Query ID	Doc ID	Ranking	Precision	Recall
1	CACM-1410	1	1	0.2
1	CACM-1523	2	0.5	0.2
1	CACM-1519	3	0.333	0.2
1	CACM-1605	4	0.5	0.4
1	CACM-1506	5	0.4	0.4
1	CACM-1544	6	0.333	0.4
1	CACM-2379	7	0.286	0.4
1	CACM-2288	8	0.25	0.4
1	CACM-2380	9	0.222	0.4
1	CACM-2319	10	0.2	0.4
1	CACM-1033	11	0.182	0.4
1	CACM-1161	12	0.167	0.4
1	CACM-1226	13	0.154	0.4
1	CACM-1938	14	0.143	0.4
1	CACM-3025	15	0.133	0.4
1	CACM-1626	16	0.125	0.4
1	CACM-2632	17	0.118	0.4
1	CACM-2371	18	0.111	0.4
1	CACM-3127	19	0.105	0.4
1	CACM-1571	20	0.1	0.4
1	CACM-2541	21	0.095	0.4
1	CACM-1591	22	0.091	0.4
1	CACM-3137	23	0.087	0.4
1	CACM-1393	24	0.083	0.4
1	CACM-1464	25	0.08	0.4
1	CACM-0585	26	0.077	0.4
1	CACM-1854	27	0.074	0.4
1	CACM-1749	28	0.071	0.4
1	CACM-2947	29	0.069	0.4
1	CACM-2500	30	0.067	0.4
1	CACM-2747	31	0.065	0.4
1	CACM-1264	32	0.062	0.4
1	CACM-2188	33	0.061	0.4
1	CACM-1844	34	0.059	0.4
1	CACM-1885	35	0.057	0.4
1	CACM-2054	36	0.056	0.4
1	CACM-2950	37	0.054	0.4
1	CACM-1225	38	0.053	0.4
1	CACM-2768	39	0.051	0.4
1	CACM-1827	40	0.05	0.4
1	CACM-2764	41	0.049	0.4
1	CACM-2624	42	0.048	0.4
1	CACM-2358	43	0.07	0.6
1	CACM-2597	44	0.068	0.6
1	CACM-0637	45	0.067	0.6
1	CACM-1173	46	0.065	0.6
1	CACM-2946	47	0.064	0.6
1	CACM-1542	48	0.062	0.6

1 CACM-1647	49	0.061	0.6
1 CACM-2080	50	0.06	0.6
1 CACM-2911	51	0.059	0.6
1 CACM-3153	52	0.058	0.6
1 CACM-2003	53	0.057	0.6
1 CACM-1502	54	0.056	0.6
1 CACM-2357	55	0.055	0.6
1 CACM-1657	56	0.054	0.6
1 CACM-2317	57	0.053	0.6
1 CACM-1960	58	0.052	0.6
1 CACM-2622	59	0.051	0.6
1 CACM-1959	60	0.05	0.6
1 CACM-1680	61	0.049	0.6
1 CACM-0971	62	0.048	0.6
1 CACM-1685	63	0.048	0.6
1 CACM-2535	64	0.047	0.6
1 CACM-2560	65	0.046	0.6
1 CACM-2452	66	0.045	0.6
1 CACM-1304	67	0.045	0.6
1 CACM-1753	68	0.044	0.6
1 CACM-1902	69	0.043	0.6
1 CACM-1440	70	0.043	0.6
1 CACM-2274	71	0.042	0.6
1 CACM-3023	72	0.042	0.6
1 CACM-1712	73	0.041	0.6
1 CACM-1179	74	0.041	0.6
1 CACM-2095	75	0.04	0.6
1 CACM-1805	76	0.039	0.6
1 CACM-2327	77	0.039	0.6
1 CACM-1032	78	0.038	0.6
1 CACM-2920	79	0.038	0.6
1 CACM-2740	80	0.037	0.6
1 CACM-0414	81	0.037	0.6
1 CACM-1505	82	0.037	0.6
1 CACM-3087	83	0.036	0.6
1 CACM-2378	84	0.036	0.6
1 CACM-1937	85	0.035	0.6
1 CACM-2424	86	0.035	0.6
1 CACM-2218	87	0.034	0.6
1 CACM-1750	88	0.034	0.6
1 CACM-2126	89	0.034	0.6
1 CACM-1163	90	0.033	0.6
1 CACM-2153	91	0.033	0.6
1 CACM-1735	92	0.033	0.6
1 CACM-0202	93	0.032	0.6
1 CACM-1518	94	0.032	0.6
1 CACM-1341	95	0.032	0.6
1 CACM-2868	96	0.031	0.6
1 CACM-2176	97	0.031	0.6

1 CACM-0972	98	0.031	0.6
1 CACM-2621	99	0.03	0.6
1 CACM-2596	100	0.03	0.6
2 CACM-2434	1	1	0.333
2 CACM-2863	2	1	0.667
2 CACM-3078	3	1	1
2 CACM-0727	4	0.75	1
2 CACM-0497	5	0.6	1
2 CACM-2376	6	0.5	1
2 CACM-1364	7	0.429	1
2 CACM-2342	8	0.375	1
2 CACM-0335	9	0.333	1
2 CACM-2981	10	0.3	1
2 CACM-1475	11	0.273	1
2 CACM-0942	12	0.25	1
2 CACM-2340	13	0.231	1
2 CACM-1502	14	0.214	1
2 CACM-3129	15	0.2	1
2 CACM-3136	16	0.188	1
2 CACM-1062	17	0.176	1
2 CACM-1827	18	0.167	1
2 CACM-2866	19	0.158	1
2 CACM-2850	20	0.15	1
2 CACM-2356	21	0.143	1
2 CACM-1012	22	0.136	1
2 CACM-2250	23	0.13	1
2 CACM-2945	24	0.125	1
2 CACM-1014	25	0.12	1
2 CACM-0047	26	0.115	1
2 CACM-0616	27	0.111	1
2 CACM-2865	28	0.107	1
2 CACM-1977	29	0.103	1
2 CACM-2714	30	0.1	1
2 CACM-3202	31	0.097	1
2 CACM-0185	32	0.094	1
2 CACM-1046	33	0.091	1
2 CACM-0825	34	0.088	1
2 CACM-1861	35	0.086	1
2 CACM-1010	36	0.083	1
2 CACM-2996	37	0.081	1
2 CACM-1254	38	0.079	1
2 CACM-3086	39	0.077	1
2 CACM-2919	40	0.075	1
2 CACM-1442	41	0.073	1
2 CACM-2304	42	0.071	1
2 CACM-2876	43	0.07	1
2 CACM-1931	44	0.068	1
2 CACM-1315	45	0.067	1
2 CACM-2554	46	0.065	1

2 CACM-0276	47	0.064	1
2 CACM-3014	48	0.062	1
2 CACM-1867	49	0.061	1
2 CACM-1182	50	0.06	1
2 CACM-2650	51	0.059	1
2 CACM-1619	52	0.058	1
2 CACM-1264	53	0.057	1
2 CACM-0408	54	0.056	1
2 CACM-1625	55	0.055	1
2 CACM-2352	56	0.054	1
2 CACM-3180	57	0.053	1
2 CACM-1509	58	0.052	1
2 CACM-2939	59	0.051	1
2 CACM-0108	60	0.05	1
2 CACM-2735	61	0.049	1
2 CACM-2664	62	0.048	1
2 CACM-1652	63	0.048	1
2 CACM-1249	64	0.047	1
2 CACM-2786	65	0.046	1
2 CACM-2976	66	0.045	1
2 CACM-2144	67	0.045	1
2 CACM-0246	68	0.044	1
2 CACM-2039	69	0.043	1
2 CACM-0626	70	0.043	1
2 CACM-1272	71	0.042	1
2 CACM-0857	72	0.042	1
2 CACM-1397	73	0.041	1
2 CACM-2577	74	0.041	1
2 CACM-2663	75	0.04	1
2 CACM-3157	76	0.039	1
2 CACM-2143	77	0.039	1
2 CACM-3117	78	0.038	1
2 CACM-2328	79	0.038	1
2 CACM-3194	80	0.037	1
2 CACM-1877	81	0.037	1
2 CACM-2125	82	0.037	1
2 CACM-1443	83	0.036	1
2 CACM-1223	84	0.036	1
2 CACM-1971	85	0.035	1
2 CACM-1821	86	0.035	1
2 CACM-0853	87	0.034	1
2 CACM-0394	88	0.034	1
2 CACM-0372	89	0.034	1
2 CACM-1105	90	0.033	1
2 CACM-2926	91	0.033	1
2 CACM-3003	92	0.033	1
2 CACM-1843	93	0.032	1
2 CACM-2021	94	0.032	1
2 CACM-0798	95	0.032	1

