	1 Yes
47	4	68.14916	8619.838	9658.378	2	1	2 Yes
33	4	45.51635	6316.167	6179.146	2	0	1 No
47	4	56.5156	6707.45	8116.523	0	0	1 No
25	6	57.98235	6667.216	4416.155	1	0	1 Yes
33	4	58.46037	6996.942	10966.45	1	0	1 Yes
88	7	64.03321	7587.874	14952.35	1	0	2 Yes
49	5	54.34893	6480.18	8191.094	1	0	1 Yes
61	5	37.47384	5099.116	20202.39	0	1	1 No
30	4	56.71145	7188.666	10487.68	0	0	2 Yes
69	4	51.13652	7386.734	23565.69	2	0	2 No
42	6	68.44531	8268.25	7521.687	2	0	1 Yes
72	5	58.14907	7389.768	23870.13	2	0	1 Yes
37	4	65.94289	8244.402	7771.913	2	1	2 Yes
25	5	62.94781	8112.216	9365.212	2	0	2 Yes
79	6	49.37469	7000.063	26487.96	2	0	2 No
38	6	59.12763	7199.117	6834.765	1	0	2 Yes
27	3	66.77803	8191.764	10037.56	2	1	0 Yes
36	8	59.75756	7763.609	12494.96	2	0	1 Yes
69	4	55.01297	7647.934	24072.09	2	1	2 Yes
62	7	62.82172	7418.376	20333.03	0	0	1 Yes
66	3	68.46457	8051.023	22039.12	1	1	2 Yes
42	2	60.88722	7596.694	7562.807	2	0	1 Yes
53	6	65.97657	7953.422	18014.67	1	0	2 Yes
45	3	61.02766	7344.858	7996.721	1	0	2 Yes
33	5	63.94317	7325.992	5614.689	1	0	1 Yes
74	2	50.7607	7191.813	13029.18	2	0	2 No
79	3	50.96619	6724.173	13553.42	2	0	0 No
69	5	46.32752	6709.112	12257.06	2	0	2 No
24	7	60.06783	7374.983	4641.562	2	0	1 Yes
39	6	56.15441	7442.355	7457.063	2	0	2 Yes
22	4	54.55535	6325.834	3947.758	0	0	1 No
80	3	52.57742	6743.202	13579.17	1	0	2 No
32	6	64.19977	7740.723	11040.43	2	0	0 Yes
81	7	60.33143	7923.368	27210.77	2	0	2 Yes
81	2	55.75953	6715.961	26390.49	0	0	1 Yes
85	6	58.38492	7391.661	15066.23	2	1	1 Yes
85	6	69.95877	7857.376	27709.11	0	0	1 Yes
84	6	43.58585	5559.548	13842.22	1	0	1 No
27	5	53.6037	7053.129	5155.289	2	0	0 No
82	5	56.37583	7572.821	27657.45	2	0	2 Yes
49	5	62.73211	7261.813	16172.91	0	0	1 Yes
64	4	70.15775	8310.636	11237.38	0	1	2 Yes
48	7	63.68448	7167.845	7990.546	0	0	0 Yes

64	5	50.89543	6360.169	21039.83	1	0	0 No
84	5	71.05857	8057.067	13833.35	1	0	0 Yes
30	4	63.37686	7326.913	9965.695	1	0	0 Yes
51	4	53.40512	7074.879	17144.64	2	0	1 Yes
60	5	41.27253	5909.08	20105.85	0	0	2 No
18	6	52.93256	6364.869	6275.597	1	0	1 No
20	5	69.45231	7804.509	6753.014	1	0	0 Yes
48	6	60.30151	7488.121	8444.007	2	0	1 Yes
80	6	47.76656	6766.538	26398.16	2	0	1 No
76	4	39.87698	5596.294	13143.91	1	1	2 No
22	4	51.93924	6328.252	3719.804	1	0	0 No
79	6	65.63626	7999.835	13521.33	0	0	2 Yes
41	3	60.39912	8007.835	7791.572	2	0	2 Yes
26	4	59.01819	6969.773	8806.903	0	0	1 Yes
36	6	61.35761	7470.723	6487.448	2	0	0 Yes
63	7	70.88562	8349.128	21039.28	2	0	1 Yes
55	5	53.19457	6492.598	18060.42	0	0	1 No
45	3	60.50818	7372.471	14891.42	1	1	0 Yes
77	6	65.45614	8196.229	25687.24	2	0	1 Yes
28	4	58.60233	6990.688	9406.306	0	0	1 Yes
76	6	63.26725	7723.251	12773.89	2	0	0 Yes
64	3	67.08452	7413.027	10755.37	0	1	1 Yes
34	3	46.17311	6894.897	12192.55	2	0	2 No
53	5	69.5764	8142.124	17781.74	1	0	2 Yes
53	6	65.80559	7404.751	8802.634	1	0	1 Yes
54	5	68.11147	8259.683	9438.278	2	0	1 Yes
45	6	56.83517	7302.319	8106.119	2	0	1 Yes
72	5	53.07903	7423.566	13491.48	2	1	2 No
87	5	69.03367	8705.388	15332.54	2	0	2 Yes
84	5	67.42411	7645.522	13955.29	0	0	1 Yes
68	5	66.94791	7499.319	11385.99	1	0	1 Yes
62	6	62.19109	8230.316	21758.31	2	1	2 Yes
84	5	37.45035	5149.908	13777.37	0	0	1 No
89	5	70.01384	7891.867	14482.02	1	0	0 Yes
76	5	67.63943	7595.384	24883.17	1	1	1 Yes
20	4	43.23531	5871.469	4118.946	0	0	2 No
53	5	63.34084	7816.138	17929.02	2	0	1 Yes
48	5	61.06023	7494.222	8570.818	1	0	2 Yes
73	5	71.01388	8529.997	24850.4	2	1	1 Yes
80	3	67.10044	7997.02	13620.34	0	0	2 Yes
59	7	54.04255	7439.408	11287.57	2	1	2 Yes
39	5	65.6683	7980.569	7676.222	2	1	1 Yes
69	5	47.08756	5859.666	11371.93	0	0	1 No
55	7	71.813	8725.386	9978.138	2	0	2 Yes
65	6	66.79085	7497.577	10921.42	1	0	1 Yes
21	5	68.30933	7710.855	7202.318	0	0	1 Yes
88	6	66.44973	7644.598	28448.5	1	0	0 Yes



79	4	65.9629	8111.712	26031.14	2	0	0 Yes
78	4	61.94091	7085.562	12878.73	0	0	1 Yes
54	4	44.85185	5875.373	17936.88	0	1	1 No
89	6	64.16233	8346.614	30422.53	2	1	2 Yes
28	5	50.47986	6737.489	5386.622	2	0	1 No
64	5	68.21286	7676.742	10661.38	0	0	1 Yes
37	7	58.88926	8093.686	13108.39	2	0	2 Yes
74	4	59.14191	7334.231	12701.4	2	0	1 Yes
20	5	55.62912	7527.16	8296.996	2	1	2 Yes
62	4	51.40848	7213.833	11533.5	2	0	2 No
74	5	56.32081	7593.778	24948.22	2	0	2 Yes
31	4	61.87721	7229.563	5358.925	0	0	1 Yes
70	5	61.26516	7165.076	11635.25	0	0	1 Yes
58	3	71.23125	8402.982	19386.47	2	0	1 Yes
78	7	50.35305	6359.08	25429.71	1	0	1 No
85	4	65.82809	8647.4	14980.59	2	0	2 Yes
36	6	61.67432	7075.088	6195.894	1	0	1 Yes
41	6	46.00226	6222.481	7429.732	2	0	1 No
49	5	71.89389	8425.261	8686.405	1	0	2 Yes
64	5	41.86211	6116.799	21451.9	2	0	1 No
39	6	44.96839	6099.587	6995.346	0	0	2 No
81	5	66.16551	8193.772	27088.15	2	0	1 Yes
23	5	65.82184	8006.164	8919.62	2	1	1 Yes
52	4	57.8897	7669.687	9547.896	2	0	2 Yes
20	7	68.09456	8492.655	4327.015	2	0	2 Yes
63	5	62.27724	7832.758	10917.97	1	0	2 Yes
45	4	69.39408	7613.638	7608.696	0	1	1 Yes
41	6	69.47319	8559.754	13979.92	2	0	1 Yes
88	7	47.7215	6339.726	14966.56	0	0	2 No
79	4	63.85946	8272.06	26614.38	2	0	2 Yes
52	5	69.20962	8184.623	9168.618	2	0	1 Yes
67	6	69.3749	7987.635	11134.25	0	0	0 Yes
83	4	54.35997	6957.932	14052.2	2	0	0 Yes
79	5	59.70905	7152.42	25997.44	0	0	0 Yes
75	5	46.2524	6058.196	24509.77	0	0	1 No
55	4	50.44303	6247.898	18072.12	1	1	1 No
88	5	62.55284	7225.986	28621.49	0	1	0 Yes
52	6	62.63781	7758.466	17557.26	2	0	1 Yes
35	5	60.25017	7604.175	6356.453	2	0	1 Yes
61	6	52.68008	6317.905	10184.61	0	0	0 No
57	5	53.79092	7448.492	19606.52	2	0	2 Yes
27	6	61.15626	7686.065	5196.142	2	0	0 Yes
86	7	64.25419	7205.682	14194.16	0	0	1 Yes
63	4	70.06863	8643.037	11232	2	0	2 Yes
73	6	66.12849	7970.709	24187.11	2	0	1 Yes
22	5	46.60307	6358.568	7899.385	2	0	0 No
18	5	59.54734	7476.964	3743.469	2	0	1 Yes

70	6	71.42221	8645.151	23308.62	2	0	1 Yes
33	4	67.61362	7467.751	5798.073	1	1	1 Yes
18	5	66.05027	7439.706	6091.775	0	0	0 Yes
87	6	66.59316	7397.331	14341.4	1	0	1 Yes
59	4	67.45165	8115.782	10775.97	2	1	0 Yes
72	5	48.23513	6160.009	23628	0	0	1 No
76	5	69.8502	8185.374	12917.75	2	0	0 Yes
74	3	62.88447	7214.617	24241.01	0	0	1 Yes
29	6	63.33933	7706.275	10243.14	0	0	2 Yes
40	4	58.94004	6880.57	6685.494	1	0	0 Yes
74	5	70.47539	8495.172	12740.17	2	0	0 Yes
50	5	57.00324	7111.163	8813.24	1	0	2 Yes
84	3	68.39794	7605.792	13777.37	1	0	1 Yes
54	5	58.60374	6963.694	9179.021	1	0	1 Yes
58	6	58.52188	7489.296	19465.33	1	0	2 Yes
63	5	59.02528	7546.511	21098.77	2	0	0 Yes
42	4	71.96869	8492.714	14337.87	1	0	2 Yes
65	6	59.90823	7383.338	11218.68	0	0	2 Yes
45	5	68.84851	8094.453	7931.479	2	0	1 Yes
45	5	63.46366	7298.973	7600.271	1	0	1 Yes
66	6	64.57357	7719.609	11195.59	2	0	0 Yes
27	5	51.27807	6129.251	4740.596	1	0	1 No
59	6	67.44099	8145.065	10241.18	2	0	1 Yes
22	5	71.00686	8791.864	4723.906	2	0	2 Yes
48	5	42.60623	6470.035	16676.21	2	0	2 No
52	4	61.24662	7871.87	9547.896	2	0	2 Yes
66	6	67.22681	8047.02	22058.2	0	0	2 Yes
82	5	60.73125	7675.166	27247.38	2	0	1 Yes
55	7	58.59807	6915.203	18186.83	1	0	1 Yes
80	5	49.51596	6898.414	14290.44	2	0	2 No
23	4	45.18668	6579.712	8228.829	2	0	1 No
25	6	68.48959	7845.67	4439.883	1	0	1 Yes
76	5	65.20717	8209.584	13442.7	2	0	2 Yes
76	6	46.55617	6449.615	25181.96	2	0	1 No
22	5	69.42379	8922.716	8550.745	2	0	2 Yes
66	5	55.3074	6706.612	21713.53	0	0	1 No
33	5	64.63031	7151.354	5630.052	1	0	0 Yes
41	5	56.89036	7277.59	14097.15	2	0	0 Yes
59	5	52.38245	6283.575	9877.111	1	0	0 No
52	5	62.62485	8110.318	18504.19	2	1	2 Yes
24	6	71.12271	8523.165	8535.324	0	0	2 Yes
36	5	51.63338	6343.563	12062.89	0	1	1 No
43	6	56.92095	7092.57	7621.851	2	0	0 Yes
35	7	65.33168	8121.28	7109.127	2	1	1 Yes
75	5	55.07853	7610.408	13942.43	2	1	2 Yes
56	5	61.82211	7188.15	18383.96	1	0	1 Yes
41	5	61.29754	7863.772	7726.724	2	0	2 Yes

22	6	56.40967	6935.235	4041.748	1	1	1 Yes
26	4	58.10557	7215.169	4959.446	2	0	1 Yes
73	6	71.06275	7825.568	12156.03	1	0	0 Yes
49	5	43.59556	6162.034	8765.615	2	0	1 No
38	6	60.97754	7476.7	13008.75	2	0	1 Yes
65	7	53.89369	6989.349	11041.56	2	0	0 No
54	5	56.78484	6907.039	17734.25	1	0	0 No
51	5	70.53293	8318.884	17220.22	0	0	2 Yes
43	4	65.32317	7953.717	8373.059	2	1	1 Yes
26	4	43.6177	5683.965	4516.366	0	0	0 No
78	6	69.25481	7813.859	25562.91	1	0	1 Yes
18	6	66.84789	7746.552	3589.08	1	0	2 Yes
69	5	67.86269	8073.357	11987.57	2	0	1 Yes
27	4	69.42132	8126.606	5284.179	1	0	2 Yes
68	3	50.98977	6298.928	11158.04	0	0	0 No
38	6	67.23345	7948.924	7043.621	2	0	1 Yes
44	5	69.36463	8112.178	7883.969	2	0	1 Yes
53	6	71.90056	8561.111	9370.365	2	0	1 Yes
68	6	60.86631	6903.521	11200.53	1	1	0 Yes
36	5	64.35473	7528.908	6300.265	0	1	1 Yes
57	4	62.48577	7648.308	10074.26	2	0	1 Yes
19	5	59.59901	7072.354	6554.739	1	0	1 Yes
41	5	62.50077	7574.333	7494.58	2	0	1 Yes
85	4	55.98514	6663.017	14259.46	0	0	1 Yes
82	5	65.53468	7412.982	26873.41	0	1	1 Yes
50	6	67.60519	7654.587	16628.33	1	1	1 Yes
61	5	61.31409	7464.038	20088	0	0	1 Yes
30	7	68.81623	8118.986	10256.05	2	0	0 Yes
69	5	68.02626	7562.142	11515.79	0	0	1 Yes
51	4	67.64745	7596.041	16782.65	0	0	1 Yes
80	5	44.43543	6577.018	14146.59	2	0	2 No
66	5	39.95856	5765.197	11496.98	0	1	2 No
71	5	63.59059	7795.262	12665.06	2	1	0 Yes
43	5	54.12943	7095.685	14644.12	2	0	1 Yes
71	6	61.32498	7708.066	23669.89	0	0	2 Yes
23	4	59.91244	7888.068	8584.112	2	0	2 Yes
31	5	59.23831	7393.871	10770.2	2	0	1 Yes
40	7	66.76995	8474.388	8301.38	2	1	2 Yes
39	5	69.81697	8370.24	7070.728	2	0	1 Yes
62	5	69.33555	8218.407	11058.59	2	0	1 Yes
63	5	62.62445	7653.892	10720.4	2	0	0 Yes
82	5	57.45019	6648.177	13621.66	0	0	0 Yes
59	5	67.08314	8449.412	10788.55	2	0	2 Yes
18	3	64.13784	7389.266	6244.813	0	0	1 Yes
40	4	62.90516	8005.993	13621.77	2	0	1 Yes
21	7	48.77275	6983.244	4549.166	2	0	2 No
80	5	64.73089	7325.537	13355.45	0	1	1 Yes

71	3	62.1469	7967.677	12623.16	2	0	2 Yes
18	5	60.66529	7510.052	3604.045	2	0	0 Yes
18	6	37.6518	5313.109	3384.441	1	0	1 No
39	5	68.46499	7829.032	6771.627	0	1	1 Yes
81	5	56.92287	7385.614	27628.3	2	1	1 Yes
51	4	56.11892	6792.794	16720.32	1	1	0 Yes
23	4	45.96547	6324.946	4580.286	0	0	2 No
50	4	61.08451	7493.403	8715.134	2	0	0 Yes
31	5	55.0738	6821.091	10757.22	1	0	1 No
83	4	60.68585	8097.235	27769.01	2	0	2 Yes
31	6	70.51624	8756.921	11118.7	2	0	2 Yes
36	7	43.23362	6221.246	6657.611	2	0	1 No
22	6	68.5137	7848.546	3988.925	1	0	1 Yes
25	4	52.28594	6296.979	4474.446	0	0	1 No
55	6	60.60854	6987.76	9308.504	1	0	1 Yes
87	5	59.23133	7865.731	15270.66	2	0	2 Yes
32	4	65.78189	8586.744	11552.03	2	0	2 Yes
56	5	57.71247	7851.536	19306.97	2	0	2 Yes
68	6	57.95846	7319.897	11775.65	0	0	2 Yes
60	5	65.35478	8128.243	20160.52	2	0	1 Yes
64	5	67.97866	8590.344	11392.58	2	0	2 Yes
22	6	52.50243	6242.768	4093.25	1	1	1 Yes
26	4	55.3099	7531.223	6121.87	2	1	2 Yes
31	6	60.9999	7873.694	6237.263	2	0	2 Yes
82	6	59.38427	6894.409	26686.76	0	0	1 Yes
69	3	60.47155	7006.059	11529.68	1	0	1 Yes
45	4	68.27822	8257.652	15447.16	0	1	2 Yes
36	5	62.71243	7349.741	11753.74	1	0	0 Yes
74	5	56.23444	7251.509	12806.95	0	0	2 Yes
43	4	60.46172	7633.78	7621.851	2	0	0 Yes
22	6	56.87969	6736.314	3757.142	0	0	0 No
86	4	61.36399	7594.48	28497.64	2	0	1 Yes
31	7	68.51598	8296.379	10984.21	0	1	2 Yes
49	5	65.48832	7499.015	8171.843	0	0	0 Yes
80	4	45.72397	6420.007	26594.73	1	1	2 No
45	6	52.60603	7410.627	15633.14	2	0	2 No
42	7	56.54531	7246.545	14618.21	0	0	2 Yes
87	6	67.66225	7958.105	14941.08	1	1	2 Yes
39	5	62.23225	7614.339	7659.983	2	1	0 Yes
84	6	48.19318	5950.258	13987.71	1	1	1 No
18	7	50.63831	6189.154	6078.428	1	0	0 No
83	3	58.43692	6981.825	27031.01	1	0	1 Yes
63	4	71.3297	8711.251	11228.72	2	0	2 Yes
49	6	63.07567	8156.101	17150.39	2	0	2 Yes
82	5	46.58071	6401.792	13972.28	0	0	2 No
27	7	63.29454	7871.514	9598.797	0	0	2 Yes
32	5	48.39	6632.378	5902.216	2	0	1 No

40	6	61.73873	7666.465	7618.917	2	1	0 Yes
46	4	69.47023	7961.421	8263.27	1	0	2 Yes
55	6	67.58865	8147.702	9995.943	1	0	2 Yes
85	5	61.60714	7681.959	27980.21	2	0	0 Yes
86	5	65.77847	8122.134	28405.29	2	0	1 Yes
36	5	69.57578	7849.456	6254.498	0	0	1 Yes
31	6	59.02172	7689.567	6120.913	2	0	2 Yes
89	4	47.87453	6203.381	28928.59	1	0	1 No
46	6	56.56087	6697.897	7856.041	1	1	0 Yes
39	6	51.28227	6245.17	13050.68	0	1	1 No
85	5	71.26805	9067.605	15465.96	2	1	2 Yes
85	4	70.97042	7831.198	14218.6	0	0	1 Yes
71	5	68.70554	8158.91	12125.22	2	0	0 Yes
65	5	61.45946	7536.397	11235.46	2	0	1 Yes
87	5	41.53242	6103.439	28819.11	2	0	0 No
35	5	60.70341	7571.69	7023.013	2	1	1 Yes
27	3	52.21284	6706.797	5875.666	2	1	1 Yes
75	4	68.08179	8295.175	12911.42	1	1	2 Yes
58	4	56.18852	6666.486	9575.954	1	0	0 Yes
63	4	62.20733	7460.305	10993.15	1	0	2 Yes
39	6	66.05944	7545.812	6504.463	1	0	0 Yes
85	5	68.53761	7978.994	14344.74	0	0	2 Yes
32	4	62.39358	7062.071	5574.286	0	0	1 Yes
55	5	64.67518	8278.317	18989.68	2	0	2 Yes
65	4	71.87028	8841.659	11830.23	2	0	2 Yes
78	4	56.2992	7130.323	26031.58	0	0	2 Yes
59	5	54.85956	7643.239	20339.39	2	0	2 Yes
18	6	54.14109	6983.349	3592.511	2	0	1 No
39	5	61.48348	7562.929	6835.671	2	0	0 Yes
27	4	38.04005	5638.599	5099.31	2	0	1 No
73	5	55.49672	6733.937	23704.5	1	1	0 No
42	5	53.34078	7137.163	14320.58	2	0	1 Yes
89	6	65.30734	7925.986	15178.79	2	0	1 Yes
77	4	62.70726	7626.368	13597.76	2	1	0 Yes
69	3	63.37172	7201.898	11368.65	1	0	1 Yes
61	5	53.42993	6293.299	10169.57	0	0	1 Yes
73	3	63.87181	8221.398	12837.81	2	0	2 Yes
51	5	41.71641	6397.125	18180.65	2	1	2 No
24	6	64.03565	7359.778	8013.343	1	0	0 Yes
87	5	65.1247	7776.137	14819.74	2	0	1 Yes
79	4	52.00074	6236.775	13193.24	0	0	1 No
34	6	59.99971	6832.514	5926.233	1	0	1 Yes
79	6	70.13892	8881.544	26601.03	2	0	2 Yes
28	5	70.77703	8339.33	9891.705	2	0	1 Yes
69	4	53.79539	6569.708	11553.67	0	0	1 No
71	4	38.79365	5523.051	12318.96	0	0	2 No
34	4	54.78035	6997.481	6192.441	1	0	2 No

29	5	69.92096	8336.967	5432.006	2	0	0 Yes
43	5	56.10795	7533.439	8191.742	2	0	2 Yes
67	6	70.79897	9080.912	22873.98	2	0	2 Yes
57	6	63.68868	7321.405	18623.13	0	0	0 Yes
31	6	46.74792	6707.637	10607.1	2	0	0 No
57	7	59.15512	7021.428	18483.05	1	0	0 Yes
77	4	65.88606	7555.973	12822.52	1	1	1 Yes
67	5	46.40022	6302.475	12179.28	2	1	1 No
55	6	45.65412	6470.695	9684.818	0	0	2 No
22	5	45.81634	5989.517	7413.986	0	0	0 No
84	6	71.37439	8534.687	14502.3	2	0	1 Yes
39	4	62.15853	7133.095	12857.23	0	0	1 Yes
47	5	53.89127	6403.952	8167.711	0	0	1 No
61	4	64.88018	7810.944	10558.92	0	0	2 Yes
71	4	58.67265	7359.793	23530.62	2	0	0 Yes
27	6	48.24858	6585.975	9530.671	0	0	2 No
47	5	54.54736	7637.867	8796.225	2	0	2 No
85	5	69.07386	7661.244	14095.15	0	0	1 Yes
29	4	43.67488	5626.524	5061.758	1	0	1 No
53	7	55.78991	7180.458	9330.398	2	0	0 Yes
35	5	51.21957	6749.104	11989.68	2	0	1 No
88	5	59.35102	7551.643	29141.84	0	0	2 Yes
64	5	63.01418	8065.011	12046.03	2	1	2 Yes
86	4	52.44457	7172.688	14956.15	2	0	2 No
40	7	61.9164	7574.318	7207.429	0	0	2 Yes
62	6	48.12349	6458.298	10794.88	2	0	1 No
82	4	60.35278	7156.397	26719.18	1	1	1 Yes
42	5	66.69851	7624.61	7047.776	0	0	0 Yes
34	3	56.62402	6589.326	5713.262	0	1	0 Yes
68	3	66.80667	7688.467	22163.44	0	0	0 Yes
60	4	59.51574	7047.197	10204.08	0	0	1 Yes
34	4	56.1069	7001.342	6592.955	1	0	2 Yes
67	5	68.83124	8314.268	22416.35	1	0	2 Yes
44	5	51.09676	6114.395	7439.69	1	0	1 No
53	6	62.65192	7241.304	8922.494	0	0	1 Yes
84	4	51.45522	6724.126	14180.88	1	0	2 No
57	5	58.64189	6911.763	9564.818	1	0	1 Yes
57	5	39.91093	6122.864	19866.8	2	1	1 No
52	4	58.24645	6860.859	17011.44	0	0	0 Yes
77	4	68.41987	7952.28	25181.4	1	0	1 Yes
19	4	63.05332	7193.399	3519.152	0	1	1 Yes
66	5	60.72876	7808.877	21854.13	2	0	0 Yes
72	7	69.16589	7852.09	23600.49	1	0	1 Yes
46	5	54.89009	7026.902	8287.15	2	0	1 Yes
71	3	54.89863	7646.441	24031.88	2	0	2 Yes
74	6	68.84371	8081.346	12769.61	1	0	2 Yes
64	5	57.08731	6790.446	20894.55	0	0	1 Yes

56	8	63.01254	7850.278	18900.19	2	0	1 Yes
70	5	67.36694	8714.094	23721.96	2	0	2 Yes
40	7	49.88115	6530.366	7354.448	2	0	1 No
64	5	48.15403	6138.524	10786.15	0	1	1 No
40	5	51.59091	6748.928	6996.252	2	0	0 No
40	5	47.83594	6086.995	6805.791	1	1	1 No
70	5	46.01873	6872.237	24389.07	2	1	2 No
88	5	53.87433	6602.385	28612.8	0	0	0 No
31	7	49.49735	6580.812	5765.63	2	0	1 No
48	4	56.67539	7290.132	16235.36	2	0	1 Yes
71	5	63.71598	7780.971	12056.55	2	0	0 Yes
77	6	66.44103	7722.811	24987.19	0	0	0 Yes
41	5	52.85758	6773.121	14207.23	1	1	2 No
67	3	69.73141	8387.794	12401.65	2	1	1 Yes
66	5	70.67812	8485.796	22123.2	2	0	1 Yes
55	6	65.66496	7396.48	9500.315	0	0	1 Yes
34	4	68.82803	7869.907	5999.82	0	1	1 Yes
53	5	52.35704	6764.61	9335.836	0	0	2 No
47	2	69.36637	8198.894	8416.946	2	0	1 Yes
84	5	62.57438	7727.803	27792.27	2	0	1 Yes
38	4	64.18979	7599.898	12560.21	1	1	0 Yes
54	5	69.11082	8370.126	18278.27	1	1	2 Yes
48	5	61.32789	7106.382	8203.51	0	1	1 Yes
26	7	62.41274	7639.071	4993.509	2	0	1 Yes
82	5	65.96918	7598.26	13490.27	1	0	1 Yes
26	6	55.73858	6641.431	4641.584	0	0	1 Yes
73	5	46.20171	6591.832	25001.04	2	1	1 No
22	3	62.63507	7645.986	5063.578	2	1	0 Yes
67	5	61.37174	7575.813	11488.49	2	0	1 Yes
33	6	68.31693	8217.806	6114.298	2	0	1 Yes
52	4	51.58067	6706.741	17464.91	2	0	1 No
18	4	52.15115	6261.371	3221.335	1	0	0 No
33	5	53.87304	6329.607	5850.459	1	1	0 No
87	5	68.22248	8415.475	14758.17	2	0	1 Yes
89	6	57.17191	7950.686	29772.86	2	0	2 Yes
78	5	65.87445	8405.636	14393.08	2	1	2 Yes
61	3	63.79031	7808.657	10524.3	1	0	2 Yes
68	5	68.78395	7604.018	22039.99	0	0	0 Yes
31	5	39.76658	5418.609	10523.15	1	1	1 No
46	4	46.28167	6432.901	15861.57	2	0	1 No
83	6	70.31655	8413.179	27444.51	2	0	1 Yes
74	5	61.72514	7706.244	13289.5	2	1	1 Yes
60	5	61.06578	6953.275	10088.88	1	0	0 Yes
88	7	48.86719	6433.602	14904.99	1	0	2 No
84	4	55.49526	6709.892	13944.95	1	0	1 No
87	6	56.4111	7222.354	28783.69	1	0	2 No
26	4	64.71069	7316.005	4392.364	0	0	0 Yes

86	4	63.49784	7532.637	14542.66	1	0	2 Yes
48	5	70.76141	8665.655	8905.572	2	0	2 Yes
81	5	63.82418	7842.96	26831.34	1	0	2 Yes
45	4	61.9194	8159.58	15633.14	2	0	2 Yes
63	5	57.55774	6972.878	10461.15	0	0	0 Yes
42	7	67.86431	8300.013	7480.521	2	0	1 Yes
63	5	53.89616	6627.355	20699.06	0	1	1 No
26	7	67.67271	7912.965	5015.111	2	0	0 Yes
86	7	52.16744	6777.38	14485.72	2	0	0 No
43	6	53.86793	7254.816	7580.731	2	0	0 No
69	3	54.63418	7109.866	11877.78	2	0	1 Yes
57	5	53.48897	7197.331	10669.42	2	1	1 No
80	4	49.70013	6525.476	13501.78	2	0	0 No
66	5	63.84809	7431.425	21433.53	1	0	0 Yes
54	4	51.05911	6151.682	17621.18	0	0	0 No
47	5	67.90145	8051.969	8280.147	2	0	1 Yes
33	4	58.63505	6952.543	11105.38	0	1	1 Yes
71	4	44.90107	6278.278	23753.5	0	1	2 No
71	5	53.9378	7126.401	24148.31	2	1	1 No
23	7	55.33391	6449.308	3931.887	0	0	0 No
40	5	47.71169	5934.272	6910.169	1	0	1 No
75	5	68.8762	8279.41	24899.44	1	0	2 Yes
55	6	58.39468	7625.918	10115.44	2	0	2 Yes
29	5	42.11685	5537.59	4843.872	1	0	0 No
85	5	39.24079	5164.982	14062.73	1	1	1 No
25	4	70.78969	8228.044	4830.535	2	0	0 Yes
30	5	63.13209	8186.995	10942.29	2	0	2 Yes
43	3	48.10364	6086.649	7381.844	1	0	1 No
70	5	61.82565	6993.497	11532.51	1	0	1 Yes
88	6	55.72267	7727.037	29647.69	2	0	2 Yes
27	4	57.99539	7338.672	5041.019	2	0	1 Yes
79	4	71.3617	8441.334	13387.81	1	0	2 Yes
50	6	65.87695	7926.014	16903.24	1	0	2 Yes
86	6	64.43641	7443.254	28008.97	1	0	1 Yes
85	5	69.80251	8403.862	27999.31	0	0	2 Yes
33	4	49.7691	6606.63	11448.46	1	0	2 No
58	6	55.15588	6715.494	9545.169	0	0	0 No
21	2	66.89242	7471.59	3845.781	0	0	1 Yes
75	2	42.52161	5433.805	12508.42	1	1	1 No
65	6	66.80141	7475.044	10726.33	1	0	1 Yes
86	5	64.20644	7813.7	28439.43	1	0	2 Yes
43	3	50.89524	6764.777	7610.317	2	0	1 No
60	5	62.96942	7408.198	19856.81	1	0	1 Yes
22	5	51.88448	6764.437	7999.127	0	1	2 No
51	5	51.58142	6642.805	9025.055	1	0	2 No
27	5	42.85012	5551.006	9137.232	0	0	1 No
45	4	49.60472	6981.791	8628.986	2	0	2 No



57	3	38.11243	5635.686	10560.78	2	1	0 No
35	4	58.47568	7633.109	12052.45	2	0	0 Yes
23	5	56.01355	7114.735	4398.695	2	0	1 Yes
82	5	48.14375	6483.395	27213.17	1	0	2 No
76	6	45.01963	5689.324	12496	1	0	1 No
24	5	59.47653	7799.708	5000.124	2	0	2 Yes
18	1	68.94901	7749.173	6460.305	0	0	1 Yes
64	5	58.74265	6744.135	10825.68	0	0	1 Yes
48	6	45.87026	6089.992	15821.87	0	0	1 No
20	4	70.29932	8957.794	7718.961	2	0	2 Yes
49	5	63.68132	7354.206	8182.225	1	0	0 Yes
56	5	58.45368	7390.846	9892.961	2	0	1 Yes
30	6	53.2532	7361.732	6199.82	2	0	2 No
47	5	41.04308	5523.203	15369.28	0	0	0 No
82	5	57.97696	7225.095	14071.7	1	0	2 Yes
26	4	54.72411	7069.663	5082.584	2	0	1 Yes
40	7	64.88035	7546.442	6685.494	0	0	0 Yes
51	4	69.33509	8319.565	17009.04	2	0	0 Yes
83	7	36.27075	5485.683	13928.75	2	0	0 No
58	5	58.45896	6645.686	9687.825	1	0	1 Yes
54	5	37.44635	6183.999	19185.88	2	1	2 No
83	7	68.94857	8051.21	14276.41	0	0	2 Yes
39	4	71.74621	7932.853	13059.38	0	0	1 Yes
52	4	44.236	6743.307	9575.402	2	0	2 No
59	7	53.83779	6412.832	9981.613	1	0	1 No
19	5	61.50928	7117.522	3555.404	0	0	1 Yes
24	4	63.43241	7405.241	8040.299	1	0	0 Yes
54	7	69.09621	8114.75	9458.995	2	0	1 Yes
84	4	60.7446	7717.607	14221.65	2	0	1 Yes
24	6	51.85008	6750.249	8490.879	1	0	2 No
36	5	67.05457	8205.58	12340.72	2	0	1 Yes
77	6	43.50082	6150.118	13213.93	2	0	1 No
66	4	52.47636	6813.535	11303.68	2	0	1 Yes
57	4	58.41671	7284.593	10070.83	0	0	2 Yes
58	4	64.30872	7755.275	10073.89	1	0	2 Yes
37	5	44.89774	6613.998	7149.248	2	0	2 No
56	4	59.84527	7988.888	10104.66	2	0	2 Yes
28	5	51.95735	6992.007	5335.121	2	0	1 No
82	4	62.92401	7689.808	14646.06	2	1	1 Yes
83	6	55.25152	7745.948	27772.28	2	0	2 Yes
34	7	66.13115	7980.705	6406.605	0	1	2 Yes
44	7	58.8212	6847.372	14540.82	1	0	1 Yes
37	6	67.41943	7514.772	6332.793	1	0	1 Yes
29	3	62.97219	7601.89	10177.75	0	0	2 Yes
48	5	60.04366	7500.764	8492.078	1	0	2 Yes
63	6	61.44374	7649.04	11473.08	2	1	0 Yes
61	4	61.97146	7347.542	20017.25	1	0	0 Yes

71	5	64.72039	7837	12173.13	2	0	0 Yes
29	5	67.93594	8216.05	10189.17	2	0	0 Yes
68	4	46.01029	5710.816	11394.42	0	1	1 No
38	5	52.09304	6415.599	6506.988	0	0	1 No
56	5	65.62478	8548.337	19156.01	2	0	2 Yes
87	6	58.39013	6871.889	14385.53	1	0	1 Yes
71	5	50.07432	6735.634	12373.66	0	0	2 No
41	4	62.59309	7292.216	13694.48	1	1	1 Yes
28	6	55.07381	6574.691	4815.612	0	0	1 No
26	4	61.54402	6984.584	4580.015	1	0	1 Yes
70	5	58.684	7503.024	23971.9	2	1	1 Yes
56	5	65.69902	7957.62	9995.65	2	0	1 Yes
26	5	64.01433	7872.224	9353.604	2	0	1 Yes
21	6	69.54308	8418.78	4078.732	2	0	0 Yes
71	6	40.30157	5305.064	11908.9	1	0	1 No
48	5	53.38248	7543.388	8895.237	2	0	2 No
66	4	54.52634	6468.282	10969.2	1	0	1 No
63	5	70.74869	8385.033	10969.62	2	0	1 Yes
66	6	58.19294	6979.424	21677.28	1	1	1 Yes
20	4	70.10612	8855.849	7749.746	2	0	2 Yes
29	5	54.2617	7039.717	5978.943	2	1	0 Yes
27	5	56.66655	7311.968	4977.37	2	0	0 Yes
59	4	66.99449	8255.175	10758.8	2	1	0 Yes
45	4	68.41178	7461.2	7557.025	1	0	0 Yes
80	3	38.37483	6251.686	14037.61	2	0	2 No
48	4	68.67795	7558.212	8256.387	1	0	1 Yes
54	4	71.37393	9180.728	18679.8	2	0	2 Yes
64	6	60.70111	7072.615	10643.77	1	1	0 Yes
66	4	67.60394	8270.74	21898.53	2	0	0 Yes
86	5	65.28315	7635.584	27931.43	1	0	0 Yes
79	5	42.35763	6570.895	26522.02	2	0	2 No
52	5	54.85745	6516.528	8818.329	0	1	1 No
39	6	63.1195	7586.783	7026.131	1	0	2 Yes
65	7	61.3079	7437.997	21490.54	1	1	1 Yes
65	6	69.8195	7937.951	10914.63	0	0	1 Yes
36	4	64.79894	7818.45	6623.395	0	0	2 Yes
38	5	55.04624	6425.736	6393.917	1	0	1 Yes
51	4	47.49569	6416.801	8925.75	2	0	1 No
61	7	65.94393	7932.63	10560.27	2	0	0 Yes
83	7	48.92895	6629.197	14724.35	2	1	1 No
58	6	52.84201	6976.096	9996.504	2	0	0 No
61	4	66.23616	7548.927	20077.62	0	0	1 Yes
72	5	46.66386	5825.918	11895.99	0	0	0 No
72	5	58.90825	7373.96	12494.2	2	0	0 Yes
32	5	70.6573	8656.778	11162.41	2	0	1 Yes
28	5	45.47189	5888.599	4887.563	0	0	1 No
89	5	51.49497	7344.154	30566.07	2	1	2 No

88	5	65.43501	8059.681	29043.42	2	0	0 Yes
32	5	52.42382	6398.387	10986.77	0	1	1 No
83	4	54.63756	6684.61	26979.51	1	0	1 Yes
65	7	64.53379	7994.614	21625.02	2	0	1 Yes
39	6	64.27616	7352.11	6705.457	0	0	1 Yes
32	4	69.96442	7821.688	5642.958	1	0	1 Yes
47	5	62.21332	7622.731	8368.673	2	0	1 Yes
88	6	58.75794	7082.589	14607.99	0	0	1 Yes
40	5	51.01542	6295.257	13307.73	0	0	1 No
68	4	54.86867	6863.83	11697.95	2	0	0 Yes
19	6	65.15243	7872.4	3866.163	2	0	1 Yes
19	4	68.51188	7836.064	6516.847	1	0	1 Yes
29	6	70.46516	7714.595	4908.72	0	0	0 Yes
88	4	66.04975	7525.71	28631.56	1	1	0 Yes
36	5	63.28983	7575.273	6684.965	1	0	2 Yes
82	6	44.06946	6171.177	13934.55	2	0	1 No
41	5	48.04867	6292.298	7395.516	0	0	2 No
35	6	70.80637	8470.555	6428.404	2	0	1 Yes
51	6	49.20917	6507.587	17220.22	0	0	2 No
36	4	64.64956	7299.627	6255.821	0	1	1 Yes
24	3	57.0407	7247.208	4570.81	2	0	0 Yes
77	6	58.09998	7654.414	25973.86	2	0	2 Yes
46	6	69.95542	8490.655	15570.84	2	0	1 Yes
67	1	38.84538	5709.236	22409.25	0	0	2 No
66	4	69.05483	8444.68	22708.03	2	1	1 Yes
27	6	70.21287	7753.603	4608.275	1	0	0 Yes
73	5	58.22917	7470.151	24088.86	2	0	0 No
82	6	59.13529	6776.307	13481.4	1	0	0 Yes
36	4	56.47547	7031.542	6729.409	0	0	2 No
32	5	49.74385	6249.32	10755.98	0	0	1 No
80	6	57.72933	6864.229	13067.57	0	0	0 Yes
29	4	69.43757	8216.862	10247.2	0	1	2 Yes
42	5	62.1775	7570.184	14289.65	0	0	2 Yes
77	5	65.90742	8001.589	13098.78	2	0	0 Yes
59	7	49.75641	6836.531	19741.19	1	0	2 No
62	5	51.69303	7190.023	21046.8	2	0	2 Yes
85	3	62.37736	7884.279	28136.26	2	0	1 Yes
64	4	58.00085	6739.782	10546.5	0	0	0 Yes
39	4	58.69508	7555.452	7129.019	2	0	1 Yes
67	6	56.2109	6594.018	10942.68	0	0	0 No
52	4	39.48562	5288.521	17195.27	1	0	1 No
88	5	60.07228	6924.574	14403.72	0	0	0 Yes
48	7	53.43429	7582.884	16593.92	2	0	2 Yes
29	5	70.3791	7926.933	9651.338	0	0	1 Yes
78	6	39.81162	5676.985	13400.22	0	1	2 No
48	6	70.91688	8385.161	8359.909	2	0	0 Yes
57	7	64.81665	7424.74	18888.93	1	0	1 Yes

85	5	63.97548	7370.371	28052.97	1	1	1 Yes
51	6	70.16746	8796.867	17606.21	2	0	2 Yes
52	6	57.73539	6672.513	8726.86	1	1	0 Yes
28	5	48.70233	6358.573	5830.823	2	1	1 No
47	5	61.48461	7401.087	8451.357	0	0	2 Yes
28	4	64.32177	7842.459	5415.298	0	1	2 Yes
76	6	58.49235	6866.168	12538.32	0	0	0 Yes
53	4	65.66056	7920.998	18374.42	2	1	0 Yes
89	4	56.35836	7216.832	15110.12	2	0	1 Yes
62	5	58.12433	7188.859	10750.28	1	0	2 Yes
65	4	71.78402	7908.774	10691.28	0	1	0 Yes
35	5	71.64185	7964.681	6117.599	1	0	1 Yes
70	4	65.68878	7943.557	12218.31	1	1	2 Yes
77	3	48.33524	6573.35	25937.55	2	1	0 No
69	3	49.5928	6506.739	11868.91	2	0	0 No
65	4	65.05185	7976.481	21554.27	2	0	0 Yes
86	5	69.53841	8790.098	15096.73	2	0	2 Yes
26	5	70.62427	8699.935	5290.502	2	0	2 Yes
58	4	70.7376	8883.733	10501.05	2	0	2 Yes
63	6	64.75929	7985.913	10689.62	2	0	0 Yes
55	4	51.73236	7286.335	19618.9	2	1	2 Yes
73	3	62.80299	7246.483	23917.47	0	0	1 Yes
21	6	64.73751	7951.206	7502.589	1	0	2 Yes
56	6	64.69908	7581.949	18377.4	0	0	1 Yes
59	4	58.23572	7442.609	10355.14	2	0	0 Yes
74	3	52.1854	6719.172	12647.82	2	0	0 No
86	5	55.15752	6520	14132.59	1	0	1 Yes
24	5	71.55686	7984.151	4207.351	1	0	1 Yes
35	5	61.42656	8170.197	12512.81	2	0	2 Yes
41	5	71.57055	8131.743	13457.78	0	0	0 Yes
24	4	63.7287	7848.82	9209.097	2	1	1 Yes
60	8	58.86517	7362.555	11051.7	2	1	1 Yes
42	4	48.43358	6563.074	7651.882	2	0	1 Yes
77	6	70.75848	8163.589	25119.51	0	0	1 Yes
76	4	38.97785	6106.895	13627.4	2	0	2 No
81	4	65.44502	8510.589	27313.5	2	0	2 Yes
41	5	71.71842	8044.774	6968.015	1	0	1 Yes
89	4	55.44896	7086.189	29660.16	0	0	2 Yes
31	5	52.15464	6832.074	5751.864	0	0	2 No
81	4	69.70434	7822.417	13363.31	1	1	0 Yes
30	5	41.6332	5428.338	5048.898	1	0	0 No
54	5	64.02914	7414.732	9168.64	0	0	1 Yes
25	5	62.78589	7075.43	4718.581	1	1	1 Yes
23	5	63.82632	7744.495	4297.158	2	0	0 Yes
22	7	56.98904	7149.892	7915.357	2	0	1 Yes
88	4	69.60256	7643.915	14290.65	0	0	0 Yes
54	5	63.70822	7294.446	9134.576	1	0	1 Yes

18	5	69.38556	7685.815	3264.581	1	0	1 Yes
50	6	65.35783	7686.761	16489.9	1	0	1 Yes
73	4	71.96134	8748.038	24861.93	2	1	0 Yes
54	6	68.27264	8441.17	18139.49	2	0	1 Yes
63	5	63.9238	7506.958	10999.94	1	0	2 Yes
53	5	42.51486	6110.603	17836.67	2	0	1 No
22	4	59.12252	7899.516	8421.367	2	0	2 Yes
69	5	64.75152	7546.798	11485.89	0	0	0 Yes
67	5	64.12004	8343.149	23431.56	2	1	2 Yes
62	6	43.40269	6564.348	11159.95	2	0	2 No
40	5	65.58696	8447.017	13997.77	2	0	2 Yes
49	5	62.72995	7273	8141.059	1	0	0 Yes
24	4	56.19732	7625.006	5027.63	2	0	2 Yes
61	5	46.30505	6876.464	11229.07	2	0	2 No
82	4	53.67727	6374.147	13548.56	0	0	1 No
34	6	49.00465	6344.196	6192.441	0	0	2 No
85	4	70.98238	8656.237	14457.46	2	0	1 Yes
30	5	46.41449	5812.459	4976.947	1	0	0 No
43	5	61.15724	7571.314	7702.671	2	0	1 Yes
40	4	56.40536	7279.197	7129.773	2	0	0 Yes
88	5	60.00128	6917.856	14575.25	1	1	1 Yes
73	6	62.30839	7186.722	11881.93	0	0	0 Yes
37	5	62.71681	7287.447	6203.75	1	0	0 Yes
81	5	65.37042	7287.2	13576.28	0	0	1 Yes
79	4	61.24881	7860.68	14571.1	2	1	2 Yes
64	4	70.53349	8718.931	11659.58	2	0	2 Yes
24	5	63.63844	8140.726	5140.701	2	0	2 Yes
69	5	69.99863	7817.745	11270.39	1	0	0 Yes
21	5	71.83113	8516.273	4322.329	1	1	2 Yes
46	8	71.49583	7955.044	7925.157	1	0	1 Yes
50	5	44.06354	6038.161	9344.356	2	1	0 No
25	5	57.42025	7191.817	4857.003	0	0	2 No
82	5	58.30274	6910.245	13501.8	1	0	0 Yes
67	5	57.24757	7731.264	22678.89	2	0	2 Yes
22	4	41.39756	6060.86	5144.712	2	1	1 No
87	5	51.80331	6744.292	14672.61	2	0	1 No
53	2	56.55771	6621.534	8896.624	1	1	1 Yes
22	4	66.48219	7927.739	8596.081	2	1	1 Yes
48	7	65.62944	7693.936	8309.525	0	1	1 Yes
28	4	69.95166	7900.01	4876.632	1	0	1 Yes
34	4	45.58004	6308.147	6719.729	2	1	0 No
52	6	56.18619	6763.253	8755.123	1	0	1 No
87	6	45.23144	5940.848	14334.34	0	0	1 No
35	6	58.10052	6761.143	6035.313	1	0	1 Yes
35	4	43.59906	6643.371	6869.252	2	0	2 No
88	4	52.50756	7496.549	29373.59	2	0	2 No
25	4	53.91211	6798.945	9112.198	1	0	2 Yes

41	5	71.96164	8033.647	7153.036	1	0	1 Yes
55	5	50.80741	6238.765	9195.747	0	0	1 No
85	5	53.40517	7427.796	28525.88	2	0	2 No
24	4	70.149	8781.417	5000.124	2	0	2 Yes
20	5	65.07011	7966.608	7176.576	2	0	0 Yes
89	4	58.51306	8003.248	29885.66	2	0	2 Yes
74	4	51.96542	6353.338	12227.22	0	0	0 No
88	4	64.03684	8114.311	29097.05	2	0	1 Yes
88	5	68.61981	7670.458	14515.33	0	0	1 Yes
76	4	71.14761	8255.959	13080.7	1	0	2 Yes
24	4	42.49116	6641.232	5041.29	2	0	2 No
59	5	44.55556	5798.452	9911.175	1	0	0 No
28	5	65.57114	8652.096	10373.41	2	0	2 Yes
79	6	60.5959	7512.243	13341.2	2	0	0 Yes
35	6	63.37193	8300.637	13056.47	2	1	2 Yes
22	4	45.66926	5840.938	4041.748	0	1	1 No
72	6	60.15782	7383.325	12247.92	2	0	0 Yes
20	3	69.47065	8213.955	3842.921	2	0	0 Yes
85	5	52.00721	6371.383	13959.87	1	0	0 No
36	4	62.21284	7718.807	12388.79	1	0	2 Yes
76	4	55.18905	6463.872	12363.68	0	0	0 No
54	3	71.14822	8683.186	9906.633	2	0	2 Yes
45	7	63.34263	7323.202	7723.41	0	0	1 Yes
77	3	58.84101	7433.749	25644.28	1	1	2 Yes
61	5	50.95384	7256.917	11085.48	2	0	2 No
36	5	64.41834	8371.471	6923.269	2	0	2 Yes
70	5	69.70238	8296.95	11976.79	2	0	1 Yes
41	5	59.85546	7344.387	7371.441	2	0	1 Yes
76	4	39.57939	5772.376	13039.19	2	0	1 No
78	5	70.97924	8682.535	13671.5	2	0	2 Yes
81	7	51.66299	6502.334	13802.96	0	1	2 No
48	4	68.6992	8091.063	8444.007	2	0	1 Yes
27	8	38.90309	5888.897	9701.685	2	0	1 No
70	4	58.72291	7419.422	12083.3	2	0	1 Yes
56	5	62.54314	8113.888	10238.18	2	0	2 Yes
86	3	65.04376	8255.875	15616.16	2	1	2 Yes
89	4	63.95912	7336.075	14800.68	1	1	1 Yes
20	5	54.22235	7445.364	5110.474	2	1	2 Yes
47	6	65.11254	7250.547	7994.707	1	1	1 Yes
27	5	64.25631	7277.806	4834.586	0	1	1 Yes
78	4	52.696	6649.278	25245.88	0	0	0 No
84	4	48.55739	6658.365	14338	2	0	1 No
60	7	69.47312	7754.998	10183.36	0	0	1 Yes
64	5	62.61799	7061.672	10671.76	0	0	1 Yes
50	6	37.83158	5481.341	16964.81	1	0	2 No
77	7	40.89361	5278.371	12656.58	0	0	1 No
87	3	59.84865	7271.878	14785.68	2	0	1 Yes

34	6	58.59644	7767.044	12165.28	2	0	2 Yes
41	6	57.73919	7425.608	14017.76	2	0	1 Yes
81	5	37.04122	5097.077	26452.06	0	0	1 No
74	6	57.07763	6753.434	12390.64	1	0	1 Yes
37	5	71.42251	7965.041	12176.74	1	0	0 Yes
57	5	42.5776	5613.823	18775.86	1	0	1 No
38	4	65.63834	7865.122	6978.621	0	0	2 Yes
71	7	71.36836	8435.808	13013.19	2	1	1 Yes
19	4	51.27342	6142.065	3241.34	1	0	0 No
30	4	66.05302	7742.003	5608.407	0	0	2 Yes
82	6	69.78027	8388.545	13965.33	2	0	1 Yes
41	5	68.85828	8178.173	13986.82	1	0	2 Yes
47	4	67.62872	8454.486	8751.78	2	0	2 Yes
34	5	37.12218	5661.776	6226.656	2	0	1 No
62	4	42.80499	5896.79	10863.35	0	0	2 No
52	4	64.76259	8646.885	18576.14	2	1	2 Yes
33	7	68.95449	8130.314	11299.12	2	0	0 Yes
56	5	66.64566	8063.235	18845.26	1	0	2 Yes
41	4	65.0306	8057.882	7885.513	2	1	0 Yes
43	5	53.46361	6368.01	7205.078	0	0	0 No
41	5	69.67573	8304.549	7354.396	1	0	2 Yes
31	5	56.49627	7692.202	11819.87	2	1	2 Yes
39	5	62.78028	7558.988	7074.354	0	0	2 Yes
55	3	65.09597	7349.858	9154.137	1	1	0 Yes
80	5	65.70915	7909.172	13753.96	2	0	1 Yes
26	5	64.30758	7926.688	5250.168	2	0	1 Yes
24	6	70.7395	7924.6	8245.121	0	0	1 Yes
61	4	54.02165	6879.872	20313.04	0	0	2 No
19	5	65.63473	7474.798	3497.113	0	0	1 Yes
31	3	69.82463	7877.331	5414.59	1	0	0 Yes
42	5	54.91645	7039.748	14316.75	2	0	1 Yes
71	5	68.92049	8781.261	12698.39	2	0	2 Yes
88	6	57.90649	6848.526	28547.95	0	0	0 Yes
43	5	53.90133	6944.917	7628.954	2	0	0 No
52	6	48.29306	6471.733	9168.618	2	0	1 No
79	5	62.47918	7779.846	25979.64	2	0	0 Yes
55	5	67.6603	8737.847	10132.38	2	0	2 Yes
25	6	63.43697	7844.642	8989.059	0	0	2 Yes
69	6	57.0759	7271.207	11950.88	2	0	0 Yes
49	5	61.27118	7801.932	9093.659	2	0	2 Yes
83	3	63.19912	7631.555	14693.57	2	1	1 Yes
40	7	67.41885	7663.425	13259.02	0	1	0 Yes
66	5	71.57657	8266.542	11541.06	0	1	2 Yes
42	4	67.78567	7983.741	7631.327	0	0	2 Yes
54	3	56.04893	6560.537	17661.15	0	0	1 Yes
84	6	66.37965	7952.742	14252.43	2	0	1 Yes
41	5	59.26561	7459.498	14120.34	1	0	2 Yes

83	3	63.8418	7368.262	27192.04	0	0	1 Yes
68	4	65.21182	7924.164	11859.26	0	1	2 Yes
49	5	58.5754	7500.805	17174.51	2	1	1 Yes
85	5	66.373	7905.11	28081.6	1	0	2 Yes
86	6	66.01806	7897.648	15012.21	2	1	0 Yes
52	5	64.17633	8451.694	17953.98	2	0	2 Yes
62	5	62.95949	7149.334	10381.38	1	0	1 Yes
46	5	56.56288	6674.6	15139.73	1	1	0 Yes
72	5	65.14858	7766.724	12159.08	2	0	0 Yes
29	6	38.02173	5444.279	5471.821	0	0	2 No
76	5	56.83268	7099.96	12962.19	2	0	0 Yes
69	6	54.60128	7009.085	22875.13	1	0	2 Yes
54	4	49.88564	6295.248	17736.88	1	0	1 No
45	5	65.11884	7802.347	15219.65	1	0	2 Yes
32	5	38.85191	5748.92	10985.1	2	0	0 No
53	4	52.47693	7364.933	18164.45	2	0	2 No
45	5	51.63107	6352.218	14851.9	1	0	0 No
52	5	62.98318	7162.186	8849.113	1	1	1 Yes
45	6	65.64671	7966.988	7901.894	2	0	0 Yes
55	5	66.60753	8065.403	10126.55	2	1	0 Yes
72	6	70.66454	7731.9	12070.8	0	1	1 Yes
77	5	52.26275	6956.45	13853.53	2	1	1 No
66	6	62.82587	7676.175	11467.99	2	0	1 Yes
48	6	54.26925	6934.975	8496.394	2	0	0 No
77	5	48.99093	6601.122	25495.51	1	0	2 No
52	4	52.95957	6910.298	9298.707	1	0	2 Yes
20	5	54.78895	6626.553	3443.087	1	0	0 No
63	4	71.2875	8593.995	21124.93	1	0	2 Yes
77	5	47.93442	6719.71	25584.51	2	0	1 No
75	4	61.54181	7608.081	24830.92	2	0	1 Yes
40	5	52.49823	6927.719	13714.12	2	0	1 No
28	6	62.66291	7807.008	10493.65	2	1	1 Yes
66	4	52.85602	7272.761	11816.48	2	0	2 Yes
38	5	42.61253	6842.868	13439.53	2	0	2 No
82	4	71.0998	8215.206	13994.32	0	1	2 Yes
60	7	67.79555	7543.239	10077.35	0	0	1 Yes
72	6	49.29811	6604.859	24446.04	2	1	0 No
86	4	49.50909	7096.289	28812.08	2	0	2 No
45	4	62.58038	7753.828	15234.61	2	0	0 Yes
36	4	47.25819	6595.778	12266.69	2	0	0 No
78	3	68.31426	8192.054	13312.94	2	0	1 Yes
46	6	59.34019	7140.983	15099.06	1	0	1 Yes
86	6	52.36458	6842.924	29280.79	2	1	1 Yes
71	6	44.9283	6157.342	12318.96	0	0	2 No
79	5	42.96185	5704.987	25839.04	0	0	1 No
33	5	63.29727	7239.597	11048.73	1	0	1 Yes
38	5	65.08181	7420.649	6648.934	1	1	1 Yes



22	4	60.59471	7503.6	8127.419	0	0	2 Yes
88	6	67.89248	7598.754	14498.7	1	0	1 Yes
25	1	52.93653	6837.146	4857.155	2	0	1 No
76	6	54.75933	6984.915	13091.08	1	0	2 Yes
45	5	67.60627	8735.064	16382.54	2	1	2 Yes
57	5	56.51745	7158.216	19237.42	0	0	2 Yes
81	5	57.72057	7158.089	13791.41	2	0	1 Yes
87	5	60.43865	7099.879	14474.92	1	0	1 Yes
57	3	54.22241	7104.726	10012.69	2	0	1 No
39	4	48.89292	6533.41	13443.57	1	1	2 No
55	4	42.84683	6367.484	10193.94	2	0	2 No
50	5	60.50333	7168.732	16472.46	1	0	1 Yes
20	5	48.50084	6682.517	4031.221	2	0	0 No
19	6	58.22802	6869.975	3286.284	1	0	0 No
37	4	65.08847	8320.12	7087.679	2	0	2 Yes
72	5	67.62476	7669.385	23559.37	0	0	1 Yes
54	5	64.02935	7414.749	9107.956	0	0	0 Yes
72	6	64.91779	7819.765	12267.17	2	0	1 Yes
83	5	67.53423	7659.684	26948.73	1	0	1 Yes
24	4	67.44446	8623.646	5041.29	2	0	2 Yes
42	4	65.30823	7831.548	14375.36	2	0	1 Yes
40	4	60.50969	7472.069	13679.91	1	0	2 Yes
64	5	58.89585	6982.309	10601.01	0	0	0 Yes
57	4	67.71569	7971.328	10101.3	1	0	2 Yes
49	5	69.62299	7781.373	8099.939	0	0	0 Yes
24	5	65.761	7742.641	4761.27	1	0	2 Yes
69	5	65.0985	7956.379	11817.41	2	0	0 Yes
25	7	58.74358	7351.922	8783.635	1	0	2 Yes
71	5	61.47196	8306.276	24093.45	2	0	2 Yes
19	4	58.65816	7169.493	3831.947	0	0	2 Yes
80	5	58.66508	7328.569	14374	2	1	0 Yes
42	5	67.52686	7792.536	13807.19	1	1	0 Yes
79	5	66.70151	7967.143	26262.45	0	0	2 Yes
81	6	71.31903	8812.757	27326.85	2	0	2 Yes
70	6	56.03759	7017.876	12086.43	1	0	2 No
21	5	57.73841	7684.468	8090.724	2	0	2 Yes
61	7	61.1038	7652.987	20374.76	2	0	1 Yes
18	3	57.85109	7002.052	6278.432	1	1	0 Yes
79	6	66.99587	7430.329	13070.1	1	0	1 Yes
75	3	58.92323	7058.329	12525.59	0	1	1 Yes
32	2	64.91502	7932.341	11206.89	0	0	2 Yes
87	6	58.04302	7270.625	14675.89	2	0	1 Yes
69	6	69.60597	7828.469	22786.09	1	1	0 Yes
61	5	68.68949	7681.424	19942.02	1	0	0 Yes
56	4	66.03305	7654.131	9356.328	1	0	1 Yes
60	4	48.06577	6319.909	20023.56	0	0	2 No
22	5	61.87501	7641.976	4234.683	0	0	2 Yes

67	5	63.05692	7255.019	21863.59	1	0	0 Yes
45	7	61.42097	7472.662	7799.158	2	0	0 Yes
42	5	59.16534	7941.052	7853.242	2	0	2 Yes
52	4	48.8669	6564.688	17553.83	0	0	2 No
70	5	44.20803	6230.037	12059.96	2	0	0 No
42	4	71.62341	8282.674	7620.945	0	0	2 Yes
80	4	63.84719	7636.465	13651.12	0	0	2 Yes
70	5	36.3205	5912.098	12479.21	2	0	2 No
81	6	69.64013	8223.449	26903.29	0	0	2 Yes
71	3	57.29754	7364.571	12982.4	2	1	1 Yes
38	5	55.54414	7090.436	6675.09	2	0	0 No
31	5	49.87987	6760.074	11064.55	0	0	2 No
23	6	52.56663	7001.78	8238.897	2	0	1 Yes
42	3	51.02712	6821.733	15021.76	2	1	1 No
56	5	64.33468	8198.743	10231.07	2	0	2 Yes
65	6	56.91219	7349.685	11355.63	2	0	1 Yes
24	6	68.94621	8197.417	4423.676	2	0	0 Yes
54	4	71.80946	8541.376	9313.06	2	0	0 Yes
28	4	69.43281	7958.008	9734.869	0	0	1 Yes
50	6	68.64911	8792.434	9240.626	2	0	2 Yes
71	4	52.91216	7369.067	12513.37	2	0	2 Yes
59	4	70.91433	8362.85	20384.18	2	1	1 Yes
24	4	52.89328	6428.463	4537.551	0	1	1 No
37	6	70.83634	8401.96	6712.224	2	0	1 Yes
46	5	51.66782	6930.942	15724.93	1	0	2 No
52	5	63.77609	7980.623	9271.353	2	0	1 Yes
43	5	47.33601	6301.461	7716.678	0	0	2 No
89	5	64.04845	7333.452	15078.06	1	1	1 Yes
84	5	66.93773	8096.696	28418.22	2	1	1 Yes
38	5	66.31442	7374.492	6393.917	1	0	1 Yes
89	4	60.78592	7119.936	28890.25	1	1	0 Yes
34	6	66.33626	7995.671	6299.76	2	0	0 Yes
76	6	41.22048	6402.232	14150.93	2	1	2 No
22	4	58.2117	7976.204	8373.643	2	0	2 Yes
47	4	68.2311	7689.606	7839.147	0	0	1 Yes
44	4	49.72847	6261.299	14450.99	1	1	0 No
42	3	67.97371	8084.323	7427.207	2	0	0 Yes
38	5	52.26547	6958.317	13053.2	2	0	1 No
57	4	46.44617	6442.51	19162.24	0	0	2 No
86	4	54.53208	7445.209	15028.1	2	0	2 No
36	4	52.07275	6866.879	12334.01	1	0	2 No
48	6	66.33686	7403.509	16072.74	1	1	1 Yes
65	3	67.21132	7606.791	21259.75	0	0	1 Yes
62	6	61.91612	7744.174	10525.21	2	0	0 Yes
49	4	41.025	5870.397	8601.157	1	0	2 No
33	2	54.40932	6992.613	6141.652	0	0	2 No
38	5	62.45033	7302.8	12619.25	0	0	1 Yes

62	3	54.01283	7251.166	10692.14	2	0	1 No
45	5	62.78846	7573.341	7860.727	2	0	0 Yes
56	4	62.07278	7252.562	9397.448	1	0	1 Yes
55	4	52.91118	6432.258	9309.703	1	0	0 No
88	5	61.79681	7099.287	14422.97	0	0	1 Yes
52	6	65.62697	7897.599	9226.756	1	0	2 Yes
52	5	63.70176	7368.219	8581.682	0	0	0 Yes
31	6	46.93211	6910.603	11238.56	2	0	2 No
46	6	62.21676	7824.703	15626.82	2	0	0 Yes
34	6	68.91278	8283.993	12289.46	2	1	0 Yes
68	5	51.62022	6583.629	22360.61	1	0	1 No
19	5	70.98297	7804.409	3455.947	1	0	1 Yes
60	4	47.95996	6515.49	10484.94	2	0	0 No
87	5	43.76376	5441.594	14464.54	1	0	1 No
69	4	43.82862	6664.706	12380.51	2	0	2 No
83	7	58.93781	7453.952	27564.21	0	0	2 Yes
40	6	66.3109	8213.101	13762.35	2	0	1 Yes
52	7	71.82083	8431.989	9644.802	2	1	0 Yes
89	4	71.37992	8455.841	29516.57	0	0	2 Yes
39	5	59.64841	7462.306	7122.229	2	0	1 Yes
67	4	71.45201	8126.425	21991.64	0	1	0 Yes
82	6	60.29032	7035.462	13551.84	0	0	1 Yes
48	5	61.885	7001.613	8071.679	0	0	1 Yes
37	4	57.80647	7715.51	13761.84	2	1	2 Yes
78	5	53.37442	6859.342	13227.22	1	0	2 No
50	5	65.5541	8163.429	16916.74	2	0	1 Yes
78	6	70.31325	8176.845	25563.23	1	0	1 Yes
69	4	53.13004	6697.744	11997.8	1	0	2 No
84	6	66.87243	8021.235	28050.42	0	1	2 Yes
54	6	45.70847	5849.047	17838.62	1	1	0 No
85	6	42.3603	5524.067	27758.97	0	1	1 No
22	3	57.72779	7318.129	4177.744	2	0	0 Yes
69	4	53.92637	7125.465	22960.85	2	0	1 Yes
79	6	36.26603	5170.509	25725.97	1	0	1 No
40	5	56.3541	6793.278	13362.51	1	0	1 Yes
24	5	54.96899	7067.514	4713.513	2	0	1 Yes
47	6	62.56277	7588.258	8341.717	2	0	1 Yes
33	7	67.39466	7534.955	5520.26	0	0	0 Yes
73	8	63.49312	7815.354	24831.15	2	1	0 Yes
57	4	71.07323	8276.742	9869.987	2	0	0 Yes
42	5	53.33244	6870.967	7446.305	0	0	2 No
31	5	41.79874	6130.852	10781.74	2	0	0 No
55	5	67.27822	8180.039	9660.429	2	0	1 Yes
66	5	71.71084	8324.148	11379.26	1	0	2 Yes
18	4	64.02814	7188.128	3307.07	1	1	1 Yes
33	6	68.85153	7848.371	10895.69	1	0	0 Yes
21	5	62.84952	7649.875	4153.109	0	0	2 Yes

67	6	68.62924	8255.984	11457.55	0	0	2 Yes
86	5	65.91345	7429.396	28001.86	0	0	1 Yes
27	4	68.68043	8349.003	9581.825	2	0	1 Yes
65	6	63.95908	8436.221	22223.39	2	0	2 Yes
63	5	61.39324	7624.06	10962.52	2	0	1 Yes
80	5	62.30265	7519.852	13548.39	0	0	2 Yes
34	5	58.14307	6826.117	11396.5	0	0	1 Yes
58	5	63.40614	7402.187	18840.66	1	0	0 Yes
77	6	67.42874	7953.556	12934.47	2	0	0 Yes
69	4	57.33825	7138.613	11843.56	0	0	2 Yes
84	6	71.96415	8862.365	28270.7	2	0	2 Yes
50	7	62.75762	7151.58	8382.46	1	0	1 Yes
64	5	64.70755	7886.783	10963.27	2	0	0 Yes
52	5	60.66664	8056.189	9671.035	2	0	2 Yes
46	4	55.00864	7122.505	15725.08	2	0	1 Yes
66	4	55.17328	7120.63	11260.44	2	0	0 Yes
86	7	64.11955	7891.246	28266.41	2	0	0 Yes
22	2	70.15212	8309.274	4462.193	1	1	2 Yes
83	6	66.57918	8322.004	14768.91	2	0	2 Yes
61	6	58.63596	7145.635	10699.49	0	0	2 Yes
28	6	61.41212	8071.598	11064.2	2	1	2 Yes
23	4	43.26311	6145.479	8290.398	2	0	1 No
25	6	71.23958	8434.1	4819.314	2	0	1 Yes
71	6	49.04806	6521.341	12175.11	0	0	2 No
55	5	62.58617	7249.112	9166.115	1	0	0 Yes
40	4	67.85073	8339.272	13673.27	2	0	1 Yes
31	5	65.83525	7836.483	10735.99	0	0	2 Yes
44	6	68.74032	8146.469	15106.44	0	1	2 Yes
72	4	69.84292	7744.405	11957.56	0	0	0 Yes
25	5	40.33442	5912.04	8783.635	1	0	2 No
83	6	64.3864	7292.686	13815.16	0	0	1 Yes
81	4	65.02971	7577.982	26614.72	0	1	1 Yes
61	5	53.67095	6752.008	10497.35	1	0	2 No
45	6	60.99154	7485.785	8044.55	2	0	1 Yes
49	5	40.24177	5213.591	8110.274	1	0	0 No
86	5	49.53264	6244.284	27932.75	0	1	0 No
89	6	53.05588	6835.111	15168.26	0	0	2 No
51	5	59.85147	7498.631	8844.931	2	0	0 Yes
49	5	36.81016	5641.304	16504.12	2	0	1 No
60	4	68.38866	8265.478	10617.57	2	0	1 Yes
39	5	58.893	7391.043	14123.69	2	1	0 Yes
76	6	56.90309	7434.829	25397.77	2	0	1 Yes
77	6	70.16826	8590.43	13894.39	2	1	1 Yes
27	5	68.74958	8635.626	5547.261	2	0	2 Yes
27	5	58.98012	7491.565	9814.29	0	0	2 Yes
59	8	55.79283	7257.284	19792.53	2	0	1 Yes
61	4	70.62354	8369.001	10736.99	2	0	1 Yes

73	5	56.90123	7103.547	24300.03	1	0	2 Yes
67	5	68.8859	7757.198	21848.77	1	0	1 Yes
32	5	61.29706	7663.23	11030.09	2	0	0 Yes
28	6	52.81251	6370.555	9417.84	0	0	0 No
24	5	67.66815	7720.327	8125.261	1	0	1 Yes
29	4	42.23137	5470.604	5217.317	0	1	1 No
21	4	56.95743	6657.538	3716.739	1	0	0 Yes
22	6	62.66534	7257.764	3764.249	0	0	0 Yes
76	6	52.72043	6310.367	12611.9	1	1	0 No
31	4	67.05529	7444.042	5475.274	0	0	1 Yes
83	6	57.85682	7108.672	14168.23	2	0	0 Yes
72	5	66.07169	7558.912	12100.27	0	0	1 Yes
53	7	56.33198	7137.401	9212.849	2	0	1 Yes
21	4	51.16563	7265.364	7906.248	2	0	2 No
44	5	64.44851	7684.836	7959.278	1	0	2 Yes
32	6	49.52273	7205.951	11685.55	2	0	2 No
79	3	55.43061	7228.572	26204.31	2	0	1 Yes
34	6	70.90912	7812.521	5876.368	0	1	1 Yes
51	6	48.95304	6525.141	17192.71	1	0	2 No
50	5	60.32163	8088.506	17894.45	2	1	2 Yes
22	6	56.97524	6599.317	4229.731	1	1	1 Yes
66	5	49.75895	6173.512	10840.15	0	0	0 No
53	7	68.00974	8427.504	18347.46	2	1	0 Yes
31	5	66.02831	8115.428	5775.698	2	0	1 Yes
51	4	63.30317	7761.247	17852.87	2	1	1 Yes
28	4	54.37204	6370.494	4749.775	0	1	0 Yes
36	5	65.15664	7913.117	12256.63	2	0	0 Yes
56	3	48.3394	6120.305	9241.131	0	0	0 No
24	6	54.05626	6565.55	4296.74	1	0	1 No
37	6	55.05652	6633.793	12298.99	0	0	1 No
37	4	57.19685	6722.377	6354.283	0	1	1 Yes
74	5	70.46411	8288.84	12656.45	2	0	1 Yes
85	5	71.32938	8907.658	15113.8	2	0	2 Yes
89	5	65.92938	7845.323	15790.57	2	1	1 Yes
24	4	68.25466	8535.46	5154.361	2	0	2 Yes
59	5	61.28955	7524.826	10395.42	2	0	1 Yes
65	6	69.79045	8330.922	21768.73	1	0	2 Yes
50	5	70.32833	8873.155	17296.02	2	0	2 Yes
68	5	69.0924	7930.115	22197.51	0	0	0 Yes
53	6	56.14797	7712.148	18872.67	2	1	2 Yes
42	3	54.92366	6576.041	7190.478	0	0	1 Yes
65	6	67.54349	8472.968	11727.8	2	0	2 Yes
50	6	66.87196	7847.353	9354.424	2	1	0 Yes
25	6	62.76216	7681.865	4863.713	2	0	1 Yes
83	5	54.99577	6654.348	27123.37	1	0	1 Yes
76	5	71.61033	8086.754	12394.46	1	0	0 Yes
63	4	56.87217	7636.95	11303.95	2	0	2 Yes

59	4	69.3593	8436.672	10271.97	2	0	1 Yes
49	5	59.42448	7453.282	8639.045	0	0	2 Yes
67	6	48.63425	6060.7	11244.22	0	1	1 No
36	4	58.57413	6655.124	6247.395	0	0	1 Yes
67	5	66.66481	8046.539	11532.78	0	0	2 Yes
69	5	59.6885	6818.384	11447.66	0	0	1 Yes
64	5	68.4336	8286.978	11126.38	2	0	1 Yes
40	4	69.57823	8115.651	13117.12	1	0	0 Yes
70	5	68.85921	8216.56	12571.95	2	1	1 Yes
64	6	62.38987	7342.378	10570.22	0	0	0 Yes
28	7	67.68307	7899.326	9519.063	1	0	1 Yes
88	6	64.72561	7531.479	14446.21	1	1	0 Yes
71	5	65.92884	7770.076	12941.23	2	1	1 Yes
40	3	52.32953	6363.484	6845.321	1	0	1 No
52	5	64.33894	7725.917	9708.997	2	1	1 Yes
74	3	42.99553	6044.64	12670.62	2	0	1 No
65	5	57.07169	7302.39	21659.09	2	0	1 Yes
30	3	55.91415	6629.383	5191.554	1	0	1 No
38	6	65.61848	8278.401	7244.981	2	0	2 Yes
51	4	46.33826	6870.341	9373.702	2	0	2 No
28	5	66.22772	7341.922	5087.521	0	1	1 Yes
55	5	65.4917	8279.383	10029.64	2	0	2 Yes
23	7	49.88285	6642.829	8461.492	2	0	1 No
77	4	71.75671	8404.696	13275.5	2	0	1 Yes
89	4	56.3763	6619.864	14758.19	1	0	1 Yes
45	6	71.44166	8276.626	8111.114	1	1	2 Yes
80	5	53.75749	6914.639	13661.46	1	0	2 No
88	5	61.94604	7405.486	14833.04	1	0	2 Yes
32	6	53.27099	6416.06	5563.951	1	0	1 No
64	5	39.43617	6003.627	21431.49	2	0	1 No
76	4	69.14704	7876.979	24768.47	1	0	1 Yes
59	5	69.65927	8183.745	10361.21	1	0	2 Yes
18	5	69.58887	8680.934	7170.793	2	0	2 Yes
79	5	66.03323	8443.211	13972.66	2	0	2 Yes
68	5	49.44658	6674.256	11754.93	0	0	2 No
77	6	70.7344	8308.66	12999.32	2	0	0 Yes
27	5	67.51647	8680.319	10084.24	2	0	2 Yes
30	4	63.37374	8317.474	11075.5	2	0	2 Yes
80	4	47.45144	6087.018	26155.04	0	1	0 No
41	5	65.14376	8043.693	13861.21	2	0	0 Yes
33	3	59.06037	7306.897	11551.15	0	0	2 Yes
85	5	65.93449	8061.391	28112.38	1	0	2 Yes
84	6	69.61922	8303.63	27679.05	0	0	2 Yes
46	5	62.55567	7135.033	7767.641	0	0	1 Yes
42	5	71.38697	8035.049	13845.52	1	0	1 Yes
46	5	58.62198	7316.194	8923.429	2	1	1 Yes
46	6	56.56401	7163.091	8832.274	2	1	0 Yes

82	7	59.98084	7001.327	13471.02	1	0	0 Yes
34	5	64.13046	7854.562	6115.052	2	0	0 Yes
89	4	57.32798	7224.629	29393.43	1	0	2 Yes
68	5	59.62224	6938.473	22350.23	1	0	1 Yes
44	6	71.06278	7813.3	7511.641	1	0	1 Yes
78	5	65.68477	8468.107	26253.26	2	0	2 Yes
19	5	48.23597	5973.978	3339.598	1	0	1 No
71	6	55.75674	6835.994	23309.37	0	1	1 Yes
74	6	65.80241	7525.657	24210.23	0	0	1 Yes
28	6	49.96593	6620.175	5201.601	2	0	1 No
71	6	58.32403	7048.125	12226.3	0	0	2 Yes
63	7	64.82253	7712.23	10912.5	0	1	2 Yes
35	5	66.46636	8139.05	6531.093	2	0	1 Yes
56	5	60.00982	7379.074	9694.593	2	0	1 Yes
87	6	61.45267	7721.039	28541.73	2	0	0 Yes
78	5	48.13775	6111.725	12777.19	0	0	0 No
60	5	50.72435	6240.803	10087.73	0	0	1 No
35	7	64.60974	7829.157	12068.53	1	0	2 Yes
55	7	63.06727	7720.359	18514.61	0	0	2 Yes
20	5	58.5282	6763.683	6830.555	1	0	1 Yes
45	4	54.98698	6507.896	7720.131	0	0	1 No
68	6	64.36089	7820.131	11731.21	1	0	2 Yes
54	5	63.67305	7764.377	9520.564	2	0	1 Yes
66	7	65.06679	7871.445	21778.35	2	0	0 Yes
25	7	52.34888	6550.244	8555.314	1	0	1 No
61	7	54.86108	6863.208	10997.68	2	1	0 Yes
29	5	48.75996	6597.72	10405.26	0	1	2 No
84	4	54.49465	6392.811	13803.89	1	1	0 Yes
38	5	50.20303	7306.752	13446.32	2	0	2 No
54	4	69.12451	8399.553	18735.85	2	1	0 Yes
69	5	65.39081	7483.087	22547.35	0	0	1 Yes
60	4	51.29955	6790.285	20384.55	0	1	2 No
73	6	68.02986	8427.808	24496.76	1	1	2 Yes
19	5	52.48818	6268.777	6575.142	0	0	1 No
35	4	64.52598	8264.088	6883.411	2	0	2 Yes
46	4	51.06715	7257.295	16634.12	2	1	2 No
50	5	40.13329	5567.211	16404.33	0	0	1 No
58	5	57.58208	7679.759	10644.59	2	0	2 Yes
41	6	39.05492	6239.629	14465.17	2	0	2 No
34	4	41.04177	5655.814	11411.48	0	1	1 No
84	5	70.66736	7878.316	13751.06	0	0	0 Yes
23	5	37.51568	5846.266	9063.209	2	1	1 No
18	5	66.92271	7908.974	6318.086	1	1	1 Yes
71	6	50.38652	6329.84	23370.51	0	0	0 No
54	4	49.38499	6128.708	9132.934	1	1	1 No
80	5	59.29115	7226.198	14458.1	2	1	1 Yes
78	6	71.33519	7700.737	12828.7	0	0	0 Yes

51	6	66.76823	7912.929	17251.01	1	0	2 Yes
79	2	61.24559	7617.513	26283.17	0	0	2 Yes
52	5	69.00917	7984.224	9165.187	1	0	2 Yes
47	5	47.12142	5949.014	8174.813	0	0	1 No
87	4	70.26326	8424.626	14625.85	2	0	0 Yes
53	6	70.53533	8366.423	17844.94	1	1	2 Yes
22	5	70.34629	7859.494	3824.62	1	0	1 Yes
19	7	67.22921	7449.448	3466.015	1	0	1 Yes
86	5	69.96108	8011.236	27929.91	1	0	1 Yes
39	6	62.83822	7090.628	6627.602	1	0	0 Yes
76	5	60.88493	7770.283	14209.22	2	1	2 Yes
27	4	69.15945	7667.288	4798.887	0	0	1 Yes
53	5	62.11466	7278.48	17556.69	1	0	1 Yes
50	4	70.10175	8284.899	17505.11	2	1	1 Yes
43	3	69.30085	8385.217	14726.41	2	0	1 Yes
64	4	56.77759	7546.059	21769.61	2	0	2 Yes
40	6	62.11578	7715.759	13919.55	2	0	1 Yes
49	5	38.20489	6091.066	9784.451	2	1	2 No
30	4	50.87151	6083.668	5234.043	0	1	1 No
68	5	60.58255	7112.117	22628.93	0	1	1 Yes
41	5	62.16466	7579.595	7282.445	1	0	2 Yes
63	4	61.12369	8055.84	21449.34	2	0	2 Yes
58	6	64.60285	7926.977	19536.97	1	0	2 Yes
33	4	66.21882	8093.234	6066.075	2	0	1 Yes
35	4	68.09582	8186.45	6306.418	2	0	0 Yes
47	3	71.1231	8341.409	8338.438	2	0	1 Yes
53	6	66.82585	8146.467	9216.128	2	0	1 Yes
50	5	59.31009	6881.368	8393.994	0	0	0 Yes
56	6	59.18324	7706.053	11134.39	2	1	2 Yes
88	4	66.55637	8554.146	29626.42	2	0	2 Yes
62	6	70.06358	8352.822	20586.7	2	0	0 Yes
43	6	69.59947	8738.673	8184.685	2	0	2 Yes
86	5	59.01839	8041.402	28825.42	2	0	2 Yes
27	6	67.54761	8100.184	10169.88	2	1	1 Yes
18	5	38.38082	5197.996	6091.775	1	0	0 No
35	5	46.85189	6239.754	6587.589	0	1	2 No
61	7	53.3063	6834.453	20402.12	0	0	2 No
50	4	58.24789	6920.372	8594.987	0	0	1 Yes
35	6	47.63069	6416.492	6347.27	2	0	0 No
49	5	51.47961	6781.602	8738.109	2	0	1 No
50	5	69.42679	8422.746	16883.07	1	0	2 Yes
46	6	69.80939	7707.348	7883.991	1	0	1 Yes
71	5	63.30847	7615.049	12087.34	2	0	0 Yes
75	4	44.17069	6046.94	13374.86	2	1	1 No
41	5	65.96902	7458.514	13735.6	1	1	1 Yes
25	5	68.34983	7700.979	8455.857	0	0	1 Yes
33	4	50.62936	7428.257	12005.81	2	0	2 No