2 CACM-0890	96	0.031	1
2 CACM-0397	97	0.031	1
2 CACM-1590	98	0.031	1
2 CACM-1671	99	0.03	1
2 CACM-1702	100	0.03	1
3 CACM-1572	1	0	0
3 CACM-2705	2	0	0
3 CACM-1134	3	0.333	0.167
3 CACM-1807	4	0.5	0.333
3 CACM-3077	5	0.4	0.333
3 CACM-2542	6	0.333	0.333
3 CACM-0637	7	0.286	0.333
3 CACM-1484	8	0.25	0.333
3 CACM-2197	9	0.222	0.333
3 CACM-1387	10	0.2	0.333
3 CACM-1787	11	0.182	0.333
3 CACM-0252	12	0.167	0.333
3 CACM-1533	13	0.154	0.333
3 CACM-1752	14	0.143	0.333
3 CACM-1671	15	0.133	0.333
3 CACM-1653	16	0.125	0.333
3 CACM-2534	17	0.118	0.333
3 CACM-2684	18	0.111	0.333
3 CACM-3115	19	0.105	0.333
3 CACM-2808	20	0.1	0.333
3 CACM-2247	21	0.095	0.333
3 CACM-2051	22	0.091	0.333
3 CACM-1745	23	0.087	0.333
3 CACM-2317	24	0.083	0.333
3 CACM-0854	25	0.08	0.333
3 CACM-2939	26	0.077	0.333
3 CACM-2061	27	0.074	0.333
3 CACM-2411	28	0.071	0.333
3 CACM-1869	29	0.069	0.333
3 CACM-2958	30	0.067	0.333
3 CACM-2111	31	0.065	0.333
3 CACM-1412	32	0.062	0.333
3 CACM-3130	33	0.061	0.333
3 CACM-2492	34	0.059	0.333
3 CACM-1626	35	0.057	0.333
3 CACM-1402	36	0.056	0.333
3 CACM-1007	37	0.054	0.333
3 CACM-1783	38	0.053	0.333
3 CACM-1947	39	0.077	0.5
3 CACM-0059	40	0.075	0.5
3 CACM-0205	41	0.073	0.5
3 CACM-1705	42	0.071	0.5
3 CACM-2254	43	0.07	0.5
3 CACM-1421	44	0.068	0.5

3 CACM-2886	45	0.067	0.5
3 CACM-3091	46	0.065	0.5
3 CACM-1392	47	0.064	0.5
3 CACM-0084	48	0.062	0.5
3 CACM-2423	49	0.061	0.5
3 CACM-2919	50	0.06	0.5
3 CACM-2878	51	0.059	0.5
3 CACM-0165	52	0.058	0.5
3 CACM-3116	53	0.057	0.5
3 CACM-1170	54	0.056	0.5
3 CACM-1062	55	0.055	0.5
3 CACM-2311	56	0.054	0.5
3 CACM-1565	57	0.053	0.5
3 CACM-2551	58	0.052	0.5
3 CACM-2751	59	0.051	0.5
3 CACM-1682	60	0.05	0.5
3 CACM-0696	61	0.049	0.5
3 CACM-1029	62	0.048	0.5
3 CACM-2867	63	0.048	0.5
3 CACM-1194	64	0.047	0.5
3 CACM-3132	65	0.046	0.5
3 CACM-0086	66	0.045	0.5
3 CACM-2439	67	0.045	0.5
3 CACM-2977	68	0.044	0.5
3 CACM-2658	69	0.043	0.5
3 CACM-2064	70	0.043	0.5
3 CACM-2204	71	0.042	0.5
3 CACM-3080	72	0.042	0.5
3 CACM-3070	73	0.041	0.5
3 CACM-2092	74	0.041	0.5
3 CACM-0671	75	0.04	0.5
3 CACM-2930	76	0.039	0.5
3 CACM-2053	77	0.039	0.5
3 CACM-1223	78	0.038	0.5
3 CACM-2449	79	0.038	0.5
3 CACM-3103	80	0.037	0.5
3 CACM-2327	81	0.037	0.5
3 CACM-2899	82	0.037	0.5
3 CACM-3028	83	0.036	0.5
3 CACM-1553	84	0.036	0.5
3 CACM-0284	85	0.035	0.5
3 CACM-3121	86	0.035	0.5
3 CACM-1829	87	0.034	0.5
3 CACM-1723	88	0.034	0.5
3 CACM-2739	89	0.034	0.5
3 CACM-1154	90	0.033	0.5
3 CACM-0799	91	0.033	0.5
3 CACM-3158	92	0.033	0.5
3 CACM-3093	93	0.032	0.5

3 CACM-2309	94	0.032	0.5
3 CACM-2904	95	0.032	0.5
3 CACM-2776	96	0.031	0.5
3 CACM-1315	97	0.031	0.5
3 CACM-1381	98	0.031	0.5
3 CACM-2175	99	0.03	0.5
3 CACM-3198	100	0.03	0.5
4 CACM-3128	1	1	0.083
4 CACM-2371	2	1	0.167
4 CACM-2377	3	0.667	0.167
4 CACM-2342	4	0.5	0.167
4 CACM-2519	5	0.4	0.167
4 CACM-3043	6	0.5	0.25
4 CACM-2958	7	0.429	0.25
4 CACM-3103	8	0.375	0.25
4 CACM-3137	9	0.333	0.25
4 CACM-2920	10	0.3	0.25
4 CACM-1698	11	0.273	0.25
4 CACM-3087	12	0.25	0.25
4 CACM-2092	13	0.231	0.25
4 CACM-1083	14	0.214	0.25
4 CACM-2376	15	0.2	0.25
4 CACM-2848	16	0.188	0.25
4 CACM-3082	17	0.235	0.333
4 CACM-2931	18	0.222	0.333
4 CACM-2274	19	0.211	0.333
4 CACM-1325	20	0.2	0.333
4 CACM-3180	21	0.19	0.333
4 CACM-3105	22	0.182	0.333
4 CACM-3121	23	0.174	0.333
4 CACM-2632	24	0.167	0.333
4 CACM-2080	25	0.16	0.333
4 CACM-1829	26	0.154	0.333
4 CACM-2150	27	0.148	0.333
4 CACM-1591	28	0.143	0.333
4 CACM-2522	29	0.138	0.333
4 CACM-1665	30	0.133	0.333
4 CACM-1010	31	0.129	0.333
4 CACM-1749	32	0.156	0.417
4 CACM-3049	33	0.152	0.417
4 CACM-3127	34	0.176	0.5
4 CACM-2560	35	0.171	0.5
4 CACM-2954	36	0.167	0.5
4 CACM-2320	37	0.162	0.5
4 CACM-1307	38	0.158	0.5
4 CACM-1854	39	0.154	0.5
4 CACM-1484	40	0.15	0.5
4 CACM-1811	41	0.171	0.583
4 CACM-0854	42	0.167	0.583