21	5	66.08982	8342.555	4579.95	2	0	2 Yes
28	7	58.18622	7875.446	6312.837	2	1	2 Yes
80	4	53.12285	7023.672	14475.54	2	1	1 Yes
83	5	49.31178	6528.327	14149.99	1	0	2 No
56	6	52.76037	7062.428	9694.593	2	0	1 No
28	6	71.42845	8040.731	9550.161	0	0	1 Yes
35	5	59.91319	6910.571	6021.966	1	0	1 Yes
71	7	69.23881	8212.548	12766.59	2	1	1 Yes
79	4	64.61654	7562.63	13009.73	0	0	0 Yes
70	7	70.35966	8775.496	12664.23	2	0	2 Yes
54	5	43.2878	6266.057	18136.21	2	0	1 No
78	4	68.83676	8187.48	13586.72	2	0	1 Yes
28	3	69.05067	8370.036	9830.135	2	0	1 Yes
28	6	63.93248	7452.962	9402.478	1	0	1 Yes
88	6	67.60127	7770.357	14700.35	0	0	1 Yes
62	4	66.85672	7807.856	10904.2	0	0	2 Yes
48	6	66.046	7887.681	8594.813	1	0	2 Yes
82	7	69.09817	8373.928	27151.75	2	0	1 Yes
86	4	60.04218	7568.346	14618.04	2	0	1 Yes
45	7	71.57354	7866.062	7467.95	1	0	0 Yes
70	5	67.03627	8333.991	12417.64	2	0	2 Yes
75	4	71.41853	8219.89	12748.91	2	0	1 Yes
86	5	59.83536	7514	14515.3	2	0	1 Yes
84	5	57.92501	7613.868	14748.06	2	0	2 Yes
50	5	65.84865	8415.816	9216.898	2	0	2 Yes
51	4	61.3444	8065.982	17739.42	2	0	2 Yes
18	4	70.85113	8258.544	3842.067	2	0	1 Yes
42	5	67.77355	7625.681	7075.282	1	0	0 Yes
19	5	62.23152	7725.243	6927.067	2	0	1 Yes
41	5	70.72325	8516.387	14072.27	2	0	1 Yes
37	4	62.12015	7678.329	12808.51	1	0	2 Yes
72	3	44.3405	6132.805	12472.59	2	0	1 No
77	5	56.38019	6805.358	25182.72	0	1	1 Yes
27	6	60.98808	7341.615	5109.539	0	0	2 Yes
47	4	55.3973	6724.822	15532.39	1	0	1 Yes
21	5	53.40935	6731.541	4248.742	1	0	2 Yes
78	4	65.91043	7862.558	13187.41	2	0	0 Yes
78	7	46.4771	5993.019	25590.42	0	0	1 No
38	5	57.59804	7392.003	12981.25	2	0	1 Yes
49	5	63.61952	7778.324	16534.91	2	0	1 Yes
61	4	61.85429	6983.573	10181.27	1	1	1 Yes
34	5	65.45652	8017.577	6115.052	2	0	0 Yes
46	5	67.78592	7522.241	15160.63	0	0	1 Yes
38	4	44.61395	5855.421	12498.64	1	1	0 No
30	6	50.12849	6949.505	6086.75	2	0	2 No
70	5	67.64136	7923.891	23308.46	1	0	2 Yes
58	4	68.05936	7568.107	9821.345	0	0	1 Yes

58	5	68.69247	7578.188	9497.445	1	0	0 Yes
86	6	68.04788	7730.779	14113.34	0	0	0 Yes
87	5	63.74009	7410.764	28279.19	1	0	0 Yes
69	5	51.71096	6516.762	22605.65	1	0	1 No
33	5	36.10684	5411.671	6083.513	2	0	1 No
64	4	49.9688	6762.71	11126.38	2	0	1 No
40	5	64.65181	7153.116	7005.312	0	1	0 Yes
73	4	68.8002	8418.843	13494.54	2	1	2 Yes
78	6	64.31351	7964.009	13364.18	2	0	1 Yes
86	7	58.52818	7834.325	28760.57	2	0	2 Yes
26	5	56.74153	6860.499	8803.625	0	0	1 Yes
67	6	58.30882	7765.578	12199.61	2	0	2 Yes
82	4	65.78393	8329.762	14307.27	2	0	2 Yes
18	6	59.61557	6740.457	3125.703	1	0	0 Yes
23	6	64.1465	8097.209	5468.765	2	1	2 Yes
71	5	59.00389	7382.765	12308.73	2	0	1 Yes
48	4	55.34572	6674.178	15739.58	0	0	1 No
40	6	65.69891	8515.87	14062.62	2	0	2 Yes
85	4	57.52745	6810.046	14061.09	0	0	1 Yes
34	5	58.75834	7328.268	6278.158	2	0	1 Yes
67	5	47.12601	6468.229	11495.05	2	0	1 No
43	3	70.77216	8325.248	14609.91	0	0	2 Yes
43	6	59.58047	7749.513	8047.887	2	0	2 Yes
63	4	57.13963	6598.165	10531.58	1	0	1 Yes
78	4	57.91159	7671.48	13702.29	2	0	2 Yes
86	5	58.85946	6862.777	27856.2	0	0	0 Yes
20	4	67.64326	8627.839	4327.015	2	0	2 Yes
70	5	60.31989	7553.76	23441.98	0	0	2 Yes
76	5	44.55384	6224.062	13581.03	2	1	0 No
32	5	71.35395	7762.855	5601.792	0	0	1 Yes
36	6	65.97694	7734.869	6575.173	0	0	2 Yes
48	5	65.6317	8403.177	16655.49	2	0	2 Yes
78	4	54.83661	7126.752	25781.71	0	0	2 Yes
42	4	47.00218	6351.799	8137.249	2	1	1 No
47	4	57.42345	6632.79	8013.787	0	0	1 Yes
56	5	63.56183	7747.388	9807.663	2	0	1 Yes
22	4	69.18877	7836.6	4026.766	1	0	1 Yes
86	5	59.53395	7974.574	15079.6	2	0	2 Yes
80	4	69.92301	8874.254	27563.86	2	1	2 Yes
38	7	52.33227	6876.933	7621.655	2	1	1 Yes
30	5	53.689	6584.916	9986.412	1	0	0 No
46	7	69.1488	7719.058	15306.12	0	1	1 Yes
36	6	66.01396	7923.746	6525.289	2	0	0 Yes
69	6	39.29249	5709.72	12059.37	0	0	2 No
30	5	55.10345	6995.39	10369.12	2	0	0 Yes
86	4	69.03538	7986.371	14594.16	0	0	2 Yes
52	5	50.61463	6657.119	9532.96	0	1	2 No

70	6	56.70266	6758.929	22940.89	1	1	1 Yes
87	5	69.50343	7902.754	28260.56	0	0	1 Yes
51	5	71.76719	8360.781	17144.64	2	0	1 Yes
65	5	54.24372	6954.938	11293.91	1	0	2 No
88	6	55.04315	7039.443	15568.42	2	1	1 Yes
22	4	62.68111	7817.984	4478.148	2	0	1 Yes
73	6	65.55296	7957.923	12418.57	2	0	0 Yes
35	6	63.84101	7306.71	5882.588	1	0	0 Yes
87	6	46.3355	6554.321	28639.99	2	0	1 No
49	6	49.76183	6440.547	8746.649	0	1	2 No
23	6	71.67803	8893.463	4949.335	2	0	2 Yes
63	5	57.8503	6752.911	10408.44	1	0	1 Yes
58	6	43.53114	5627.941	9602.261	1	0	1 No
48	1	41.15245	5957.63	8311.686	2	0	0 No
78	4	54.44016	6747.132	25661.82	0	0	1 Yes
64	5	58.84324	8006.837	21889.47	2	0	2 Yes
66	5	48.46317	6555.754	12045.98	2	1	1 No
19	5	50.30676	7266.94	7351.29	2	0	2 No
73	6	53.2342	7021.364	24241.89	2	0	1 Yes
57	4	58.9743	7759.458	10983.53	2	1	2 Yes
26	4	66.44582	7747.633	4600.464	0	0	1 Yes
34	6	68.96085	8159.401	6254.01	0	0	2 Yes
25	4	52.96692	6439.636	8517.427	1	0	1 No
18	5	50.69353	6737.819	3808.165	1	0	2 No
73	5	58.04049	7277.392	12783.82	2	0	1 No
42	5	52.97874	7158.497	14239.76	2	0	0 No
19	5	54.4956	7684.009	7388.632	2	0	2 Yes
63	5	55.74017	7201.232	21678.57	2	1	1 Yes
44	6	66.40395	7941.538	7859.974	2	0	1 Yes
50	6	58.58152	7022.391	16544.41	0	0	1 Yes
70	6	57.65046	7190.403	23256.96	0	0	2 Yes
24	5	64.35286	7261.152	4351.207	0	0	1 Yes
41	5	57.34562	7127.366	7457.238	2	0	1 Yes
46	4	39.5254	5326.896	15280.49	0	0	1 No
80	3	64.63114	7898.237	26548.96	0	0	2 Yes
60	7	60.78431	7433.989	20102.57	1	0	2 Yes
35	5	43.94406	5968.691	6387.238	2	0	1 No
45	5	60.62555	7149.502	7485.121	0	0	0 Yes
85	4	69.57928	7763.176	27714.02	0	1	1 Yes
45	7	68.96224	8173.198	8725.506	2	1	1 Yes
62	5	50.70183	6938.523	20629.63	2	0	1 No
58	5	51.80287	7412.99	10614.12	2	0	2 No
47	6	52.85149	6298.546	15626.38	1	1	1 Yes
64	4	67.10501	7767.619	11092.16	0	0	2 Yes
56	3	37.27624	6247.559	19836.74	2	1	2 No
84	6	55.80012	6987.048	14300.5	1	0	2 No
83	5	57.67537	7798.758	27772.28	2	0	2 Yes

52	5	64.79655	7224.656	8663.655	1	0	0 Yes
26	5	43.49329	5606.959	8722.537	1	0	0 No
80	6	62.23056	7014.403	13369.61	1	1	1 Yes
26	6	67.42901	7638.724	8772.84	0	0	1 Yes
72	4	67.69218	7589.763	23590.16	0	0	1 Yes
29	5	58.94557	6912.081	5144.929	0	0	0 Yes
48	6	60.79679	7763.061	8884.855	2	0	2 Yes
89	5	69.69655	8317.61	15039.37	2	0	0 Yes
33	4	63.01033	8233.888	6630.376	2	0	2 Yes
59	6	64.64655	7724.244	10359.25	1	1	2 Yes
19	7	70.36779	7819.908	6442.821	1	0	0 Yes
78	6	57.90578	7112.683	13758.34	2	1	0 Yes
89	4	62.18307	7252.558	14841.85	0	1	1 Yes
74	4	68.84914	7789.016	12289.11	0	0	0 Yes
34	4	68.32195	7783.908	11368.99	1	0	1 Yes
47	4	46.47349	6736.595	8844.448	2	0	2 No
18	4	67.05282	8143.689	6647.972	2	0	1 Yes
66	5	42.58801	6256.104	21917.78	2	0	1 No
73	6	70.92231	8437.348	24932.69	2	1	1 Yes
70	4	68.55831	7738.456	11532.51	1	0	1 Yes
27	7	49.51688	6566.204	5068.373	0	0	2 No
22	6	51.03344	6704.15	4412.754	2	0	1 No
85	6	67.87874	7489.474	13941.23	1	0	1 Yes
36	4	71.43077	8451.832	7142.978	2	1	1 Yes
73	4	71.27239	7942.798	24035.19	0	1	1 Yes
29	5	38.65684	6106.058	6572.829	2	1	2 No
23	6	53.04876	6857.025	4607.792	0	0	2 No
60	4	51.32855	6818.615	20581.64	2	1	0 No
69	4	68.94849	7822.907	22614.07	0	1	1 Yes
74	6	42.15807	6116.2	13320.29	2	1	1 No
78	7	54.22103	7130.821	25860.37	2	0	1 No
63	5	71.67379	8108.22	20771.01	1	1	1 Yes
45	5	66.84321	7418.788	7720.131	0	0	1 Yes
50	4	63.94911	7865.979	16661.28	2	0	0 Yes
46	5	71.1256	8823.633	9213.632	2	1	2 Yes
34	5	42.66478	6130.763	11533.82	2	0	0 No
18	5	60.82399	7682.765	6627.522	2	0	1 Yes
52	5	63.51076	8045.118	9578.681	2	0	2 Yes
71	5	62.3865	7538.092	12289.5	1	1	2 Yes
31	6	65.94823	7918.819	5828.398	2	0	0 Yes
75	4	66.71962	7653.517	24629.63	0	0	1 Yes
79	6	66.57744	8213.871	26081.18	2	0	1 Yes
71	4	70.00759	8457.748	23568.51	2	0	0 Yes
46	4	37.97312	5707.19	15505.84	1	0	2 No
47	7	68.92926	7638.484	8097.442	0	1	1 Yes
50	4	68.35404	8104.576	9052.613	2	0	1 Yes
22	5	53.82709	7502.746	4884.387	2	0	2 Yes

45	6	70.32995	8495.072	15192.29	2	0	1 Yes
58	6	44.61653	5708.937	18922.94	1	0	0 No
49	6	51.52056	7088.133	9090.38	2	0	2 No
59	5	63.24666	7734.578	19749.05	2	0	0 Yes
51	5	60.59473	7592.029	17012.32	2	0	0 Yes
43	5	69.95844	7647.61	7409.037	0	0	1 Yes
64	4	61.52648	8042.88	11577.61	2	0	2 Yes
77	4	62.63406	7830.177	25533.01	2	0	1 Yes
88	7	65.41831	7872.627	14833.04	0	0	2 Yes
70	5	44.29842	6110.049	23342.68	2	0	1 No
43	6	66.06392	7488.85	7299.558	1	0	1 Yes
24	4	56.21411	7472.712	5109.916	2	0	2 Yes
46	4	63.00769	7544.217	15539.91	1	0	2 Yes
77	4	56.26557	7755.255	13654.78	2	0	2 Yes
86	5	42.74775	5478.605	14284.88	1	1	1 No
40	6	64.58339	8239.268	7538.637	2	0	2 Yes
53	7	71.5442	8537.53	18221.46	1	1	2 Yes
59	4	46.10291	6837.341	20116.8	2	0	2 No
47	6	52.17327	6894.061	8344.995	2	0	1 No
89	6	70.84097	8500.079	29431.32	1	0	2 Yes
80	5	70.23639	8404.544	26371.85	2	0	0 Yes
60	5	63.88413	7946.702	19996.21	2	0	1 Yes
68	4	71.89863	8489.002	11755.09	2	0	1 Yes
37	4	69.31651	8445.437	6756.622	2	0	1 Yes
76	2	46.3651	6879.957	13442.7	2	0	2 No
52	7	70.4454	7759.461	8782.629	0	0	1 Yes
32	6	70.7324	8064.841	6045.919	0	0	2 Yes
29	5	58.7731	7854.394	10505.68	2	0	2 Yes
59	4	69.74174	8348.49	19675.95	2	0	1 Yes
40	5	52.62087	6760.925	7275.788	1	0	2 No
65	6	52.64886	6888.319	11252.89	2	0	1 No
29	4	58.34489	7184.718	5512.988	1	0	2 Yes
80	4	69.60751	8464.432	26565.74	2	0	1 Yes
35	6	58.50937	7400.957	6561.878	2	0	1 Yes
75	4	69.91792	8394.985	12834.56	1	0	2 Yes
85	5	69.17057	8218.384	28276.69	1	0	2 Yes
70	5	53.64263	6457.36	22843.62	0	0	1 No
58	6	69.68271	7760.801	9697.45	0	1	0 Yes
64	5	57.27559	7318.197	21482.68	2	0	1 Yes
78	5	55.61309	7218.675	13170.29	2	0	0 No
76	8	59.07904	7268.498	12906.21	2	0	1 Yes
18	5	69.24592	8335.72	3750.026	2	0	1 Yes
89	4	68.74781	8681.445	29693.85	2	0	2 Yes
76	3	65.92721	7816.84	12906.06	0	0	2 Yes
52	6	48.61908	6312.603	9165.187	0	0	2 No
76	4	66.41287	8509.433	13374.57	2	0	2 Yes
82	5	65.4365	7818.432	27223.55	1	0	2 Yes

76	5	59.50992	6817.915	12523.51	0	0	1 Yes
34	5	51.93396	6815.578	6029.487	2	0	0 No
62	4	66.79897	7999.438	10743.64	2	0	1 Yes
21	5	65.73496	8032.454	8085.207	2	1	0 Yes
73	5	69.35313	8169.503	12413.93	0	0	2 Yes
84	4	59.49952	7415.275	27789	2	0	1 Yes
49	6	64.36037	7677.614	8815.321	1	1	2 Yes
48	6	66.54869	7992.126	8495.509	2	0	1 Yes
69	5	39.46886	5848.466	12151.88	2	0	1 No
47	5	70.24839	8468.175	15832.81	2	0	1 Yes
61	5	67.27205	8252.452	10795.28	2	0	1 Yes
81	6	57.13313	6794.2	26254.89	0	0	0 No
37	5	70.11732	8207.261	6705.121	2	0	1 Yes
18	6	65.60247	8120.907	6658.307	2	0	1 Yes
26	5	64.38441	7363.047	4549.23	0	0	1 Yes
86	5	68.99158	7653.533	14101.81	0	0	1 Yes
74	6	71.8806	8648.4	24590.55	2	0	0 Yes
78	5	65.76227	8008.483	13442.87	2	0	1 Yes
69	5	71.33012	8770.966	12223	2	0	2 Yes
22	6	61.85326	7642.445	7776.246	2	0	0 Yes
78	5	39.20625	5919.33	25791.7	2	0	1 No
19	5	60.32409	7895.59	4197.219	2	0	2 Yes
64	6	66.19002	7279.153	10515.71	0	0	0 Yes
43	7	49.65116	6590.889	8220.289	2	1	0 No
29	5	43.51336	6406.575	6572.829	2	1	2 No
53	4	50.85403	6813.623	18077.87	1	1	2 Yes
64	5	66.72718	7856.922	11098.95	1	0	2 Yes
54	7	58.99555	7485.56	17942.32	2	0	0 Yes
86	5	45.05817	6619.267	15879.87	2	1	2 No
76	3	63.38593	7206.489	12387.91	1	0	0 Yes
20	8	54.31581	7037.43	7394.542	1	0	2 Yes
35	4	57.97748	7677.847	7361.675	2	1	2 Yes
60	4	69.79834	8060.256	10364.27	1	0	2 Yes
35	6	62.31842	7755.825	6292.804	2	0	0 Yes
77	5	64.53351	8071.861	25563.79	2	0	1 Yes
56	4	49.52823	6277.332	18505.45	0	1	1 No
51	4	66.01216	8344.068	10040.76	2	1	2 Yes
80	2	67.60782	8416.852	26351.4	2	0	0 Yes
54	5	62.9642	8449.859	18566.99	2	0	2 Yes
86	5	61.47503	7174.396	14350.04	1	1	1 Yes
69	4	56.93625	7358.173	11735.39	2	0	0 Yes
53	5	46.80247	6390.429	18436.3	2	1	0 No
86	4	61.60421	7548.257	14700.01	2	0	1 Yes
25	6	57.93818	7284.532	4874.094	2	0	1 Yes
19	6	59.36532	6951.793	3517.516	0	0	1 Yes
41	4	57.52972	7806.131	7726.724	2	0	2 Yes
81	5	63.46419	7826.245	26783.27	2	0	1 Yes

43	4	53.18817	6970.087	14692.35	2	0	1 No
45	5	48.77269	6138.217	7686.068	1	0	1 No
49	5	67.03651	8586.967	9643.874	2	1	2 Yes
48	7	63.33469	7314.614	15801.15	0	0	1 Yes
60	6	57.3759	7216.42	10495.32	2	0	0 Yes
41	5	40.338	5827.789	7289.155	2	0	1 No
45	6	65.86136	7424.227	14809.58	0	0	1 Yes
37	5	64.63014	7416.591	6308.076	1	1	0 Yes
34	4	53.72257	6591.819	11277.84	0	0	0 No
72	4	63.06755	8256.91	24403.65	2	0	2 Yes
38	5	60.01495	7440.076	6899.766	2	0	1 Yes
64	4	54.1704	6563.712	21173.24	1	1	1 No
60	4	51.88754	6380.879	19767.74	1	0	1 No
23	6	69.0856	8731.683	4962.995	2	0	2 Yes
50	5	52.78082	6813.016	8847.455	2	0	1 Yes
54	4	47.77619	6721.363	10249.24	2	1	1 No
45	5	71.87085	8962.874	15838.56	2	0	2 Yes
88	5	61.76076	7400.869	28527.5	0	0	0 Yes
59	7	68.3986	8129.539	10952.69	2	1	1 Yes
50	3	58.42884	7828.513	17272.33	2	0	2 Yes
64	4	54.23283	7551.799	21855.4	2	0	2 Yes
77	5	66.73353	8081.346	25437.22	0	0	2 Yes
66	4	45.13669	6281.603	11548.48	0	1	2 No
84	5	45.32286	6749.5	14789.23	2	0	2 No
30	4	45.71859	6856.687	10798.44	2	0	2 No
60	5	65.37058	8002.659	10429.27	2	0	1 Yes
22	5	58.08307	7394.626	4392.351	2	0	1 Yes
40	3	71.48141	8004.178	13266.57	0	0	1 Yes
39	6	61.00612	6914.075	6422.177	1	0	0 Yes
77	4	56.5813	6761.256	24987.19	1	0	0 Yes
73	6	54.60871	6536.581	12183.22	0	0	0 No
29	6	64.27739	8134.368	5885.316	2	0	2 Yes
81	4	63.86407	7833.478	26800.71	2	0	1 Yes
41	5	62.47959	7693.158	14020.89	0	0	2 Yes
58	5	69.33923	8228.652	10316.81	2	0	1 Yes
34	4	44.69568	6487.739	6247.373	2	0	1 No
42	5	60.20223	7540.867	14258.86	1	0	2 Yes
80	5	65.42556	7927.276	26616.93	2	0	1 Yes
25	6	66.11094	8428.265	5407.296	2	0	2 Yes
62	6	71.7013	8666.149	20790.66	2	0	1 Yes
62	4	60.76846	7574.707	10853.02	0	0	2 Yes
54	4	45.8264	6331.884	18298.72	1	1	2 No
26	6	65.11053	7515.633	4733.938	1	0	1 Yes
50	5	58.98793	6995.173	8464.302	0	1	0 Yes
53	5	66.19775	7426.941	9049.225	0	0	1 Yes
73	5	62.28195	8125.438	12868.6	2	0	2 Yes
34	5	58.81905	6968.14	5912.619	0	0	1 Yes

82	3	59.20166	6933.064	13603.34	0	0	1 Yes
45	5	52.62275	6739.484	7799.158	2	0	0 No
30	4	69.51809	7856.384	10087.95	0	0	1 Yes
59	5	58.42816	7398.755	19833.55	1	0	2 Yes
41	6	55.1381	7091.613	14267.16	0	0	2 Yes
61	6	69.22063	7647.736	10412.57	0	0	1 Yes
29	6	56.91869	7336.819	10268.46	0	1	2 Yes
44	3	53.70495	7000.618	14944.33	1	0	2 No
79	4	57.8823	7997.983	26765.34	2	0	2 Yes
87	7	69.29512	7811.843	28312.06	1	0	1 Yes
28	5	49.11226	6466.237	9951.479	0	1	2 No
60	5	69.20182	8382.88	20095.67	2	0	1 Yes
54	5	55.46439	6630.092	9036.864	0	0	0 No
87	5	53.2988	6901.138	14881.31	2	0	1 No
83	4	60.00068	7542.453	27564.37	2	0	1 Yes
21	6	65.40141	7383.73	3805.814	0	0	0 Yes
63	5	58.68736	6945.918	20697.74	1	0	1 Yes
26	5	57.04133	7292.939	5024.294	2	0	1 Yes
86	4	55.50256	6569.387	14278.09	1	1	1 Yes
63	4	61.68858	7494.589	10935.9	2	0	0 Yes
31	4	50.21781	6187.202	5262.743	1	0	1 No
45	4	50.86399	6681.422	8560.701	2	1	1 No
37	5	44.17302	5655.232	6353.196	0	0	1 No
30	6	64.44075	7334.259	10087.95	1	0	1 Yes
72	3	56.90378	7322.041	23931.7	2	0	1 Yes
37	7	46.92153	5957.484	12309.06	1	0	1 No
44	5	44.33109	6291.924	8298.584	2	1	0 No
89	5	60.81947	7337.742	15200.68	1	1	2 Yes
58	5	69.93246	8298.692	10222.66	0	1	2 Yes
63	5	66.789	8153.447	21345.33	0	1	2 Yes
85	4	61.08077	7033.416	27616.76	0	0	1 Yes
62	4	54.42791	6901.79	20804.66	0	0	2 No
88	5	70.59641	8446.376	15021.49	2	0	1 Yes
40	5	65.70325	7311.219	6745.864	1	0	1 Yes
69	6	62.27743	7205.771	22626.09	0	0	1 Yes
75	5	39.36318	6262.145	13227.65	2	0	2 No
60	6	49.71649	6187.398	19625.04	0	0	0 No
72	5	66.02388	7949.123	12349.45	2	0	1 Yes
28	6	65.72714	7970.326	5376.241	2	0	1 Yes
74	6	71.84862	8828.974	13067.07	2	0	2 Yes
40	5	41.12602	5737.787	7027.037	2	0	0 No
72	6	64.09043	7704.587	12263.89	2	0	1 Yes
57	5	54.69307	6750.612	9968.092	1	0	2 No
38	4	65.06512	7685.275	12718.71	1	0	1 Yes
40	5	50.8904	6430.74	13322.54	1	0	0 No
46	6	65.00229	7302.094	7636.956	1	1	0 Yes
58	5	62.16723	7583.058	10149.12	0	0	2 Yes



44	5	65.77709	8063.117	15145.97	1	0	2 Yes
82	4	56.31486	6813.267	26679.21	0	1	0 Yes
26	4	64.46307	7363.272	4426.977	0	0	0 Yes
44	4	51.41966	7362.35	15354.04	2	0	2 No
27	4	51.39096	7062.545	9510.76	2	0	0 No
61	7	71.60459	8146.87	20111.91	0	0	1 Yes
60	7	54.87188	7241.666	20116.07	2	0	1 Yes
38	5	50.07465	6156.164	12404.65	1	0	0 No
46	6	58.72439	7901.041	16169.21	2	0	2 Yes
78	5	64.52088	7773.56	13473.5	0	0	2 Yes
68	4	60.47053	6957.664	11469.65	1	1	1 Yes
88	5	63.71488	7795.044	14956.33	2	0	1 Yes
20	3	69.09404	7795.366	6916.12	0	0	1 Yes
45	4	44.69152	6503.11	9032.334	2	1	2 No
23	6	40.99374	6200.122	5465.487	2	1	2 No
87	4	65.69383	8063.712	28733.83	0	1	2 Yes
37	4	51.96588	6956.05	13243.68	2	1	0 No
31	5	68.38677	8249.737	11236.32	2	1	0 Yes
40	7	60.28334	7719.217	13621.77	2	0	1 Yes
87	4	67.06651	7723.288	14356.38	1	1	1 Yes
53	5	64.75615	8045.336	9326.806	2	0	0 Yes
40	4	67.52292	8219.39	13660.81	2	0	0 Yes
23	6	63.80589	7255.063	4129.056	0	0	1 Yes
77	6	65.89681	8053.654	13100.86	2	0	1 Yes
55	6	44.8653	6203.396	18470.48	1	0	2 No
57	3	51.56604	7419.861	19514.16	2	0	2 No
37	6	50.72352	7097.223	13410.38	2	1	1 No
56	3	58.39422	7504.746	19621.45	2	1	1 Yes
69	6	60.69992	6995.247	11415.89	1	1	0 Yes
67	4	71.35035	7967.23	11191.35	0	0	1 Yes
55	5	57.02144	7125.368	9564.796	2	0	1 Yes
40	8	65.94533	8270.068	8160.752	2	1	2 Yes
22	5	62.39216	7223.272	4225.134	1	0	1 Yes
25	5	43.67774	5857.636	8490.153	0	0	1 No
57	6	65.88453	7591.324	9621.234	0	1	1 Yes
33	5	47.07018	6135.605	11005.49	1	0	0 No
57	6	59.25206	7540.725	19127.78	2	0	1 Yes
31	7	64.74777	8428.893	11334.5	2	0	2 Yes
52	5	66.66243	7977.339	9209.784	2	0	1 Yes
85	4	47.85351	6946.471	28491.81	2	0	2 No
29	5	63.97525	7816.378	5423.751	2	0	1 Yes
38	5	58.10645	6761.629	6580.261	1	1	1 Yes
41	3	63.21869	7872.942	7371.441	2	0	1 Yes
87	6	53.60417	7405.555	15301.44	2	0	2 No
47	5	64.38942	7804.587	16021.19	0	0	2 Yes
72	5	55.34961	7082.373	12421.09	2	0	1 Yes
81	4	62.77682	7351.591	26573.56	1	1	1 Yes

52	5	57.18525	7312.664	17543.91	2	0	1 Yes
60	4	70.91837	8089.674	19613.5	1	0	1 Yes
65	4	70.93519	7865.431	21297.09	0	0	1 Yes
64	4	69.19601	8295.831	21397.12	2	0	1 Yes
79	6	65.10529	7363.177	25936.31	0	1	1 Yes
74	5	67.76019	8027.617	24617.02	0	0	2 Yes
37	6	54.94735	7612.871	13071.05	2	0	2 Yes
88	3	63.5147	7258.381	28540.85	1	0	0 Yes
24	6	68.86837	8084.109	8542.381	1	0	2 Yes
47	5	59.85402	7502.093	8934.564	2	1	0 Yes
77	6	47.15062	6023.641	25071.11	0	1	0 No
56	5	62.4362	7700.674	9821.01	2	0	1 Yes
79	5	68.0284	8708.165	14140.24	2	0	2 Yes
57	4	62.60026	7304.173	18776.17	1	0	1 Yes
51	5	52.46267	6457.255	8572.183	0	1	1 No
43	4	36.41277	5252.764	7793.23	1	1	2 No
87	5	51.56549	6900.218	15005.65	2	0	0 No
39	3	56.16737	6749.441	6554.498	0	0	1 Yes
89	5	54.73198	6500.655	14612.26	1	0	0 Yes
63	6	69.49851	8363.391	11584.68	2	1	1 Yes
76	6	62.74085	7175.672	12538.32	1	0	0 Yes
18	5	44.02494	6117.633	3664.31	1	0	2 No
64	5	62.90997	7208.831	20891.27	1	0	1 Yes
67	7	66.07628	8022.842	11331.94	2	0	0 Yes
66	5	65.22619	7917.91	11303.68	2	0	1 Yes
21	4	58.32075	7412.679	7486.77	2	0	0 Yes
34	3	59.68404	7510.446	6125.12	2	0	0 Yes
46	6	53.85851	7058.418	8184.414	2	0	1 No
36	6	67.49962	8204.926	6640.486	2	0	1 Yes
57	5	54.61526	6424.732	9610.416	1	0	0 No
42	4	64.63922	7312.433	7325.321	1	1	1 Yes
22	5	63.92399	7310.256	4211.474	1	0	1 Yes
39	5	67.57308	8282.896	7775.679	2	1	1 Yes
69	7	70.84812	7926.822	22492.57	0	0	1 Yes
57	7	54.40903	7499.139	19548.23	2	0	2 Yes
34	5	71.84879	8288.847	6243.942	1	0	2 Yes
30	6	68.44148	8243.852	5584.725	0	0	2 Yes
68	4	66.61697	8070.414	22729.66	2	0	1 Yes
84	5	68.20966	8075.811	14312.21	0	1	2 Yes
36	6	66.41695	7540.958	6084.289	0	0	0 Yes
46	4	59.48453	7608.705	16446.66	2	1	1 Yes
19	5	60.82744	7713.484	3828.321	2	0	1 Yes
67	5	70.51825	8731.62	22678.89	2	0	2 Yes
43	5	62.03591	7635.852	14630.62	1	0	2 Yes
41	5	52.0648	6907.727	13847.6	2	0	0 No
31	6	60.58497	7996.792	6124.192	2	0	2 Yes
58	5	70.60065	8152.874	10019.03	2	0	1 Yes

23	5	50.10405	6434.278	4505.056	0	0	2 No
35	5	65.78462	8015.408	12042.07	2	0	0 Yes
21	3	71.24565	7919.022	3644.788	0	0	0 Yes
31	4	59.10452	6982.166	10295.14	0	0	1 Yes
28	5	57.62546	7467.288	9747.849	2	0	1 Yes
30	5	62.85544	7234.798	5264.391	0	0	0 Yes
72	4	69.33333	7621.855	11966.75	0	0	1 Yes
86	5	69.30404	8107.213	14512.03	2	0	1 Yes
46	3	57.80002	6591.695	7709.351	0	0	1 Yes
57	7	63.67731	7745.781	19155.13	1	0	2 Yes
86	6	57.08736	6919.271	14123.73	0	0	0 Yes
70	5	59.71936	7515.624	12107.03	2	0	1 Yes
55	5	60.67368	8031.238	19010.39	2	0	2 Yes
52	6	63.54432	7134.321	8731.128	1	0	1 Yes
34	5	70.91227	8310.039	6271.601	2	0	1 Yes
37	5	57.84131	7339.701	6617.245	2	0	0 Yes
79	5	64.73145	7780.871	13548.83	1	0	2 Yes
46	4	65.68484	7804.925	8085.351	0	0	2 Yes
18	4	70.6051	8276.308	3789.084	0	1	2 Yes
32	6	56.77182	7545.587	11469.74	2	0	2 Yes
46	6	68.88377	8789.163	8676.764	2	0	2 Yes
47	5	59.36593	7904.838	16445.02	2	0	2 Yes
62	3	63.38772	7413.918	20305.53	1	0	1 Yes
42	5	64.67785	7812.398	7562.807	2	0	1 Yes
47	3	63.50892	7358.867	8044.572	0	0	1 Yes
53	6	64.93616	8187.378	10255.41	2	1	2 Yes
35	6	57.31918	7199.058	6473.196	0	0	2 Yes
55	6	71.07078	8863.007	18866.54	2	0	2 Yes
42	4	59.41639	7309.634	14228.08	0	0	2 Yes
59	7	68.61987	8075.719	10286.13	2	0	1 Yes
40	7	63.45086	8066.298	13619.69	2	0	0 Yes
20	5	44.75966	6179.902	3910.242	1	0	2 No
46	5	62.89576	7864.815	16172.56	2	1	1 Yes
21	7	65.2237	7885.202	8245.035	2	1	1 Yes
62	7	66.77319	8086.467	21543.33	2	1	1 Yes
61	6	50.53611	5996.505	10271.99	0	0	1 No
53	4	70.45591	8325.289	17701.07	2	0	0 Yes
59	5	70.67564	7815.889	9951.142	1	0	1 Yes
34	5	51.66562	7005.223	11669.42	2	0	1 No
26	4	47.41147	6604.843	9408.616	2	0	1 No
30	5	65.66167	8576.893	10973.08	2	0	2 Yes
34	5	61.47133	7723.536	12193.82	2	1	0 Yes
79	4	61.23469	7654.249	26355.12	1	0	2 Yes
78	4	66.81081	7499.213	12818.36	1	0	0 Yes
57	4	67.77593	8105.697	19210.07	2	0	1 Yes
51	5	64.33307	7493.662	16864.67	1	0	1 Yes
66	5	62.61021	8223.385	11741.25	2	0	2 Yes

83	6	52.43767	6857.269	27593.36	1	1	2 No
86	6	62.10966	7030.932	14194.16	0	0	1 Yes
22	4	50.69514	6595.034	7915.205	0	0	2 No
75	6	49.74425	6149.3	12295.45	1	0	0 No
65	6	70.44502	8239.731	21712.3	1	1	2 Yes
62	6	49.57456	6490.623	10672.89	2	0	0 No
44	4	66.25683	8356.172	8263.248	2	0	2 Yes
79	4	59.70123	7517.849	26792.68	2	1	1 Yes
77	5	69.42591	7690.022	12551.76	1	0	0 Yes
38	5	62.82476	7375.727	6609.41	1	0	1 Yes
76	4	65.19841	7330.435	12496	1	0	1 Yes
74	7	59.69753	7404.322	12646.07	2	0	1 Yes
77	6	43.46963	5832.708	25057.94	0	0	1 No
49	3	56.29538	6676.143	8406.9	0	0	1 Yes
65	4	68.59287	8206.038	11170.61	2	0	1 Yes
82	4	71.48014	8671.489	13944.93	2	0	1 Yes
67	5	66.64488	8068.463	11546.55	2	0	1 Yes
77	6	63.74038	8004.253	13808.7	2	0	2 Yes
53	4	44.49698	5793.194	8912.426	1	0	1 No
27	5	70.70902	8431.173	9387.621	2	0	0 Yes
30	3	37.33704	5666.141	5697.403	2	0	1 No
56	4	52.1235	6318.785	9315.162	0	0	1 No
49	5	65.59755	8508.986	9794.832	2	1	2 Yes
44	6	48.70216	6394.614	7928.494	0	0	2 No
84	4	64.27779	7423.294	14177.88	0	0	1 Yes
31	3	45.34059	5969.321	10438.99	1	0	1 No
87	6	68.30349	7753.151	14263.59	0	0	0 Yes
30	8	60.02808	7917.752	5932.826	2	0	2 Yes
76	4	64.17424	7466.092	24734.4	1	0	1 Yes
59	4	50.13337	6296.76	19311.88	0	0	0 No
86	4	64.31572	8404.403	28788.08	2	0	2 Yes
60	4	66.98697	8009.035	10542.19	1	0	2 Yes
75	5	56.58737	7197.286	24937.28	0	0	2 Yes
68	6	62.5202	7282.249	11305.34	0	1	1 Yes
54	1	53.27686	6840.885	18153.5	0	0	2 No
86	5	56.11068	7166.166	14621.67	0	0	2 Yes
56	6	56.74674	7478.429	9882.893	2	0	1 Yes
88	5	65.79155	8304.853	15479.46	2	0	2 Yes
18	4	41.02313	5630.527	3653.928	0	0	2 No
29	4	52.32247	6946.658	10098.9	2	0	1 No
24	4	58.68499	7323.226	4426.955	2	0	0 Yes
27	4	62.09192	7859.99	9530.324	2	0	1 Yes
20	4	71.55005	7939.273	3575.408	1	0	1 Yes
46	7	53.20637	6867.612	8292.412	0	1	2 Yes
83	5	69.44239	7759.897	13678.36	1	0	1 Yes
26	5	46.52933	6253.697	9100.068	0	0	2 No
70	7	41.16018	5740.585	12007.58	2	0	1 No

77	6	54.21695	6711.6	13185.95	0	0	2 Yes
43	6	70.31288	8150.727	7904.665	0	0	2 Yes
35	5	67.42841	8026.419	6486.542	0	0	2 Yes
50	5	53.15378	6797.39	16903.24	0	0	2 Yes
85	6	68.38894	7590.959	14033.58	1	0	1 Yes
69	5	51.54026	7270.595	23411.76	2	0	2 No
65	6	62.92953	7717.918	21683.16	0	0	2 Yes
70	4	65.28037	7848.573	11946.01	2	0	1 Yes
66	6	70.60115	7942.317	11016.16	1	1	0 Yes
59	5	62.41421	7956.17	10795.1	2	0	2 Yes
32	5	63.65033	7165.047	5822.199	1	1	1 Yes
36	5	68.21159	7952.281	6595.889	0	0	2 Yes
33	6	65.89816	8429.164	11831.17	2	0	2 Yes
69	6	64.07424	7312.166	11352.68	0	0	0 Yes
37	4	59.78498	7252.978	7035.168	0	1	2 Yes
76	4	50.21827	6196.985	12703.06	1	1	1 No
82	5	36.54602	5023.093	26734.98	0	0	1 No
18	5	53.99688	6859.509	3796.141	1	1	2 Yes
48	6	55.3577	7525.129	9254.585	2	0	2 Yes
79	4	71.51665	8900.442	26522.02	2	0	2 Yes
25	4	56.13289	6684.868	4494.895	1	0	1 Yes
35	7	56.79772	7385.364	6418.022	2	0	1 Yes
70	5	65.351	8462.054	12383.58	2	0	2 Yes
67	6	55.30448	7728.248	22706.39	2	0	2 Yes
25	4	59.72504	6821.378	4481.003	0	0	1 Yes
38	6	66.21292	7558.388	6506.988	1	0	1 Yes
38	5	51.11031	6740.151	12879.71	2	0	0 No
71	3	50.8741	6738.06	12212.95	0	0	2 No
44	6	61.97986	8167.044	8519.906	2	0	2 Yes
62	4	59.22447	7427.048	20965.3	2	0	1 Yes
31	3	55.98956	7446.091	10872.94	2	0	1 Yes
33	4	49.07891	7019.7	7043.792	2	1	2 No
68	6	50.83542	6213.242	11075.75	1	0	0 No
80	6	56.89188	7772.202	27519.73	2	1	2 Yes
84	6	67.19184	7628.134	27351.27	0	0	1 Yes
47	6	64.39246	7903.207	16535.14	2	1	0 Yes
34	6	61.94498	7575.278	6125.12	2	0	0 Yes
53	6	57.47943	6883.157	17318.36	0	0	0 Yes
44	5	66.18901	7884.777	7880.538	0	0	2 Yes
76	5	60.17838	7044.623	24819.97	1	0	1 Yes
23	5	54.04383	7028.544	4498.152	2	0	1 Yes
33	5	53.58341	7482.779	6589.21	2	0	2 No
32	4	37.87785	6322.387	11438.96	2	0	2 No
71	4	50.64622	6138.059	11787.08	0	1	1 No
77	4	53.76042	7045.694	25512.6	2	0	1 No
41	6	42.11248	5732.634	13651.99	0	0	1 No
84	5	55.46718	6703.438	13984.43	1	1	1 Yes

55	6	50.67819	7053.136	9679.066	2	0	0 No
30	4	52.74863	7178.815	6004.777	2	0	2 Yes
61	7	53.88897	6858.759	10754.16	2	0	1 Yes
30	6	55.28834	6686.259	5219.06	1	0	1 No
43	6	67.71859	8340.783	15137.75	2	1	0 Yes
49	5	63.23039	8377.68	16880.12	2	0	2 Yes
27	4	65.47063	7925.162	9444.556	0	0	2 Yes
43	5	42.78478	5970.337	7709.622	0	0	2 No
38	5	54.27285	7129.028	6937.653	2	0	1 Yes
52	6	44.80282	6397.843	17649.93	2	0	1 No
25	5	63.78049	7594.045	4795.586	2	0	1 Yes
57	5	71.86954	8570.419	10009.26	1	0	2 Yes
63	6	61.93526	7992.129	11413.75	2	0	2 Yes
26	5	62.8654	7968.589	9880.404	2	1	1 Yes
32	5	60.59777	8184.008	11497.25	2	0	2 Yes
37	4	63.14241	8228.897	13173.78	2	0	2 Yes
41	5	54.25467	6522.126	7070.75	0	0	1 Yes
70	6	71.11533	8439	23404.25	2	0	1 Yes
62	4	59.27603	7417.59	20694.87	0	0	2 Yes
31	5	57.67829	7664.635	6814.984	2	1	2 Yes
73	5	48.4126	6908.676	13655.57	2	1	2 No
51	5	41.28826	5849.72	17438.99	0	0	2 No
35	6	65.48966	7792.358	6383.807	1	0	2 Yes
45	4	70.76274	8444.482	8557.423	2	1	1 Yes
41	6	49.40594	6049.697	6774.124	0	0	0 No
82	3	67.42139	8106.624	13740.66	2	0	0 Yes
34	4	68.46013	8616.6	6598.828	2	0	2 Yes
73	5	42.35681	5630.104	12351.24	1	1	1 No
49	5	70.3074	7947.492	16121.41	1	0	1 Yes
82	5	71.31613	8297.613	13826.46	2	0	0 Yes
53	5	60.97979	7498.317	17857.46	0	0	2 Yes
55	5	61.46789	7674.944	18579.61	2	0	1 Yes
21	4	46.22565	6913.298	8576.091	2	1	2 No
70	4	45.86859	5956.157	22939.57	1	0	1 No
70	5	47.11877	6562.073	23200.02	2	0	0 No
24	4	61.89584	7973.376	5082.41	2	0	2 Yes
18	4	71.01926	8187.174	3862.784	2	0	1 Yes
84	5	46.30687	6576.343	28278.84	2	1	0 No
80	5	61.31096	7427.751	13651.12	1	0	2 Yes
69	5	68.90679	8646.223	12400.91	2	0	2 Yes
35	6	70.1445	7808.582	5973.743	0	0	1 Yes
55	5	71.44826	8969.073	18938.49	2	0	2 Yes
72	6	62.57398	7627.718	12349.45	2	0	1 Yes
31	5	57.52469	6898.235	10377.42	1	0	1 Yes
79	4	69.33175	8773.164	13798.02	2	0	2 Yes
62	5	55.79685	7274.104	20849.26	2	0	1 Yes
32	5	51.79617	6496.633	5509.438	1	0	1 No

25	6	58.98579	7427.699	4842.996	2	0	1 Yes
74	6	62.76672	7245.862	24134.5	1	0	1 Yes
66	7	59.84736	6831.4	10932.51	0	0	0 Yes
19	5	62.33741	7202.295	3486.732	1	0	1 Yes
40	3	62.76687	7802.512	7383.107	2	0	0 Yes
30	4	48.38317	6645.313	10498.01	1	0	2 No
81	6	70.3233	7763.552	13454.46	1	1	1 Yes
48	4	56.53002	7683.84	17305.43	2	1	2 Yes
88	6	70.1942	7995.087	14761.92	1	0	1 Yes
41	4	71.47105	8877.404	7812.289	2	0	2 Yes
65	6	66.25373	7445.692	10976.2	0	0	1 Yes
67	5	37.27193	5054.494	11041.59	0	0	0 No
63	4	66.32549	8569.08	22078.57	2	1	2 Yes
49	5	53.24297	6957.146	9196.469	2	1	1 No
73	4	61.07781	7530.658	12427.75	2	0	1 Yes
63	5	61.85259	7995.366	12005.08	2	1	2 Yes
72	6	59.83632	6903.371	11782.92	1	0	0 Yes
38	5	63.71278	7439.646	6580.261	0	1	1 Yes
73	6	68.84864	8287.644	12516.83	2	0	1 Yes
33	5	69.148	8250.624	6145.083	2	0	1 Yes
32	3	58.97906	7173.748	6015.134	0	0	2 Yes
62	2	61.79518	7577.1	10658.08	2	0	1 Yes
57	5	50.16897	6892.24	10347.52	2	0	2 No
27	5	59.92106	6945.593	4719.879	1	0	1 Yes
44	4	64.00791	7598.996	7940.465	1	1	2 Yes
83	4	64.86106	7658.958	14184.37	1	0	2 Yes
21	5	41.74787	5361.562	3660.76	0	0	1 No
48	5	60.57841	6964.176	8181.158	0	0	1 Yes
32	5	61.53361	7608.378	11059.68	2	0	1 Yes
48	5	57.61407	7327.598	8526.293	2	0	1 Yes
57	6	68.11965	7569.795	9444.958	1	0	1 Yes
20	5	63.18815	7299.18	6979.325	1	1	1 Yes
78	5	63.09514	7904.613	13382.5	2	0	0 Yes
33	5	67.03809	7569.572	5737.702	0	1	0 Yes
63	5	53.57646	7543.76	11437.43	2	0	2 No
72	3	52.82287	7315.103	12673.95	2	0	2 No
82	6	60.35841	7654.101	14574.15	2	1	1 Yes
25	3	53.95205	6276.4	4457.008	1	0	1 No
64	4	43.32373	6233.751	11239.18	2	0	1 No
81	7	63.2905	7639.042	14349.88	2	1	0 Yes
36	5	53.21839	6723.77	6699.947	0	1	2 Yes
75	3	56.68038	6586.068	12448.49	1	0	1 Yes
30	6	57.17856	6687.928	5263.505	1	0	1 Yes
41	5	43.0681	5469.739	6825.625	1	0	0 No
64	3	53.85929	6682.295	11119.67	1	0	2 Yes
42	5	66.17615	7922.872	7449.736	2	0	1 Yes
80	5	48.81243	6718.734	27119.73	2	1	1 No

69	7	65.30551	7604.461	11577.36	0	0	1 Yes
39	7	63.4321	8065.662	13342.67	2	0	1 Yes
85	5	65.69499	7810.151	14461.08	0	0	2 Yes
20	4	60.33413	7469.723	4030.022	2	0	1 Yes
28	3	57.3907	7555.924	5872.101	2	0	2 Yes
50	5	58.59508	6841.115	16247.78	0	0	0 Yes
68	4	47.80777	6140.582	22326.55	0	0	1 No
56	4	69.57294	7710.913	9315.162	0	0	1 Yes
71	4	40.69931	5702.823	12849.77	2	1	0 No
38	6	46.37014	6437.867	13032.75	2	0	1 No
86	7	65.81252	7845.691	14410.49	2	0	0 Yes
80	5	62.21369	7245.769	26162.58	1	0	1 Yes
20	5	69.83311	8024.212	3552.879	0	0	0 Yes
44	6	43.35784	6319.183	14902.81	2	0	1 No
27	3	51.33946	6219.427	4587.558	1	0	0 No
37	6	66.04586	8079.062	6658.365	2	0	0 Yes
65	5	64.66736	7832.654	11185.42	2	0	0 Yes
42	5	69.33771	8209.581	14320.43	1	0	2 Yes
23	7	67.11582	8599.244	5065.417	2	0	2 Yes
41	5	71.23756	8243.737	13651.99	1	0	1 Yes
88	6	61.45482	7475.435	15011.99	2	0	0 Yes
32	4	61.31782	7632.043	5793.89	2	0	0 Yes
75	6	60.34388	7478.398	12902.84	2	0	1 Yes
47	6	51.0207	6243.947	7941.883	1	0	1 No
26	4	57.26145	7618.21	5379.577	2	0	2 Yes
71	5	59.54756	6967.469	22973.27	0	0	0 Yes
38	6	53.70565	6582.043	6517.056	0	0	1 No
87	4	61.81849	8173.352	29114.9	2	0	2 Yes
35	6	71.03377	8407.264	12287.54	1	0	2 Yes
21	6	54.81693	6994.474	4382.414	2	0	1 Yes
30	5	63.19194	7449.613	9900.847	0	0	0 Yes
78	6	56.6601	6792.142	12756.79	0	0	0 Yes
53	7	52.9958	7271.019	10403.09	2	1	2 Yes
89	5	69.06074	8266.414	14943.73	2	0	0 Yes
27	8	51.32061	6720.263	5232.281	2	0	1 No
82	5	44.68706	6281.881	27214.8	0	1	2 No
54	6	39.60099	5357.655	17672.68	1	0	0 No
20	4	53.95906	7323.053	4532.44	2	0	2 Yes
69	5	42.85852	6161.323	11936.38	2	0	1 No
78	5	68.1037	8018.644	13506.24	0	1	2 Yes
33	5	69.83478	8237.274	6087.991	2	0	0 Yes
45	5	46.97472	6193.39	8061.569	1	0	2 No
60	5	62.72855	7780.37	10419.05	0	0	2 Yes
88	7	63.68807	7404.218	28550.03	1	0	1 Yes
55	4	47.22943	6555.617	18453.2	2	0	1 No
47	5	70.18371	8231.034	16486.26	2	1	1 Yes
83	4	63.76015	7629.334	14194.44	1	0	2 Yes



85	1	53.77007	6980.126	28033.53	2	0	1 Yes
30	5	69.58508	7909.899	5223.538	0	0	0 Yes
18	4	65.07261	8450.614	4149.708	2	0	2 Yes
51	4	71.58134	8990.888	17630.44	2	0	2 Yes
30	4	70.30646	8269.657	5673.255	1	0	2 Yes
59	4	60.92504	7155.54	19447.48	0	0	1 Yes
43	5	50.08289	6728.843	14541.93	2	0	1 No
87	6	52.5155	6717.914	14816.31	1	0	2 No
24	5	67.69696	7487.775	4228.068	0	0	1 Yes
85	5	56.81029	7081.189	14433.58	0	0	2 No
29	5	49.85956	6697.348	10048.86	2	0	0 No
47	6	60.02387	7046.584	15677.61	1	1	1 Yes
38	4	59.64452	6828.944	6261.596	0	0	0 Yes
83	2	61.2875	7621.015	27481.93	0	0	2 Yes
38	6	62.37989	7986.767	7361.33	2	0	2 Yes
62	4	67.69672	8508.531	11700.64	2	1	2 Yes
62	7	65.74307	7971.631	10771.15	2	0	1 Yes
32	4	51.03155	6294.25	10654.44	0	0	0 No
62	5	62.09558	7161.342	10244.58	0	0	1 Yes
29	3	60.8102	7238.477	5227.699	1	1	1 Yes
73	3	59.5959	7223.485	23739.01	1	0	1 Yes
86	5	66.99709	7577.583	14286.83	0	0	1 Yes
32	5	71.39527	7932.182	5647.559	1	1	1 Yes
28	5	45.67429	6789.95	10154.63	2	0	2 No
59	4	56.05593	6603.359	9875.912	1	0	1 No
71	6	71.22599	8264.694	12005.05	2	0	0 Yes
41	6	58.89233	7339.247	7522.086	2	0	1 Yes
47	5	56.66022	6862.68	15574.88	1	1	1 Yes
64	4	52.69398	6851.581	11654.06	2	1	0 No
23	3	71.18938	8544.377	8146.543	2	0	1 Yes
76	5	65.29677	8047.386	25202.68	2	0	1 Yes
52	6	55.17041	6542.171	8724.339	0	0	1 Yes
89	7	49.81106	7008.641	15547.69	2	0	2 No
89	6	48.12334	6890.567	15516.9	2	0	2 No
50	5	66.41927	8016.636	8632.848	2	0	0 Yes
53	5	63.37578	7574.378	17935.66	1	0	2 Yes
48	5	70.39326	8720.635	8902.293	2	0	2 Yes
89	3	50.28298	6622.971	15583.57	2	1	0 No
22	7	57.73869	6774.196	7686.884	1	0	1 Yes
66	6	68.88951	7912.064	21535.07	0	0	1 Yes
83	4	62.94721	7278.695	13729.86	0	0	1 Yes
35	6	61.32692	7181.047	5985.277	1	0	0 Yes
39	4	61.35578	8066.914	13705.01	2	0	2 Yes
53	5	53.7177	7337.587	10347.77	2	1	2 Yes
67	4	68.86956	7913.924	21848.77	0	0	1 Yes
45	4	59.21644	7719.685	8546.967	2	0	2 Yes
52	5	68.29557	8622.35	17874.97	2	0	2 Yes

57	7	71.0826	8835.633	10432.82	2	0	2 Yes
20	4	54.44665	7046.996	3986.777	2	0	0 No
49	6	55.31256	6886.518	8707.671	1	0	2 Yes
64	4	70.55769	8755.061	12258.02	2	1	2 Yes
23	5	54.56631	6497.992	4197.415	1	0	1 No
68	4	68.99635	7854.69	22216.76	0	0	1 Yes
38	5	65.41471	7519.418	6390.639	0	0	1 Yes
37	5	47.72539	6084.9	12391.35	1	0	1 No
83	4	66.06697	7976.858	14197.87	2	0	1 Yes
44	5	63.96589	7728.085	7798.252	1	0	2 Yes
44	6	68.63718	8233.135	7842.849	2	0	1 Yes
61	7	67.53743	8315.028	20501.49	2	0	1 Yes
42	4	60.47316	6972.043	7467.541	1	0	1 Yes
62	5	62.65114	7613.832	20664.24	2	0	1 Yes
63	5	68.95854	7651.794	10370.11	0	1	0 Yes
80	6	63.07498	8009.411	14044.17	2	0	2 Yes
89	6	57.83757	6688.762	14665.84	0	0	1 Yes
82	4	61.1578	8085.523	14529.63	2	0	2 Yes
27	6	54.04543	6775.37	9086.045	0	0	1 No
19	5	59.66365	7729.894	4224.725	2	0	2 Yes
77	5	69.88547	7840.068	25082.17	0	0	1 Yes
70	5	69.64859	8608.62	12356.07	2	0	2 Yes
69	5	68.5157	8115.793	22871.85	0	0	2 Yes
53	6	49.38099	7078.762	9708.477	2	0	2 No
22	4	71.89805	8975.566	5359.686	2	1	2 Yes
63	5	59.22656	7454.429	21251.89	0	0	2 Yes
24	5	59.77359	8102.313	8955.875	2	0	2 Yes
80	5	47.12199	6460.024	13599.72	2	0	1 No
62	6	56.87852	7408.251	20778.51	2	0	0 Yes
60	4	63.55578	7135.26	10001.44	0	1	0 Yes
83	3	65.74325	7814.549	14741.79	2	1	1 Yes
62	3	64.81706	7383.433	10340.22	1	0	1 Yes
19	5	58.48914	7794.007	4382.24	2	0	2 Yes
67	6	55.57983	6652.988	11257.83	1	1	1 Yes
50	5	69.33953	7935.743	16566.45	0	1	1 Yes
87	2	60.08972	6951.312	28254	0	0	1 Yes
63	6	65.38567	7958.154	21128.36	2	0	1 Yes
32	3	66.12135	7491.272	5359.679	0	0	0 Yes
24	6	55.27831	7795.528	8996.728	2	0	2 Yes
59	6	49.99841	6724.248	20407.91	2	1	1 No
86	7	67.45199	8039.262	14594.16	0	0	2 Yes
76	7	59.45783	7885.191	13316.28	2	0	2 Yes
19	6	56.87265	7347.188	7738.032	2	1	1 Yes
45	3	70.70923	8327.711	8044.55	2	0	1 Yes
78	4	69.69185	7865.483	12847.95	1	0	1 Yes
59	5	68.93448	7598.018	9950.828	0	0	1 Yes
34	6	60.2872	7481.655	11851.01	0	0	2 Yes

62	4	54.8717	6676.685	10516.49	1	1	1 Yes
30	6	66.83258	7830.443	5516.053	0	0	2 Yes
36	5	52.84133	6279.38	6069.476	1	0	1 Yes
31	6	54.03099	6418.653	5518.077	0	1	1 No
88	5	52.96477	6991.411	28994.31	2	0	1 Yes
67	5	61.09151	7445.666	11556.62	2	0	1 Yes
86	4	61.81461	6980.322	14251.91	0	0	1 Yes
88	5	64.63306	8091.146	29743.71	2	1	1 Yes
67	3	47.92035	6888.098	12048.97	2	0	2 No
68	5	64.23475	7423.478	22074.06	0	0	0 Yes
28	6	68.64004	8743.665	10363.34	2	0	2 Yes
48	5	46.00218	6283.055	8452.263	2	0	0 No
18	7	70.37519	8583.924	6443.7	2	0	0 Yes
23	6	52.46968	7104.516	8106.576	2	0	0 No
19	5	61.52853	7069.204	6534.289	1	0	1 Yes
65	6	71.48271	8383.213	11946.96	2	1	1 Yes
70	4	50.45341	6462.904	12024.86	0	0	2 No
88	5	52.06369	7045.716	29045.81	2	0	1 No
42	5	61.65526	7844.868	14313.79	2	0	1 Yes
71	7	56.78956	7058.178	12236.68	1	0	2 Yes
23	6	46.30798	6346.659	8331.251	2	0	1 No
52	6	54.70107	7614.73	17926.47	2	0	2 Yes
82	6	56.13968	7233.224	13740.66	2	0	0 Yes
52	5	59.40809	6949.978	8751.845	0	0	1 Yes
26	5	67.04683	8063.677	5183.525	1	1	2 Yes
59	5	57.72321	7863.259	20178.37	2	0	2 Yes
23	4	66.16515	8088.836	4542.55	2	0	1 Yes
64	5	56.91797	7390.532	21299.17	2	0	0 Yes
34	5	58.71119	6726.034	5864.664	0	0	1 Yes
33	5	64.99667	7839.722	11373.23	0	0	2 Yes
39	4	50.52899	6227.764	6501.184	1	0	0 No
79	4	68.14476	8657.566	26693.39	2	0	2 Yes
82	4	68.91732	8169.517	13795.67	2	0	0 Yes
48	5	52.06507	7204.7	8915.64	2	0	2 No
85	4	59.67567	6963.06	14115.87	1	0	1 Yes
44	5	61.96825	7005.181	7542.112	1	0	1 Yes
54	4	53.36945	7300.208	10495	2	1	2 No
77	3	59.66277	6989.18	25121.15	0	1	1 Yes
32	3	55.01177	6532.425	5572.206	0	0	0 Yes
65	6	56.68337	6658.264	10729.61	0	0	1 No
65	6	53.89093	7094.483	11123.85	2	0	0 No
24	3	67.42582	7598.09	4332.126	1	1	1 Yes
26	3	61.43913	7935.954	5369.509	2	0	2 Yes
86	6	40.94756	6308.662	29547	2	1	2 No
75	6	64.12778	7680.769	12837.84	0	0	2 Yes
76	5	62.39024	7727.337	25302.13	2	0	1 Yes
37	6	63.83142	7385.292	6233.336	0	0	1 Yes

64	6	54.28836	7653.833	21831.17	2	0	2 Yes
61	6	68.74083	8341.681	21029.18	2	1	0 Yes
58	5	68.98583	8331.326	10101.32	2	0	1 Yes
18	5	71.88282	7941.073	3333.253	0	0	1 Yes
86	6	55.67154	7670.367	15134.62	2	0	2 Yes
26	4	62.52841	7854.862	9107.327	2	0	1 Yes
19	7	65.79437	7991.642	6733.176	2	0	0 Yes
23	5	67.98865	7652.151	4074.276	0	0	1 Yes
81	6	63.04761	8337.17	27131.76	2	0	2 Yes
51	4	49.47851	6116.162	16656.57	1	0	0 No
48	5	70.74332	9004.401	16717.38	2	0	2 Yes
54	4	47.91358	6364.309	9527.515	1	0	2 No
26	6	64.07475	7832.407	5540.445	2	1	1 Yes
61	6	56.60275	7470.801	20532.28	2	0	1 Yes
21	6	69.89524	8142.04	4074.102	0	0	2 Yes
87	6	40.41626	5579.027	28218.95	0	1	0 No
33	5	60.23157	7614.989	6309.074	2	0	1 Yes
34	4	70.40366	8307.993	6155.905	2	0	0 Yes
56	4	47.15684	6463.78	9780.157	2	0	1 No
28	7	54.48968	7090.894	9707.882	2	0	0 Yes
88	6	71.3243	8413.705	14927.03	0	1	2 Yes
66	5	65.30171	7976.741	22507.03	2	1	0 Yes
22	6	66.46267	7874.398	4299.683	2	0	1 Yes
68	6	65.83626	7410.516	11372.38	1	0	1 Yes
34	8	69.96343	8147.627	6333.018	1	0	2 Yes
27	5	54.39634	6885.709	5308.013	2	0	1 Yes
49	4	41.1873	6081.233	16469.91	0	0	2 No
47	4	60.57231	6972.521	7912.251	1	0	0 Yes
37	4	68.66305	8113.929	6667.627	1	0	2 Yes
69	4	58.86062	7093.813	22415.03	0	0	0 Yes
44	6	59.08825	7099.028	14527.21	0	0	1 Yes
42	4	66.05069	8433.272	8663.662	2	1	2 Yes
36	5	58.29763	6744.791	12113.57	0	1	1 Yes
39	5	47.45673	6995.837	7460.342	2	0	2 No
71	5	62.76464	7510.808	12182.32	2	0	1 Yes
65	5	46.23107	6408.139	11256.17	2	0	1 No
47	6	61.94418	8100.287	9291.927	2	1	2 Yes
47	2	64.98315	7911.49	16000.74	1	0	2 Yes
24	5	57.3702	7420.908	8638.166	2	0	1 Yes
89	5	70.19185	8265.172	14977.8	2	0	0 Yes
65	5	47.67051	6442.614	11269.36	0	0	2 No
34	4	67.42139	8097.78	6161.808	2	0	1 Yes
87	4	54.24063	7039.83	14836.76	1	0	2 Yes
52	6	58.32333	7201.738	9079.622	1	0	2 Yes
76	4	48.30854	6118.519	24663.65	0	0	0 No
58	4	69.30811	7692.708	9667.109	0	0	1 Yes
52	4	67.29862	7463.979	8778.362	0	1	0 Yes

36	6	42.78195	5886.964	12450.36	0	0	2 No
71	3	64.56382	7770.553	23625.6	2	0	1 Yes
60	7	48.0271	6264.097	10449.84	1	0	2 No
35	3	50.59549	6668.266	6469.524	2	0	1 No
30	5	52.69475	6904.604	10474.02	1	0	2 Yes
31	5	58.94736	7343.756	5768.591	2	0	1 Yes
67	4	56.78602	7186.874	11556.62	2	0	1 Yes
46	6	55.26394	6519.678	7710.55	1	0	0 No
69	5	55.62151	7364.129	23186.72	2	0	1 Yes
52	4	61.38534	7482.937	9165.339	2	0	1 Yes
74	4	47.96076	6164.483	12287.46	1	1	0 No
82	6	68.49873	8407.891	27113.91	2	0	1 Yes
70	5	54.08115	7031.143	12709.25	2	1	1 Yes
60	4	54.16394	7011.492	11123.34	2	1	1 Yes
31	5	71.50647	8288.615	5938.208	1	1	2 Yes
47	5	57.6624	7359.636	16646.74	2	1	1 Yes
83	6	57.02152	6726.344	27003.74	0	0	1 Yes
22	5	66.25197	8454.902	8438.491	2	0	2 Yes
45	5	66.54333	7683.672	7620.72	0	0	1 Yes
35	4	60.81722	7004.858	5899.163	0	0	0 Yes
73	4	55.40162	6832.429	23776.9	1	0	1 No
77	4	67.99143	7719.184	25027.16	0	0	1 Yes
58	6	43.27827	5909.298	10186.96	0	0	2 No
25	5	64.71922	8298.708	5212.207	2	0	2 Yes
40	3	41.02864	5529.219	6745.864	0	0	1 No
64	6	66.27399	8151.365	21356.26	2	0	1 Yes
27	7	61.93361	8114.328	10043.08	2	0	2 Yes
70	6	58.92884	7922.641	12438.36	2	0	2 Yes
89	5	38.35243	4998.201	14790.61	0	1	1 No
61	5	49.87777	6743.897	10682.37	1	0	2 No
81	5	60.62864	7550.979	13866.17	0	0	2 Yes
60	4	45.34552	6201.471	10543.83	1	1	2 No
84	6	65.97788	8026.405	27675.22	0	0	2 Yes
19	6	52.88219	6847.088	7033.428	0	0	2 No
53	3	49.28885	6605.068	17867.45	2	0	1 No
28	3	52.21751	6755.505	5446.397	1	1	2 No
70	4	67.43397	7965.354	12059.08	2	0	1 Yes
56	5	45.23201	6272.66	18889.81	2	0	1 No
54	3	62.70716	7138.601	9168.64	0	0	1 Yes
27	5	70.41157	7710.204	4608.275	1	0	0 Yes
75	5	61.14833	7610.212	12872.05	2	0	1 Yes
58	5	71.8902	8272.031	19559.32	0	1	2 Yes
39	4	70.16267	7896.185	6674.358	1	0	1 Yes
73	4	57.55456	7044.757	12455.1	1	0	2 Yes
35	6	66.06862	7900.446	6527.662	1	0	2 Yes
76	5	47.48003	5903.194	12538.32	0	0	0 No
48	5	68.01369	7761.835	15884.64	1	0	0 Yes

55	5	66.83651	7929.595	10248.8	2	1	1 Yes
27	5	66.49771	7304.365	4698.986	0	1	0 Yes
21	5	64.45781	7309.223	7089.247	1	0	1 Yes
45	7	52.57538	6600.853	14778.8	0	0	1 No
88	5	70.97383	8250.564	14925.39	1	0	2 Yes
72	5	64.23807	7764.07	12907.93	2	1	0 Yes
73	3	69.11834	8091.998	12540.82	2	0	1 Yes
29	5	53.85704	6456.142	9621.752	0	0	0 No
84	6	46.42688	5659.804	14047.64	0	0	1 No
69	4	46.55421	6161.556	22805.65	0	1	1 No
41	3	46.32978	5784.38	6856.41	0	0	0 No
84	5	55.76063	6585.909	13906.62	1	1	0 Yes
62	5	50.11337	7048.034	11204.94	2	0	2 No
58	5	42.57851	5516.48	19241.61	1	1	1 No
45	5	49.85164	6034.412	7704.329	1	1	1 No
76	3	64.55177	7862.649	12909.49	2	0	1 Yes
66	6	57.50058	7399.541	22066.34	2	0	0 Yes
46	5	51.34508	6938.524	15649.85	2	0	1 No
84	5	59.73554	7696.447	14320.95	1	0	2 Yes
70	4	51.31051	6804.866	23260.39	2	0	1 No
38	3	67.91334	8265.034	13949.41	2	1	1 Yes
19	6	50.43717	7068.787	4166.434	2	0	2 No
45	5	61.48554	7697.461	15305.36	2	0	1 Yes
36	6	61.84713	7581.356	6660.889	2	0	1 Yes
86	6	55.4933	6986.961	14515.3	2	0	1 Yes
25	6	69.42104	7763.926	4409.098	1	0	1 Yes
54	5	49.83863	7062.642	18761.77	2	0	2 No
74	7	60.81186	7530.906	12646.62	2	0	1 Yes
25	7	44.33916	5815.315	8486.642	1	0	1 No
46	3	62.94639	7585.381	8834.353	2	1	1 Yes
88	7	58.69262	6904.55	14434.51	1	0	0 Yes
54	3	64.13477	8356.627	18854.44	2	0	2 Yes
85	4	70.38254	8426.462	28174.1	2	0	1 Yes
72	6	59.85127	7563.914	23832.64	1	0	2 Yes
72	6	44.3357	6062.301	12325.85	1	0	2 No
70	6	63.47631	7913.744	23301.56	2	0	1 Yes
62	5	71.26428	7849.499	10146.33	1	0	0 Yes
82	6	71.85672	8481.415	14109.19	2	0	1 Yes
24	7	69.53492	8271.864	8361.989	2	0	0 Yes
61	6	69.17252	8670.348	11044.36	2	0	2 Yes
69	4	63.10475	7352.643	11471.39	1	0	1 Yes
81	6	62.49804	7721.548	26783.27	2	0	1 Yes
87	5	65.32426	7381.119	28210.52	0	0	0 Yes
18	6	53.24761	6484.673	6224.096	1	0	1 No
60	5	53.86212	7048.249	20001.19	2	0	0 Yes
49	4	37.15983	5325.441	16172.91	0	0	1 No
63	4	64.54438	7458.332	10586.91	0	0	1 Yes

71	5	69.30262	8046.516	12118.12	2	0	0 Yes
74	4	64.48325	7319.408	12265.55	0	1	1 Yes
55	6	44.91078	6898.65	18989.68	2	0	2 No
75	6	43.1469	6074.932	24796.7	0	0	2 No
20	5	68.2639	8175.657	3784.63	2	0	0 Yes
72	5	59.11037	7446.778	24205.65	0	0	2 Yes
30	5	52.55987	6403.472	5352.581	0	0	1 No
54	6	66.53957	8451.358	9869.059	2	0	2 Yes
70	4	66.29765	7434.668	11594.08	0	0	1 Yes
41	5	67.39986	8022.239	7187.618	2	0	0 Yes
33	7	39.57921	5400.446	5831.045	0	0	1 No
84	6	70.173	7857.565	13758.12	0	0	0 Yes
31	6	67.13913	8539.888	11241.84	2	0	2 Yes
44	6	53.2366	7045.321	15002.12	1	0	2 No
81	3	65.38914	7953.6	26828.06	1	0	2 Yes
57	6	65.93172	7987.372	10040.04	1	0	2 Yes
82	5	66.77404	8090.417	14615.27	2	1	1 Yes
35	6	63.2565	7279.473	5889.645	1	0	0 Yes
34	5	53.25582	6976.111	11748.27	0	0	2 No
25	3	57.49315	7411.226	8839.766	2	0	0 Yes
30	5	53.17639	6941.259	5683.637	1	0	2 No
70	4	64.65595	7880.029	12151.43	2	0	1 Yes
74	4	68.53571	8675.436	25064.57	2	0	2 Yes
79	5	54.75802	6548.753	25535.36	0	0	0 No
53	5	68.72085	7738.579	8752.598	1	0	0 Yes
48	4	37.98373	5649.507	8481.895	2	0	1 No
39	5	71.33165	7794.438	6636.784	0	0	1 Yes
87	4	68.51683	8507.948	29679.27	2	1	2 Yes
69	4	59.31378	6933.407	11414.25	0	0	0 Yes
37	4	71.15799	8528.542	12497.88	2	0	0 Yes
48	5	66.3433	8107.828	8342.471	2	0	0 Yes
68	4	70.36395	7887.15	22285.38	0	0	1 Yes
80	5	52.21473	7498.542	14095.4	2	0	2 No
75	4	60.6639	8069.903	25299.27	2	0	2 Yes
64	4	48.3923	5975.418	10675.54	1	0	1 No
46	4	57.0171	6857.545	15345.34	0	0	1 Yes
61	5	59.26935	7491.827	11305.84	2	1	0 Yes
70	4	68.88551	8172.529	23308.46	1	0	2 Yes
77	5	71.306	8412.206	13189.78	0	0	2 Yes
49	4	68.34533	8259.537	16596.48	2	0	1 Yes
58	7	65.27476	7910.081	19585.19	0	0	2 Yes
88	5	63.59079	7811.086	29705.82	2	1	1 Yes
33	6	61.79907	7290.717	5537.698	1	0	0 Yes
38	4	67.1144	7862.379	6896.335	1	0	2 Yes
66	4	50.77871	6720.919	11331.19	2	0	1 No
70	5	57.80823	7370.684	23066.5	2	0	0 Yes
88	3	47.74639	6275.407	15028.62	0	0	2 No

74	4	71.35435	8545.6	25035.06	2	1	0 Yes
62	6	47.71642	5840.67	10517.04	0	1	1 No
33	5	49.58253	6677.901	11281.68	2	0	0 No
54	6	68.94711	8483.239	18348.74	2	0	1 Yes
44	5	50.92119	6311.642	14384.51	0	0	0 No
24	4	65.7049	8357.434	5739.139	2	1	2 Yes
55	6	64.83928	7906.901	9841.706	1	0	2 Yes
43	4	71.96546	8593.803	14664.84	2	0	1 Yes
57	5	55.92717	6682.192	18618.65	1	0	1 Yes
61	6	68.42749	7780.901	10248.31	1	0	1 Yes
52	6	54.95681	7087.829	9271.04	2	0	1 Yes
79	5	66.09012	7458.494	26131.4	1	1	1 Yes
82	4	48.47948	6565.934	13822.94	2	0	0 No
76	3	59.80904	7447.769	12859.46	2	0	0 Yes
37	6	65.58288	7874.261	6708.4	2	0	1 Yes
19	6	53.13572	6603.415	6548.182	0	0	1 No
41	5	63.34319	7620.702	7508.32	1	0	2 Yes
87	5	69.19004	8563.109	29744.12	2	1	2 Yes
64	3	66.2783	7684.912	20821.6	0	1	0 Yes
63	3	71.36896	8337.028	11097.52	1	1	2 Yes
49	6	67.60462	7574.198	8273.38	1	0	1 Yes
88	7	58.34931	6749.025	28580.82	0	0	1 Yes
79	5	58.62011	6830.895	25746.69	1	0	1 Yes
67	6	41.04234	5996.923	22105.72	2	0	0 No
56	5	58.69325	7428.294	10057.22	2	0	1 Yes
37	4	68.88735	8745.142	13235.35	2	0	2 Yes
85	4	58.70058	6759.475	14014.33	1	0	0 Yes
72	5	63.75239	8178.141	24276.92	2	0	2 Yes
33	3	64.2417	7965.089	11728.95	2	0	1 Yes
81	5	69.05239	7711.159	26360.59	0	0	0 Yes
79	6	59.97797	7442.664	26074.47	0	0	2 Yes
73	4	71.15518	8430.896	24282.75	2	0	1 Yes
32	5	66.15486	8067.861	5909.166	0	0	2 Yes
75	5	52.27981	6910.723	24892.48	2	0	1 No
49	4	57.90885	7442.936	16617.19	2	0	1 Yes
29	4	63.48434	7973.623	10270.26	2	0	1 Yes
34	6	45.4713	6396.72	6257.441	2	0	1 No
71	4	65.27688	8348.796	12626.44	2	0	2 Yes
68	4	64.22552	8396.565	12199.21	2	0	2 Yes
74	5	45.16049	6398.363	25232.23	2	1	1 No
67	4	63.58822	8164.69	22761.17	2	0	2 Yes
43	7	64.85282	7409.303	7269.926	0	0	0 Yes
80	6	70.33943	8484.938	26500.89	2	0	1 Yes
39	3	68.11106	7826.241	13028.59	0	0	1 Yes
59	6	56.6464	7435.392	19857.54	0	0	2 Yes
79	5	44.43646	6206.506	26142.75	2	0	1 No
20	6	69.81095	8715.914	4419.369	2	0	2 Yes



59	5	46.00512	6626.267	10689.13	2	0	2 No
27	6	64.52189	8067.482	9550.727	2	0	1 Yes
40	4	52.31509	6924.983	13762.35	2	0	1 No
72	4	59.98365	6949.753	11935.2	0	1	0 Yes
57	4	39.3231	5333.043	9670.832	1	0	1 No
57	4	71.94732	8002.949	9652.019	0	1	1 Yes
62	4	41.36108	6001.902	20658.34	2	0	0 No
60	5	53.33519	6483.907	19746.53	1	1	0 No
41	7	65.31418	7852.244	7368.162	2	0	1 Yes
27	4	43.48578	5720.542	4781.762	0	0	1 No
66	5	69.31309	7595.632	10812.88	0	0	0 Yes
31	5	69.84481	8176.088	5612.592	2	0	0 Yes
57	5	70.39273	8374.953	19032	1	0	2 Yes
42	5	57.74025	7147.446	7658.833	1	0	2 Yes
38	5	55.87001	7730.72	7337.335	2	0	2 Yes
44	6	65.79504	7624.363	14322.94	0	0	0 Yes
43	6	68.27054	7682.895	7535.768	0	0	1 Yes
78	7	71.84867	8840.443	26007.51	2	0	1 Yes
78	5	70.87327	8029.613	12879.93	0	0	0 Yes
87	6	42.6043	6030.174	14666.7	2	0	0 No
38	7	67.07773	8223	13092.24	2	0	0 Yes
84	5	65.66667	8551.77	28215.68	2	0	2 Yes
29	5	59.62621	7078.53	5041.041	1	0	1 Yes
60	4	53.51472	7015.467	10521.79	1	0	2 No
31	5	64.22689	7289.559	5348.857	1	0	1 Yes
62	5	70.06224	8839.982	21734.31	2	1	2 Yes
28	6	40.89525	5718.878	5130.849	2	0	0 No
83	4	51.47812	6742.494	14102.08	0	0	2 No
77	6	65.12596	8356.6	14191.65	2	1	2 Yes
77	5	54.60826	6588.219	25054.66	1	0	1 No
34	6	67.64319	8408.381	11782.49	2	0	1 Yes
72	4	71.20811	8349.344	12380.24	2	0	1 Yes
86	5	50.10275	6670.79	29034.51	2	1	1 No
86	6	63.01711	7278.19	28030.46	0	1	1 Yes
47	4	61.59915	7100.457	15416.04	0	0	1 Yes
38	5	60.02988	7626.575	7113.777	1	1	2 Yes
76	6	67.2223	7561.205	25066.25	0	0	1 Yes
64	4	51.84476	7348.25	22439.68	2	1	2 No
26	4	69.96975	7866.214	4392.913	0	0	0 Yes
25	4	62.38946	7080.067	8455.857	0	0	1 Yes
81	6	65.89222	7727.926	13818.76	1	0	2 Yes
33	6	69.21784	8353.429	11376.51	1	0	2 Yes
71	7	60.94542	7568.058	23628.88	2	0	1 Yes
82	4	65.07201	7307.807	13572.56	1	0	1 Yes
46	7	50.72033	6599.127	8062.475	2	0	0 No
84	7	69.86053	7666.022	13965.36	1	0	1 Yes
61	6	63.29679	7634.719	10637.92	0	0	2 Yes