4 CACM-1752	43	0.163	0.583
4 CACM-2378	44	0.159	0.583
4 CACM-1626	45	0.156	0.583
4 CACM-0731	46	0.152	0.583
4 CACM-2188	47	0.149	0.583
4 CACM-2940	48	0.146	0.583
4 CACM-3048	49	0.143	0.583
4 CACM-2767	50	0.14	0.583
4 CACM-2840	51	0.137	0.583
4 CACM-1885	52	0.135	0.583
4 CACM-2912	53	0.151	0.667
4 CACM-3148	54	0.148	0.667
4 CACM-1135	55	0.145	0.667
4 CACM-0040	56	0.143	0.667
4 CACM-2851	57	0.14	0.667
4 CACM-1747	58	0.138	0.667
4 CACM-2740	59	0.136	0.667
4 CACM-2950	60	0.133	0.667
4 CACM-2817	61	0.131	0.667
4 CACM-2379	62	0.129	0.667
4 CACM-2939	63	0.127	0.667
4 CACM-1827	64	0.125	0.667
4 CACM-2810	65	0.123	0.667
4 CACM-3080	66	0.121	0.667
4 CACM-1534	67	0.119	0.667
4 CACM-2314	68	0.118	0.667
4 CACM-1677	69	0.116	0.667
4 CACM-2870	70	0.114	0.667
4 CACM-3141	71	0.113	0.667
4 CACM-2955	72	0.111	0.667
4 CACM-2849	73	0.11	0.667
4 CACM-3015	74	0.108	0.667
4 CACM-3070	75	0.107	0.667
4 CACM-2542	76	0.105	0.667
4 CACM-2948	77	0.104	0.667
4 CACM-0409	78	0.103	0.667
4 CACM-1033	79	0.101	0.667
4 CACM-1844	80	0.1	0.667
4 CACM-2918	81	0.099	0.667
4 CACM-2439	82	0.098	0.667
4 CACM-1719	83	0.096	0.667
4 CACM-2894	84	0.095	0.667
4 CACM-1605	85	0.094	0.667
4 CACM-2812	86	0.093	0.667
4 CACM-3078	87	0.092	0.667
4 CACM-1206	88	0.091	0.667
4 CACM-2054	89	0.09	0.667
4 CACM-1846	90	0.089	0.667
4 CACM-2949	91	0.088	0.667

4 CACM-0284	92	0.087	0.667
4 CACM-2622	93	0.086	0.667
4 CACM-1506	94	0.085	0.667
4 CACM-3131	95	0.084	0.667
4 CACM-1145	96	0.083	0.667
4 CACM-2684	97	0.082	0.667
4 CACM-1170	98	0.082	0.667
4 CACM-2571	99	0.081	0.667
4 CACM-1750	100	0.08	0.667
5 CACM-2035	1	1	0.125
5 CACM-2299	2	1	0.25
5 CACM-1502	3	1	0.375
5 CACM-2820	4	1	0.5
5 CACM-2145	5	0.8	0.5
5 CACM-2980	6	0.667	0.5
5 CACM-1829	7	0.571	0.5
5 CACM-1698	8	0.5	0.5
5 CACM-1960	9	0.444	0.5
5 CACM-2629	10	0.4	0.5
5 CACM-0892	11	0.364	0.5
5 CACM-1937	12	0.333	0.5
5 CACM-2003	13	0.308	0.5
5 CACM-1281	14	0.286	0.5
5 CACM-2841	15	0.267	0.5
5 CACM-2786	16	0.25	0.5
5 CACM-2433	17	0.235	0.5
5 CACM-2357	18	0.222	0.5
5 CACM-3147	19	0.211	0.5
5 CACM-1408	20	0.2	0.5
5 CACM-2812	21	0.19	0.5
5 CACM-2753	22	0.182	0.5
5 CACM-1699	23	0.174	0.5
5 CACM-1392	24	0.167	0.5
5 CACM-2947	25	0.16	0.5
5 CACM-1671	26	0.154	0.5
5 CACM-2252	27	0.148	0.5
5 CACM-2523	28	0.143	0.5
5 CACM-2399	29	0.172	0.625
5 CACM-1571	30	0.167	0.625
5 CACM-3087	31	0.161	0.625
5 CACM-2873	32	0.156	0.625
5 CACM-2321	33	0.152	0.625
5 CACM-2169	34	0.147	0.625
5 CACM-1188	35	0.143	0.625
5 CACM-2401	36	0.139	0.625
5 CACM-1272	37	0.135	0.625
5 CACM-1853	38	0.132	0.625
5 CACM-1962	39	0.128	0.625
5 CACM-1978	40	0.125	0.625

5 CACM-2201	41	0.122	0.625
5 CACM-2277	42	0.119	0.625
5 CACM-1033	43	0.116	0.625
5 CACM-2002	44	0.114	0.625
5 CACM-2314	45	0.111	0.625
5 CACM-2542	46	0.109	0.625
5 CACM-2985	47	0.106	0.625
5 CACM-1010	48	0.104	0.625
5 CACM-1605	49	0.102	0.625
5 CACM-1750	50	0.1	0.625
5 CACM-3158	51	0.098	0.625
5 CACM-2622	52	0.096	0.625
5 CACM-1409	53	0.094	0.625
5 CACM-2396	54	0.093	0.625
5 CACM-1534	55	0.091	0.625
5 CACM-2138	56	0.089	0.625
5 CACM-2572	57	0.088	0.625
5 CACM-1159	58	0.086	0.625
5 CACM-1915	59	0.085	0.625
5 CACM-2883	60	0.083	0.625
5 CACM-1646	61	0.082	0.625
5 CACM-1396	62	0.081	0.625
5 CACM-2358	63	0.079	0.625
5 CACM-2514	64	0.078	0.625
5 CACM-2188	65	0.077	0.625
5 CACM-2522	66	0.076	0.625
5 CACM-2065	67	0.075	0.625
5 CACM-1742	68	0.074	0.625
5 CACM-1764	69	0.072	0.625
5 CACM-1487	70	0.071	0.625
5 CACM-1572	71	0.07	0.625
5 CACM-1067	72	0.069	0.625
5 CACM-2705	73	0.068	0.625
5 CACM-3091	74	0.068	0.625
5 CACM-1170	75	0.067	0.625
5 CACM-2247	76	0.066	0.625
5 CACM-1523	77	0.065	0.625
5 CACM-2319	78	0.064	0.625
5 CACM-1435	79	0.063	0.625
5 CACM-1395	80	0.062	0.625
5 CACM-3030	81	0.062	0.625
5 CACM-2033	82	0.061	0.625
5 CACM-3012	83	0.06	0.625
5 CACM-1827	84	0.06	0.625
5 CACM-2142	85	0.059	0.625
5 CACM-2148	86	0.058	0.625
5 CACM-1307	87	0.069	0.75
5 CACM-3025	88	0.068	0.75
5 CACM-2379	89	0.067	0.75

5 CACM-1252	90	0.067	0.75
5 CACM-2167	91	0.066	0.75
5 CACM-2163	92	0.065	0.75
5 CACM-2483	93	0.065	0.75
5 CACM-2950	94	0.064	0.75
5 CACM-2078	95	0.063	0.75
5 CACM-3145	96	0.062	0.75
5 CACM-2155	97	0.062	0.75
5 CACM-1143	98	0.061	0.75
5 CACM-1697	99	0.061	0.75
5 CACM-2619	100	0.06	0.75
6 CACM-2826	1	0	0
6 CACM-2230	2	0	0
6 CACM-2828	3	0.333	0.333
6 CACM-1543	4	0.5	0.667
6 CACM-1928	5	0.4	0.667
6 CACM-1503	6	0.333	0.667
6 CACM-1365	7	0.286	0.667
6 CACM-0605	8	0.25	0.667
6 CACM-1234	9	0.222	0.667
6 CACM-2721	10	0.2	0.667
6 CACM-1341	11	0.182	0.667
6 CACM-2078	12	0.25	1
6 CACM-0695	13	0.231	1
6 CACM-0531	14	0.214	1
6 CACM-3035	15	0.2	1
6 CACM-0670	16	0.188	1
6 CACM-1829	17	0.176	1
6 CACM-2931	18	0.167	1
6 CACM-2604	19	0.158	1
6 CACM-1362	20	0.15	1
6 CACM-1664	21	0.143	1
6 CACM-0417	22	0.136	1
6 CACM-1014	23	0.13	1
6 CACM-2200	24	0.125	1
6 CACM-1657	25	0.12	1
6 CACM-1885	26	0.115	1
6 CACM-1978	27	0.111	1
6 CACM-0724	28	0.107	1
6 CACM-3135	29	0.103	1
6 CACM-1623	30	0.1	1
6 CACM-0440	31	0.097	1
6 CACM-2187	32	0.094	1
6 CACM-2389	33	0.091	1
6 CACM-1184	34	0.088	1
6 CACM-2753	35	0.086	1
6 CACM-2943	36	0.083	1
6 CACM-3080	37	0.081	1
6 CACM-2810	38	0.079	1