89	5	51.62424	6438.674	29041.66	0	0	1 No
56	4	47.3742	6748.389	10306.8	2	0	2 No
49	6	53.04603	6261.843	8254.299	0	1	1 No
55	6	64.57552	7394.972	18208.92	1	1	1 Yes
82	6	54.78534	6517.583	26619.28	1	0	0 No
51	5	38.71222	6237.083	18327.79	2	1	2 No
81	3	71.66464	8072.355	26613.09	1	0	1 Yes
86	6	56.31403	6799.937	27940.3	0	0	1 Yes
24	5	65.62855	7924	4668.916	0	0	2 Yes
68	5	60.09739	7031.023	11238.31	1	0	1 Yes
82	3	60.76065	7439.989	13931.12	0	0	2 Yes
72	5	64.93946	8163.084	12708.02	2	0	2 Yes
80	6	69.95414	8667.065	14040.89	2	0	2 Yes
46	4	44.27255	6114.455	8170.915	0	0	2 No
79	5	56.48821	7721.761	13890.38	2	0	2 Yes
52	5	57.55065	6811.047	8703.622	1	0	1 Yes
58	4	53.74059	6905.153	19472.12	0	0	2 No
45	5	64.54718	7411.437	14857.8	1	0	1 Yes
45	6	44.38962	6150.025	7881.444	2	0	0 No
23	5	57.31525	7211.451	4563	2	0	1 Yes
73	5	48.2197	6938.835	24662.03	2	0	2 No
34	5	55.03747	7496.562	6657.437	2	0	2 Yes
39	5	69.77547	8159.336	13595.86	0	0	2 Yes
20	4	58.85652	7369.722	4119.098	2	0	1 Yes
78	5	63.21951	7745.548	26592.28	2	1	1 Yes
67	4	69.20602	8101.09	11825.64	1	1	2 Yes
77	6	41.59739	5435.347	12745.66	1	0	1 No
53	5	58.82878	7526.257	17815.95	2	0	1 Yes
37	4	70.75021	8300.913	6678.814	2	0	0 Yes
42	6	65.41463	7962.435	14300.03	0	0	2 Yes
55	5	51.30031	6790.347	18391.47	1	0	2 No
23	6	62.71224	7653.668	5099.868	2	1	1 Yes
22	4	69.00263	7862.621	7443.572	1	0	1 Yes
38	5	48.50196	6675.409	13166.27	2	0	1 No
38	6	70.00706	8176.188	6781.604	2	0	0 Yes
72	6	60.99274	7608.833	12927.18	2	1	1 Yes
34	5	70.74404	8296.734	6333.018	0	0	2 Yes
24	6	52.06883	6254.626	4040.967	1	0	0 No
63	5	70.23576	8874.414	21449.34	2	0	2 Yes
61	5	68.03061	8629.426	20856.23	2	0	2 Yes
27	4	68.53287	7650.257	4525.989	0	0	0 Yes
53	6	67.74014	8052.246	17778.46	1	0	2 Yes
84	5	45.96773	6807.019	28205.62	2	0	2 No
42	3	45.40065	6511.131	14313.79	2	0	1 No
85	4	68.3305	8111.689	14246.63	2	0	0 Yes
32	5	59.08362	7415.507	10975.58	2	0	0 Yes
27	6	71.30776	8950.139	5625.723	2	0	2 Yes

47	5	60.84907	6998.624	7765.117	1	0	0 Yes
43	6	50.62731	6631.724	7699.24	1	0	2 No
71	4	67.31344	7760.885	23218.66	1	0	1 Yes
67	3	41.12981	5507.29	22040.35	1	0	1 No
70	4	44.36858	6296.423	11967.92	2	0	0 No
33	3	67.83747	8071.291	6117.577	2	0	1 Yes
83	5	71.3838	8874.492	27943.65	2	0	2 Yes
57	6	62.41612	7737.559	10679.49	2	1	1 Yes
31	5	44.26075	6737.234	11241.84	2	0	2 No
41	6	70.92522	8400.698	14068.84	1	0	2 Yes
53	4	41.6956	6404.326	9766.768	2	0	2 No
64	5	67.15351	8257.294	11256.62	2	0	1 Yes
77	5	69.52513	8423.535	26163.43	2	1	0 Yes
41	5	63.32372	7936.357	14106.34	2	0	1 Yes
79	6	65.46469	7950.691	13504.31	2	0	1 Yes
75	4	65.22593	7344.984	12335.42	1	0	1 Yes
75	4	66.39827	8307.18	13189.76	2	0	2 Yes
65	5	70.39354	8356.834	11288.16	2	0	0 Yes
89	4	63.44797	8367.165	15592.13	2	0	2 Yes
72	5	58.83378	7368.22	12655.51	0	1	2 Yes
73	6	67.79618	7496.873	12058.21	0	1	0 Yes
30	7	69.8372	8381.171	10381.66	0	0	2 Yes
45	5	70.22604	8447.409	15216.37	1	0	2 Yes
32	6	54.96388	6444.453	5377.117	0	0	0 Yes
71	5	53.38703	6914.43	24148.31	2	1	1 Yes
36	4	42.74676	5684.094	6022.72	1	0	0 No
61	5	66.88714	7923.801	10692.59	2	0	1 Yes
76	7	58.63923	7467.855	25457.54	0	1	2 Yes
36	5	36.83491	5214.313	6251.219	1	0	1 No
72	7	57.1366	6916.331	12223.4	0	0	1 Yes
83	5	67.15345	7574.872	13827.13	1	1	1 Yes
74	5	56.2427	7281.43	24691.93	0	0	2 Yes
76	5	64.65582	7430.802	12640.74	0	0	0 Yes
53	4	49.19091	6540.463	9442.349	0	0	2 No
63	3	42.73642	5687.485	20848.07	1	0	1 No
77	4	65.95254	8096.948	12968.54	2	0	0 Yes
36	5	64.4234	7826.221	6544.388	0	0	2 Yes
27	5	67.15728	7418.989	4718.237	1	1	1 Yes
47	6	39.12813	5399.705	15532.39	0	0	1 No
55	7	64.86027	8143.235	9569.274	2	0	0 Yes
82	5	47.00281	6831.249	28221.82	2	1	2 No
78	6	44.64601	6329.999	13402.02	2	0	1 No
55	4	62.46115	7959.115	9978.138	2	0	2 Yes
33	5	67.48357	8123.989	6583.693	2	1	0 Yes
38	5	53.93505	6334.688	6431.315	0	1	0 No
59	5	37.92071	5704.024	10889.04	2	1	0 No
65	5	55.61522	7424.609	11645.52	2	0	2 Yes

66	5	52.47398	6974.057	22326.57	1	1	2 No
54	6	57.00487	6671.368	9045.501	0	0	1 Yes
77	7	49.68516	6816.677	26066.6	2	1	1 No
37	5	64.08551	7379.387	12370.94	1	0	1 Yes
76	6	65.97751	7909.849	13023.76	2	0	0 Yes
62	5	60.22191	7116.429	10297.29	0	0	0 Yes
26	6	64.83382	7375.764	4468.143	0	0	0 Yes
52	5	53.12242	7331.709	17874.97	2	0	2 Yes
61	6	58.24963	7400.336	20369.17	2	0	0 Yes
74	5	55.44291	6664.552	24210.23	0	0	1 Yes
40	3	65.25705	7962.237	13905.93	2	0	1 Yes
65	4	55.80533	6564.039	10893.91	0	0	1 Yes
33	6	58.52492	7064.586	6083.361	0	0	2 Yes
32	6	65.52163	7890.381	6500.653	2	1	1 Yes
58	5	51.1169	6724.483	19413.83	1	0	2 No
79	5	54.22403	6443.512	13005.25	0	0	1 No
50	6	69.71925	7788.36	8596.623	1	1	1 Yes
53	6	48.56199	6406.754	9298.414	2	0	1 No
30	5	57.36903	6803.587	10228.26	1	0	1 Yes
37	3	53.46323	6969.669	7553.428	2	1	1 Yes
85	4	67.04193	8168.325	14954.36	2	1	0 Yes
40	4	63.62662	7899.851	7181.274	2	0	0 Yes
30	5	70.92135	8446.567	6201.407	2	1	0 Yes
74	4	54.61422	7108.231	12698.12	2	0	1 Yes
69	5	48.70503	6199.939	22498.69	1	1	0 No
30	5	57.2412	7053.391	5608.407	0	0	2 Yes
24	5	57.61899	7433.35	8641.444	2	0	1 Yes
87	5	60.29512	7626.191	29515.49	2	1	1 Yes
49	5	50.60395	6848.609	16576.07	2	0	1 No
74	6	59.81392	7743.108	13142.25	2	0	2 Yes
47	5	65.25858	7315.156	15283.72	1	0	0 Yes
51	5	61.18385	7714.535	17258.91	2	0	0 Yes
32	6	68.66004	7636.112	5635.855	0	0	1 Yes
81	5	49.95284	6278.782	26577.72	1	1	0 No
49	5	53.04845	6373.621	8427.303	0	0	1 No
71	3	69.47498	7608.897	11723.88	1	0	1 Yes
48	4	70.88186	8381.323	8553.799	2	0	1 Yes
75	5	69.11943	8850.205	25426	2	0	2 Yes
63	4	64.48368	7791.65	10818.51	1	0	2 Yes
18	6	71.55562	8024.943	3469.739	1	0	1 Yes
49	5	56.93616	7925.777	17615.36	2	1	2 Yes
45	6	57.79298	7309.817	8044.55	2	0	1 Yes
84	8	51.92506	6416.457	13944.95	1	0	1 No
53	4	64.07456	8324.583	10324.09	2	1	2 Yes
59	4	70.24319	8254.53	10309.7	1	0	2 Yes
47	4	53.81557	6922.367	8881.864	2	1	1 No
48	6	54.05056	6501.249	7970.642	1	0	0 No

31	4	65.63721	8033.322	5895.719	1	0	2 Yes
88	5	41.69169	6015.978	14959.61	2	0	1 No
25	5	69.66728	8409.717	9051.98	2	0	0 Yes
77	4	69.73292	9065.054	25973.86	2	0	2 Yes
71	5	69.17601	7936.508	23278.59	1	1	1 Yes
49	5	60.81614	7583.453	8738.109	2	0	1 Yes
50	6	47.7459	6051.465	16373.55	1	0	1 No
39	6	56.66569	7011.073	7293.277	2	0	1 Yes
59	6	63.18165	7958.471	11328.69	2	1	2 Yes
69	5	39.40084	5450.83	11580.19	0	1	0 No
47	5	50.71364	6182.312	7952.218	0	0	1 No
50	5	66.43922	7931.713	8727.675	0	0	2 Yes
18	6	46.40058	6414.827	6545.236	2	0	1 No
87	7	43.83375	6264.187	28797.19	2	0	1 No
68	6	63.80315	7946.597	22664.66	0	0	2 Yes
69	2	58.5345	7310.226	22957.42	1	0	2 Yes
49	6	68.39071	8131.085	16500.69	1	0	2 Yes
27	4	58.10618	7802.076	10682.68	2	1	2 Yes
18	6	66.96064	7500.362	3295.366	0	0	1 Yes
74	5	63.39675	7906.767	24479.87	2	0	1 Yes
70	6	64.06741	8031.183	23411.2	0	0	2 Yes
78	6	69.02155	7802.622	25378.2	1	0	1 Yes
20	5	70.49071	7937.686	3664.484	0	0	1 Yes
62	4	68.11621	7581.808	10372.64	1	1	1 Yes
48	4	39.55289	6073.772	16967.32	2	1	1 No
50	4	45.69505	6411.116	8792.523	0	0	2 No
41	5	63.83032	7887.138	7415.416	1	0	2 Yes
51	5	49.87601	6262.477	16636.72	1	0	0 No
72	5	45.8663	6186.91	23580.09	1	0	1 No
71	5	66.22053	8485.735	24038.94	2	0	2 Yes
81	4	52.72352	6553.311	26206.67	0	0	0 No
25	5	48.64436	6559.53	8906.773	1	0	2 No
29	5	65.14674	7666.844	5358.751	0	0	2 Yes
39	4	68.51511	8335.519	7030.761	2	0	0 Yes
44	5	59.33978	7289.862	8298.584	2	1	0 Yes
64	5	61.86307	7157.881	10722.51	1	1	0 Yes
49	6	48.95321	6169.697	8394.876	0	1	1 No
50	5	47.3959	6337.641	8807.488	2	0	0 No
23	6	44.60108	6201.054	4629.831	1	1	2 No
34	4	71.74341	8246.509	6308.942	2	0	1 Yes
43	4	57.66457	7523.657	15249.66	2	1	1 Yes
76	6	49.3973	6688.189	25913.92	2	1	1 No
67	5	45.68815	5932.528	22134.34	0	1	1 No
64	5	61.38864	7179.588	10590.94	1	0	0 Yes
67	5	59.18968	6885.665	11163.84	1	0	1 Yes
25	4	59.09594	7736.02	9310.2	2	0	2 Yes
65	7	38.55354	5366.72	21449.37	0	1	1 No

29	4	63.41646	7845.127	10227.34	0	1	2 Yes
47	3	44.47148	6682.549	16961.18	2	1	2 No
34	7	66.6588	7644.139	11411.48	1	1	1 Yes
35	7	61.23994	7592.191	11970.43	2	0	0 Yes
71	5	71.44701	8887.773	12811.15	2	0	2 Yes
51	5	50.77786	6182.255	8349.15	0	0	0 No
47	6	51.85494	6968.03	15829.54	2	0	1 No
43	6	53.76748	7542.629	15084.97	2	0	2 Yes
52	7	60.20653	7373.153	9137.833	2	0	1 Yes
18	6	67.45111	7514.115	3288.809	1	0	1 Yes
28	4	61.59276	7703.797	5656.975	0	0	2 Yes
38	5	69.00255	8322.754	6829.327	2	0	0 Yes
45	5	51.73008	6807.229	8102.688	0	0	2 No
39	5	42.56634	6040.077	13517	2	0	1 No
76	5	68.28664	7814.356	24973.89	1	0	1 Yes
85	4	66.04305	7578.779	14115.87	0	0	1 Yes
29	5	71.4366	8281.951	5454.536	2	0	1 Yes
83	4	69.49299	8121.795	14146.63	2	0	1 Yes
79	6	70.32542	8348	13422.02	2	0	1 Yes
49	7	50.1908	6501.967	8628.663	0	0	2 No
34	5	49.28612	6092.522	11255.92	1	0	1 No
86	7	54.49123	6794.655	14602.58	0	1	2 No
39	3	68.55426	7671.312	12848.05	0	0	0 Yes
47	5	56.19254	7165.456	8497.438	0	1	2 Yes
40	5	66.86046	7932.525	7201.677	2	0	0 Yes
52	5	65.16048	7861.689	9552.448	2	1	0 Yes
59	4	55.81708	6575.011	9900.793	0	0	0 No
81	6	62.95556	8266.521	27439.61	2	0	2 Yes
75	5	52.68187	6646.4	12858.55	0	0	2 No
35	5	65.2066	7318.835	5973.743	1	0	1 Yes
19	3	41.22337	5917.766	7468.912	2	1	0 No
66	5	63.44195	7810.26	21898.53	2	0	0 Yes
32	5	67.02402	8393.568	6360.502	2	0	2 Yes
36	4	70.60549	8351.708	12300.76	2	0	0 Yes
47	5	63.04795	7154.231	8073.714	1	1	1 Yes
52	4	52.35237	6958.954	9245.563	1	1	2 Yes
50	3	37.38498	5291.247	8363.209	0	0	0 No
22	3	64.2376	7364.031	7412.787	0	0	1 Yes
48	3	61.98922	7559.595	16293.65	2	0	1 Yes
23	6	63.12611	7798.477	8259.614	2	0	1 Yes
81	7	57.45866	6770.559	13429.15	0	0	1 Yes
66	5	47.91548	5856.98	10825.99	1	0	0 No
28	4	71.30643	8009.148	4784.828	0	0	1 Yes
22	3	51.88339	6858.939	4867.336	2	1	1 No
36	5	52.20501	6372.068	6069.476	1	0	1 No
43	6	53.48198	7030.374	7706.343	1	0	2 No
35	5	47.72748	6434.206	6549.748	0	1	2 No

29	5	51.78222	6803.625	5480.247	1	1	2 No
85	3	43.42144	6025.477	28203.09	0	1	2 No
24	4	47.38308	5850.477	8221.393	1	0	1 No
33	3	55.69074	7196.439	6845.942	2	1	1 Yes
73	5	66.59269	7670.934	23860.38	0	0	0 Yes
61	4	53.88828	7440.947	21493.06	2	1	2 Yes
89	5	57.42098	7598.777	29803.64	2	0	2 Yes
73	4	61.65303	6982.605	12165.21	0	0	1 Yes
35	5	61.72982	7060.849	6076.479	0	0	1 Yes
23	4	61.17067	7790.577	8170.618	0	0	2 Yes
36	5	64.9354	7394.031	6165.109	1	0	1 Yes
35	3	41.034	5289.874	5912.174	1	0	1 No
72	5	71.47092	8851.927	12845.32	2	0	2 Yes
71	5	61.018	7401.395	12274.52	0	0	2 Yes
19	5	42.80415	6046.549	3817.94	2	0	1 No
18	5	71.16706	7912.582	3295.366	0	0	1 Yes
45	6	45.03962	5898.175	14901.94	1	0	1 No
41	4	55.44933	7479.473	7774.947	2	0	2 Yes
86	5	60.13485	7502.163	15357.05	2	1	1 Yes
67	6	59.11605	7429.596	11543.27	2	0	1 Yes
74	5	55.67756	7072.423	12769.92	0	0	2 Yes
54	4	67.3448	8723.582	18597.78	2	0	2 Yes
26	5	52.705	6834.178	4979.743	1	0	2 No
20	6	69.85947	8872.3	7873.198	2	0	2 Yes
36	5	71.22911	9022.166	13120.52	2	0	2 Yes
55	5	44.59905	6058.414	9688.096	0	0	2 No
59	5	68.87624	8623.512	20086.01	2	0	2 Yes
41	4	48.02281	6450.049	7453.46	2	0	1 No
39	4	57.78921	7417.451	13553.09	1	1	2 Yes
47	5	36.5913	4998.724	7768.395	0	0	0 No
82	5	64.88418	8327.748	14495.57	2	0	2 Yes
72	4	54.74272	6914.091	12359.52	2	0	1 Yes
35	6	57.86641	7328.36	12130.1	1	0	2 Yes
65	5	54.67501	7002.533	11136.54	2	0	1 No
84	5	69.87036	8298.443	14369.67	2	0	0 Yes
39	5	70.30962	8842.887	8086.286	2	1	2 Yes
67	6	42.94109	5772.712	22091.54	0	0	1 No
67	4	56.27395	7576.744	22853.53	2	0	2 Yes
48	6	71.9293	8369.746	8569.175	0	1	2 Yes
79	4	59.41346	7428.432	13452.81	2	0	1 Yes
50	4	70.29765	7781.665	8320.89	1	0	1 Yes
46	4	68.09238	8165.998	8861.859	2	1	1 Yes
63	6	56.74972	7737.596	11994.74	2	1	2 Yes
30	5	70.55849	8440.941	5421.226	2	0	0 Yes
51	4	52.26251	6772.388	9045.772	1	0	2 No
24	5	68.41574	8019.844	4583.351	1	0	2 Yes
85	3	60.00227	7071.54	14081.81	1	0	1 Yes

63	5	52.98624	6552.798	20748.93	0	0	1 No
47	5	50.32288	6895.66	15861.52	2	0	0 No
21	4	67.67064	7729.572	7042.491	1	0	0 Yes
81	5	66.00925	7931.236	13791.41	2	0	1 Yes
80	4	61.91404	7292.199	25980.4	1	1	0 Yes
88	5	70.56238	8622.724	14868.45	2	0	0 Yes
54	6	66.26534	7483.762	17785.92	1	1	1 Yes
88	4	49.14207	6673.349	29233.88	1	0	2 No
34	5	71.82435	8812.363	6684.943	2	0	2 Yes
39	4	57.79818	6869.808	13001.08	1	0	1 Yes
64	6	48.17402	6469.855	11684.85	2	1	0 No
67	4	55.85423	7196.639	11464.26	2	0	1 No
80	4	51.33561	6708.778	13709.41	1	0	2 No
85	6	67.01445	8125.022	28091.82	2	0	1 Yes
73	6	70.16172	8409.337	24159.61	2	0	1 Yes
78	5	68.84092	8580.245	13733.07	2	0	2 Yes
33	7	58.03416	7527.506	11544.25	2	0	1 Yes
24	4	54.97999	7156.534	8586.115	2	0	1 Yes
28	4	69.14786	8028.996	5225.676	0	0	2 Yes
41	5	70.81991	7992.739	13569.7	0	0	1 Yes
50	6	62.81658	7063.322	8301.64	1	0	0 Yes
89	4	61.34647	7356.358	14990.34	1	0	2 Yes
75	4	48.65162	6652.47	12901.04	0	1	2 No
70	5	70.30907	8407.309	11976.79	2	0	1 Yes
30	4	70.7457	7986.657	10006.86	1	0	0 Yes
85	6	64.74357	7356.099	13942.43	0	0	0 Yes
28	5	66.41062	7514.006	4961.104	1	1	1 Yes
67	3	61.13909	7105.076	11227.05	1	1	1 Yes
34	7	71.36952	8474.892	12411.71	2	1	1 Yes
59	4	67.51662	8170.564	20414.96	2	1	1 Yes
65	5	51.57995	6668.434	21707.16	1	0	2 No
37	5	53.47189	6990.524	6828.573	2	0	1 No
77	4	49.04906	7059.496	25912.29	2	0	2 No
82	4	65.52316	7553.613	26741.54	1	0	1 Yes
23	7	63.5467	7343.176	4018.82	1	1	0 Yes
67	3	65.01006	7595.964	11573.9	1	0	2 Yes
64	5	62.80021	7486.04	21096.69	1	0	1 Yes
65	7	66.89668	8116.273	21625.02	2	0	1 Yes
55	6	58.69278	7361.923	18422.26	1	0	2 Yes
85	6	70.45585	8355.261	15097.02	2	1	1 Yes
20	6	43.89686	6208.035	3947.736	2	0	1 No
55	6	39.78811	5285.031	9135.876	0	0	0 No
76	4	64.95844	7784.553	13029.35	2	0	1 Yes
31	3	41.38796	6014.557	5865.087	2	0	1 No
81	4	57.22276	7368.454	13883.76	2	0	1 Yes
66	6	58.2295	7439.574	11303.68	2	0	1 Yes
32	7	58.53927	7382.336	6644.509	2	1	1 Yes



46	6	59.24167	7647.104	15570.84	2	0	1 Yes
28	5	65.29631	7791.422	9826.705	0	0	2 Yes
52	3	62.17857	7010.144	8766.827	0	1	1 Yes
49	5	59.03583	7339.033	16644.55	1	0	2 Yes
54	7	56.57388	7614.514	18563.71	2	0	2 Yes
61	6	51.99792	6783.178	10531.56	2	0	1 No
64	7	61.81614	7201.378	10621.73	0	0	0 Yes
73	6	66.85439	7333.59	12019.23	0	0	0 Yes
22	5	39.91557	6296.053	8438.491	2	0	2 No
73	5	51.35775	6905.253	24232.71	2	0	0 No
25	5	63.87808	8026.1	8787.065	2	0	1 Yes
33	5	57.17279	7174.726	6100.532	1	0	2 Yes
49	3	65.72986	7974.769	8544.218	2	0	0 Yes
50	5	67.39808	8603.354	9175.233	2	0	2 Yes
62	3	59.54819	7420.164	20709.84	2	0	0 Yes
77	5	70.55985	8423.172	25656.46	2	0	1 Yes
28	5	65.21044	7684.334	5228.954	0	0	2 Yes
29	4	65.8075	7986.656	5475.252	2	0	1 Yes
53	5	66.73239	8263.16	17857.12	2	0	1 Yes
22	6	61.42846	7610.283	8284.934	0	0	2 Yes
58	4	65.14949	7326.426	9728.678	0	0	1 Yes
56	8	43.74053	6613.616	19853.36	2	1	2 No
78	4	67.22271	7996.354	14133.66	2	1	1 Yes
33	5	66.92823	7752.788	11089.9	1	0	1 Yes
34	5	49.50667	6099.682	11451.01	0	0	1 No
38	5	65.95644	7623.425	12711.61	1	0	1 Yes
43	5	54.65527	6454.282	7266.648	0	0	0 Yes
25	6	59.96686	7520.381	4697.328	2	0	0 Yes
51	4	62.83773	7288.058	16564.77	1	0	0 Yes
83	6	55.14557	6947.099	14156.7	2	0	1 No
43	5	51.88386	6969.956	14782.9	0	1	2 No
49	6	71.42147	8300.437	8695.148	1	1	2 Yes
48	5	68.93225	8342.001	8444.007	2	0	1 Yes
80	5	57.4869	6566.038	13036.79	0	0	0 Yes
70	5	68.33136	8390.024	23063.22	2	0	0 Yes
50	5	58.90598	7288.628	9452.682	2	1	1 Yes
31	6	52.73254	6580.78	10262.27	1	0	0 No
26	5	54.94823	7128.399	9736.549	2	1	1 Yes
54	6	64.35923	8385.929	18690.13	2	0	2 Yes
89	3	52.52805	7307.437	15561.35	2	0	2 Yes
86	5	50.08277	6166.194	14450.82	1	0	1 No
29	6	47.16245	5880.424	5114.628	1	1	1 No
77	4	53.13208	6535.046	12769.65	1	0	1 No
31	5	63.47542	7825.753	10701.92	0	0	2 Yes
49	5	52.49217	6583.124	16491.14	0	0	1 No
62	5	50.55079	6390.642	20497.34	0	0	1 No
65	4	45.98447	5904.164	10886.37	1	1	0 No

73	6	57.32738	7225.939	24310.41	0	0	2 Yes
31	5	53.82249	6837.788	5683.344	2	0	1 Yes
24	5	62.48043	7708.451	4741.019	2	0	1 Yes
40	5	62.37021	7821.753	13676.78	2	0	1 Yes
89	7	69.66809	8248.021	29338.65	0	0	2 Yes
35	6	51.77828	6911.434	6425.125	2	0	1 No
37	6	57.32577	6976.827	12298.99	1	0	1 Yes
45	5	68.35396	8228.262	15303.28	2	0	0 Yes
40	5	59.60055	7863.481	14090.12	2	0	2 Yes
26	6	71.58682	8360.471	5051.648	1	0	2 Yes
87	7	66.65833	8083.128	28780.41	0	0	2 Yes
52	7	58.83846	6676.782	8755.123	1	0	1 Yes
25	5	50.33129	6171.935	4297.18	0	0	0 No
67	5	56.33128	7630.435	12151.7	2	0	2 Yes
62	5	71.46247	8052.363	20616.21	1	1	0 Yes
36	5	52.00942	6715.663	6436.214	2	0	0 No
26	5	51.40461	6179.992	8962.463	0	1	1 No
62	7	42.07882	5969.083	10781.07	1	0	2 No
46	4	70.25456	8867.111	16664.91	2	1	2 Yes
25	6	64.6464	7224.623	4482.639	1	1	1 Yes
50	6	59.06284	7207.491	8765.169	2	0	1 Yes
33	5	45.77809	6789.611	11841.51	2	0	2 No
74	7	70.31422	8380.492	12670.62	2	0	1 Yes
20	6	63.52614	7874.929	3911.593	2	0	0 Yes
32	4	69.43675	8628.098	6284.773	2	0	2 Yes
29	4	66.64343	7511.769	5020.638	0	0	1 Yes
33	5	71.98149	8497.858	5902.969	2	0	0 Yes
47	5	63.49378	7306.337	15478.81	1	0	0 Yes
43	6	67.7472	8599.457	15102.41	2	0	2 Yes
24	5	56.993	7172.776	4805.867	2	0	1 Yes
43	5	47.04407	6420.168	14481.02	2	0	0 No
89	5	60.70286	7341.87	14864.73	2	0	0 Yes
53	5	51.22788	6819.851	9152.479	2	0	0 No
85	4	61.282	8046.773	29072.81	2	1	2 Yes
45	6	47.78993	6522.629	8072.056	2	0	1 No
77	5	65.58976	7447.647	12860.36	1	1	1 Yes
69	6	56.30797	7154.667	23538.57	2	1	1 Yes
19	4	67.01555	7587.481	3467.651	1	1	1 Yes
77	5	64.18266	8281.636	14270.39	2	1	2 Yes
47	5	70.75243	8224.991	9271.996	2	1	1 Yes
48	5	65.37852	7576.133	8109.52	1	0	1 Yes
57	6	51.56919	6772.975	9947.376	1	0	2 No
86	5	57.56199	7652.58	15800.87	2	1	2 Yes
63	4	50.62235	7061.921	11232	2	0	2 No
71	4	49.73953	7003.748	12629.72	2	0	2 No
18	3	62.70606	7602.644	3869.734	1	0	2 Yes
87	5	48.1754	6376.917	14867.54	1	0	2 No

42	6	44.56338	5849.21	13889.96	1	0	1 No
56	5	64.60224	7814.604	9756.01	1	0	2 Yes
65	4	66.71917	7442.772	10852.75	1	0	1 Yes
89	4	61.0253	7513.415	29424.21	0	0	2 Yes
27	5	55.59183	6582.02	4709.811	0	0	1 Yes
36	5	71.74134	8213.065	12308.66	0	1	1 Yes
34	3	60.62025	7410.305	6319.324	2	0	1 Yes
34	4	64.61176	7647.669	11365.71	1	0	1 Yes
43	6	67.99308	8592.427	8191.742	2	0	2 Yes
71	4	70.34508	8703.493	12657.23	2	0	2 Yes
47	4	65.6145	7547.885	7985.838	0	1	0 Yes
86	3	55.69274	7091.701	15163.16	2	1	0 Yes
31	6	67.85574	8186.98	10914.06	2	0	1 Yes
83	5	67.21558	8059.782	27536.86	2	0	1 Yes
29	5	54.51721	7180.623	10407.06	2	0	1 Yes
49	4	52.9657	6703.066	8683.443	0	0	2 No
74	4	56.9882	7709.044	24886.65	2	0	2 Yes
66	6	68.33414	8127.511	11399.86	2	0	1 Yes
85	5	59.7012	7724.681	28018.1	2	0	0 Yes
31	5	70.75647	8502.843	5612.592	2	0	0 Yes
26	6	55.11777	7081.709	9054.013	2	0	0 Yes
56	4	59.43156	7548.47	9565.55	2	0	0 Yes
66	3	42.20302	5862.989	11495.34	0	0	2 No
34	5	48.76269	6692.901	11768.72	1	0	2 No
83	6	69.49607	8723.969	27926.52	2	0	2 Yes
83	6	49.79055	6261.248	13794.71	0	0	1 No
59	4	59.10958	7996.163	10702.75	2	0	2 Yes
71	7	48.9731	6709.859	24322.95	2	1	1 No
39	5	36.70276	6228.43	14624.41	2	1	2 No
38	5	67.30569	8090.207	7089.782	1	1	2 Yes
54	4	59.88332	7114.436	17743.43	0	0	1 Yes
64	5	58.77131	7035.659	20976.83	0	0	1 Yes
46	6	68.74026	8707.781	8570.796	2	0	2 Yes
72	7	58.09831	7739.423	24369.27	2	0	2 Yes
21	5	63.65164	7405.386	7277.548	1	0	1 Yes
65	3	64.27894	7796.204	11239.28	2	0	1 Yes
34	5	47.57665	6679.485	11851.16	2	0	1 No
48	4	69.65658	7724.513	8215.534	0	0	1 Yes
49	5	66.13201	7690.516	16086.8	1	0	1 Yes
56	6	49.35285	6531.692	9776.726	1	0	2 No
84	5	70.99828	8338.682	14221.5	0	0	2 Yes
76	5	65.63885	7365.622	12554.29	1	0	1 Yes
79	5	60.24134	6852.312	13154.02	0	1	1 Yes
79	6	70.19101	8811.067	26604.31	2	0	2 Yes
75	4	63.11048	8150.109	25206.92	2	0	2 Yes
77	6	38.74576	5730.279	26172.61	2	1	1 No
38	6	53.44484	6366.472	6467.021	1	0	0 No

74	5	59.46189	7559.346	24719.9	2	0	1 Yes
60	3	44.77059	6082.412	10429.12	0	0	2 No
47	5	71.61045	8940.569	17056.81	2	1	2 Yes
77	5	58.97856	7929.968	13582.87	2	0	2 Yes
26	7	53.66855	6801.548	5125.234	1	1	2 Yes
69	5	49.43245	5906.074	11527.49	1	1	1 No
74	4	53.8948	6859.236	12527.96	2	0	0 Yes
65	6	62.04903	8026.985	11686.68	2	0	2 Yes
64	6	66.86604	7868.3	11071.44	1	0	2 Yes
28	5	61.19562	7663.762	9895.529	2	0	1 Yes
76	7	49.52939	5974.598	12670.64	1	0	1 No
18	5	61.0766	7592.079	3695.094	1	0	2 Yes
75	5	40.95036	5795.344	12810.48	2	0	1 No
66	7	64.66473	8033.223	11437.2	2	0	1 Yes
44	5	65.98389	7441.399	7221.254	0	0	0 Yes
66	4	53.13945	6341.449	10980.9	0	1	1 No
77	7	62.89929	8167.177	13787.98	2	0	2 Yes
63	5	42.12068	6498.032	12076.72	2	1	2 No
37	4	60.02244	7021.002	12370.94	1	0	1 Yes
68	6	67.20471	7800.908	22247.54	0	0	1 Yes
25	5	58.97504	6908.971	4522.169	0	0	1 Yes
20	6	68.28666	8549.67	7595.822	2	0	2 Yes
53	5	51.50218	6274.101	17208.57	1	0	0 No
63	4	58.87972	7771.921	11293.57	2	0	2 Yes
68	4	54.10008	6931.799	11775.65	0	0	2 No
86	5	40.86866	5276.326	14286.52	1	0	1 No
79	5	49.17403	6783.034	26105.25	0	0	2 No
49	6	69.62565	8785.876	9076.221	2	0	2 Yes
69	4	57.0147	7200.988	12056.24	2	0	1 Yes
40	6	54.08951	7133.308	13905.93	2	0	1 Yes
42	6	71.96342	7993.357	7282.833	1	0	1 Yes
82	4	48.41668	7007.68	27729.09	2	0	2 No
33	6	68.65172	8164.443	6001.227	2	0	1 Yes
64	8	51.17868	6734.384	21958.21	2	1	1 No
52	4	66.88979	8118.234	17605.48	2	0	1 Yes
35	5	59.91171	7483.421	6985.675	2	1	1 Yes
32	4	65.57702	7921.353	6049.35	2	0	1 Yes
83	6	59.31237	7426.374	28166.08	2	1	1 Yes
72	5	59.10477	7458.133	23861.26	2	0	0 Yes
55	5	61.69394	7477.919	9533.859	1	0	2 Yes
61	5	55.9035	7619.265	20870.39	2	0	2 Yes
52	3	64.1256	7282.002	17172.91	1	1	1 Yes
27	6	52.85037	7084.424	5284.332	2	0	1 No
18	4	52.59344	6837.751	3617.705	2	0	0 No
34	4	61.2798	7586.612	12473.28	2	1	1 Yes
49	4	70.35949	8006.303	8171.843	0	0	0 Yes
56	5	51.96884	6371.05	18442.25	0	0	1 No

86	4	59.63405	7526.967	28372.43	2	0	0 Yes
58	5	66.23549	7654.227	9663.83	0	0	1 Yes
77	6	51.07181	6889.925	13870.66	2	1	1 No
34	5	71.29811	8768.343	6684.943	2	0	2 Yes
47	6	69.40776	8368.991	16125.52	1	1	2 Yes
89	6	46.87726	6647.185	29237.26	2	0	0 No
69	5	52.10363	7388.707	23288.63	2	0	2 No
48	5	70.5195	8816.868	17253.93	2	1	2 Yes
65	5	66.5573	8138.857	21762.17	0	0	2 Yes
63	6	66.24002	7418.134	10572.75	1	0	1 Yes
47	4	63.47891	7569.334	8322.466	2	0	0 Yes
58	7	49.45939	6061.952	9749.395	1	0	1 No
85	4	70.66729	8428.723	27993.56	2	0	0 Yes
23	5	57.90298	7363.541	4398.695	2	0	1 Yes
25	5	49.08258	6557.795	9081.413	1	0	2 No
34	4	43.3307	6050.065	6490.372	2	0	1 No
38	4	69.31363	7714.231	6390.639	0	0	1 Yes
49	6	71.62951	8210.299	8714.228	0	0	2 Yes
45	8	69.56607	8326.221	15219.8	2	0	1 Yes
77	4	53.80172	6680.198	25176.16	1	1	1 Yes
70	4	68.29688	7598.939	11581.93	1	0	0 Yes
71	6	56.34611	7728.383	24172.15	2	0	2 Yes
87	6	61.17384	7833.238	29652.29	2	1	1 Yes
82	5	54.60577	7315.462	14451.13	2	0	2 No
29	6	55.64306	7656.664	6555.704	2	1	2 Yes
62	6	63.44648	7627.258	11598.43	2	1	1 Yes
60	7	67.31001	8417.002	10811.83	2	0	2 Yes
18	6	59.58756	7004.155	6224.096	0	0	1 Yes
50	5	45.71888	6320.428	17314.73	2	1	0 No
81	4	54.84434	6955.219	14008.38	1	1	2 Yes
57	6	67.21035	8187.716	9784.422	2	0	0 Yes
76	6	57.50886	6739.841	24780	0	0	0 Yes
71	5	58.07272	7200.438	23577.22	0	0	2 Yes
54	4	61.5076	7128.754	9035.166	1	0	1 Yes
76	3	68.94367	8214.574	25162.71	2	0	0 Yes
53	5	57.6436	6739.227	8905.369	1	0	1 Yes
62	6	68.54425	8150.318	10876.85	2	0	1 Yes
74	4	48.23758	6453.024	12599.87	2	0	0 No
44	4	57.38707	7727.63	15361.1	2	0	2 Yes
63	6	49.58989	6465	10931.58	0	0	2 No
37	5	67.9469	7661.924	6162.584	0	0	0 Yes
68	4	48.0297	6230.717	22197.51	1	0	0 No
23	7	64.07321	7955.974	8143.264	2	0	1 Yes
74	4	49.658	6400.351	24333.37	1	0	1 No
52	4	44.61669	6168.631	9384.11	2	0	1 No
33	6	59.98359	7052.128	11276.24	0	1	1 Yes
52	4	60.78385	7592.461	17609.65	2	0	0 Yes

55	4	64.81764	7666.312	9687.783	1	0	2 Yes
26	5	51.03598	6356.163	8752.123	1	0	1 No
40	5	45.23656	6380.739	7143.932	2	0	0 No
88	5	66.20852	8458.542	15995.06	2	1	2 Yes
28	6	70.50061	8229.823	5201.601	2	0	1 Yes
53	5	48.85077	6756.706	9678.212	2	0	1 No
19	5	59.34311	6871.803	3611.506	0	1	1 Yes
75	4	52.44058	6505.563	24511.41	0	1	1 No
65	5	64.76205	7933.49	21782.23	2	0	1 Yes
47	3	62.05368	7636.828	16473.57	2	1	0 Yes
88	4	64.54348	7203.919	14447.2	0	0	1 Yes
43	6	62.51707	7687.992	14644.12	2	0	1 Yes
30	5	62.06075	7147.123	9933.268	1	1	0 Yes
40	5	50.84835	6947.907	7538.637	2	0	2 No
47	5	50.00581	6637.381	15782.78	2	0	0 No
87	5	61.56963	6994.558	14467.82	0	0	1 Yes
18	7	65.75874	8082.713	6685.813	2	0	1 Yes
30	5	58.40222	7213.041	6151.985	2	1	1 Yes
41	5	61.67345	6981.026	6798.351	0	0	0 Yes
31	5	52.97657	6722.289	10828.34	1	0	2 Yes
74	4	60.97389	7509.204	24770.94	0	0	2 Yes
36	6	70.97746	8709.567	13048.57	2	0	2 Yes
79	5	71.43101	8512.434	13391.24	2	0	1 Yes
35	7	60.67277	7385.402	6445.376	0	0	2 Yes
85	6	62.92839	7098.017	13870.48	0	0	0 Yes
75	5	64.66309	8029.773	24800.13	2	0	1 Yes
18	4	69.1673	8279.382	6467.927	2	0	0 Yes
65	6	36.45081	5101.405	21263.92	1	0	0 No
34	4	54.64353	6981.166	6948.546	2	1	1 Yes
81	5	67.04905	7569.57	13453.14	0	0	1 Yes
26	5	48.51776	6037.44	8776.118	0	0	1 No
83	5	64.48575	7723.783	13901.24	2	0	0 Yes
76	5	52.30031	6979.215	13581.03	2	1	0 No
55	3	66.98327	8495.589	10053.87	2	0	2 Yes
68	5	53.78598	7300.934	22965.09	2	0	2 Yes
64	5	62.73229	7849.354	21278.46	2	0	0 Yes
72	3	59.88588	7040.932	11853.67	0	0	1 Yes
38	4	57.46049	7037.049	6824.38	1	0	2 Yes
47	6	45.6987	6394.041	8437.663	2	0	1 No
74	7	61.37284	7635.583	12535.02	2	0	0 Yes
87	6	55.69784	6816.328	14293.18	1	0	1 No
21	5	66.9541	7631.215	3797.559	1	0	1 Yes
21	4	56.87267	7501.208	5393.881	2	1	2 Yes
27	7	64.83128	8351.689	10049.87	2	0	2 Yes
68	5	43.17664	6175.23	22589.09	2	0	1 No
58	5	66.6837	8138.371	19638.06	1	1	2 Yes
77	5	65.96063	7458.795	25071.11	1	1	0 Yes

40	7	59.64427	7656.167	7937.146	2	1	0 Yes
81	6	69.95805	8260.41	26841.41	0	0	2 Yes
88	6	69.17697	7677.568	14720.75	1	0	1 Yes
57	6	36.69855	5421.007	10117.09	1	1	2 No
64	5	67.64934	8532.279	11546.82	2	0	2 Yes
52	5	61.18268	7381.186	9079.774	2	0	1 Yes
53	4	53.84401	6472.955	8896.624	1	1	1 Yes
60	5	63.46466	7555.452	10572.97	1	0	2 Yes
38	5	63.4288	8308.724	13442.81	2	0	2 Yes
43	4	49.49181	6971.639	8123.116	2	0	2 No
47	5	38.10418	5625.067	8382.883	2	0	1 No
80	5	42.34547	5799.458	13640.74	0	0	2 No
30	5	49.99782	6184.241	5283.908	1	0	1 No
80	5	70.41766	8199.401	13793.34	0	1	2 Yes
87	6	70.87222	7893.743	14157.58	1	0	0 Yes
38	6	66.70362	7833.56	6927.272	2	0	1 Yes
57	6	62.01385	7143.28	18745.07	1	0	1 Yes
33	5	69.08716	8403.462	6155.464	2	0	1 Yes
42	5	64.04547	7800.031	14310.51	2	0	1 Yes
47	5	46.50214	6237.975	8249.363	2	0	1 No
19	5	52.89841	6932.165	3696	2	0	0 No
26	5	46.06502	6374.319	4972.792	2	0	1 No
74	4	51.02362	7119.366	13169.76	2	0	2 No
67	6	66.83321	7930.292	11441.73	2	0	0 Yes
30	4	67.4582	8308.883	5932.826	2	0	2 Yes
24	5	69.72404	8253.951	9215.886	2	1	1 Yes
41	4	63.50478	8116.579	7843.074	2	0	2 Yes
56	7	47.78532	6944.136	19289.53	2	0	2 No
66	6	57.86572	6728.709	10882.64	1	1	0 Yes
44	4	61.22171	7600.476	7933.408	0	1	2 Yes
40	4	37.97212	5309.137	13269.4	0	1	0 No
39	6	48.80014	6451.733	6995.499	2	0	1 No
21	6	69.98241	8433.186	7452.706	2	0	0 Yes
73	5	59.13961	7544.75	24325.07	2	0	0 Yes
47	4	64.46796	7232.042	7839.147	0	0	1 Yes
69	5	71.20394	8667.191	22900.48	2	0	0 Yes
42	5	61.15785	7124.946	13685.69	0	0	0 Yes
82	5	69.89188	7728.203	13566	0	0	1 Yes
41	5	47.7162	6126.854	7091.467	1	0	1 No
80	5	69.84599	8176.184	13695.67	2	0	1 Yes
35	5	49.7244	6368.672	6191.186	1	1	1 No
69	5	38.58753	5871.885	22950.51	2	0	1 No
19	5	70.55176	8395.331	3907.329	2	0	1 Yes
54	7	61.79299	7636.601	10190.64	2	1	1 Yes
52	4	70.7389	7970.577	17062.95	1	0	0 Yes
59	6	61.96421	7845.588	19771.98	0	0	2 Yes
51	7	67.69613	8112.353	17226.93	2	0	1 Yes

48	5	62.00648	8225.653	8936.357	2	0	2 Yes
72	6	60.01332	7072.445	12059.1	1	0	1 Yes
36	6	43.93739	6667.841	7525.535	2	1	2 No
77	7	71.48467	7897.26	25106.17	1	0	1 Yes
32	7	69.02786	7718.055	5524.421	0	1	1 Yes
35	5	70.48437	7818.549	11788.71	0	0	1 Yes
33	4	71.37572	8531.601	11448.46	0	0	2 Yes
35	3	47.08194	6372.497	6325.668	2	0	1 No
51	5	65.13108	8108.554	17832.16	2	1	1 Yes
24	4	70.49772	8289.565	8586.512	1	0	2 Yes
79	7	65.49851	7506.076	25722.69	1	0	1 Yes
50	5	65.73353	8012.123	16876.77	2	0	0 Yes
45	6	43.67411	5847.743	8020.402	1	0	2 No
25	6	45.35871	6253.797	5636.523	2	1	1 No
70	5	71.33911	8325.705	23373.46	2	0	1 Yes
22	4	71.52102	7887.967	7506.777	0	1	1 Yes
41	6	48.23367	7105.983	7781.504	2	0	2 No
86	5	60.43048	6986.365	14365.53	1	0	1 Yes
61	4	57.9732	6934.985	19985.26	1	0	1 Yes
28	5	67.25345	8057.748	5780.788	2	1	0 Yes
67	5	60.76371	7032.002	21886.12	1	0	1 Yes
50	3	55.17657	7114.679	8755.333	2	0	1 No
88	5	60.47729	6871.646	14318.16	1	0	0 Yes
64	5	66.31931	8586.912	12268.08	2	1	2 Yes
31	6	50.61746	6712.964	10831.77	2	0	1 No
49	5	66.87347	8420.515	17069.69	2	1	0 Yes
46	6	58.96016	7293.068	8205.131	2	0	1 Yes
81	5	65.23827	7433.753	26402.19	1	1	1 Yes
31	5	52.00151	7401.182	11279.72	2	0	2 No
34	5	50.07982	6737.435	11650.17	2	0	0 No
20	3	65.97275	7919.401	4444.637	2	1	0 Yes
88	4	58.90039	7441.387	29611.39	2	1	0 Yes
58	4	56.16532	7262.502	19530.33	2	0	1 Yes
19	5	54.22673	7430.132	4197.219	2	0	2 Yes
35	5	46.16202	5796.167	6098.518	1	1	1 No
22	5	56.47653	7421.473	7987.156	0	0	2 Yes
37	4	57.81482	7276.491	6739.184	2	0	1 Yes
40	6	64.8399	7520.635	13208.28	1	0	1 Yes
80	4	68.12812	7654.734	13220.61	1	0	1 Yes
50	6	69.78666	8286.746	8917.298	0	1	2 Yes
45	5	66.36454	8149.941	15425.22	2	0	1 Yes
83	6	55.08069	6948.314	14355.41	0	0	2 No
50	7	66.62136	8045.721	17178.66	0	1	2 Yes
18	7	69.4946	8353.706	6713.319	2	0	1 Yes
30	7	60.19003	7095.315	10190.68	0	0	1 Yes
73	5	63.84265	7231.641	12154.83	1	0	1 Yes
25	5	68.90569	8001.278	5022.631	0	1	2 Yes



43	4	64.69449	7328.616	14220.56	1	0	1 Yes
70	5	60.03159	7526.653	12219.79	2	0	1 Yes
29	4	55.19843	6633.834	5102.924	0	0	1 No
71	4	58.42436	7368.014	12223.02	0	0	2 Yes
88	6	45.79281	6327.908	15052.27	2	0	1 No
68	6	61.92465	7229.055	11253.67	0	0	0 Yes
36	5	59.60024	7566.512	6730.447	2	0	0 Yes
47	4	70.27089	8126.889	15499.53	1	0	0 Yes
81	7	59.08286	6892.272	13608.7	0	1	1 Yes
29	6	61.74959	7760.891	10827.02	2	1	1 Yes
73	6	57.49586	7224.823	13142.77	2	1	1 Yes
87	5	52.42689	6677.249	28764.61	0	1	2 No
82	7	61.98793	8180.719	27523.97	2	0	2 Yes
31	4	55.49842	6814.828	10295.14	0	0	1 Yes
71	5	44.08321	5612.595	11649.85	1	0	0 No
84	6	59.31398	7492.712	14266.44	0	0	2 Yes
77	5	69.7204	8246.689	13152.36	2	0	1 Yes
66	5	51.44439	6912.351	21917.78	2	0	1 No
19	6	56.02309	7570.352	7573.34	2	0	2 Yes
37	6	40.0176	5928.481	13322.19	2	1	0 No
40	6	63.64559	7330.145	13382.47	0	1	0 Yes
65	4	54.17754	6407.2	21173.2	0	1	0 Yes
88	5	68.93558	8170.112	14949.54	2	0	1 Yes
33	5	58.97936	7008.385	11089.9	1	0	1 Yes
62	4	62.44551	7871.53	10907.95	2	0	1 Yes
66	6	69.25919	7860.635	21531.79	0	0	1 Yes
43	5	66.39679	7829.851	7873.88	0	0	2 Yes
85	3	43.77343	6445.128	27969.88	2	0	0 No
50	6	59.84524	7042.859	16483.34	1	0	1 Yes
66	3	66.84162	8222.441	22000.06	2	0	1 Yes
46	3	69.08349	7737.236	7741.334	1	0	0 Yes
74	4	67.06496	7529.98	12287.91	1	0	1 Yes
79	6	46.66718	6276.963	13351.27	2	0	0 No
73	5	56.18222	6656.605	23848.36	1	1	0 Yes
58	6	60.8729	7941.3	19765.75	2	0	2 Yes
61	4	68.65032	8351.855	20498.22	2	0	1 Yes
27	5	62.00202	7755.664	9639.963	0	0	2 Yes
65	4	41.51346	5548.668	21451.02	1	0	1 No
73	4	55.47015	6580.895	12045.04	0	0	1 No
61	4	63.61837	7958.855	10682.52	2	0	1 Yes
70	5	55.89748	6581.599	11703.87	1	0	1 Yes
33	3	40.62281	5462.495	10882.35	0	0	0 No
66	5	70.29797	8653.891	22410.13	2	0	2 Yes
19	2	66.36368	8414.664	4949.893	2	1	2 Yes
51	5	55.93614	7250.693	8824.214	2	0	0 Yes
51	5	52.05104	6120.636	8523.79	1	0	0 No
57	5	65.28856	7765.938	10050.11	0	0	2 Yes

64	5	49.05502	6447.152	11561.71	2	1	0 No
88	5	68.46447	7597.148	14369.66	1	0	0 Yes
28	5	63.65965	8495.473	10219.48	2	0	2 Yes
64	7	48.45444	6432.252	10911.77	2	0	0 No
80	4	58.61922	6843.093	26203.44	1	0	1 Yes
52	4	58.48189	7447.03	9154.852	0	0	2 Yes
33	5	70.18084	8094.85	6380.873	1	0	2 Yes
64	6	61.45325	7661.406	21273.43	2	0	1 Yes
88	5	44.34372	6073.388	14841.44	2	0	0 No
28	5	71.01303	8318.775	5228.954	0	0	2 Yes
44	5	59.34609	7133.591	14470.07	0	0	0 No
33	7	70.99495	8829.617	6589.21	2	0	2 Yes
84	6	47.09668	6372.135	27709.84	1	0	2 No
52	5	70.37598	7928.285	8744.788	0	0	1 Yes
21	3	64.53232	7628.77	4168.092	1	1	2 Yes
20	6	57.8359	7581.033	4501.655	2	0	2 Yes
39	6	52.17416	6973.116	14074.59	2	1	1 No
32	3	52.71938	6235.078	5294.831	0	0	0 No
60	4	53.38984	7026.241	19946.18	2	0	0 No
52	5	55.85861	7163.59	9797.84	2	1	1 Yes
46	5	58.67063	6855.243	7968.798	1	1	0 Yes
70	8	52.15279	6922.206	23291.57	0	0	2 No
73	5	52.5033	6423.686	23948.26	1	0	1 No
70	6	53.82576	6398.584	11642.3	1	0	1 No
76	3	43.66053	6178.044	25120.39	2	0	1 No
38	5	54.1753	7099.898	6961.648	2	0	1 No
66	5	59.54072	7426.082	22035.84	0	1	2 Yes
57	6	59.1043	7296.034	9869.987	2	0	0 Yes
49	6	49.8925	6640.367	16617.19	2	0	1 No
31	5	64.69245	7423.34	10408.21	1	0	1 Yes
26	4	69.50844	7757.433	4444.415	0	0	0 Yes
74	5	68.91096	7866.48	24263.6	0	1	1 Yes
64	6	55.87082	7153.678	11085.26	2	0	1 Yes
58	3	58.10768	7336.962	10090.98	2	0	1 Yes
49	5	70.50082	8437.643	8510.155	2	0	0 Yes
72	4	71.0529	8416.452	12134.85	2	0	0 Yes
71	5	68.1456	8401.237	23611.44	2	0	1 Yes
79	5	57.60841	7853.853	26604.31	2	0	2 Yes
45	5	70.10727	8211.087	15435.14	0	0	2 Yes
81	5	65.60805	8429.958	27409.14	2	0	2 Yes
44	6	70.64341	8042.58	14753.04	0	0	1 Yes
37	4	69.36639	8366.662	6890.143	2	0	1 Yes
23	3	54.58003	6877.134	4522.227	0	0	2 Yes
71	5	61.17062	7892.655	23775.74	2	0	1 Yes
26	6	60.19641	7983.287	9732.883	2	0	2 Yes
76	5	59.51496	6938.589	12425.25	1	0	0 Yes
78	5	69.81227	7927.993	25394.34	0	1	0 Yes

64	6	67.50425	8288.843	21918.01	2	1	0 Yes
26	4	56.2111	6667.815	8861.915	0	0	1 Yes
57	3	36.96754	5816.417	19186.39	2	0	1 No
23	4	41.62258	5560	3949.058	1	0	0 No
78	5	68.55772	8157.484	25659.38	2	0	0 Yes
41	7	52.18979	6329.473	13590.11	1	0	1 Yes
69	4	44.81413	6273.506	22947.08	0	0	2 No
68	5	68.91459	8298.306	22518.33	2	0	0 Yes
21	6	52.97024	6929.206	4017.162	2	0	0 No
66	4	52.45516	6238.894	11093.97	1	1	1 Yes
51	5	51.7864	6868.424	17196.15	2	0	1 Yes
87	4	62.63461	7803.946	14605.13	2	0	0 Yes
47	5	62.21104	7012.804	8015.423	1	1	1 Yes
49	4	66.6492	8167.045	16617.19	2	0	1 Yes
56	5	62.7126	8052.571	10200.29	2	0	2 Yes
56	5	61.71026	8085.116	19227.96	2	0	2 Yes
70	4	53.45062	6994.844	23363.13	2	0	1 Yes
51	5	48.49441	6507.958	9064.532	0	1	2 No
60	5	40.47556	5523.305	19665	1	0	1 No
21	6	53.29968	7050.191	4140.301	2	0	0 Yes
22	5	68.4559	8223.901	7977.088	0	0	2 Yes
19	6	66.45981	7640.105	6513.573	1	0	1 Yes
22	6	60.32899	7495.51	7786.314	2	0	0 Yes
22	6	65.73808	7400.187	3879.632	0	0	1 Yes
77	7	68.88074	8284.468	13097.43	0	0	2 Yes
76	4	69.36216	8644.994	14061.85	2	1	2 Yes
36	4	56.17126	7175.968	6353.928	2	0	0 Yes
35	4	63.54595	7892.558	12195.1	2	0	1 Yes
57	6	50.85855	6827.07	19204.99	1	1	2 No
20	5	56.06488	7264.793	7330.008	1	0	2 Yes
65	5	50.99073	6605.76	11803.11	2	1	1 No
19	5	71.34217	8772.854	4248.72	2	0	2 Yes
86	4	71.6528	8487.192	29281.99	2	1	0 Yes
71	5	56.7235	6563.167	11683.91	0	0	0 No
22	5	71.13004	8755.54	4792.033	2	0	2 Yes
86	5	61.97918	7831.292	28432.64	0	0	2 Yes
75	5	69.96275	8377.346	12909.79	1	0	2 Yes
30	5	42.86677	6112.261	6234.271	2	1	1 No
80	6	63.27266	7870.165	26432.22	2	0	1 Yes
43	4	38.38488	5987.259	8188.463	2	0	2 No
51	4	60.71158	7953.549	17842.65	2	0	2 Yes
62	6	57.39421	7130.003	10926.56	1	1	2 Yes
42	5	62.22392	8110.938	7859.799	2	0	2 Yes
75	5	47.88876	6508.688	12810.48	2	0	1 No
77	5	68.14718	7597.584	12769.65	1	0	1 Yes
25	5	41.71589	5958.122	9471.3	2	1	1 No
68	6	58.53354	7316.379	11652.2	0	0	2 Yes

75	6	56.04141	6580.13	12326.24	1	0	0 No
60	4	57.85836	6947.614	19532.68	1	0	0 Yes
73	4	63.69264	7719.378	12520.1	2	0	1 Yes
38	5	71.00593	8358.986	12947.18	2	0	1 Yes
44	4	62.67021	7250.225	14612.77	1	0	1 Yes
45	5	69.05477	8352.782	15346.21	2	0	1 Yes
62	4	53.86759	6440.74	10330.15	0	0	1 Yes
33	4	69.5837	8542.722	6506.924	2	0	2 Yes
41	6	56.43324	7065.201	14000.17	1	0	2 Yes
36	6	49.87781	6600.616	6525.289	2	0	0 No
43	6	48.11319	6593.883	14644.12	2	0	1 No
74	4	68.98256	8328.079	24661.61	2	0	1 Yes
60	7	64.59607	8160.481	11379.48	2	1	2 Yes
83	6	44.64609	6260.706	27617.09	0	1	2 No
70	5	52.28514	6233.808	11705.51	0	1	1 No
62	5	46.01498	5746.315	10360.93	1	0	1 No
73	5	58.36508	7389.134	12633.17	2	0	1 Yes
86	6	36.64094	5258.099	14228.77	1	0	1 No
52	3	59.51076	7584.945	17615.71	1	0	2 Yes
25	6	36.48421	5842.892	5872.214	2	1	2 No
80	5	63.52132	7854.326	26586.46	2	0	1 Yes
27	4	66.63638	7803.619	9257.406	0	0	1 Yes
41	7	55.00855	7214.136	13942.03	2	0	1 Yes
58	5	68.5781	7718.038	9625.499	0	1	0 Yes
47	6	51.8718	6864.736	8468.448	2	0	1 Yes
36	7	64.57321	7766.483	12725.78	0	1	2 Yes
37	5	68.90758	8254.833	6545.294	2	0	0 Yes
44	4	60.1806	7358.314	7764.189	1	0	2 Yes
81	4	70.27516	7760.577	13541.9	1	0	1 Yes
50	5	57.75895	7163.142	8802.905	0	0	2 Yes
21	6	64.44903	8086.978	7404.484	2	0	0 Yes
52	6	37.89822	5468.468	9226.756	1	0	2 No
22	5	71.37395	8387.796	8148.135	1	0	2 Yes
55	5	63.32603	7702.602	9730.254	2	0	0 Yes
29	5	50.55724	6764.292	5555.476	1	1	2 No
37	3	44.44633	5497.522	6226.779	1	0	1 No
49	5	51.26552	6927.382	16587.61	2	0	0 No
59	5	54.29932	7230.672	10887.46	2	0	2 No
37	4	66.89325	8509.799	13286.86	2	0	2 Yes
65	3	61.85273	7623.615	21761.82	2	0	1 Yes
35	4	46.79096	6342.915	6322.237	0	0	2 No
35	7	65.84185	7922.169	12017.03	1	0	2 Yes
26	4	46.13657	5783.171	4488.86	1	0	0 No
61	5	46.05197	6188.306	10579.63	1	0	2 No
18	6	48.90282	7005.272	4098.207	2	0	2 No
58	7	55.28461	7093.375	10121.77	2	0	1 Yes
45	5	56.89738	6809.256	7631.941	0	0	0 Yes

40	4	51.72501	6238.748	6644.328	1	0	0 No
40	5	54.459	7535.216	14712.56	2	1	2 Yes
21	5	49.38422	6244.22	7164.477	1	0	1 No
76	2	66.37021	8049.452	12773.89	2	0	0 Yes
67	4	61.63682	7098.286	11093.09	1	0	0 Yes
46	4	57.68008	7274.295	8266.7	2	0	1 Yes
83	5	41.68736	6022.597	14653.6	2	1	0 No
31	6	54.58135	6733.168	10363.26	1	0	1 No
83	4	51.17723	6277.911	13888.26	0	0	0 No
71	6	62.94098	7099.048	11802.89	1	0	1 Yes
88	5	56.74925	7431.414	15246.53	2	0	2 Yes
27	6	56.16196	6698.161	4719.879	1	0	1 Yes
18	4	42.42995	5505.209	6143.276	1	0	0 No
42	4	50.10249	6704.24	7528.743	2	0	1 No
50	5	53.5561	7367.243	17285.95	2	0	2 Yes
69	5	48.04309	6853.834	13098.81	2	1	2 No
46	3	64.24634	7179.573	7577.029	0	0	0 Yes
21	4	58.90202	7693.922	4576.672	2	0	2 Yes
85	4	70.88561	7859.365	13942.43	1	0	0 Yes
76	5	62.87155	7871.676	25151.18	2	0	1 Yes
36	6	46.00293	5898.707	12091.54	1	0	1 No
67	5	46.38161	6667.059	12613.34	2	1	2 No
82	6	61.08358	7955.754	14498.85	2	0	2 Yes
31	4	56.96576	7415.399	10838.87	2	0	1 Yes
51	5	57.9881	7213.419	8885.783	2	0	0 Yes
21	8	71.84728	8923.822	4672.618	2	0	2 Yes
37	6	70.36507	7818.717	12288.17	0	1	0 Yes
71	5	62.9316	8013.186	12698.39	2	0	2 Yes
49	4	68.57656	8804.363	17591.63	2	1	2 Yes
27	6	70.56867	8297.888	5171.109	1	0	2 Yes
73	3	59.77667	7604.406	24262.69	0	0	2 Yes
78	7	64.69662	7423.682	25344.14	0	0	1 Yes
78	4	68.35349	8023.588	13316.3	1	0	2 Yes
25	6	68.61742	8634.807	5242.991	2	0	2 Yes
75	5	70.79552	8813.276	13210.71	2	0	2 Yes
68	6	58.42247	6859.474	11265.37	1	1	0 Yes
70	5	68.1844	8428.967	12475.38	2	0	2 Yes
21	5	52.38337	6840.294	4190.604	2	0	1 No
51	3	52.76709	6449.696	16598.83	0	0	0 No
59	4	46.56896	5918.653	19426.76	0	0	1 No
71	5	55.73021	6799.673	23102.31	1	0	1 Yes
31	6	57.19	6879.655	10604.62	0	1	1 Yes
59	5	71.85335	8409.188	10415.82	2	0	1 Yes
18	5	58.21272	7354.611	3955.138	2	0	1 Yes
75	4	54.6018	6599.06	24499.71	0	0	1 Yes
51	6	36.53972	5694.348	17278.16	2	0	1 No
54	4	66.98507	7733.979	17736.88	1	0	1 Yes

73	6	68.30754	8109.808	13053.14	2	1	1 Yes
72	6	61.85325	7267.072	23600.49	1	0	1 Yes
74	6	63.75538	7713.188	12800.71	1	0	2 Yes
71	7	67.18676	8089.924	12219.66	2	0	1 Yes
45	4	66.59586	7530.084	7600.271	0	0	1 Yes
72	5	54.40019	7031.15	24104.55	1	1	2 No
84	4	60.61043	7540.61	27789	2	0	1 Yes
32	7	59.39408	8062.175	12283.99	2	1	2 Yes
40	3	47.34008	5820.744	6800.876	1	0	1 No
46	5	57.07197	6697.981	7769.278	1	1	1 Yes
58	6	65.17281	7280.951	9696.251	0	1	1 Yes
50	5	61.41811	7959.698	10102.23	2	1	2 Yes
61	4	66.90553	8490.12	10999.92	2	0	2 Yes
88	6	59.25336	6988.136	14415.43	1	1	0 Yes
26	5	69.07328	8090.213	5007.249	1	0	2 Yes
20	4	53.57248	7005.73	7785.396	2	1	0 No
84	6	71.88984	8005.661	27619.64	0	1	1 Yes
32	4	68.05487	8038.268	5840.646	2	0	1 Yes
77	5	68.01252	7594.426	12914.39	1	0	0 Yes
27	5	58.31911	6851.906	4655.031	0	0	1 Yes
74	6	66.89534	8428.704	13173.03	2	0	2 Yes
85	4	58.89245	7282.227	28215.12	1	0	2 Yes
30	4	71.48068	8818.58	6025.18	2	0	2 Yes
38	6	62.42209	8185.689	7313.653	2	0	2 Yes
58	3	60.43022	7413.521	9975.788	2	0	0 Yes
50	3	65.38245	7905.41	8731.106	2	0	1 Yes
80	4	71.78384	7892.07	13199.89	0	0	1 Yes
72	4	59.10323	7629.267	24469.77	2	1	0 Yes
22	4	52.78	6765.863	7995.848	0	1	2 No
84	5	44.65562	6099.98	27546.36	0	0	1 No
81	5	65.11226	7347.941	13420.4	1	1	1 Yes
20	5	66.49785	7970.37	3897.701	2	0	0 Yes
19	5	71.16445	8830.243	4248.72	2	0	2 Yes
34	6	40.85066	5335.433	5864.664	1	0	1 No
77	5	69.91132	8509.886	13630.78	2	0	2 Yes
41	4	67.75896	7920.032	7491.301	2	0	1 Yes
57	6	43.61168	6048.035	10031.3	0	1	2 No
84	6	62.54269	8146.802	14597.1	2	0	2 Yes
42	5	52.66388	7351.976	8636.701	2	1	2 Yes
61	4	60.65303	7688.927	20316.47	2	0	1 Yes
85	6	63.17393	7103.972	14031.39	0	1	1 Yes
34	5	57.75218	7373.739	11881.94	2	0	1 Yes
80	5	57.85999	7582.66	26481.64	2	0	0 Yes
27	6	54.96064	7518.128	5605.32	2	0	2 No
61	6	67.92558	8069.469	10572.73	2	0	1 Yes
49	4	59.27878	7162.385	16143.01	1	0	0 Yes
25	3	67.85906	8187.253	9060.849	2	0	1 Yes

45	4	63.61787	7907.01	8069.976	2	0	0 Yes
30	5	57.22067	7631.36	6743.791	2	1	2 Yes
61	7	61.33869	7454.55	10589.85	2	0	1 Yes
48	5	60.2716	7512.847	16269.11	2	0	1 Yes
50	6	63.28037	7257.519	8433.961	1	0	1 Yes
59	6	60.04141	6955.454	9983.249	1	1	1 Yes
43	5	60.25951	8000.616	8171.339	2	0	2 Yes
87	5	70.93925	8412.918	14826.84	2	0	1 Yes
31	3	57.85382	6802.479	5297.356	0	0	1 Yes
74	5	54.76003	7000.655	12701.4	2	0	1 Yes
22	6	71.15538	8637.909	7929.017	2	0	1 Yes
77	6	68.38136	8018.896	13189.78	1	0	2 Yes
54	5	65.24064	8437.948	9848.342	2	0	2 Yes
25	5	71.47214	8380.761	4815.883	1	0	2 Yes
55	6	55.26167	7008.354	18470.63	2	0	1 Yes
52	5	51.93721	7037.126	9640.25	2	0	2 No
64	3	54.59589	6901.159	11817.17	2	1	1 Yes
19	5	54.55499	7125.269	3821.612	1	0	2 No
72	5	66.38713	7708.799	12356.09	0	0	2 Yes
42	6	59.50605	7045.503	7085.663	1	0	0 Yes
69	5	62.56269	7542.127	12078.13	0	1	2 Yes
75	4	67.40583	7621.985	12506.78	0	0	1 Yes
82	5	52.38996	6477.506	26609.21	0	0	0 No
33	3	66.41145	7442.123	5793.158	0	0	1 Yes
77	4	56.31681	7322.333	13169.38	0	0	2 No
54	4	63.99884	7648.891	9743.008	0	0	2 Yes
29	4	65.96398	8162.636	10211.97	2	0	1 Yes
24	5	64.89157	7352.866	4317.143	0	0	1 Yes
28	5	62.65299	7415.679	9442.067	1	0	0 Yes
74	4	42.84055	5840.024	12709.68	1	1	2 No
66	5	55.14756	7105.328	11416.75	2	0	1 No
79	4	52.52625	6489.642	25722.69	0	0	1 No
45	5	71.36506	7848.912	7548.77	1	0	1 Yes
36	5	58.45773	7878.448	6999.048	2	0	2 Yes
51	4	67.70431	7488.377	8637.031	1	1	1 Yes
34	6	65.22676	8272.392	12234.99	2	1	0 Yes
53	6	68.08589	7753.195	17321.64	0	0	0 Yes
41	5	66.05222	7793.679	14001.81	0	1	2 Yes
24	6	69.27972	8645.661	9660.327	2	1	2 Yes
89	6	65.41523	7840.315	29243.82	2	0	0 Yes
53	6	59.26872	7015.829	8667.034	0	0	0 Yes
68	4	69.63279	8158.715	11734.64	2	0	1 Yes
78	6	54.88161	7049.644	25848.2	0	1	2 No
39	6	37.70064	5210.788	12928.69	0	1	0 No
64	6	66.80522	7802.736	11034.1	1	0	2 Yes
76	5	58.26451	7821.565	25561.24	2	0	2 Yes
36	5	58.59286	7349.086	7146.256	2	1	1 Yes

25	6	40.53913	5948.717	8910.204	2	0	1 No
75	5	42.97258	5448.717	12426.13	0	1	1 No
40	6	54.55434	6446.012	6579.48	0	0	0 No
34	5	57.71765	7276.767	6240.664	0	0	2 Yes
26	4	48.37122	6634.334	4857.909	2	0	0 No
68	6	56.43437	6634.368	11222.88	1	0	0 Yes
73	5	53.56962	6683.22	23922.39	1	1	1 Yes
22	4	67.47104	8037.397	4406.044	0	0	2 Yes
59	4	56.4988	6729.931	19437.1	0	0	1 Yes
80	5	66.66499	8061.335	13501.78	2	0	0 Yes
54	5	68.97128	8506.29	18198.98	2	0	0 Yes
31	5	50.42785	7070.549	6175.376	2	0	2 No
26	5	48.29146	6385.488	4880.438	2	0	1 No
80	4	58.73002	7739.509	14177.37	2	0	2 Yes
28	3	50.14938	6050.932	4788.106	0	0	1 No
53	5	55.53771	7090.653	17785.17	2	0	1 Yes
72	4	71.24575	8548.996	24336.25	2	1	0 Yes
71	7	59.13895	6978.762	11689.81	1	0	1 Yes
37	6	48.25411	6489.011	12832.19	1	0	2 No
23	4	62.43538	7742.848	8837.334	2	1	1 Yes
84	6	46.60131	5759.243	13709.9	0	0	0 No
19	5	48.43258	6128.683	6565.074	1	0	1 No
74	6	63.26249	7245.591	24155.45	0	0	1 Yes
19	6	59.61731	7351.563	7067.492	0	0	2 Yes
61	5	68.1413	7791.077	19993.69	1	1	1 Yes
53	6	65.63935	7926.46	10019.99	2	1	1 Yes
79	5	60.19218	7548.134	26650.03	2	1	0 Yes
67	5	67.31891	8041.072	12200	2	1	1 Yes
76	5	67.63152	8191.169	13785.31	2	1	1 Yes
38	6	59.24367	7320.948	12977.82	0	0	2 Yes
65	4	62.43894	7765.7	12080.48	2	1	1 Yes
46	5	66.59726	7445.054	7607.814	0	0	0 Yes
47	5	53.17679	6526.897	8054.953	1	0	1 No
30	6	71.21084	8788.369	10860	2	0	2 Yes
61	5	67.79669	8336.618	10910.84	2	0	2 Yes
60	3	56.56065	6715.764	10128.85	1	0	1 Yes
24	6	63.41632	7709.933	4519.309	2	0	0 Yes
55	3	50.43416	7153.687	9978.138	2	0	2 No
63	5	71.15364	7925.579	10620.66	0	0	1 Yes
56	4	65.20617	7932.76	10491.4	2	1	1 Yes
65	3	65.62985	7891.304	11143.1	2	0	1 Yes
55	5	66.17908	7988.049	19165.59	2	1	0 Yes
47	5	38.565	5221.994	7768.395	0	0	0 No
25	5	50.20551	6773.2	8777.883	2	0	0 No
50	6	71.41022	8086.624	16494.37	1	0	0 Yes
49	4	71.52176	8506.612	16702.99	2	0	1 Yes
19	5	55.08823	6541.5	6412.036	1	0	0 No



20	8	42.41151	6087.071	7166.508	2	0	0 No
68	5	49.69147	6768.721	22508.27	2	0	0 No
87	6	60.02548	6994.074	14578.98	1	1	1 Yes
36	6	49.68376	6987.367	7060.618	2	0	2 No
33	6	51.31396	6852.731	6370.805	0	0	2 No
55	4	48.92932	6146.365	18156.6	1	0	1 No
50	5	48.20434	6284.494	16482.84	0	0	1 No
36	6	58.70518	6957.842	6156.24	1	0	0 Yes
47	6	59.56167	7587.209	16038.24	2	0	1 Yes
33	4	56.52855	7146.532	5954.471	2	0	0 No
57	6	64.32462	7445.464	18868.52	0	0	1 Yes
60	5	63.43878	8265.742	10836.06	2	0	2 Yes
66	5	69.31548	8159.893	22000.06	2	0	1 Yes
74	4	43.3735	6143.839	12783.42	2	0	1 No
85	5	58.4489	7324.351	28261.39	0	1	2 Yes
29	5	42.70728	5828.202	5543.459	1	0	2 No
55	6	66.88678	8193.191	19178.36	2	1	1 Yes
85	5	65.7521	7728.716	14522.65	0	0	2 Yes
78	4	52.9004	6918.646	13329.96	0	0	2 No
87	6	50.27232	6320.483	28313.26	0	0	0 No
26	5	53.62162	7091.65	9088.076	2	0	0 No
26	4	58.90893	6839.653	4632.402	1	0	0 Yes
21	5	49.41751	6748.143	7803.799	2	0	1 No
30	6	68.90261	8305.2	10563.01	2	0	1 Yes
79	6	64.50224	7452.528	13152.38	0	0	1 Yes
84	5	71.59522	8042.102	27546.36	0	0	1 Yes
26	4	70.02993	8127.543	5183.212	0	1	2 Yes
73	4	58.86625	7897.825	12992.05	2	0	2 Yes
77	3	71.58857	8255.254	13094.15	0	0	2 Yes
62	6	67.6727	8264.104	20636.73	2	0	1 Yes
29	3	54.82495	7143.831	10191.25	2	0	1 Yes
46	4	56.23393	7147.7	15441.8	2	0	0 Yes
51	4	52.72006	6235.134	8785.49	0	0	1 No
69	5	63.53043	8301.069	12893.38	2	1	2 Yes
42	5	53.85551	7194.307	7982.938	2	0	2 No
51	6	46.75002	6419.535	9077.594	2	0	0 No
20	5	69.23861	8642.292	8057.906	2	0	2 Yes
74	5	61.6872	7680.575	24623.72	2	0	1 Yes
36	4	70.23309	8466.921	12371.51	2	0	1 Yes
28	6	68.12409	7594.724	4962.746	1	0	1 Yes
72	6	71.3187	7917.064	12122.3	0	1	1 Yes
39	6	60.40437	7571.593	13407.87	1	0	2 Yes
82	4	60.74308	7524.302	14016.84	2	0	1 Yes
65	6	65.90802	7656.181	10819.88	1	0	0 Yes
52	6	68.46721	7684.387	8622.802	1	0	0 Yes
39	5	56.2287	7388.896	13429.41	1	1	2 Yes
44	4	40.9506	6016.294	7955.92	2	0	1 No

59	5	69.74115	8191.355	10403.69	0	1	2 Yes
69	5	59.45615	7333.708	12395.4	2	1	0 Yes
61	5	65.72879	7654.855	10796.76	0	1	2 Yes
57	4	63.11797	7266.253	9472.464	1	0	1 Yes
28	6	56.64945	7216.056	9953.274	2	0	1 Yes
73	6	61.27182	7606.168	12427.75	2	0	1 Yes
18	5	62.91604	7643.475	3626.574	2	0	1 Yes
35	6	51.03986	7196.184	13169.54	2	1	2 No
39	4	56.89427	7260.743	7142.633	2	0	1 Yes
85	6	59.89789	6943.694	14051.02	1	0	1 Yes
27	5	65.09064	7407.719	4721.515	1	1	1 Yes
78	5	36.20926	5420.064	14013.8	2	1	1 No
38	5	71.05322	8860.6	14072.03	2	1	2 Yes
70	5	51.90794	6253.736	11427.7	1	0	0 No
49	4	54.05934	6670.703	8160.309	1	0	1 No
51	4	65.97062	8452.987	17523.92	2	0	2 Yes
85	6	59.13904	7393.169	28112.38	1	0	2 Yes
30	6	65.20964	7371.727	10149.52	1	0	1 Yes
80	6	57.50966	7736.932	13958.6	2	0	2 Yes
20	6	38.26005	5211.629	3535.441	1	0	0 No
19	5	67.89082	7538.775	3455.947	1	0	1 Yes
69	5	62.34644	7655.977	22988.2	0	0	2 Yes
43	5	62.55771	7689.318	7682.268	2	0	1 Yes
88	5	71.03572	7855.336	14484.54	1	0	1 Yes
45	5	52.99166	7278.096	9111.342	2	1	2 Yes
52	5	66.8154	7484.967	8672.837	0	0	1 Yes
46	5	65.15176	7363.274	7614.917	0	0	0 Yes
72	6	53.66581	7377.201	24434.12	2	0	2 Yes
30	4	63.30981	7781.58	5611.686	1	0	2 Yes
79	6	41.32658	5327.042	13277.16	0	1	1 No
32	5	67.36685	8226.749	10978.86	2	0	0 Yes
61	5	64.18146	7725.54	20374.61	1	0	2 Yes
72	5	64.32311	7976.451	24578.36	2	1	1 Yes
40	4	66.8194	8109.04	13704.06	2	0	1 Yes
75	6	57.92505	7346.847	24800.13	2	0	1 Yes
23	3	62.55539	7554.244	4358.728	2	0	0 Yes
32	5	56.69704	6792.778	10820.82	0	0	1 Yes
42	7	41.0397	5764.417	7620.945	1	0	2 No
19	5	58.79575	7305.868	3838.657	2	0	1 Yes
86	5	39.76404	5259.66	14276.45	1	0	1 No
46	5	63.18985	7678.181	8174.346	2	0	1 Yes
49	4	60.40997	7590.544	16576.07	2	0	1 Yes
44	6	48.15391	5985.588	14540.82	0	0	1 No
46	5	70.59389	7784.823	7659.315	1	0	0 Yes
47	4	58.96093	7334.024	9015.384	2	1	1 Yes
30	6	45.68712	6797.68	11763.32	2	1	2 No
27	3	65.45316	7851.361	5215.659	2	0	1 Yes

84	6	57.40956	7170.664	27706.56	1	0	2 Yes
83	5	47.22996	6651.424	14553.42	2	0	2 No
36	3	64.40135	8118.091	6896.313	2	0	2 Yes
46	4	40.12746	5400.793	15154.07	0	0	1 No
40	5	59.42459	7370.145	7262.441	0	0	2 Yes
73	5	59.09471	7456.566	13218	2	1	1 Yes
87	3	53.3253	6934.838	28620.74	2	0	0 No
46	5	52.84543	6346.076	7894.372	0	0	1 No
79	4	52.13383	6293.36	12934.5	1	0	0 No
57	6	56.35332	7137.737	9995.598	0	0	2 Yes
85	5	63.54432	7596.126	14351.29	1	0	2 Yes
81	6	38.26569	5290.491	13260.57	0	1	0 No
37	5	49.55909	6781.335	6862.637	2	0	1 No
41	6	68.47302	8198.126	7388.46	0	0	2 Yes
61	6	69.66863	7684.444	10145.57	1	0	1 Yes
78	5	55.7807	6767.433	25450.16	1	0	1 Yes
80	6	53.25417	7362.713	14102.46	2	0	2 No
63	6	47.7333	6093.14	10430.36	1	0	0 No
38	5	58.19469	7367.297	6705.875	2	0	0 Yes
40	5	67.94574	8502.501	7630.991	2	0	2 Yes
24	4	45.94668	5932.193	4173.288	1	0	1 No
86	6	64.59063	8231.017	15045.23	2	0	2 Yes
26	4	70.39833	8268.828	4911.223	2	0	1 Yes
71	7	68.26761	7646.856	23105.59	0	0	1 Yes
43	5	63.07544	7940.119	14757.19	2	0	1 Yes
33	5	36.94088	5149.436	10993.95	1	0	1 No
32	5	64.61221	7210.452	5550.291	1	0	1 Yes
29	3	49.22466	7080.116	6100.808	2	0	2 No
65	5	49.27138	6478.374	21770.36	0	1	2 No
74	3	71.49052	8504.533	24722.72	0	0	2 Yes
59	5	71.02085	7674.981	9879.191	0	0	1 Yes
60	5	69.81448	8155.569	10391.78	0	0	2 Yes
40	4	60.93861	7020.868	13177.49	1	0	1 Yes
28	4	40.23138	5737.656	9888.274	0	0	2 No
88	6	66.71328	7626.563	28476	0	0	0 Yes
88	5	46.28643	6317.098	14994.06	1	0	2 No
26	5	59.36691	7864.546	6094.364	2	1	2 Yes
69	3	62.10729	7077.155	11433.5	1	0	1 Yes
62	5	68.34497	8357.73	20780.59	2	0	1 Yes
55	5	49.32508	6750.797	18641.5	2	0	1 No
42	4	54.65304	7166.22	15014.97	2	1	1 Yes
35	6	69.16178	8620.474	12509.53	2	0	2 Yes
69	4	64.11896	7748.57	11871.07	1	0	2 Yes
24	5	51.63667	6319.268	8084.095	1	0	1 No
23	5	68.96729	8246.786	8442.527	0	1	2 Yes
82	5	67.48375	7703.857	26765.76	0	0	1 Yes
89	5	71.86334	8397.225	15116.76	0	0	2 Yes