6 CACM-3034	39	0.077	1
6 CACM-2834	40	0.075	1
6 CACM-2886	41	0.073	1
6 CACM-2922	42	0.071	1
6 CACM-1379	43	0.07	1
6 CACM-2667	44	0.068	1
6 CACM-1148	45	0.067	1
6 CACM-1614	46	0.065	1
6 CACM-1366	47	0.064	1
6 CACM-2996	48	0.062	1
6 CACM-2751	49	0.061	1
6 CACM-1886	50	0.06	1
6 CACM-2003	51	0.059	1
6 CACM-1353	52	0.058	1
6 CACM-2978	53	0.057	1
6 CACM-1867	54	0.056	1
6 CACM-2987	55	0.055	1
6 CACM-1083	56	0.054	1
6 CACM-1046	57	0.053	1
6 CACM-2805	58	0.052	1
6 CACM-2166	59	0.051	1
6 CACM-2264	60	0.05	1
6 CACM-0320	61	0.049	1
6 CACM-2893	62	0.048	1
6 CACM-2829	63	0.048	1
6 CACM-2231	64	0.047	1
6 CACM-2046	65	0.046	1
6 CACM-2918	66	0.045	1
6 CACM-1457	67	0.045	1
6 CACM-1348	68	0.044	1
6 CACM-1233	69	0.043	1
6 CACM-2873	70	0.043	1
6 CACM-2297	71	0.042	1
6 CACM-3077	72	0.042	1
6 CACM-0321	73	0.041	1
6 CACM-1827	74	0.041	1
6 CACM-3000	75	0.04	1
6 CACM-1877	76	0.039	1
6 CACM-1099	77	0.039	1
6 CACM-2305	78	0.038	1
6 CACM-1443	79	0.038	1
6 CACM-1653	80	0.037	1
6 CACM-3076	81	0.037	1
6 CACM-2572	82	0.037	1
6 CACM-1199	83	0.036	1
6 CACM-2302	84	0.036	1
6 CACM-1113	85	0.035	1
6 CACM-2554	86	0.035	1
6 CACM-2092	87	0.034	1

6 CACM-1458	88	0.034	1
6 CACM-0694	89	0.034	1
6 CACM-1445	90	0.033	1
6 CACM-0243	91	0.033	1
6 CACM-2930	92	0.033	1
6 CACM-1459	93	0.032	1
6 CACM-2061	94	0.032	1
6 CACM-1937	95	0.032	1
6 CACM-2892	96	0.031	1
6 CACM-1781	97	0.031	1
6 CACM-1262	98	0.031	1
6 CACM-2900	99	0.03	1
6 CACM-1387	100	0.03	1
7 CACM-3043	1	1	0.036
7 CACM-3128	2	1	0.071
7 CACM-2912	3	1	0.107
7 CACM-2320	4	1	0.143
7 CACM-2342	5	1	0.179
7 CACM-2376	6	1	0.214
7 CACM-2949	7	0.857	0.214
7 CACM-2865	8	0.875	0.25
7 CACM-3141	9	0.889	0.286
7 CACM-1854	10	0.8	0.286
7 CACM-3148	11	0.818	0.321
7 CACM-2150	12	0.833	0.357
7 CACM-1749	13	0.769	0.357
7 CACM-1753	14	0.714	0.357
7 CACM-2740	15	0.667	0.357
7 CACM-0046	16	0.625	0.357
7 CACM-2541	17	0.588	0.357
7 CACM-2379	18	0.556	0.357
7 CACM-2890	19	0.526	0.357
7 CACM-2378	20	0.5	0.357
7 CACM-1198	21	0.524	0.393
7 CACM-3048	22	0.5	0.393
7 CACM-0243	23	0.478	0.393
7 CACM-3039	24	0.458	0.393
7 CACM-2851	25	0.44	0.393
7 CACM-2111	26	0.423	0.393
7 CACM-2519	27	0.407	0.393
7 CACM-1748	28	0.393	0.393
7 CACM-3137	29	0.379	0.393
7 CACM-2871	30	0.367	0.393
7 CACM-3078	31	0.355	0.393
7 CACM-2895	32	0.375	0.429
7 CACM-3077	33	0.364	0.429
7 CACM-1135	34	0.353	0.429
7 CACM-2080	35	0.343	0.429
7 CACM-2317	36	0.333	0.429

7 CACM-3014	37	0.324	0.429
7 CACM-3080	38	0.316	0.429
7 CACM-2179	39	0.308	0.429
7 CACM-1381	40	0.3	0.429
7 CACM-3104	41	0.293	0.429
7 CACM-1698	42	0.286	0.429
7 CACM-2979	43	0.279	0.429
7 CACM-1026	44	0.273	0.429
7 CACM-2802	45	0.267	0.429
7 CACM-2940	46	0.261	0.429
7 CACM-2371	47	0.255	0.429
7 CACM-3082	48	0.271	0.464
7 CACM-1503	49	0.265	0.464
7 CACM-2522	50	0.26	0.464
7 CACM-2849	51	0.255	0.464
7 CACM-1098	52	0.25	0.464
7 CACM-1099	53	0.245	0.464
7 CACM-2276	54	0.241	0.464
7 CACM-1572	55	0.236	0.464
7 CACM-1960	56	0.25	0.5
7 CACM-2978	57	0.246	0.5
7 CACM-3140	58	0.241	0.5
7 CACM-2795	59	0.237	0.5
7 CACM-2046	60	0.233	0.5
7 CACM-1623	61	0.23	0.5
7 CACM-2216	62	0.226	0.5
7 CACM-1959	63	0.222	0.5
7 CACM-3031	64	0.219	0.5
7 CACM-2264	65	0.215	0.5
7 CACM-2321	66	0.212	0.5
7 CACM-2860	67	0.209	0.5
7 CACM-2958	68	0.206	0.5
7 CACM-1771	69	0.203	0.5
7 CACM-2972	70	0.2	0.5
7 CACM-2377	71	0.197	0.5
7 CACM-2920	72	0.194	0.5
7 CACM-1928	73	0.192	0.5
7 CACM-2368	74	0.189	0.5
7 CACM-2181	75	0.187	0.5
7 CACM-0893	76	0.184	0.5
7 CACM-1886	77	0.182	0.5
7 CACM-3006	78	0.179	0.5
7 CACM-2572	79	0.177	0.5
7 CACM-1834	80	0.175	0.5
7 CACM-2709	81	0.173	0.5
7 CACM-2705	82	0.171	0.5
7 CACM-2204	83	0.169	0.5
7 CACM-1457	84	0.167	0.5
7 CACM-2307	85	0.165	0.5

7 CACM-2848	86	0.163	0.5
7 CACM-1665	87	0.161	0.5
7 CACM-2626	88	0.159	0.5
7 CACM-3025	89	0.157	0.5
7 CACM-2016	90	0.156	0.5
7 CACM-1458	91	0.154	0.5
7 CACM-2732	92	0.152	0.5
7 CACM-2163	93	0.151	0.5
7 CACM-1653	94	0.149	0.5
7 CACM-2931	95	0.147	0.5
7 CACM-2326	96	0.146	0.5
7 CACM-1397	97	0.144	0.5
7 CACM-1605	98	0.143	0.5
7 CACM-2918	99	0.141	0.5
7 CACM-2950	100	0.14	0.5
8 CACM-2625	1	1	0.333
8 CACM-2949	2	0.5	0.333
8 CACM-2541	3	0.333	0.333
8 CACM-1685	4	0.25	0.333
8 CACM-2951	5	0.2	0.333
8 CACM-0492	6	0.167	0.333
8 CACM-2371	7	0.143	0.333
8 CACM-3032	8	0.25	0.667
8 CACM-1677	9	0.222	0.667
8 CACM-2776	10	0.2	0.667
8 CACM-2858	11	0.182	0.667
8 CACM-1869	12	0.167	0.667
8 CACM-0912	13	0.154	0.667
8 CACM-1752	14	0.143	0.667
8 CACM-3127	15	0.133	0.667
8 CACM-3068	16	0.125	0.667
8 CACM-2501	17	0.118	0.667
8 CACM-1695	18	0.111	0.667
8 CACM-2860	19	0.105	0.667
8 CACM-2500	20	0.1	0.667
8 CACM-3025	21	0.095	0.667
8 CACM-2712	22	0.091	0.667
8 CACM-2991	23	0.087	0.667
8 CACM-2111	24	0.083	0.667
8 CACM-2522	25	0.08	0.667
8 CACM-2194	26	0.077	0.667
8 CACM-2482	27	0.074	0.667
8 CACM-2151	28	0.071	0.667
8 CACM-2892	29	0.069	0.667
8 CACM-1928	30	0.067	0.667
8 CACM-2358	31	0.065	0.667
8 CACM-1754	32	0.062	0.667
8 CACM-1938	33	0.061	0.667
8 CACM-2668	34	0.059	0.667

8 CACM-3133	35	0.057	0.667
8 CACM-1785	36	0.056	0.667
8 CACM-2629	37	0.054	0.667
8 CACM-1892	38	0.053	0.667
8 CACM-2920	39	0.051	0.667
8 CACM-2597	40	0.05	0.667
8 CACM-1680	41	0.049	0.667
8 CACM-1723	42	0.048	0.667
8 CACM-3147	43	0.047	0.667
8 CACM-3040	44	0.045	0.667
8 CACM-2543	45	0.044	0.667
8 CACM-1226	46	0.043	0.667
8 CACM-1751	47	0.043	0.667
8 CACM-2950	48	0.042	0.667
8 CACM-1611	49	0.041	0.667
8 CACM-1464	50	0.04	0.667
8 CACM-1591	51	0.039	0.667
8 CACM-0071	52	0.038	0.667
8 CACM-2177	53	0.038	0.667
8 CACM-2632	54	0.037	0.667
8 CACM-1247	55	0.036	0.667
8 CACM-2095	56	0.036	0.667
8 CACM-3083	57	0.035	0.667
8 CACM-3053	58	0.034	0.667
8 CACM-0332	59	0.034	0.667
8 CACM-2840	60	0.033	0.667
8 CACM-2768	61	0.033	0.667
8 CACM-2317	62	0.032	0.667
8 CACM-0040	63	0.032	0.667
8 CACM-1854	64	0.031	0.667
8 CACM-1902	65	0.031	0.667
8 CACM-1879	66	0.03	0.667
8 CACM-3082	67	0.03	0.667
8 CACM-2377	68	0.029	0.667
8 CACM-2197	69	0.029	0.667
8 CACM-1877	70	0.029	0.667
8 CACM-0828	71	0.028	0.667
8 CACM-2849	72	0.042	1
8 CACM-2319	73	0.041	1
8 CACM-2274	74	0.041	1
8 CACM-1959	75	0.04	1
8 CACM-2379	76	0.039	1
8 CACM-2969	77	0.039	1
8 CACM-3076	78	0.038	1
8 CACM-1728	79	0.038	1
8 CACM-3126	80	0.037	1
8 CACM-2830	81	0.037	1
8 CACM-1534	82	0.037	1
8 CACM-2798	83	0.036	1

8 CACM-3158	84	0.036	1
8 CACM-2308	85	0.035	1
8 CACM-3087	86	0.035	1
8 CACM-0615	87	0.034	1
8 CACM-2080	88	0.034	1
8 CACM-1408	89	0.034	1
8 CACM-2345	90	0.033	1
8 CACM-2868	91	0.033	1
8 CACM-1698	92	0.033	1
8 CACM-2454	93	0.032	1
8 CACM-3072	94	0.032	1
8 CACM-0731	95	0.032	1
8 CACM-2407	96	0.031	1
8 CACM-1505	97	0.031	1
8 CACM-2988	98	0.031	1
8 CACM-1261	99	0.03	1
8 CACM-2138	100	0.03	1
9 CACM-3068	1	1	0.111
9 CACM-2372	2	1	0.222
9 CACM-3174	3	0.667	0.222
9 CACM-3128	4	0.75	0.333
9 CACM-2870	5	0.8	0.444
9 CACM-2621	6	0.667	0.444
9 CACM-1959	7	0.571	0.444
9 CACM-2622	8	0.5	0.444
9 CACM-3082	9	0.444	0.444
9 CACM-3181	10	0.4	0.444
9 CACM-2151	11	0.364	0.444
9 CACM-3076	12	0.333	0.444
9 CACM-3025	13	0.308	0.444
9 CACM-1747	14	0.286	0.444
9 CACM-3158	15	0.333	0.556
9 CACM-2317	16	0.312	0.556
9 CACM-2424	17	0.294	0.556
9 CACM-2951	18	0.278	0.556
9 CACM-1750	19	0.263	0.556
9 CACM-2840	20	0.25	0.556
9 CACM-1808	21	0.238	0.556
9 CACM-1745	22	0.227	0.556
9 CACM-2741	23	0.217	0.556
9 CACM-2988	24	0.208	0.556
9 CACM-2949	25	0.2	0.556
9 CACM-2626	26	0.192	0.556
9 CACM-2111	27	0.185	0.556
9 CACM-2345	28	0.179	0.556
9 CACM-2632	29	0.207	0.667
9 CACM-3137	30	0.2	0.667
9 CACM-2407	31	0.194	0.667
9 CACM-2869	32	0.188	0.667

9 CACM-2371	33	0.182	0.667
9 CACM-3182	34	0.176	0.667
9 CACM-2358	35	0.171	0.667
9 CACM-1844	36	0.167	0.667
9 CACM-2597	37	0.162	0.667
9 CACM-2849	38	0.158	0.667
9 CACM-3127	39	0.154	0.667
9 CACM-2867	40	0.15	0.667
9 CACM-2522	41	0.146	0.667
9 CACM-1892	42	0.143	0.667
9 CACM-2541	43	0.14	0.667
9 CACM-1928	44	0.136	0.667
9 CACM-3072	45	0.133	0.667
9 CACM-2080	46	0.13	0.667
9 CACM-1685	47	0.128	0.667
9 CACM-0637	48	0.125	0.667
9 CACM-1341	49	0.122	0.667
9 CACM-2046	50	0.12	0.667
9 CACM-2197	51	0.118	0.667
9 CACM-1728	52	0.115	0.667
9 CACM-2629	53	0.113	0.667
9 CACM-1247	54	0.111	0.667
9 CACM-3011	55	0.109	0.667
9 CACM-2319	56	0.107	0.667
9 CACM-2955	57	0.105	0.667
9 CACM-1680	58	0.103	0.667
9 CACM-2812	59	0.102	0.667
9 CACM-1464	60	0.1	0.667
9 CACM-2578	61	0.098	0.667
9 CACM-2882	62	0.097	0.667
9 CACM-3028	63	0.095	0.667
9 CACM-3070	64	0.094	0.667
9 CACM-2798	65	0.092	0.667
9 CACM-2188	66	0.091	0.667
9 CACM-1671	67	0.09	0.667
9 CACM-1484	68	0.088	0.667
9 CACM-3026	69	0.087	0.667
9 CACM-2888	70	0.086	0.667
9 CACM-2320	71	0.085	0.667
9 CACM-2950	72	0.083	0.667
9 CACM-0046	73	0.082	0.667
9 CACM-1226	74	0.081	0.667
9 CACM-1752	75	0.08	0.667
9 CACM-3111	76	0.092	0.778
9 CACM-2168	77	0.091	0.778
9 CACM-3180	78	0.09	0.778
9 CACM-3141	79	0.089	0.778
9 CACM-2852	80	0.087	0.778
9 CACM-2406	81	0.086	0.778