18	7	58.60282	6717.155	3420.141	1	1	1 Yes
19	5	49.367	6535.204	4124.305	1	1	2 No
79	5	41.62182	5871.794	13449.38	0	0	2 No
86	5	71.29545	8265.547	14754.87	1	0	2 Yes
25	5	52.80811	6374.88	4361.375	1	0	1 No
53	5	55.80947	6832.897	17578.3	1	0	0 Yes
73	6	62.07228	7102.104	12116.99	1	0	1 Yes
20	3	55.29425	6570.652	6833.834	0	0	1 No
34	6	54.03343	7137.489	11639.83	2	0	0 No
25	6	42.9215	6056.164	4645.827	2	0	0 No
88	5	56.88486	7187.352	28990.88	0	0	2 Yes
46	4	41.62942	5932.704	8174.346	2	0	1 No
22	5	68.65118	8740.854	8366.587	2	0	2 Yes
42	4	59.58464	7582.599	14382.47	2	0	1 Yes
34	5	67.15465	7857.802	6254.01	1	0	2 Yes
24	5	59.21316	6938.425	4228.068	1	0	1 Yes
86	6	69.34884	7881.244	28114.94	0	0	1 Yes
82	5	47.04524	6195.916	13869.55	0	0	2 No
29	5	71.72718	8663.647	10232.42	2	0	1 Yes
30	5	63.53228	7695.808	5701.075	0	0	2 Yes
32	4	56.30798	6635.381	5613.496	1	1	1 Yes
89	5	59.94576	6987.541	14709.53	1	1	0 Yes
39	5	61.97211	7859.364	7549.417	2	0	2 Yes
34	5	50.82679	6383.795	5711.626	1	0	0 No
33	5	59.45934	7239.979	6388.081	2	0	1 Yes
24	6	60.55802	7517.529	8805.749	2	0	1 Yes
38	4	54.89317	6899.54	6834.765	0	0	2 No
42	6	45.52257	6269.29	7624.376	2	0	1 No
34	6	69.77689	8840.969	12243.79	2	0	2 Yes
61	5	71.95472	8480.601	10399.24	2	0	0 Yes
18	5	42.52518	5471.738	3356.935	0	0	1 No
86	5	65.65095	7987.992	14594.31	2	0	1 Yes
40	4	54.57079	7097.472	13540.95	2	0	0 No
68	7	43.08794	6131.81	11871.44	2	0	1 No
79	7	62.30147	7046.648	12838.86	1	0	0 Yes
89	5	39.18463	5400.612	28942.25	1	0	1 No
25	5	59.17951	7863.813	5280.879	2	0	2 Yes
26	5	68.42457	8146.574	9107.327	2	0	1 Yes
29	4	61.86063	7544.282	5570.965	0	0	2 Yes
29	8	64.01105	7246.34	5052.575	0	0	0 Yes
28	6	55.14745	7386.835	9850.585	2	0	1 Yes
58	6	71.0181	8261.154	19352.26	1	0	2 Yes
41	3	52.00678	6188.96	6875.661	0	0	1 No
19	6	54.1046	7153.785	3839.856	2	0	0 No
59	5	56.07527	7141.832	10286.13	2	0	1 Yes
75	4	65.79586	7452.264	12366.2	1	0	1 Yes
25	6	67.3948	7549.874	8480.085	1	0	1 Yes

24	7	60.948	7654.905	4805.867	2	0	1 Yes
77	4	56.93526	7343.928	13597.76	2	1	0 Yes
28	5	53.87789	7197.862	9830.135	2	0	1 No
65	5	71.35379	8722.069	11666.24	2	0	2 Yes
19	5	57.87601	7255.071	4467.879	2	1	1 Yes
22	5	65.9364	7405.067	3836.154	1	0	0 Yes
39	6	68.40519	8291.681	13383.79	2	0	1 Yes
59	7	59.85171	7831.351	10733.53	2	0	2 Yes
75	5	69.73295	8127.774	12920.12	1	0	2 Yes
36	6	69.2444	8732.598	7587.104	2	1	2 Yes
62	5	67.33567	8369.989	21127.08	2	1	0 Yes
40	5	61.23719	6933.91	6913.947	0	0	1 Yes
81	5	42.82076	5976.259	26749.05	0	0	2 No
67	4	70.93743	8012.769	22101.92	1	0	1 Yes
38	4	70.47271	8263.591	6954.939	1	0	2 Yes
77	4	70.53009	8331.847	25464.73	1	0	2 Yes
64	6	61.38008	8036.476	11454.15	2	0	2 Yes
23	6	60.60637	7114.069	8104.101	1	1	1 Yes
62	4	46.91289	6504.378	20725.81	2	0	1 No
71	4	64.25675	7328.481	11795.83	0	0	1 Yes
24	6	61.36239	7988.541	5051.626	2	0	2 Yes
77	4	46.85481	6446.908	13159.15	2	0	1 No
58	5	67.43643	8564.248	19796.54	2	0	2 Yes
80	4	61.84619	7567.184	14171.86	2	1	0 Yes
30	6	61.9924	7298.619	10212.72	0	1	1 Yes
87	5	70.84373	7660.468	14344.68	1	0	1 Yes
78	4	58.07031	7212.28	13204.85	2	0	0 Yes
68	5	68.07059	7727.092	11488.73	1	0	1 Yes
18	6	56.81375	7268.06	6637.59	2	0	1 Yes
35	4	53.53491	6899.37	6479.592	2	0	1 No
64	6	70.82338	8426.432	11103.58	2	0	0 Yes
62	5	41.56613	5467.838	20262.28	0	0	0 No
88	5	64.77318	7952.741	14833.19	2	0	1 Yes
73	4	39.13951	5710.8	12566.25	2	0	0 No
74	5	45.69574	6370.337	24572.22	2	0	1 No
70	6	37.8514	5688.117	11936.82	2	0	0 No
67	3	56.76979	6747.966	11050.77	0	0	1 Yes
85	5	55.28666	7543.415	14994.44	2	0	2 Yes
50	2	55.42327	7140.213	8826.739	2	0	1 Yes
87	6	61.29552	7376.749	14981.94	1	1	2 Yes
47	4	58.35961	7821.481	16479.09	2	0	2 Yes
34	4	59.69196	7004.766	11338.21	1	0	1 Yes
61	6	59.88939	6916.563	10166.29	0	0	1 Yes
35	4	62.42065	8465.902	13172.82	2	1	2 Yes
44	4	70.91827	8746.964	8304.1	2	0	2 Yes
34	5	57.09741	7324.774	6661.988	2	1	0 No
23	5	60.45112	7393.195	4518.555	2	0	1 Yes

61	5	66.31538	7935.504	20518.47	0	0	2 Yes
51	4	68.32613	8164.942	17739.25	2	1	1 Yes
61	5	43.79991	6187.82	11239.79	2	1	1 No
73	6	55.91496	7155.874	24217.9	2	0	1 Yes
85	4	56.72794	7650.666	14980.59	2	0	2 Yes
25	4	60.55474	7722.667	8982.155	2	0	1 Yes
49	5	68.75143	8320.511	16606.86	2	0	1 Yes
84	7	42.07805	5547.425	27229.02	1	0	0 No
44	4	58.53847	7220.267	7843.196	1	0	2 Yes
30	5	56.11229	6843.087	9974.878	0	0	1 No
69	4	68.4749	8262.278	22742.96	2	0	0 Yes
86	7	70.10706	7758.172	14214.88	1	0	1 Yes
31	5	51.37681	6252.917	10449.38	0	0	1 No
88	6	70.21292	7694.896	14546.11	0	0	1 Yes
59	6	41.51084	6077.106	20490.19	2	1	1 No
23	4	67.13816	8027.23	4434.457	2	0	0 Yes
75	4	65.64258	8531.463	13234.7	2	0	2 Yes
47	3	53.92443	6421.292	8035.873	0	1	1 No
64	6	64.44499	7966.223	21308.04	2	0	1 Yes
62	3	68.52658	8113.875	10842.95	0	0	2 Yes
81	7	45.47343	6300.38	13773.97	2	0	1 No
75	2	64.28619	7389.151	24410.86	0	0	1 Yes
18	6	71.73307	8292.56	3951.707	1	0	2 Yes
82	4	62.85075	7138.072	13440.24	0	0	0 Yes
81	6	71.6504	8418.024	13801.47	2	0	1 Yes
28	6	68.63764	8249.178	9891.705	2	0	1 Yes
43	3	71.77892	8390.307	7783.162	0	1	2 Yes
44	7	59.01144	6956.206	7411.427	0	1	0 Yes
32	5	53.52444	7287.442	6996.281	2	1	2 Yes
53	4	66.98964	8130.636	17908.62	2	0	1 Yes
37	5	71.84319	8001.38	12357.28	1	0	1 Yes
30	2	60.3056	7650.516	10457.04	2	0	1 Yes
52	6	66.67836	7660.364	17214.07	0	1	1 Yes
68	4	70.98866	8943.753	23071.1	2	0	2 Yes
47	4	56.03037	7724.619	17015.96	2	1	2 Yes
62	5	59.87051	7585.405	10587.33	2	0	0 Yes
25	4	41.86186	6037.864	4762.176	2	0	0 No
89	6	61.604	6988.531	14656.66	1	0	0 Yes
70	6	41.24871	5895.474	12096.81	0	0	2 No
77	6	64.02288	7908.979	25683.81	0	0	2 Yes
82	6	66.0782	7935.984	14731.85	2	1	1 Yes
89	5	59.30993	7948.276	15558.07	2	0	2 Yes
83	5	37.30598	5424.914	27164.53	0	0	1 No
55	3	63.40458	7795.828	18391.63	2	0	1 Yes
23	4	54.78222	7102.082	8143.112	0	0	2 No
55	6	58.05737	6832.811	9094.21	1	0	0 Yes
57	5	54.81038	6981.155	10193.97	0	0	2 Yes

85	6	59.55754	7449.563	14474.43	1	0	2 Yes
50	6	59.92479	7612.339	16846.3	2	0	0 Yes
66	4	61.11324	7616.64	11495.49	2	0	1 Yes
25	5	42.09924	6023.843	8930.921	2	0	1 No
35	7	64.00395	7916.146	6469.524	2	0	1 Yes
45	6	67.96627	8204.434	8061.721	2	0	1 Yes
32	4	62.38818	7331.111	5512.717	0	0	1 Yes
21	5	49.87835	6347.814	7366.623	1	0	1 No
41	4	64.21779	7869.661	7331.474	2	0	0 Yes
71	4	46.12633	5926.637	23133.1	0	0	1 No
57	4	54.62719	7061.721	9910.839	2	0	0 No
73	5	45.25274	6715.937	12868.6	2	0	2 No
85	4	70.06282	8522.433	28461.4	1	0	2 Yes
39	6	66.30001	7861.07	7077.785	2	0	1 Yes
72	8	64.96134	7751.382	12227.2	2	0	0 Yes
41	5	52.02581	6798.056	14184.88	0	0	2 No
31	5	60.89736	6965.745	5413.705	0	0	1 Yes
28	7	49.18685	6350.835	9664.117	1	0	0 No
83	7	68.87185	8366.755	27941.41	2	1	0 Yes
74	5	55.74455	6603.378	12070.02	0	0	0 No
56	5	58.79831	7512.39	18644.41	2	0	0 Yes
85	5	68.54229	8296.853	14416.29	2	0	1 Yes
81	5	57.13908	6697.888	13670.27	0	1	1 Yes
52	5	55.93553	6573.806	8710.725	0	0	1 Yes
46	6	70.47251	8501.161	15612.01	2	0	1 Yes
78	6	52.85118	7449.96	26407.19	2	0	2 Yes
64	4	53.64359	6736.571	11102.23	0	0	2 No
48	4	68.97598	8226.128	8536.361	2	0	1 Yes
74	5	50.2219	6901.55	24613.39	2	0	1 No
67	7	48.57001	6055.437	11260.02	1	0	1 No
40	6	42.86393	5745.959	6736.995	0	0	0 No
74	5	60.19011	8019.495	13162.7	2	0	2 Yes
27	5	58.99117	6748.975	4757.277	1	1	0 Yes
80	5	44.76986	6353.641	26488.72	0	1	2 No
18	5	63.37424	7974.252	4088.139	2	0	2 Yes
40	5	62.96915	7663.35	7860.532	2	1	1 Yes
41	5	68.00293	7832.971	13498.95	0	0	0 Yes
30	4	66.14968	7526.934	5528.543	0	1	1 Yes
59	5	56.85049	7002.59	10248.13	0	0	2 Yes
22	4	63.83327	7878.98	4260.03	2	0	0 Yes
37	3	71.25994	7963.992	12392.98	1	1	1 Yes
29	4	70.74786	8336.196	5991.404	2	1	1 Yes
75	5	62.00205	7260.93	12542.48	1	1	1 Yes
78	5	63.23893	7270.616	13012.25	1	0	1 Yes
72	3	45.56336	6101.373	12159.08	2	0	0 No
47	4	62.62241	6986.831	7900.716	1	0	1 Yes
53	5	58.73631	6974.556	8956.871	1	0	1 Yes

57	4	63.05577	7793.682	18899.83	2	0	0 Yes
26	5	58.97686	7332.077	4809.686	2	0	0 Yes
47	5	56.99962	7137.075	16154.67	0	0	2 Yes
86	6	51.12727	6629.218	14546.09	2	0	1 No
18	6	57.50677	7833.937	4221.659	2	0	2 Yes
52	5	49.30508	6309.132	9134.402	0	0	2 No
47	6	60.22239	7590.612	8321.161	1	0	2 Yes
30	5	62.19749	7524.918	5728.187	2	0	1 Yes
57	6	68.74257	8099.267	19107.72	1	0	2 Yes
26	5	59.96669	7026.376	8724.617	1	0	1 Yes
24	5	62.35208	8134.453	9017.444	2	0	2 Yes
18	6	71.00454	9169.248	6979.527	2	0	2 Yes
59	5	41.59589	6030.925	19952.86	0	0	2 No
64	6	50.53329	7221.489	11484.94	2	0	2 No
49	5	52.53029	6803.859	8434.925	2	0	0 No
19	4	53.3246	6737.312	4397.127	2	1	0 Yes
30	4	56.76939	6894.118	5294.29	1	0	1 No
27	4	59.4664	7851.521	9899.221	2	0	2 Yes
41	3	54.98406	7441.35	7774.947	2	0	2 Yes
77	6	52.93924	6340.109	12748.93	1	0	1 No
76	4	66.47523	7696.425	24898.71	0	0	1 Yes
34	4	42.12989	6319.65	6605.935	2	0	2 No
76	6	70.57432	7857.04	12569.1	1	0	0 Yes
76	5	57.71938	6757.991	24912.32	0	0	1 Yes
31	3	50.77624	6255.899	5475.274	0	0	1 No
70	6	55.98683	6713.515	22785.33	0	0	1 No
84	5	50.83516	6294.65	27270.19	1	0	0 No
81	6	54.37297	6969.908	13743.18	2	0	1 No
57	6	71.6649	7944.53	9527.244	0	0	1 Yes
72	4	65.31233	8267.938	12893.04	2	0	2 Yes
33	7	68.86638	7947.973	10800.06	1	0	0 Yes
45	6	67.53179	8449.796	9214.077	2	1	2 Yes
61	4	64.18335	7686.734	11345.49	2	1	1 Yes
75	4	59.88169	6941.398	12506.78	0	0	1 Yes
51	7	62.53348	7636.693	8947.353	2	0	0 Yes
78	5	44.83053	6054.82	25870.55	1	0	2 No
49	5	52.84876	6818.14	8649.38	0	0	2 No
50	4	50.87775	7025.52	9329.47	2	0	2 No
29	5	56.3456	7070.96	5404.5	2	0	0 No
49	3	50.01426	6527.59	8714.774	0	0	2 No
21	6	69.32909	8341.113	7536.805	2	0	1 Yes
47	5	38.59402	5384.721	7941.883	0	0	1 No
23	4	48.9917	6762.022	8825.187	2	1	0 No
45	6	59.34312	7742.913	15221	2	0	0 Yes
70	5	45.11472	6100.666	12106.88	1	0	2 No
80	5	52.95856	6426.837	13085.01	1	0	0 No
82	6	68.03213	8023.69	13958.62	0	0	2 Yes



45	5	54.9236	6999.962	8013.765	2	0	1 Yes
20	6	59.33011	7047.136	7081.748	0	1	1 Yes
68	4	59.63367	7326.695	11765.27	0	0	2 Yes
49	5	70.30011	8027.645	16090.63	1	0	1 Yes
71	5	65.67487	7322.089	11762.92	0	0	0 Yes
85	6	56.99461	7305.92	14423.24	0	0	2 Yes
59	4	64.03782	8344.513	11352.42	2	1	2 Yes
51	5	67.18674	8572.842	9366.599	2	0	2 Yes
34	6	49.06437	6063.441	11502.51	0	0	1 No
60	5	65.4116	7925.163	19976.96	2	0	0 Yes
33	5	67.91931	8172.955	6839.153	2	1	1 Yes
89	6	59.17759	7803.292	30466.93	2	1	2 Yes
81	4	68.32002	7783.682	26335.71	0	0	1 Yes
35	4	58.8253	7446.077	11980.5	2	0	0 Yes
34	6	59.27755	7297.035	6226.656	2	0	1 Yes
55	5	62.57338	7076.804	9298.436	1	0	1 Yes
53	5	68.32814	8232.663	17785.17	2	0	1 Yes
88	3	61.19543	7335.76	28899.05	0	0	1 Yes
30	4	40.60875	5751.145	5519.332	0	0	2 No
46	2	70.47749	8447.317	15517.53	2	0	0 Yes
33	5	52.79852	6925.147	6633.728	2	1	1 No
79	6	48.76086	6575.307	13480.16	1	0	2 No
26	5	48.95311	7050.666	9640.529	2	0	2 No
69	6	65.83391	7561.71	11270.39	0	0	0 Yes
47	4	49.71868	6680.966	16067.23	1	1	2 No
39	5	60.32706	7508.547	13251.47	2	0	0 Yes
77	6	58.62651	7450.065	13131.64	2	0	1 Yes
58	5	69.0609	8666.726	10665.31	2	0	2 Yes
48	5	66.18855	7350.984	8143.584	0	0	1 Yes
35	6	62.62628	7693.523	6534.765	1	0	2 Yes
55	6	61.79997	7553.867	9667.38	0	0	2 Yes
89	6	68.83851	8216.704	15141.3	0	0	2 Yes
51	4	43.79598	6302.149	17247.38	2	0	1 No
20	5	62.64661	7073.959	3530.963	1	0	1 Yes
43	4	62.94836	7641.285	7634.392	0	0	2 Yes
46	5	42.86754	5537.353	7832.046	1	1	0 No
63	6	65.83759	7422.279	20776.43	0	0	1 Yes
53	5	71.08911	7886.888	17666.17	1	0	1 Yes
80	6	70.20424	8679.682	14085.02	2	0	2 Yes
55	5	54.02793	6881.055	10126.55	2	1	0 No
69	5	40.58444	5693.41	11846.99	2	0	1 No
61	5	59.32572	6873.804	10118.07	1	0	1 Yes
56	4	63.56778	7793.393	9817.731	2	0	1 Yes
46	6	66.10051	7331.499	7769.278	0	1	1 Yes
34	4	66.42223	8505.514	12261.22	2	0	2 Yes
26	5	50.54182	6755.76	4816.789	2	0	0 No
69	5	62.18394	7096.631	11330.32	1	1	0 Yes

37	7	65.73987	7514.942	12495.72	1	1	1 Yes
21	7	51.8279	6286.626	7202.318	0	0	1 No
22	5	41.49573	6007.796	4351.185	2	0	1 No
82	4	55.62733	7579.204	14943.05	2	1	2 Yes
44	4	71.94459	8581.692	14911.07	2	0	0 Yes
72	6	69.28805	8229.596	24013.99	2	0	1 Yes
55	4	65.39264	7738.545	17951.82	1	0	0 Yes
70	4	55.93944	6533.233	11482.48	1	0	0 Yes
44	5	63.39857	7934.1	7801.683	2	0	1 Yes
83	3	69.61641	8472.661	27540.53	0	0	2 Yes
75	5	59.39124	6940.722	12285.38	0	0	0 Yes
66	3	61.17691	7732.754	22608.57	2	1	1 Yes
59	5	69.41337	8683.337	11482.62	2	1	2 Yes
18	5	71.54567	8048.052	6460.305	1	0	1 Yes
30	5	38.5279	6032.386	6562.048	2	1	2 No
82	6	52.75306	6903.32	14256.4	1	0	2 No
26	4	70.63161	7887.042	8736.151	1	0	0 Yes
53	5	64.81075	8083.666	17853.84	2	0	1 Yes
65	5	67.74413	8503.572	11707.09	2	0	2 Yes
30	5	60.48668	7070.852	9974.878	1	0	1 Yes
74	4	44.34903	6189.399	24582.6	2	0	1 No
53	6	68.31171	8020.164	9437.428	0	1	2 Yes
48	6	57.74862	6906.641	15771.56	1	0	0 Yes
59	3	61.50507	7040.105	9900.793	0	0	0 Yes
32	5	61.17053	7751.538	5790.611	2	0	0 Yes
87	7	69.70384	8198.308	14809.75	0	0	2 Yes
46	7	61.76094	7275.031	15171.01	0	0	1 Yes
69	4	42.24877	5389.41	11577.36	1	0	1 No
42	4	66.93132	7578.71	7159.38	0	0	1 Yes
81	5	70.78198	7928.081	26463.33	0	0	0 Yes
71	6	54.17692	6467.73	23102.31	1	0	1 Yes
52	5	71.90712	8879.731	17874.97	2	0	2 Yes
32	3	61.76488	7121.974	5540.223	0	0	1 Yes
38	4	61.12755	7470.052	6886.267	0	0	2 Yes
86	5	63.99869	7392.028	27807.97	0	0	0 Yes
40	7	59.59598	7227.549	7410.944	0	1	2 Yes
71	4	47.92896	6355.786	12216.38	2	0	1 No
82	5	68.33633	8220.552	27038.53	1	0	2 Yes
37	4	65.44866	8009.057	6759.901	2	0	1 Yes
83	4	64.76327	7888.823	14208.2	2	0	1 Yes
68	4	60.65385	7595.972	22732.94	2	0	1 Yes
39	5	61.65049	7566.672	7245.368	2	0	1 Yes
86	5	65.53383	7430.794	13969.49	0	0	0 Yes
38	4	56.57153	7063.939	6868.981	2	0	1 Yes
61	6	57.59207	7252.92	10430.02	2	0	0 Yes
85	5	57.86217	6681.933	13995.25	1	1	0 Yes
43	6	47.43756	5902.966	7268.774	0	0	1 No

44	5	63.67084	7560.629	14643.56	0	0	1 Yes
47	6	61.21174	7016.07	8076.993	0	1	1 Yes
52	5	61.20135	8021.831	9636.972	2	0	2 Yes
64	5	70.50431	8462.266	21386.9	0	0	2 Yes
56	6	56.42062	7577.391	19180.24	2	0	2 Yes
63	5	71.2293	8401.853	20937.74	2	0	0 Yes
61	7	56.59908	7834.324	20897.9	2	0	2 Yes
54	5	51.48011	6893.223	10024.57	2	1	0 No
57	4	57.094	7019.291	9964.814	0	0	2 No
72	4	47.69517	6447.608	23945.71	1	0	2 No
74	6	60.316	7697.11	12691.07	2	0	1 Yes
49	6	69.01254	7836.999	16142.13	1	0	1 Yes
72	5	68.92792	8015.814	12196.42	2	0	0 Yes
55	5	67.22009	8409.634	10217.86	2	0	2 Yes
86	5	47.53994	6404.217	14686.51	0	0	2 No
45	5	56.50807	7422.15	15336.15	2	0	1 Yes
29	5	56.10253	7583.83	6401.467	2	1	2 Yes
45	7	66.46301	8046.429	15863.83	2	1	0 Yes
53	5	71.02178	9028.118	18229.84	2	0	2 Yes
76	5	68.67578	8265.543	25181.96	2	0	1 Yes
21	6	70.42563	8385.296	7656.826	1	0	2 Yes
24	5	69.52589	7845.369	4225.988	0	0	0 Yes
51	5	69.92186	8097.256	8762.645	2	0	0 Yes
61	6	63.42676	7884.218	20559.78	2	0	1 Yes
29	7	36.86013	5636.356	10206.61	2	0	0 No
55	4	59.27024	6784.112	9361.641	0	1	1 Yes
67	4	56.9035	7401.907	11359.45	2	0	0 Yes
53	7	68.25309	8174.771	9216.128	2	0	1 Yes
30	7	71.25745	8557.83	11045.1	2	1	1 Yes
31	5	53.26729	6460.01	5389.16	0	0	1 Yes
30	5	57.04162	7612.467	6025.18	2	0	2 Yes
35	6	66.97128	8441.89	12571.1	2	0	2 Yes
65	5	67.1085	8099.32	21609.05	2	0	0 Yes
72	4	62.67651	7465.339	12438.38	0	0	2 Yes
52	4	67.21832	7521.475	8732.764	0	1	1 Yes
45	4	58.95466	7037.443	14861.08	1	0	1 Yes
54	5	67.97938	7485.45	8963.215	0	0	1 Yes
59	2	69.33636	8647.049	20332.29	2	0	2 Yes
25	7	53.02679	6885.814	8930.921	2	0	1 Yes
69	6	65.85231	7848.951	11908.56	2	0	1 Yes
40	5	71.436	9012.388	14001.05	2	0	2 Yes
35	4	65.21856	7311.878	11567	1	0	0 Yes
50	5	71.95813	8824.293	9226.734	2	0	2 Yes
38	4	69.44279	7677.309	6353.95	1	0	0 Yes
27	6	57.52201	6920.955	9219.518	0	0	1 Yes
75	6	58.02707	7339.399	12779.7	2	0	1 Yes
71	4	68.78159	8124.085	12814.82	2	1	1 Yes

77	6	50.76255	6527.383	13870.66	2	1	1 No
75	6	66.89827	8141.03	12841.27	2	0	1 Yes
39	5	40.18373	5892.418	7087.853	2	0	1 No
73	5	58.88308	7470.119	13037.72	2	1	0 Yes
46	4	54.42603	7467.577	8615.194	2	0	2 No
38	6	52.58786	7368.703	13535.17	2	0	2 Yes
30	5	55.8863	7480.967	6021.902	2	0	2 Yes
63	5	67.12852	8435.54	11262.79	2	0	2 Yes
40	8	63.68553	7133.621	6708.522	0	0	1 Yes
56	5	48.12228	6946.438	10292.96	2	0	2 No
37	3	65.21235	7925.619	6708.4	2	0	1 Yes
39	4	40.18464	5807.347	7241.776	2	0	1 No
50	8	58.48781	7220.955	8734.385	2	0	1 Yes
40	6	53.33697	6457.843	6889.719	1	0	1 No
26	5	71.06635	8298.579	4990.078	1	0	2 Yes
65	4	67.27154	7539.774	21245.59	1	0	1 Yes
19	4	48.08186	6538.973	6986.842	1	1	2 No
62	5	60.47966	7508.336	20777.16	0	0	2 Yes
21	5	70.75714	7919.366	7100.781	1	0	0 Yes
50	6	54.19867	6514.286	8359.931	0	0	0 No
85	5	64.58053	7804.424	14354.72	2	0	1 Yes
87	5	62.19764	7323.375	14437.03	0	0	1 Yes
35	5	69.51375	8235.819	12071.96	2	0	1 Yes
42	6	49.52049	6438.016	13889.96	1	0	1 No
50	6	67.87204	8161.882	17014.07	2	0	0 Yes
45	7	65.34543	7880.338	8855.202	2	1	1 Yes
65	5	51.80717	6433.975	21205.94	0	0	0 No
69	5	37.20554	5488.502	11950.88	2	0	0 No
55	4	60.2985	7496.265	18549.14	2	0	1 Yes
62	3	68.52984	8636.408	11159.95	2	0	2 Yes
32	5	50.29208	6962.008	6397.844	2	0	2 No
29	3	65.32021	8230.311	10841.19	2	1	1 Yes
19	5	54.20496	7357.824	4299.954	2	0	2 Yes
31	6	69.00098	7809.843	5382.92	0	0	1 Yes
77	6	70.94098	8448.175	13802.03	2	1	1 Yes
62	5	49.2333	6607.786	20777.16	0	0	2 No
66	3	63.11199	7526.554	11538.1	0	1	2 Yes
32	5	62.07121	7207.66	10759.26	0	0	1 Yes
73	6	51.04598	6789.423	12458.53	2	0	1 No
25	5	67.30332	7599.248	4417.354	1	0	0 Yes
21	6	44.26135	5728.829	3910.629	1	0	1 No
66	5	62.38039	7724.659	21972.64	1	0	2 Yes
51	5	52.19944	7481.703	17729.35	2	0	2 No
83	5	42.72391	5577.389	13638.7	1	0	0 No
19	5	64.88379	7645.298	4078.225	0	0	2 Yes
34	6	62.42302	7247.852	5775.82	1	0	1 Yes
70	5	46.61237	6671.966	23828.05	2	1	1 No

67	6	55.98306	6712.237	21949.32	1	1	1 Yes
56	5	43.41724	5817.046	18329.18	0	0	1 No
51	4	51.88913	7337.722	17616.28	2	0	2 Yes
80	6	42.4574	6128.455	13573.73	2	0	0 No
88	5	69.50808	7964.522	14915.32	0	0	2 Yes
24	4	56.71538	6637.705	4195.203	0	0	0 Yes
39	6	58.62615	7577.882	13333.49	2	0	0 Yes
86	5	52.18738	6435.6	14184.1	0	0	1 No
67	6	51.20079	6248.437	21802.02	0	0	0 No
44	5	70.05551	8434.496	8699.098	2	1	0 Yes
59	4	71.92413	8104.528	19304.77	1	0	0 Yes
62	7	49.79601	6287.003	20348.01	0	1	1 No
38	4	70.58371	7897.213	12598.54	0	0	1 Yes
27	5	62.62873	7678.808	5215.659	2	0	1 Yes
86	5	66.16842	8220.444	29004.93	2	1	0 Yes
72	4	71.2437	8072.979	23525.31	1	0	1 Yes
74	4	68.06103	7492.14	12287.91	0	0	1 Yes
68	4	61.11784	7602.875	11676.43	0	0	2 Yes
59	4	62.81447	7659.718	10191.15	2	0	0 Yes
82	5	69.77827	7814.311	13652.93	0	1	1 Yes
46	3	66.6304	8326.201	9305.986	2	1	2 Yes
42	4	64.91298	8117.576	14300.18	2	0	1 Yes
66	4	59.339	7548.533	11363.17	2	0	0 Yes
23	4	54.29218	6635.239	7812.056	1	0	1 No
58	5	64.49621	7825.593	19437.97	2	0	1 Yes
65	5	67.08108	7685.419	21154.44	0	0	0 Yes
34	5	62.87632	7007.636	5927.869	1	1	1 Yes
54	4	50.57108	6330.34	17735.89	0	1	0 No
77	3	51.47217	6571.04	25088.73	0	0	1 No
39	5	54.88527	7242.764	13405.4	2	0	0 No
62	5	54.4613	7533.4	12008.8	2	1	2 Yes
55	5	59.55174	7476.424	9617.497	2	0	0 Yes
64	5	70.65853	7842.763	21069.19	1	0	1 Yes
79	4	53.22106	6363.2	13102.52	0	1	1 No
59	8	64.58266	7887.519	19672.52	0	0	2 Yes
56	5	70.58992	8476.926	10501.73	2	1	1 Yes
56	7	60.1541	7864.071	10767.94	2	1	2 Yes
79	5	71.23315	8405.268	13481.8	1	1	2 Yes
62	5	47.22447	6622.992	10774.43	2	0	1 No
33	7	46.32702	5928.98	5912.029	1	1	0 No
89	5	59.8253	6917.991	14811.06	0	1	1 Yes
23	5	65.47355	8447.089	5540.716	2	1	2 Yes
68	4	68.8985	8744.628	23047.37	2	0	2 Yes
40	6	63.15911	7749.506	7889.19	2	1	0 Yes
71	6	68.38699	8616.48	23621.82	2	0	1 Yes
78	4	69.56186	8979.087	26342.34	2	0	2 Yes
87	6	37.87813	6222.357	15352.94	2	0	2 No

59	6	37.55862	5104.418	9796.905	1	0	1 No
37	6	53.2236	7055.326	6712.224	2	0	1 Yes
44	5	71.2877	8368.391	14862.04	0	0	2 Yes
46	5	63.15953	7236.248	7717.606	0	0	0 Yes
63	5	58.90601	7256.161	10890.46	0	0	2 Yes
77	5	66.39305	7639.954	25020.6	0	0	1 Yes
53	5	41.44445	6562.884	9705.199	2	0	2 No
67	7	46.53623	6961.244	22716.78	2	0	2 No
77	7	39.88594	6323.312	26097.31	2	0	2 No
73	7	53.97779	7134.997	24152.5	2	0	1 Yes
80	6	38.15826	6053.836	14621.89	2	1	2 No
33	6	54.99995	7505.758	6445.354	2	0	2 Yes
42	4	60.97149	7316.443	13929	0	0	0 Yes
22	7	65.84547	7568.652	7372.82	0	0	0 Yes
36	5	56.45768	7883.32	12833.07	2	0	2 Yes
27	6	66.49351	8408.974	5509.374	2	0	2 Yes
88	5	49.54333	6585.803	29073.17	0	0	2 No
46	6	66.4472	7983.809	8131.1	2	0	0 Yes
25	5	65.04403	8002.112	8682.25	2	0	0 Yes
33	5	67.92241	8175.793	11448.46	1	0	2 Yes
63	6	60.52428	7979.548	11311.01	2	0	2 Yes
78	4	62.86709	7893.803	13280.08	2	0	0 Yes
59	4	65.03096	8367.149	20199.08	2	0	2 Yes
83	5	68.61871	8162.482	27536.86	2	0	1 Yes
57	3	50.84872	6694.793	10084.33	2	0	1 No
27	5	64.42902	8386.968	5642.894	2	0	2 Yes
27	6	63.16625	7712.909	5174.54	2	0	1 Yes
63	5	63.5229	7648.142	11068.53	2	0	1 Yes
78	6	60.07562	7876.874	26170.98	2	0	2 Yes
52	6	68.26287	7800.137	16884.48	1	0	0 Yes
45	7	61.83098	7102.087	7694.261	1	1	1 Yes
89	6	58.55063	7909.985	29776.14	2	0	2 Yes
41	4	49.18455	6039.432	6919.615	1	1	0 Yes
53	5	69.35801	7599.313	9037.201	0	1	1 Yes
64	5	71.28248	8441.042	11229.11	2	0	1 Yes
65	6	57.2705	7815.322	22325.81	2	0	2 Yes
46	5	62.26154	7555.031	15509.12	1	0	2 Yes
62	5	67.26012	8125.621	10935.45	2	0	1 Yes
25	4	70.45258	8328.268	8839.766	2	0	0 Yes
69	6	39.74126	5344.584	22391.04	1	0	0 No
77	3	54.54273	6523.237	24988.83	0	1	0 No
25	5	71.16622	8942.778	9279.415	2	0	2 Yes
83	6	58.46975	7866.238	14515.58	2	0	2 Yes
34	6	53.00171	6344.259	5843.947	0	0	1 Yes
74	7	69.77568	8253.343	24586.23	0	0	2 Yes
21	4	70.40206	7844.308	3860.764	1	1	1 Yes
42	5	71.68048	8132.874	13848.8	1	0	1 Yes

36	5	41.6966	6052.372	12472.45	1	1	2 No
64	6	44.54371	6089.776	10973.34	2	0	0 No
88	5	69.68718	8370.907	14855.1	2	0	0 Yes
85	5	68.54777	8787.841	28628.3	2	0	2 Yes
51	4	53.08549	6598.33	16946.96	0	0	1 No
52	6	56.21251	7239.191	9794.561	2	1	1 Yes
48	4	69.67952	7762.544	15767.09	1	0	1 Yes
70	6	61.04299	7650.65	23407.92	1	0	2 Yes
31	4	67.29057	7822.107	10486.95	0	0	1 Yes
84	6	51.17016	6838.14	14089.33	2	0	0 No
83	4	70.79613	8502.144	28142.4	2	1	1 Yes
53	7	63.52799	7653.663	9335.836	0	0	2 Yes
42	4	65.13121	7610.863	13999.76	1	0	1 Yes
72	5	71.42603	8377.6	12896.39	2	1	1 Yes
83	6	64.88132	7816.776	14033.56	2	0	1 Yes
83	4	63.31165	7373.374	26976.23	1	0	1 Yes
71	4	66.90333	7595.651	23163.88	0	0	1 Yes
35	7	38.61707	5565.011	6416.228	0	1	2 No
83	6	55.09553	6517.249	13722.8	1	0	1 No
76	8	56.98286	7257.992	13686.4	2	1	1 Yes
21	4	66.25735	7476.883	3559.223	0	0	0 Yes
27	6	68.57378	8658.409	9899.221	2	0	2 Yes
88	6	50.96434	6479.114	14671.2	0	1	1 No
57	6	71.59556	8055.325	18558.28	0	0	0 Yes
34	4	71.86317	8805.601	6756.893	2	0	2 Yes
45	7	48.06191	6267.85	8018.76	1	1	2 No
79	7	50.16381	6587.23	13542.04	0	0	2 No
31	5	65.68128	8454.807	6175.693	2	0	2 Yes
75	6	60.04438	7927.032	13152.42	2	0	2 Yes
57	5	58.9206	7232.791	10144.1	1	1	2 Yes
72	5	67.66251	8457.255	12752.96	2	0	2 Yes
74	5	69.12131	7639.598	12381.9	0	1	1 Yes
43	4	65.35854	7525.043	7470.92	1	0	1 Yes
45	3	59.00181	7250.815	8296.135	0	1	2 Yes
23	5	71.49173	8396.478	8256.183	0	0	2 Yes
79	5	62.53139	8209.726	27117.18	2	1	2 Yes
62	5	60.87542	7915.231	11872.01	2	1	2 Yes
62	6	69.93357	7802.669	10244.58	0	0	1 Yes
70	5	64.70014	7908.215	11895.97	2	0	0 Yes
43	5	60.83896	7191.839	14251.35	1	0	1 Yes
26	5	53.90357	6538.422	8776.118	1	0	1 No
40	5	67.7259	8203.525	7942.504	2	1	1 Yes
46	4	59.40914	6895.546	15212.13	0	0	1 Yes
76	6	47.15247	6562.55	25209.47	2	0	1 No
29	5	69.61223	7949.243	9736.902	1	0	1 Yes
25	5	64.3937	7691.188	4839.565	1	0	2 Yes
70	5	69.58924	8278.217	12189.17	1	0	2 Yes

70	6	54.00586	6632.849	22683.79	1	0	0 Yes
25	5	65.42126	7921.178	4871.986	1	1	2 Yes
35	6	59.94076	7406.218	6383.807	0	0	2 Yes
64	6	60.44822	7468.16	11256.62	2	0	1 Yes
34	4	62.64222	7281.403	5922.511	0	1	0 Yes
26	6	67.08673	7919.793	5109.938	0	0	2 Yes
19	6	58.81153	6993.733	6523.954	0	0	1 Yes
47	5	65.13109	7935.65	8283.426	2	0	1 Yes
36	5	54.57367	6498.595	6213.332	0	0	1 No
66	4	44.0464	6014.032	11451.21	0	0	2 No
28	7	58.05661	6841.593	4887.563	0	0	1 Yes
68	5	54.25348	7131.153	22856.08	2	0	1 Yes
27	4	55.52632	6744.238	9381.318	1	1	1 Yes
83	5	39.33898	6329.785	14525.59	2	0	2 No
58	3	66.12947	7539.442	9872.533	0	0	1 Yes
54	4	50.98082	6752.102	9501.047	2	0	0 No
61	7	57.07363	7202.564	10613.85	2	0	1 Yes
80	3	70.75827	7886.05	26033.77	1	0	0 Yes
72	8	69.983	7748.007	11846.13	1	1	0 Yes
18	5	62.73776	7755.069	4164.641	2	1	0 Yes
57	4	69.30629	7594.174	9394.923	0	0	0 Yes
86	6	64.97144	7871.064	28350.36	1	0	2 Yes
42	6	65.73745	8058.929	14860.73	2	1	1 Yes
22	4	57.82734	7218.58	7853.788	2	0	1 Yes
47	4	61.37958	7162.354	8013.787	0	0	1 Yes
26	5	67.3556	8224.926	9118.861	2	0	0 Yes
18	6	65.35073	8040.437	6812.23	2	0	1 Yes
87	4	54.33758	6546.806	14191.64	1	0	0 No
86	5	54.22027	7699.991	29536.93	2	1	2 Yes
41	7	64.08192	7825.119	7362.258	2	0	0 Yes
22	4	62.96487	7500.336	4440.108	0	0	2 Yes
78	5	48.36333	6416.91	13323.01	2	0	1 No
88	6	49.22779	6890.325	15400.77	2	0	2 No
87	5	49.56678	6662.673	14953.26	2	0	1 No
54	6	68.15438	8191.248	9897.838	2	1	0 Yes
73	6	57.44725	6809.997	23829.6	0	0	0 Yes
51	6	51.73779	6713.87	8891.535	0	0	2 No
74	7	61.63685	7078.08	24124.67	1	0	1 Yes
61	4	64.33547	7187.777	10258.64	0	0	1 Yes
46	6	68.39872	8032.133	8211.92	2	0	1 Yes
57	5	62.96488	7162.046	9660.764	1	0	1 Yes
76	5	46.7859	6445.499	25202.68	2	0	1 No
73	7	66.80025	8400.767	13012.45	2	0	2 Yes
35	6	64.98906	8294.093	12612.27	2	0	2 Yes
21	7	66.3471	7889.494	4706.755	2	1	1 Yes
68	6	48.49945	6599.099	22600.62	2	0	0 No
60	7	59.05716	7919.917	10894.11	2	0	2 Yes