9 CACM-1719	82	0.085	0.778
9 CACM-1489	83	0.084	0.778
9 CACM-3090	84	0.083	0.778
9 CACM-2311	85	0.082	0.778
9 CACM-2198	86	0.081	0.778
9 CACM-1032	87	0.08	0.778
9 CACM-1699	88	0.08	0.778
9 CACM-1572	89	0.079	0.778
9 CACM-3059	90	0.078	0.778
9 CACM-3177	91	0.088	0.889
9 CACM-2262	92	0.087	0.889
9 CACM-2379	93	0.086	0.889
9 CACM-2918	94	0.085	0.889
9 CACM-3153	95	0.084	0.889
9 CACM-3038	96	0.083	0.889
9 CACM-3183	97	0.082	0.889
9 CACM-1236	98	0.082	0.889
9 CACM-1695	99	0.081	0.889
9 CACM-3144	100	0.08	0.889
10 CACM-2785	1	1	0.029
10 CACM-2266	2	0.5	0.029
10 CACM-2685	3	0.667	0.057
10 CACM-1795	4	0.75	0.086
10 CACM-2700	5	0.8	0.114
10 CACM-1158	6	0.833	0.143
10 CACM-3075	7	0.857	0.171
10 CACM-1262	8	0.875	0.2
10 CACM-2895	9	0.889	0.229
10 CACM-2973	10	0.8	0.229
10 CACM-2714	11	0.818	0.257
10 CACM-2896	12	0.833	0.286
10 CACM-1601	13	0.846	0.314
10 CACM-3059	14	0.786	0.314
10 CACM-1302	15	0.733	0.314
10 CACM-1828	16	0.688	0.314
10 CACM-0950	17	0.647	0.314
10 CACM-3156	18	0.667	0.343
10 CACM-1468	19	0.632	0.343
10 CACM-2865	20	0.6	0.343
10 CACM-2342	21	0.619	0.371
10 CACM-0141	22	0.591	0.371
10 CACM-2401	23	0.565	0.371
10 CACM-2851	24	0.583	0.4
10 CACM-0392	25	0.56	0.4
10 CACM-2557	26	0.538	0.4
10 CACM-2182	27	0.519	0.4
10 CACM-1536	28	0.5	0.4
10 CACM-2195	29	0.483	0.4
10 CACM-1569	30	0.467	0.4

10 CACM-2175	31	0.452	0.4
10 CACM-3073	32	0.438	0.4
10 CACM-1747	33	0.455	0.429
10 CACM-2570	34	0.441	0.429
10 CACM-1846	35	0.429	0.429
10 CACM-2080	36	0.417	0.429
10 CACM-2433	37	0.432	0.457
10 CACM-1008	38	0.421	0.457
10 CACM-2838	39	0.41	0.457
10 CACM-2727	40	0.4	0.457
10 CACM-1471	41	0.415	0.486
10 CACM-3044	42	0.405	0.486
10 CACM-2289	43	0.419	0.514
10 CACM-1200	44	0.409	0.514
10 CACM-1554	45	0.4	0.514
10 CACM-1603	46	0.391	0.514
10 CACM-2740	47	0.383	0.514
10 CACM-1613	48	0.396	0.543
10 CACM-1957	49	0.388	0.543
10 CACM-0320	50	0.38	0.543
10 CACM-2514	51	0.373	0.543
10 CACM-1959	52	0.365	0.543
10 CACM-3175	53	0.358	0.543
10 CACM-2114	54	0.352	0.543
10 CACM-2898	55	0.345	0.543
10 CACM-2376	56	0.357	0.571
10 CACM-3077	57	0.351	0.571
10 CACM-1341	58	0.345	0.571
10 CACM-1960	59	0.339	0.571
10 CACM-2515	60	0.333	0.571
10 CACM-1325	61	0.328	0.571
10 CACM-2723	62	0.323	0.571
10 CACM-2922	63	0.317	0.571
10 CACM-1409	64	0.312	0.571
10 CACM-1854	65	0.308	0.571
10 CACM-1928	66	0.303	0.571
10 CACM-2497	67	0.299	0.571
10 CACM-2705	68	0.294	0.571
10 CACM-0165	69	0.29	0.571
10 CACM-1811	70	0.3	0.6
10 CACM-1484	71	0.296	0.6
10 CACM-2967	72	0.292	0.6
10 CACM-1543	73	0.288	0.6
10 CACM-1664	74	0.284	0.6
10 CACM-2051	75	0.28	0.6
10 CACM-2692	76	0.276	0.6
10 CACM-1705	77	0.273	0.6
10 CACM-3165	78	0.269	0.6
10 CACM-1411	79	0.266	0.6

10 CACM-1345	80	0.263	0.6
10 CACM-0034	81	0.259	0.6
10 CACM-1869	82	0.256	0.6
10 CACM-0035	83	0.253	0.6
10 CACM-2645	84	0.25	0.6
10 CACM-2534	85	0.247	0.6
10 CACM-1465	86	0.244	0.6
10 CACM-1708	87	0.241	0.6
10 CACM-3071	88	0.239	0.6
10 CACM-1616	89	0.236	0.6
10 CACM-2829	90	0.233	0.6
10 CACM-1819	91	0.231	0.6
10 CACM-2135	92	0.228	0.6
10 CACM-1644	93	0.226	0.6
10 CACM-2824	94	0.223	0.6
10 CACM-3166	95	0.221	0.6
10 CACM-2340	96	0.219	0.6
10 CACM-2707	97	0.216	0.6
10 CACM-2918	98	0.214	0.6
10 CACM-1962	99	0.212	0.6
10 CACM-1363	100	0.21	0.6
11 CACM-2699	1	1	0.053
11 CACM-1923	2	1	0.105
11 CACM-2717	3	0.667	0.105
11 CACM-2906	4	0.75	0.158
11 CACM-3077	5	0.6	0.158
11 CACM-3148	6	0.5	0.158
11 CACM-3171	7	0.429	0.158
11 CACM-3150	8	0.5	0.211
11 CACM-2527	9	0.556	0.263
11 CACM-2705	10	0.5	0.263
11 CACM-2316	11	0.545	0.316
11 CACM-3185	12	0.5	0.316
11 CACM-0265	13	0.462	0.316
11 CACM-2716	14	0.5	0.368
11 CACM-2198	15	0.467	0.368
11 CACM-2246	16	0.5	0.421
11 CACM-0724	17	0.471	0.421
11 CACM-2317	18	0.444	0.421
11 CACM-2320	19	0.421	0.421
11 CACM-3080	20	0.4	0.421
11 CACM-1860	21	0.381	0.421
11 CACM-1872	22	0.364	0.421
11 CACM-2787	23	0.348	0.421
11 CACM-1861	24	0.333	0.421
11 CACM-0731	25	0.32	0.421
11 CACM-2091	26	0.308	0.421
11 CACM-2922	27	0.296	0.421
11 CACM-2081	28	0.286	0.421

11 CACM-1835	29	0.276	0.421
11 CACM-1903	30	0.267	0.421
11 CACM-1627	31	0.258	0.421
11 CACM-0205	32	0.25	0.421
11 CACM-2003	33	0.242	0.421
11 CACM-2645	34	0.235	0.421
11 CACM-2034	35	0.229	0.421
11 CACM-0281	36	0.222	0.421
11 CACM-3057	37	0.216	0.421
11 CACM-1642	38	0.211	0.421
11 CACM-1552	39	0.205	0.421
11 CACM-2898	40	0.2	0.421
11 CACM-0795	41	0.195	0.421
11 CACM-2593	42	0.19	0.421
11 CACM-2603	43	0.186	0.421
11 CACM-2826	44	0.182	0.421
11 CACM-2398	45	0.178	0.421
11 CACM-1676	46	0.174	0.421
11 CACM-3123	47	0.17	0.421
11 CACM-1425	48	0.167	0.421
11 CACM-1223	49	0.163	0.421
11 CACM-1484	50	0.16	0.421
11 CACM-3101	51	0.157	0.421
11 CACM-2897	52	0.154	0.421
11 CACM-1188	53	0.17	0.474
11 CACM-0249	54	0.167	0.474
11 CACM-2867	55	0.164	0.474
11 CACM-1769	56	0.161	0.474
11 CACM-1098	57	0.158	0.474
11 CACM-0111	58	0.155	0.474
11 CACM-1703	59	0.153	0.474
11 CACM-2873	60	0.15	0.474
11 CACM-1472	61	0.148	0.474
11 CACM-1366	62	0.145	0.474
11 CACM-2051	63	0.143	0.474
11 CACM-2765	64	0.141	0.474
11 CACM-2956	65	0.154	0.526
11 CACM-1542	66	0.152	0.526
11 CACM-2928	67	0.149	0.526
11 CACM-2295	68	0.147	0.526
11 CACM-1788	69	0.145	0.526
11 CACM-2651	70	0.143	0.526
11 CACM-1459	71	0.141	0.526
11 CACM-2542	72	0.139	0.526
11 CACM-1462	73	0.137	0.526
11 CACM-1710	74	0.135	0.526
11 CACM-1869	75	0.133	0.526
11 CACM-2112	76	0.132	0.526
11 CACM-1678	77	0.13	0.526

11 CACM-3040	78	0.128	0.526
11 CACM-1466	79	0.127	0.526
11 CACM-2148	80	0.125	0.526
11 CACM-0321	81	0.123	0.526
11 CACM-1852	82	0.122	0.526
11 CACM-1102	83	0.12	0.526
11 CACM-1138	84	0.119	0.526
11 CACM-1142	85	0.118	0.526
11 CACM-2406	86	0.116	0.526
11 CACM-1720	87	0.115	0.526
11 CACM-0463	88	0.114	0.526
11 CACM-2814	89	0.112	0.526
11 CACM-1306	90	0.122	0.579
11 CACM-0651	91	0.121	0.579
11 CACM-0920	92	0.12	0.579
11 CACM-0762	93	0.118	0.579
11 CACM-1179	94	0.117	0.579
11 CACM-3130	95	0.116	0.579
11 CACM-0628	96	0.115	0.579
11 CACM-0479	97	0.113	0.579
11 CACM-0165	98	0.112	0.579
11 CACM-1485	99	0.111	0.579
11 CACM-1496	100	0.11	0.579
12 CACM-3127	1	1	0.2
12 CACM-2111	2	0.5	0.2
12 CACM-3025	3	0.333	0.2
12 CACM-3068	4	0.25	0.2
12 CACM-2246	5	0.4	0.4
12 CACM-2597	6	0.333	0.4
12 CACM-1461	7	0.286	0.4
12 CACM-2151	8	0.25	0.4
12 CACM-3174	9	0.222	0.4
12 CACM-2950	10	0.2	0.4
12 CACM-1930	11	0.182	0.4
12 CACM-1462	12	0.167	0.4
12 CACM-1854	13	0.154	0.4
12 CACM-0855	14	0.143	0.4
12 CACM-1728	15	0.133	0.4
12 CACM-2920	16	0.125	0.4
12 CACM-2867	17	0.118	0.4
12 CACM-1247	18	0.111	0.4
12 CACM-2317	19	0.105	0.4
12 CACM-1750	20	0.1	0.4
12 CACM-2482	21	0.095	0.4
12 CACM-2372	22	0.091	0.4
12 CACM-2622	23	0.087	0.4
12 CACM-2625	24	0.083	0.4
12 CACM-1226	25	0.08	0.4
12 CACM-2740	26	0.077	0.4

12 CACM-2840	27	0.074	0.4
12 CACM-2319	28	0.071	0.4
12 CACM-2069	29	0.069	0.4
12 CACM-1680	30	0.067	0.4
12 CACM-2080	31	0.097	0.6
12 CACM-2541	32	0.094	0.6
12 CACM-2379	33	0.091	0.6
12 CACM-1519	34	0.088	0.6
12 CACM-2424	35	0.086	0.6
12 CACM-1747	36	0.083	0.6
12 CACM-3196	37	0.081	0.6
12 CACM-1902	38	0.079	0.6
12 CACM-2629	39	0.103	0.8
12 CACM-2320	40	0.1	0.8
12 CACM-2621	41	0.098	0.8
12 CACM-1972	42	0.095	0.8
12 CACM-1751	43	0.093	0.8
12 CACM-1853	44	0.091	0.8
12 CACM-0322	45	0.089	0.8
12 CACM-2500	46	0.087	0.8
12 CACM-1324	47	0.085	0.8
12 CACM-2138	48	0.083	0.8
12 CACM-2632	49	0.082	0.8
12 CACM-2768	50	0.08	0.8
12 CACM-1923	51	0.078	0.8
12 CACM-1408	52	0.077	0.8
12 CACM-2624	53	0.075	0.8
12 CACM-2378	54	0.074	0.8
12 CACM-3141	55	0.073	0.8
12 CACM-2358	56	0.071	0.8
12 CACM-2522	57	0.07	0.8
12 CACM-2749	58	0.069	0.8
12 CACM-1951	59	0.068	0.8
12 CACM-2963	60	0.067	0.8
12 CACM-2868	61	0.066	0.8
12 CACM-1752	62	0.065	0.8
12 CACM-1959	63	0.063	0.8
12 CACM-1401	64	0.062	0.8
12 CACM-1884	65	0.062	0.8
12 CACM-3026	66	0.061	0.8
12 CACM-3162	67	0.06	0.8
12 CACM-1236	68	0.059	0.8
12 CACM-2095	69	0.058	0.8
12 CACM-0380	70	0.057	0.8
12 CACM-2036	71	0.056	0.8
12 CACM-1892	72	0.056	0.8
12 CACM-3028	73	0.055	0.8
12 CACM-2345	74	0.054	0.8
12 CACM-2407	75	0.053	0.8

12 CACM-3137	76	0.053	0.8
12 CACM-2374	77	0.052	0.8
12 CACM-2723	78	0.051	0.8
12 CACM-2796	79	0.051	0.8
12 CACM-2297	80	0.05	0.8
12 CACM-2949	81	0.049	0.8
12 CACM-1755	82	0.049	0.8
12 CACM-1472	83	0.048	0.8
12 CACM-1069	84	0.048	0.8
12 CACM-1591	85	0.047	0.8
12 CACM-2184	86	0.047	0.8
12 CACM-2137	87	0.046	0.8
12 CACM-2357	88	0.045	0.8
12 CACM-0941	89	0.045	0.8
12 CACM-1844	90	0.044	0.8
12 CACM-2972	91	0.044	0.8
12 CACM-3005	92	0.043	0.8
12 CACM-2777	93	0.043	0.8
12 CACM-3006	94	0.043	0.8
12 CACM-1699	95	0.042	0.8
12 CACM-2882	96	0.042	0.8
12 CACM-1050	97	0.041	0.8
12 CACM-3050	98	0.041	0.8
12 CACM-1464	99	0.04	0.8
12 CACM-2536	100	0.04	0.8
13 CACM-1947	1	1	0.091
13 CACM-1795	2	1	0.182
13 CACM-3080	3	0.667	0.182
13 CACM-2495	4	0.75	0.273
13 CACM-2897	5	0.8	0.364
13 CACM-3054	6	0.667	0.364
13 CACM-2904	7	0.571	0.364
13 CACM-2253	8	0.5	0.364
13 CACM-2929	9	0.444	0.364
13 CACM-1807	10	0.5	0.455
13 CACM-1886	11	0.455	0.455
13 CACM-2464	12	0.417	0.455
13 CACM-1564	13	0.385	0.455
13 CACM-2944	14	0.357	0.455
13 CACM-2491	15	0.333	0.455
13 CACM-2748	16	0.312	0.455
13 CACM-2835	17	0.294	0.455
13 CACM-1231	18	0.333	0.545
13 CACM-1223	19	0.368	0.636
13 CACM-3175	20	0.35	0.636
13 CACM-2423	21	0.333	0.636
13 CACM-2015	22	0.318	0.636
13 CACM-3066	23	0.304	0.636
13 CACM-2701	24	0.292	0.636

13 CACM-1655	25	0.28	0.636
13 CACM-1362	26	0.269	0.636
13 CACM-0048	27	0.259	0.636
13 CACM-1756	28	0.25	0.636
13 CACM-2611	29	0.241	0.636
13 CACM-2616	30	0.233	0.636
13 CACM-2621	31	0.226	0.636
13 CACM-2858	32	0.219	0.636
13 CACM-1652	33	0.212	0.636
13 CACM-2834	34	0.206	0.636
13 CACM-2107	35	0.2	0.636
13 CACM-2964	36	0.194	0.636
13 CACM-2533	37	0.189	0.636
13 CACM-1992	38	0.184	0.636
13 CACM-2836	39	0.179	0.636
13 CACM-2344	40	0.175	0.636
13 CACM-1676	41	0.171	0.636
13 CACM-2133	42	0.167	0.636
13 CACM-2433	43	0.163	0.636
13 CACM-2290	44	0.159	0.636
13 CACM-0195	45	0.156	0.636
13 CACM-2680	46	0.152	0.636
13 CACM-1651	47	0.149	0.636
13 CACM-0797	48	0.146	0.636
13 CACM-1757	49	0.143	0.636
13 CACM-2537	50	0.14	0.636
13 CACM-1289	51	0.137	0.636
13 CACM-2411	52	0.135	0.636
13 CACM-1670	53	0.132	0.636
13 CACM-1187	54	0.13	0.636
13 CACM-1064	55	0.127	0.636
13 CACM-1414	56	0.125	0.636
13 CACM-0230	57	0.123	0.636
13 CACM-1232	58	0.121	0.636
13 CACM-1165	59	0.119	0.636
13 CACM-0066	60	0.117	0.636
13 CACM-1275	61	0.115	0.636
13 CACM-1973	62	0.113	0.636
13 CACM-2812	63	0.111	0.636
13 CACM-0333	64	0.109	0.636
13 CACM-1066	65	0.108	0.636
13 CACM-1065	66	0.106	0.636
13 CACM-2586	67	0.104	0.636
13 CACM-3083	68	0.103	0.636
13 CACM-1805	69	0.101	0.636
13 CACM-3091	70	0.1	0.636
13 CACM-1204	71	0.099	0.636
13 CACM-3173	72	0.097	0.636
13 CACM-1786	73	0.096	0.636