86	5	51.28389	6850.711	14454.93	2	0	0 No
62	6	44.1245	6664.385	11174.16	2	0	2 No
57	4	62.39018	7722.494	19186.23	0	0	2 Yes
31	4	45.66575	6655.788	6172.415	2	0	2 No
65	5	70.5831	9077.388	22158.54	2	0	2 Yes
23	3	45.29466	6331.666	8237.102	1	1	2 No
41	6	65.82157	8589.995	14403.6	2	0	2 Yes
87	6	64.34172	7957.762	28670.77	2	0	1 Yes
33	6	59.81321	7818.253	6565.528	2	0	2 Yes
80	5	66.37901	7354.319	13220.61	0	0	1 Yes
32	5	58.74913	7347.727	5933	2	0	1 Yes
52	5	43.87885	6202.463	17571.27	0	0	2 No
56	5	66.23505	8140.758	18906.98	2	0	1 Yes
77	6	57.39696	6816.719	25038.69	0	0	0 Yes
40	3	52.54075	6220.442	6858.935	1	0	1 No
61	6	62.01976	7424.375	20053.94	0	0	1 Yes
23	6	61.2817	7549.489	8232.187	0	0	2 Yes
59	4	49.32256	5897.07	9902.429	1	1	0 No
85	5	58.13937	7186.665	14348.01	1	0	2 Yes
37	6	58.13632	7810.318	7238.323	2	0	2 Yes
78	5	52.44397	6879.406	13261.44	2	0	1 No
33	4	65.22844	7726.181	11489.58	0	0	2 Yes
54	6	56.77226	6654.636	9221.51	0	1	1 Yes
33	5	58.65465	6860.159	11141.09	0	0	1 Yes
68	7	59.87487	7944.671	23026.66	2	0	2 Yes
52	6	63.88447	7774.124	17512.98	0	0	2 Yes
81	5	61.19824	7574.673	13791.41	2	0	1 Yes
21	6	71.58083	8185.749	7402.322	0	1	1 Yes
41	6	62.14831	8143.221	14950.53	2	1	2 Yes
64	3	71.63337	7995.558	20789.73	0	0	0 Yes
37	4	64.652	8172.939	7084.4	2	0	2 Yes
28	5	64.60303	7793.974	5861.607	2	1	1 Yes
71	6	67.20453	7996.704	12382.17	1	1	2 Yes
64	6	61.87054	7458.98	11071.44	1	0	2 Yes
33	5	66.00293	7533.243	10979.62	1	1	0 Yes
81	5	42.57416	6028.447	27433.21	2	1	1 No
44	6	63.55408	7135.121	7562.829	1	0	1 Yes
34	5	52.41347	6734.606	6152.076	2	0	0 No
63	6	62.06515	7560.072	10962.36	1	0	2 Yes
68	4	69.16551	8275.067	11768.7	2	0	1 Yes
72	6	42.75539	6110.109	12349.45	2	0	1 No
76	5	66.12804	8438.709	13312.45	2	0	2 Yes
27	5	63.01677	8124.098	5543.437	2	0	2 Yes
36	5	55.39341	7538.065	7666.112	2	1	2 No
29	5	67.11519	8559.041	10591.24	2	0	2 Yes
31	3	68.60627	8248.936	10808.09	2	0	1 Yes
36	6	69.21279	7747.83	6012.385	0	0	0 Yes

28	6	48.38237	6527.821	5273.551	2	0	1 No
85	4	69.19625	7843.208	27762.25	0	1	1 Yes
52	4	69.63728	8798.199	9650.318	2	0	2 Yes
85	5	48.53027	6929.973	28525.88	2	0	2 No
36	6	57.68717	7227.303	6640.173	2	0	1 Yes
45	4	61.2837	7964.275	8499.29	2	0	2 Yes
87	6	68.67255	7857.167	14378.3	0	1	0 Yes
70	4	54.17615	6624.831	22816.11	1	0	1 No
57	5	64.91543	7985.092	9913.312	0	0	2 Yes
78	5	54.41779	6614.928	12715.62	0	0	0 No
70	3	55.27109	6628.434	22908.47	0	0	1 No
21	4	70.49238	8387.957	7800.52	2	0	1 Yes
25	5	68.91766	7831.75	8234.693	0	0	0 Yes
61	6	56.08398	6682.927	10227.1	1	1	0 Yes
20	5	64.89898	7379.682	6729.019	1	0	0 Yes
89	5	71.02304	8516.584	29295.32	2	0	0 Yes
57	5	65.33053	7407.166	18859.78	0	1	1 Yes
21	4	65.49196	7393.216	3614.003	1	0	0 Yes
58	5	58.43543	7894.507	10429.1	2	0	2 Yes
69	4	68.99328	8255.594	22947.08	1	0	2 Yes
49	4	66.94897	7728.211	8345.331	1	0	1 Yes
65	6	64.75435	8365.599	22151.44	2	0	2 Yes
58	7	49.1569	6612.597	10323.6	2	0	1 No
28	5	66.71977	7834.883	5790.856	2	1	0 Yes
20	6	61.03324	7002.345	3585.743	0	0	1 Yes
56	4	58.01384	7741.408	10231.07	2	0	2 Yes
89	5	69.64489	8146.512	15110.12	2	0	1 Yes
50	7	59.44732	7311.426	8730.954	1	0	2 Yes
40	3	63.70632	8014.31	13592.18	2	0	0 Yes
40	5	61.38272	7491.567	7190.143	2	0	1 Yes
47	4	69.69011	8078.267	8924.182	2	1	0 Yes
71	5	67.21015	7422.421	11775.38	0	0	1 Yes
82	4	53.2478	7061.02	26971.21	2	0	0 Yes
66	6	59.94264	6879.58	21515.82	1	0	0 Yes
65	5	60.63543	7391.186	11139.67	0	0	2 Yes
61	5	50.54753	6799.219	10634.3	2	0	1 No
59	5	53.72818	6877.927	10237.75	0	0	2 No
22	6	59.83743	6818.316	3879.632	0	0	1 Yes
36	4	59.12349	6884.411	11975.45	0	0	1 Yes
70	5	70.91112	8384.689	12059.08	2	0	1 Yes
33	4	55.26429	7372.041	12123.12	2	1	0 Yes
44	6	59.14923	7566.61	14736.43	2	0	0 Yes
65	5	64.80876	7920.667	21775.83	0	0	2 Yes
19	6	59.88944	7448.125	7506.254	2	1	0 Yes
84	4	66.48673	8142.363	27713.27	2	0	1 Yes
49	4	43.7669	5526.997	8156.481	0	0	1 No
31	5	71.48368	8701.023	10770.2	2	0	1 Yes

62	6	65.11352	7336.741	10494.14	1	0	1 Yes
29	7	61.40229	7518.998	5389.535	0	0	2 Yes
72	4	47.37894	6995.984	24444.5	2	0	2 No
83	5	53.95104	6972.915	27260.68	2	0	0 No
38	3	50.5292	6564.005	6928.755	0	1	2 No
67	6	41.12	6357.101	22822.74	2	0	2 No
31	6	64.27568	7620.937	5792.984	0	0	2 Yes
24	6	57.20726	7695.465	5718.422	2	1	2 Yes
89	5	51.78329	6410.365	14665.84	0	0	1 No
85	6	70.5054	8523.164	14508.96	2	0	1 Yes
48	4	70.76299	7971.583	15662.27	1	0	0 Yes
51	5	69.20263	7585.68	8512.256	0	0	1 Yes
53	5	65.31818	8338.941	9739.262	2	0	2 Yes
83	3	69.11341	8163.545	14122.64	2	0	1 Yes
84	5	67.91987	8604.829	28120.05	2	0	2 Yes
76	5	57.95808	7441.9	12991.78	2	0	1 Yes
74	5	50.77766	6744.78	12739.14	0	0	2 No
31	5	70.24066	8268.204	5806.483	2	0	1 Yes
46	5	58.78346	7352.664	15601.48	0	0	2 Yes
60	5	53.41239	7082.449	19987.03	2	0	0 No
46	6	71.81895	8058.106	15306.12	0	1	1 Yes
43	5	61.78795	7749.479	15294.06	2	1	1 Yes
21	5	69.92013	8461.493	7687.45	2	0	1 Yes
29	4	44.33166	6352.49	10242.75	2	0	1 No
63	5	56.05805	6956.446	10849.29	0	0	2 No
66	5	55.21766	7818.376	22461.36	2	0	2 Yes
24	5	71.25705	8424.404	4679.136	2	0	1 Yes
27	3	69.48847	7795.885	4819.336	0	0	1 Yes
72	7	70.92624	8273.542	12356.24	2	0	1 Yes
70	6	69.31575	7862.527	11748.32	0	0	1 Yes
48	5	57.90601	7013.527	15987.81	0	1	1 Yes
30	6	45.42536	6126.12	5714.421	1	0	2 No
67	6	68.60178	8231.459	22477.92	1	0	2 Yes
55	4	65.36377	7844.037	9429.196	2	0	0 Yes
39	4	64.79503	7464.248	6646.852	1	0	1 Yes
46	5	71.45671	8560.219	8205.131	2	0	1 Yes
20	5	52.13276	6861.554	4101.973	2	0	1 No
35	4	48.06396	6609.157	6220.853	2	0	0 No
57	5	44.70184	6355.943	19025.44	0	0	2 No
84	5	56.73869	6703.169	27378.78	1	0	1 Yes
54	5	50.23518	6128.945	9057.205	1	1	1 No
70	5	44.43244	5909.879	12083.15	1	0	2 No
58	5	54.46154	7630.836	10528.55	2	0	2 Yes
67	6	49.02191	6129.585	22070.82	1	0	1 No
59	4	67.04752	7765.531	19354.81	1	0	1 Yes
79	5	69.48768	8305.634	26854.25	2	1	1 Yes
46	6	57.76015	6820.728	7781.302	0	0	1 Yes

82	2	51.04501	6948.309	14016.84	2	0	1 No
19	4	63.17452	7253.969	3476.397	1	0	1 Yes
35	5	61.36375	7115.541	6114.32	1	0	1 Yes
46	4	67.26628	8491.595	15919.34	2	0	2 Yes
22	6	67.89879	8895.983	8390.582	2	0	2 Yes
35	6	67.36329	8160.284	11929.31	2	0	0 Yes
18	5	60.54433	7375.779	3684.713	1	0	2 Yes
50	5	38.54237	5563.043	8912.697	1	0	2 No
79	5	48.71208	6031.322	25780.75	0	0	1 No
61	3	67.66065	8264.085	20347.26	2	0	1 Yes
88	7	70.16463	8301.421	28923.56	2	0	0 Yes
18	6	66.7839	8673	7855.34	2	1	2 Yes
70	5	69.19982	7597.721	11594.08	1	0	1 Yes
77	5	58.74798	7011.466	25079.86	1	0	0 Yes
70	4	68.59119	8307.381	23411.35	2	0	1 Yes
75	4	57.84619	6825.252	12582.01	1	0	1 Yes
55	5	60.07352	7349.54	9615.828	0	0	2 Yes
45	4	67.90822	8050.211	8081.972	0	0	2 Yes
72	5	44.71959	5665.707	11935.96	0	0	1 No
47	6	42.44576	5611.927	7952.218	1	0	1 No
27	4	69.4378	8325.008	4980.649	2	0	0 Yes
31	4	40.3386	5273.267	10370.87	0	0	1 No
45	5	63.20053	7763.301	7922.297	2	0	0 Yes
65	6	47.33733	6662.844	21673.25	2	0	1 No
44	6	67.53396	8212.363	7938.981	2	0	1 Yes
23	7	64.65548	8311.534	4942.279	2	0	2 Yes
27	4	38.62877	5665.279	5119.875	1	0	2 No
41	6	70.37931	8548.232	8328.441	2	1	2 Yes
35	5	66.661	8111.584	12143.92	2	0	1 Yes
63	6	52.14783	6189.147	10500.8	0	0	1 No
51	8	47.64982	6883.296	17551.43	2	0	2 No
85	4	66.64496	8572.249	28443.59	2	0	2 Yes
55	6	53.4592	7040.768	18477.19	2	0	1 No
27	5	67.69056	7950.482	5294.247	1	0	2 Yes
72	6	46.05413	6466.747	24012.19	0	1	2 No
89	6	61.73336	7252.83	28951.82	0	1	0 Yes
24	5	57.92947	6954.41	8114.879	0	0	1 Yes
75	5	54.39335	6871.781	12738.37	0	0	2 No
50	5	57.52666	7067.937	8854.093	1	0	2 Yes
82	4	46.2656	6024.684	13746.93	1	0	1 No
52	4	68.02572	7781.607	17017.35	1	0	1 Yes
51	6	60.4353	7126.323	16647.05	0	0	0 Yes
30	4	69.36144	8963.124	11168.17	2	0	2 Yes
42	5	71.45485	7894.816	14143.3	0	0	1 Yes
19	5	59.8053	6909.674	3241.34	0	0	0 Yes
77	5	45.91194	5774.708	12986.78	1	1	1 No
62	4	70.31385	7848.893	10275.37	1	0	1 Yes

35	5	61.52855	7409.526	6460.341	2	0	0 Yes
71	5	51.47782	6294.598	11878.12	1	0	1 No
22	6	69.76782	8510.976	7899.931	2	0	0 Yes
59	3	56.83157	7204.101	19816.37	1	0	2 Yes
82	6	64.04392	7429.881	26864.67	0	0	1 Yes
56	4	66.81798	8641.936	10354.21	2	0	2 Yes
45	5	49.12044	6200.568	14929.76	0	0	1 No
32	5	68.78815	8371.086	5783.555	2	0	0 Yes
56	4	71.36525	8096.134	18431.91	0	0	1 Yes
87	4	59.06955	7776.106	15147.52	2	0	2 Yes
75	4	63.8534	7335.803	24486.09	1	0	1 Yes
68	7	62.47886	7830.656	22619.87	2	0	1 Yes
47	5	56.46686	7726.69	8940.08	2	0	2 Yes
56	6	57.56876	6880.533	18370.34	0	0	1 Yes
35	7	58.32652	6867.135	6278.625	1	0	1 Yes
59	4	70.77765	7907.109	9762.842	1	0	1 Yes
20	6	51.50934	6588.573	3916.952	2	0	1 No
35	7	71.81488	8503.452	6272.354	2	0	0 Yes
69	5	62.93422	7084.331	11380.19	1	0	0 Yes
60	6	66.1137	7407.783	9897.116	1	0	0 Yes
67	6	51.36692	7163.302	22761.17	2	0	2 No
74	5	63.59012	7820.071	12889.78	0	0	2 Yes
62	6	56.60734	7637.532	11153.71	2	0	2 Yes
63	7	50.92687	6517.222	11061.82	1	0	2 No
79	6	70.04881	8279.217	26136.04	0	0	2 Yes
81	6	64.2128	7375.195	26175.88	1	0	0 Yes
48	5	64.89899	7456.953	15828.11	0	0	1 Yes
44	4	69.86385	8343.589	8013.897	2	0	1 Yes
41	6	70.26427	8279.883	8031.448	2	1	1 Yes
36	4	57.84888	6938.962	11873.92	0	0	0 Yes
65	6	59.60896	7458.552	21594.24	2	0	1 Yes
33	5	44.40338	5554.584	5665.751	1	1	0 No
36	5	63.74436	7711.346	6510.477	2	0	1 Yes
60	5	62.45063	7219.963	19767.74	0	0	1 Yes
52	6	54.141	7119.127	9839.006	2	1	1 Yes
53	6	55.82996	6854.331	17587.16	1	0	1 No
31	6	57.52403	6902.334	10532.55	0	0	0 Yes
83	5	60.75482	7566.158	14765.52	2	1	1 Yes
57	5	50.15165	6792.248	10009.41	2	0	1 No
54	6	55.85877	6945.991	17864.49	0	0	0 Yes
44	5	46.79173	5968.026	7388.189	1	0	1 No
85	4	41.45718	5786.353	14495.15	1	0	2 No
76	5	60.07183	7695.437	25336.2	2	0	1 Yes
24	3	64.02126	7760.468	4481.967	2	0	0 Yes
57	6	68.10594	7581.866	9391.644	0	0	0 Yes
86	6	59.69288	7132.304	14278.09	0	1	1 Yes
80	5	63.5696	7721.147	13627.39	1	0	2 Yes

84	6	54.41444	6460.082	13903.79	1	0	1 No
85	3	53.5181	7095.264	28117.01	2	0	0 Yes
75	4	52.57552	7099.024	24698.59	2	0	0 No
35	4	67.94943	8495.829	6824.807	2	0	2 Yes
80	4	65.44541	7882.723	13669.33	0	1	2 Yes
71	5	53.84068	6926.752	12206.04	2	0	1 No
41	6	68.6938	8180.905	14711.83	2	1	1 Yes
47	6	67.80575	7543.174	8013.787	1	0	1 Yes
30	5	67.58951	8075.341	5582.252	2	0	0 Yes
72	4	62.22375	7712.952	12313.31	2	0	0 Yes
34	6	69.56736	7847.345	11461.35	1	0	1 Yes
57	5	50.14147	6873.375	9726.131	2	0	0 No
70	3	64.33396	8258.296	12568.28	2	0	2 Yes
85	4	61.19142	7927.928	14795.57	2	0	2 Yes
37	7	37.36577	5747.41	12743.27	2	0	1 No
35	4	71.60886	8540.02	12017.18	2	0	1 Yes
57	3	68.51882	8101.142	9968.092	0	0	2 Yes
83	4	68.58353	7606.904	13743.21	1	0	1 Yes
31	3	56.84517	6660.611	5547.225	1	0	1 Yes
47	5	57.41707	7241.833	8355.377	2	0	1 Yes
49	7	39.2656	5754.541	9228.452	2	1	0 No
53	5	54.83367	7488.707	9626.191	2	0	2 Yes
56	5	55.21243	7164.669	19526.13	2	1	1 Yes
74	5	62.38697	7763.446	25182.19	2	1	0 Yes
74	6	64.94283	7236.641	12526.64	0	1	0 Yes
89	5	69.79336	8572.171	15547.69	2	0	2 Yes
61	5	57.8621	6960.254	10267.07	0	1	1 Yes
21	5	64.05165	7920.799	7567.59	2	0	1 Yes
68	4	60.41152	7802.638	23055.2	2	1	0 Yes
57	6	59.53192	7245.926	9885.958	2	0	1 Yes
26	6	45.69407	6253.94	4877.007	0	0	2 No
40	5	71.72458	8044.311	6824.871	0	0	1 Yes
85	5	61.17341	7795.641	28115.81	2	0	1 Yes
45	3	45.05979	6384.372	15219.65	0	0	2 No
28	5	62.86068	7066.936	5113.391	1	0	1 Yes
19	5	70.65757	7912.109	6534.289	1	0	1 Yes
70	6	60.46088	7528.419	12719.08	2	1	1 Yes
54	6	57.28875	7244.875	9499.692	0	0	2 Yes
36	5	67.34393	8703.365	12799.01	2	0	2 Yes
62	5	70.32542	8314.596	20565.98	2	0	0 Yes
40	4	69.47511	8176.072	7268.998	1	0	2 Yes
26	3	55.62233	7142.36	4873.881	2	0	1 Yes
78	6	59.60095	7837.981	26909.99	2	1	2 Yes
44	6	71.92647	8516.817	8581.863	2	1	1 Yes
76	6	58.0509	7430.719	13043.01	2	0	1 Yes
43	4	66.08832	8149.806	14570.41	2	0	0 Yes
33	7	67.23875	8296.775	11381.14	2	0	0 Yes

60	3	69.90842	8717.384	10849.72	2	0	2 Yes
72	4	67.59126	8585.779	24341.76	2	0	2 Yes
60	5	58.19838	7354.404	11082.49	2	1	1 Yes
72	7	61.19589	7440.536	12263.74	0	0	2 Yes
28	6	38.85665	6296.303	10157.91	2	0	2 No
23	4	65.23277	7200.718	4015.985	0	0	1 Yes
34	5	62.56754	7494.658	6238.191	2	0	0 Yes
66	5	61.67653	7056.481	11075.21	1	0	1 Yes
56	5	55.98689	6726.714	18352.42	1	1	0 Yes
40	6	71.05456	7762.889	6889.719	1	0	1 Yes
82	5	69.91744	7850.563	26621.91	1	0	1 Yes
48	2	64.70428	7450.296	8264.643	0	0	0 Yes
57	7	59.753	7762.681	10350.8	2	0	2 Yes
89	4	66.56992	7456.977	14561.02	1	0	0 Yes
41	3	71.88339	8560.87	7844.347	2	1	0 Yes
47	5	58.29641	7301.788	8151.105	2	0	0 Yes
60	4	55.18824	7375.46	10894.11	2	0	2 No
77	4	71.17185	8236.632	13217.6	0	0	2 Yes
56	7	46.08459	6822.825	10107.93	2	0	2 No
37	6	64.45518	7137.004	6388.896	0	1	1 Yes
87	6	71.29941	8468.179	29299.99	2	1	1 Yes
53	5	60.99437	7910.881	9718.546	2	0	2 Yes
88	3	60.33064	7551.089	14796.5	2	0	0 Yes
81	4	46.43983	6259.303	14433.98	2	1	1 No
78	5	71.40695	7971.867	12899.45	1	0	1 Yes
72	5	65.3944	7619.234	23576.81	1	0	1 Yes
61	5	62.37759	8027.472	11157.43	2	0	2 Yes
29	5	54.64963	6578.413	9736.902	1	0	1 No
86	6	57.82472	7591.487	15007.65	2	0	2 Yes
61	5	57.54609	6841.277	19985.26	0	0	1 Yes
50	7	59.0339	7378.024	16692.06	2	0	0 Yes
20	4	64.8062	8236.41	4351.243	2	0	2 Yes
59	7	58.45543	7777.528	20165.02	2	0	2 Yes
33	5	71.19386	8398.95	11309.19	2	0	0 Yes
53	5	53.15915	6444.017	17453.96	1	0	1 No
51	5	67.12501	8096.961	8957.734	2	0	0 Yes
81	4	62.36996	7644.41	13662.36	2	0	0 Yes
23	6	64.67822	7384.153	4428.204	1	1	1 Yes
62	6	56.27978	6979.453	10836	2	0	1 Yes
63	5	64.62545	8001.224	20906.96	2	0	0 Yes
38	3	54.77852	6911.284	6803.981	0	0	2 No
72	4	64.31613	7539.105	12573.22	1	1	2 Yes
58	6	69.49657	8819.166	19762.47	2	0	2 Yes
81	5	67.69955	7549.995	13511.43	1	0	1 Yes
53	6	60.9072	7777.08	18000.97	2	0	1 Yes
19	8	57.59461	6660.978	3467.651	1	1	1 Yes
39	6	57.897	7360.072	13424.96	2	0	1 Yes

54	5	59.75228	6912.976	8933.629	0	0	0 Yes
45	4	50.13321	6629.486	7993.049	2	0	1 No
61	3	69.40494	8347.328	20358.79	2	0	0 Yes
66	5	69.00606	7702.105	11074.9	0	0	1 Yes
70	6	66.58768	7978.631	11810.41	2	0	0 Yes
64	5	62.93473	7824.142	11074.87	2	0	1 Yes
82	6	49.43859	6835.016	27185.81	2	0	1 No
77	3	57.74032	7146.993	13252.99	0	1	2 Yes
31	6	66.77703	8765.526	11334.5	2	0	2 Yes
59	4	64.53399	8642.318	20893.7	2	1	2 Yes
21	5	39.71703	5412.905	3746.325	1	0	1 No
40	7	55.06674	7354.134	8376.795	2	1	2 Yes
43	4	71.22929	8252.25	7689.172	0	0	2 Yes
49	5	71.08882	8036.085	16215.4	0	1	1 Yes
55	5	51.35477	6745.101	9609.241	2	0	1 No
69	3	65.58508	7968.431	12113.99	2	0	1 Yes
75	3	69.56952	7716.411	12336.62	1	0	0 Yes
61	6	69.27725	7944.804	20012.77	0	0	1 Yes
61	4	54.56078	7535.68	20849.67	2	0	2 Yes
71	5	68.67721	7667.222	23230.37	1	1	1 Yes
52	5	63.67958	7816.048	17427.41	1	0	2 Yes
33	6	60.68838	8001.385	11827.89	2	0	2 Yes
38	5	55.64578	7118.13	6875.932	1	0	2 Yes
56	5	63.57862	7761.778	19464.25	2	1	1 Yes
31	5	53.93661	7507.998	6192.864	2	0	2 Yes
55	4	68.25181	7734.294	9230.309	0	0	1 Yes
46	5	64.37108	7388.231	15311.27	0	0	1 Yes
26	7	45.15655	6947.386	10403.27	2	1	2 No
60	5	68.11516	8343.12	20048.91	2	0	0 Yes
78	5	49.61593	6178.257	25547.92	0	1	1 No
66	6	68.88012	7751.629	11027.49	0	0	1 Yes
73	5	49.60209	6578.323	24156.18	1	0	2 No
21	6	61.59946	7567.594	4156.388	0	0	2 Yes
75	6	54.62831	6919.338	12992.22	2	0	1 Yes
33	6	70.36272	8545.783	6155.464	2	0	1 Yes
70	5	64.36076	7748.169	12021.58	0	0	2 Yes
80	6	71.82067	8571.538	26428.94	2	0	1 Yes
27	3	44.69612	6162.845	5052.554	2	0	0 No
50	5	71.90694	7953.899	16410.89	1	0	1 Yes
54	3	64.56033	8475.282	18577.06	2	0	2 Yes
48	4	60.87019	7526.842	8505.577	2	0	1 Yes
58	5	68.49715	7740.867	19007.59	0	0	1 Yes
55	3	57.16706	7257.562	9435.754	2	0	0 Yes
50	5	64.92924	7921.439	8783.806	2	0	0 Yes
65	5	58.29428	7543.982	21696.82	0	0	2 Yes
68	3	55.4536	6743.599	22321.08	1	1	1 Yes
62	5	64.30143	7769.262	10669.61	2	0	0 Yes



32	4	53.43821	7385.736	6343.064	2	0	2 No
27	4	67.29044	7527.384	4740.596	0	0	1 Yes
74	6	43.44187	6173.336	24841.25	1	1	2 No
30	4	71.64793	7955.236	5239.51	0	0	1 Yes
44	8	70.40621	8550.436	8304.1	2	0	2 Yes
31	5	48.27729	6084.096	10347.84	1	0	0 No
25	7	69.11918	8164.018	4860.434	2	0	1 Yes
58	5	70.28757	8416.676	10068.46	2	0	0 Yes
29	6	69.68792	8335.236	10156.64	2	0	1 Yes
34	6	70.05654	8281.195	11748.42	2	0	1 Yes
80	4	58.28379	7276.189	13548.54	2	0	1 Yes
82	4	53.35697	6802.453	14331.63	1	0	2 No
79	5	51.53406	7100.705	25976.36	2	0	0 No
76	4	41.56318	6610.191	25622.81	2	0	2 No
23	5	49.1764	6704.761	8389.703	0	0	2 No
46	4	58.8184	6933.189	15018.47	1	0	0 Yes
75	5	67.66932	8547.179	13952.5	2	1	2 Yes
32	6	68.19704	7515.555	5832.267	0	1	1 Yes
30	5	50.49738	6223.107	5079.683	0	0	0 No
34	6	62.81002	7061.884	5751.593	0	0	1 Yes
78	7	53.40957	6565.204	25539.23	0	0	1 No
66	4	56.72716	7346.179	22000.06	2	0	1 Yes
79	6	46.9943	6303.767	13473.52	2	0	1 No
66	7	68.22117	8578.233	12062.76	2	0	2 Yes
65	6	63.15087	7754.393	11259.53	0	0	2 Yes
68	4	53.52622	6886.364	11605.59	2	0	0 No
79	4	60.07513	7422.547	13564.08	1	1	2 Yes
88	4	63.92351	7266.345	28632.32	1	0	1 Yes
41	4	62.12525	8173.638	8400.391	2	1	2 Yes
41	5	63.2116	7214.244	6906.445	0	0	1 Yes
87	5	46.65049	6750.639	15202.53	2	0	2 No
33	3	50.98072	6265.521	10958.9	1	1	0 No
42	6	71.0628	7876.856	13818.01	1	0	1 Yes
47	5	65.08804	7419.8	7948.939	1	0	1 Yes
38	4	68.08205	7933.791	7017.831	1	1	2 Yes
21	4	62.86326	7265.584	7391.941	1	1	1 Yes
73	5	55.78791	7182.361	12955.44	2	1	0 Yes
68	5	53.14436	6296.334	11303.7	1	0	1 No
61	5	42.30665	6053.426	20371.33	1	0	2 No
21	6	40.69308	6127.271	7659.944	2	0	1 No
55	5	62.13718	8154.406	19061.63	2	0	2 Yes
84	4	71.32531	7879.064	13730.61	1	0	0 Yes
69	5	59.48403	7316.078	23118.13	1	0	2 Yes
29	3	62.02061	8182.037	10505.68	2	0	2 Yes
67	4	52.55104	6906.512	22734.94	2	1	0 Yes
39	5	64.27554	7781.303	6967.993	2	0	1 Yes
55	4	53.88181	6928.763	9629.644	2	0	1 No

24	5	66.65096	7449.454	4320.422	1	0	1 Yes
89	5	56.44077	6786.465	14717.07	1	0	1 Yes
33	5	57.37544	7627.55	6743.133	2	0	2 Yes
58	4	69.67973	7806.237	9704.996	0	0	1 Yes
42	4	64.74644	7819.219	14527.49	0	1	2 Yes
88	5	63.96663	8097.994	15640.49	2	0	2 Yes
21	4	63.19366	8020.037	4658.958	2	0	2 Yes
58	4	51.09507	6991.882	20128.77	2	1	1 Yes
60	7	71.47355	7995.657	19613.5	1	0	1 Yes
71	5	68.56774	7586.302	23062.35	1	0	0 Yes
49	5	60.19559	7412.629	16678.76	2	0	1 Yes
43	5	64.11305	7912.753	14859.62	2	0	1 Yes
41	5	67.80437	8287.163	14123.46	2	0	1 Yes
28	5	64.91307	7879.058	5729.286	2	1	0 Yes
18	4	43.42572	5474.477	3261.303	0	0	1 No
46	3	37.19841	5779.439	8297.485	2	0	1 No
27	4	56.63687	7175.134	5210.586	0	1	2 Yes
86	4	58.15124	6841.404	14296.9	1	0	1 Yes
76	5	55.54484	6612.317	12445.96	0	0	0 Yes
68	5	53.56048	6244.316	11222.88	1	0	0 No
26	6	55.5464	7018.97	9228.671	1	1	2 Yes
79	5	65.44806	7436.104	12989.28	0	0	0 Yes
69	4	59.61275	7093.234	22764.48	0	1	1 Yes
78	5	64.00065	8257.42	14030.85	2	0	2 Yes
74	5	64.01234	7613.042	12581.77	2	0	1 Yes
54	4	70.96035	8042.34	8858.4	1	0	0 Yes
61	5	39.64632	5787.803	11086.75	2	1	0 No
37	5	65.29031	7377.436	12166.67	1	0	0 Yes
82	4	66.98696	8135.521	27209.89	0	0	2 Yes
82	4	42.51321	5911.13	13996.12	2	0	1 No
43	4	62.04809	7277.717	14033.46	0	0	0 Yes
73	5	70.34427	8009.225	23804.4	0	0	1 Yes
27	5	50.20844	6768.663	5521.711	0	1	2 No
43	4	64.62792	7775.804	14668.35	2	0	1 Yes
37	5	69.03611	8185.028	6985.775	2	0	1 Yes
67	5	66.67052	8390.137	11993.64	2	0	2 Yes
22	5	55.6654	6735.203	4015.881	1	0	1 No
86	5	64.44366	7499.533	14079.28	0	0	0 Yes
19	3	54.86755	6591.199	3342.876	1	0	1 No
18	7	54.03769	6929.497	6779.651	0	1	2 No
52	5	51.49182	6718.769	9175.407	2	0	1 No
53	6	66.95008	8326.928	9739.262	2	0	2 Yes
40	5	59.39206	6988.137	13321.35	0	0	1 Yes
38	6	71.74601	8585.568	13186.67	2	0	1 Yes
83	6	64.87883	8389.962	27861.36	2	0	2 Yes
86	5	56.90131	7030.38	15206.1	2	1	1 Yes
87	6	67.64013	8481.855	15168.23	2	0	2 Yes

54	5	49.06407	6561.117	18098.87	2	0	1 No
70	4	66.27221	8228.949	23592.78	2	0	1 Yes
61	6	54.52465	7092.791	21058.77	2	1	1 Yes
72	7	55.41688	7242.002	24003.65	2	0	1 Yes
34	3	63.45724	7882.547	6237.038	2	0	1 Yes
33	5	68.51119	8179.137	11974.55	2	1	1 Yes
83	4	69.03886	7841.682	27024.46	1	0	1 Yes
31	3	71.18919	8460.575	11584.45	2	1	1 Yes
47	5	65.92037	7257.059	7800.816	1	1	0 Yes
86	3	54.67971	6904.088	14604.23	1	0	2 No
38	4	60.9445	7582.667	7143.078	2	0	1 Yes
22	4	68.62164	8685.791	4894.768	2	0	2 Yes
23	5	69.63887	7800.561	4129.056	0	0	1 Yes
85	5	51.0433	6195.16	13839.69	1	0	0 No
25	4	49.02304	6203.498	8525.852	1	1	1 No
57	6	43.37044	6506.444	10388.38	2	0	2 No
40	5	39.22601	5377.568	13422.44	1	1	1 No
44	3	68.19648	8123.947	14926.89	1	0	2 Yes
47	6	67.28268	8139.057	16544.32	2	1	1 Yes
65	6	63.47584	7285.633	10801.56	1	0	1 Yes
38	6	64.09193	7920.388	7050.724	2	0	1 Yes
19	2	53.46638	6383.301	3292.841	1	0	0 No
30	5	66.64185	7671.709	10044.7	1	0	0 Yes
19	5	71.05015	8387.174	6975.29	2	0	1 Yes
50	5	59.36179	7500.788	16892.9	0	0	2 Yes
34	5	65.77703	7842.783	6247.373	2	0	1 Yes
23	6	70.85029	7848.533	7832.505	1	0	1 Yes
68	6	52.94076	6265.488	11502.57	0	0	1 No
38	5	69.66284	8282.345	13026.19	2	0	1 Yes
26	5	51.34421	6588.537	9182.903	0	0	2 No
59	5	55.86398	6992.281	10347.55	1	0	2 Yes
72	5	67.76567	7681.9	23444.49	0	0	0 Yes
19	5	47.08074	6262.659	4042.019	1	1	2 No
49	4	57.48992	7442.019	17102.56	2	1	1 Yes
58	4	60.09028	7376.823	9886.712	2	0	0 Yes
71	4	70.3945	7796.564	23055.56	0	0	0 Yes
49	4	67.40255	7630.561	8314.233	0	0	1 Yes
49	8	66.69252	7320.327	8171.843	0	0	0 Yes
56	4	53.80097	7369.943	10313.36	2	0	2 Yes
73	5	48.0065	5984.7	12076.37	0	0	1 No
44	5	66.557	7979.611	7863.252	2	0	1 Yes
68	4	71.89611	8039.126	22281.12	0	1	0 Yes
38	5	60.13784	7029.714	6465.868	1	0	1 Yes
28	3	63.0688	7761.352	5250.709	2	0	0 Yes
75	7	48.50366	6868.112	25289.2	2	0	2 No
48	4	54.68287	6575.098	8119.588	0	0	1 No
77	6	40.82291	5578.722	12626.99	0	0	0 No

32	4	64.52046	7228.467	5519.506	1	0	1 Yes
55	6	50.9547	6177.5	9206.082	1	0	1 No
50	4	50.73277	7414.233	17532.22	2	0	2 No
86	6	39.51213	6245.564	15045.23	2	0	2 No
80	5	63.38024	7407.713	26234.53	1	0	1 Yes
80	4	68.27972	8161.14	26545.29	2	0	1 Yes
75	6	61.40502	7656.553	24664.53	2	0	0 Yes
38	4	43.57423	6178.172	6951.267	2	0	1 No
58	4	58.86007	7362.137	10949.55	2	1	1 Yes
76	4	71.71496	8853.137	14113.08	2	1	2 Yes
24	6	53.19714	6820.858	4733.916	2	0	1 Yes
24	5	70.8387	8271.019	8494.158	1	0	2 Yes
19	3	70.2392	8268.985	3756.371	2	0	1 Yes
44	4	69.73482	7749.711	7225.083	1	0	0 Yes
38	6	57.25083	7324.269	6702.047	2	0	0 Yes
40	4	67.68642	8631.374	7661.776	2	0	2 Yes
48	5	70.04537	8530.466	16153.08	2	0	1 Yes
50	6	71.4189	7940.181	16323.51	0	0	0 Yes
56	4	67.31484	7995.965	18609.8	2	0	0 Yes
27	4	70.30144	7776.384	4699.476	1	0	1 Yes
31	6	71.05232	7789.883	10272.61	1	0	0 Yes
77	3	69.56548	8411.318	26182.95	2	1	1 Yes
81	4	51.76319	6596.658	13977.6	0	1	2 No
58	5	63.77601	8247.858	11140.61	2	1	2 Yes
39	5	49.32087	6649.94	7041.096	2	0	0 No
66	4	63.91939	8345.495	23039.35	2	1	2 Yes
81	6	51.58876	6595.214	26524.01	1	0	1 No
62	3	43.50594	6235.683	10722.93	2	0	1 No
37	6	69.08691	8527.135	12876.79	2	0	1 Yes
41	6	64.43552	8157.822	14003.6	2	0	1 Yes
58	5	62.99523	7576.668	10008.5	0	0	2 Yes
65	4	58.238	7279.893	11291.95	1	1	2 Yes
20	5	47.21183	6027.914	3565.027	0	0	1 No
42	6	61.67474	7895.58	8595.535	2	1	2 Yes
27	4	55.65866	7498.345	9469.907	2	0	0 No
67	6	68.71637	7670.431	21815.36	0	0	0 Yes
75	6	69.53681	8539.78	13302.83	2	0	2 Yes
89	5	53.59611	6874.981	15106.69	0	0	2 No
47	5	56.82805	7418.279	15997.12	2	0	1 Yes
46	6	48.23898	6977.313	9189.087	2	1	2 No
70	5	63.59995	7285.575	11529.23	0	0	1 Yes
57	7	67.82623	7837.28	18683.5	1	0	1 Yes
29	4	65.24871	8006.775	10647.3	2	1	0 Yes
48	5	55.30687	7045.529	8280.901	2	0	0 No
67	4	64.59962	7647.48	11666.26	0	0	2 Yes
48	5	70.02835	8335.756	8481.895	2	0	1 Yes
51	5	67.43348	7568.566	16732.35	1	0	0 Yes

77	5	47.53599	6482.875	25457.62	1	0	2 No
76	5	66.12856	8405.342	13398.56	2	0	2 Yes
24	5	66.84219	7699.253	8250.036	1	1	1 Yes
39	3	64.53568	8201.949	8038.063	2	1	2 Yes
62	5	57.13085	7322.828	21365.41	2	1	1 Yes
41	5	71.86299	8342.422	7918.377	2	1	1 Yes
28	3	63.69181	7726.766	5259.739	0	0	2 Yes
37	4	52.42168	6697.032	6667.627	1	0	2 No
58	6	53.81782	6265.402	9605.539	1	0	1 No
21	5	59.13629	7772.798	4576.672	2	0	2 Yes
18	7	63.90491	7604.24	4430.436	2	1	1 Yes
45	5	61.58985	7119.903	7631.056	1	0	1 Yes
45	7	70.49837	7975.434	14901.94	0	0	1 Yes
74	4	62.07979	7661.006	24562.16	2	0	1 Yes
34	6	69.75402	8362.248	11755.06	1	0	2 Yes
83	4	46.28759	5708.071	13712.42	1	0	1 No
24	4	71.81877	7946.736	4044.245	0	0	0 Yes
20	5	49.73154	6602.193	7478.464	0	1	2 No
33	4	47.90347	6106.624	5712.508	1	1	1 No
47	5	59.40897	7940.806	16233.04	2	0	2 Yes
38	5	66.30734	7554.76	12498.64	1	1	0 Yes
49	6	60.99864	7625.125	16641.42	2	0	1 Yes
29	6	49.6997	6021.962	5104.247	1	1	1 No
46	6	50.75396	6719.309	15591.41	1	0	2 No
44	3	70.60479	7919.217	7449.758	1	0	1 Yes
70	5	62.44715	7754.214	23321.96	2	0	1 Yes
73	5	65.19846	7343.702	12239.64	0	1	0 Yes
69	4	62.73599	7149.808	11365.37	0	0	1 Yes
61	3	56.87419	6756.52	10263.56	0	1	1 Yes
50	3	56.61571	7894.201	17367.97	2	0	2 Yes
83	4	40.3553	6294.443	27882.08	2	0	2 No
69	4	37.93212	5607.716	12045.86	2	0	1 No
25	4	51.56122	6850.942	8927.642	2	0	1 No
87	5	68.66824	7741.69	28507.15	0	0	1 Yes
45	4	70.15418	8276.481	15281.21	0	0	2 Yes
43	5	63.3569	7644.483	7781.678	2	0	1 Yes
70	5	70.85059	7887.553	11643.19	1	0	0 Yes