13 CACM-2552	74	0.095	0.636
13 CACM-2716	75	0.093	0.636
13 CACM-2559	76	0.092	0.636
13 CACM-3125	77	0.091	0.636
13 CACM-0693	78	0.09	0.636
13 CACM-0093	79	0.089	0.636
13 CACM-1331	80	0.087	0.636
13 CACM-3150	81	0.086	0.636
13 CACM-1523	82	0.085	0.636
13 CACM-3018	83	0.084	0.636
13 CACM-2888	84	0.083	0.636
13 CACM-2195	85	0.082	0.636
13 CACM-2821	86	0.081	0.636
13 CACM-3110	87	0.08	0.636
13 CACM-1345	88	0.08	0.636
13 CACM-3171	89	0.079	0.636
13 CACM-2801	90	0.078	0.636
13 CACM-1195	91	0.077	0.636
13 CACM-3005	92	0.076	0.636
13 CACM-2953	93	0.075	0.636
13 CACM-1234	94	0.074	0.636
13 CACM-2134	95	0.074	0.636
13 CACM-0124	96	0.073	0.636
13 CACM-2579	97	0.082	0.727
13 CACM-1658	98	0.082	0.727
13 CACM-2877	99	0.081	0.727
13 CACM-1551	100	0.09	0.818
14 CACM-2348	1	1	0.023
14 CACM-0132	2	0.5	0.023
14 CACM-2563	3	0.667	0.045
14 CACM-0662	4	0.5	0.045
14 CACM-0853	5	0.4	0.045
14 CACM-0701	6	0.333	0.045
14 CACM-2397	7	0.429	0.068
14 CACM-0841	8	0.375	0.068
14 CACM-0862	9	0.333	0.068
14 CACM-0857	10	0.3	0.068
14 CACM-1724	11	0.364	0.091
14 CACM-2716	12	0.417	0.114
14 CACM-2159	13	0.385	0.114
14 CACM-2679	14	0.429	0.136
14 CACM-0860	15	0.4	0.136
14 CACM-2976	16	0.375	0.136
14 CACM-0856	17	0.353	0.136
14 CACM-2575	18	0.333	0.136
14 CACM-3075	19	0.368	0.159
14 CACM-2146	20	0.4	0.182
14 CACM-1796	21	0.381	0.182
14 CACM-0371	22	0.364	0.182

14 CACM-1660	23	0.348	0.182
14 CACM-1952	24	0.333	0.182
14 CACM-0672	25	0.32	0.182
14 CACM-3164	26	0.308	0.182
14 CACM-2007	27	0.296	0.182
14 CACM-1342	28	0.286	0.182
14 CACM-2417	29	0.276	0.182
14 CACM-2830	30	0.267	0.182
14 CACM-0865	31	0.258	0.182
14 CACM-1953	32	0.25	0.182
14 CACM-0677	33	0.242	0.182
14 CACM-2505	34	0.235	0.182
14 CACM-0861	35	0.229	0.182
14 CACM-2362	36	0.222	0.182
14 CACM-3161	37	0.216	0.182
14 CACM-3017	38	0.211	0.182
14 CACM-1765	39	0.205	0.182
14 CACM-0270	40	0.2	0.182
14 CACM-2973	41	0.195	0.182
14 CACM-1619	42	0.19	0.182
14 CACM-2108	43	0.209	0.205
14 CACM-1994	44	0.205	0.205
14 CACM-2235	45	0.2	0.205
14 CACM-2797	46	0.196	0.205
14 CACM-2257	47	0.191	0.205
14 CACM-1831	48	0.188	0.205
14 CACM-0846	49	0.184	0.205
14 CACM-0362	50	0.18	0.205
14 CACM-1192	51	0.176	0.205
14 CACM-1187	52	0.173	0.205
14 CACM-2982	53	0.17	0.205
14 CACM-1799	54	0.167	0.205
14 CACM-2552	55	0.164	0.205
14 CACM-2412	56	0.161	0.205
14 CACM-3123	57	0.158	0.205
14 CACM-3132	58	0.155	0.205
14 CACM-2577	59	0.153	0.205
14 CACM-2069	60	0.15	0.205
14 CACM-1659	61	0.148	0.205
14 CACM-3063	62	0.145	0.205
14 CACM-2781	63	0.143	0.205
14 CACM-2766	64	0.141	0.205
14 CACM-0776	65	0.138	0.205
14 CACM-0507	66	0.136	0.205
14 CACM-1191	67	0.134	0.205
14 CACM-0307	68	0.132	0.205
14 CACM-1992	69	0.13	0.205
14 CACM-0049	70	0.129	0.205
14 CACM-2495	71	0.127	0.205

14 CACM-2586	72	0.125	0.205
14 CACM-1655	73	0.123	0.205
14 CACM-2017	74	0.135	0.227
14 CACM-0138	75	0.133	0.227
14 CACM-0170	76	0.132	0.227
14 CACM-2583	77	0.13	0.227
14 CACM-2704	78	0.128	0.227
14 CACM-2208	79	0.127	0.227
14 CACM-3087	80	0.125	0.227
14 CACM-0850	81	0.123	0.227
14 CACM-3196	82	0.122	0.227
14 CACM-2974	83	0.12	0.227
14 CACM-2408	84	0.119	0.227
14 CACM-1917	85	0.118	0.227
14 CACM-0961	86	0.116	0.227
14 CACM-1668	87	0.115	0.227
14 CACM-1669	88	0.114	0.227
14 CACM-3126	89	0.112	0.227
14 CACM-1922	90	0.111	0.227
14 CACM-2984	91	0.11	0.227
14 CACM-1970	92	0.109	0.227
14 CACM-2173	93	0.108	0.227
14 CACM-1304	94	0.106	0.227
14 CACM-2263	95	0.105	0.227
14 CACM-1957	96	0.104	0.227
14 CACM-0093	97	0.103	0.227
14 CACM-2576	98	0.102	0.227
14 CACM-1971	99	0.101	0.227
14 CACM-2415	100	0.1	0.227
15 CACM-2904	1	0	0
15 CACM-3125	2	0	0
15 CACM-1807	3	0	0
15 CACM-1947	4	0.25	0.1
15 CACM-2835	5	0.2	0.1
15 CACM-2015	6	0.167	0.1
15 CACM-2616	7	0.143	0.1
15 CACM-1231	8	0.25	0.2
15 CACM-2195	9	0.222	0.2
15 CACM-3080	10	0.2	0.2
15 CACM-2344	11	0.182	0.2
15 CACM-2701	12	0.25	0.3
15 CACM-2929	13	0.231	0.3
15 CACM-1795	14	0.214	0.3
15 CACM-2716	15	0.2	0.3
15 CACM-1676	16	0.188	0.3
15 CACM-3054	17	0.176	0.3
15 CACM-2812	18	0.167	0.3
15 CACM-2877	19	0.158	0.3
15 CACM-2464	20	0.15	0.3

15 CACM-2923	21	0.143	0.3
15 CACM-2944	22	0.136	0.3
15 CACM-2836	23	0.13	0.3
15 CACM-2680	24	0.125	0.3
15 CACM-3018	25	0.12	0.3
15 CACM-3069	26	0.115	0.3
15 CACM-1658	27	0.111	0.3
15 CACM-3087	28	0.107	0.3
15 CACM-2388	29	0.103	0.3
15 CACM-2953	30	0.1	0.3
15 CACM-2253	31	0.097	0.3
15 CACM-2537	32	0.094	0.3
15 CACM-2964	33	0.091	0.3
15 CACM-2142	34	0.088	0.3
15 CACM-1223	35	0.086	0.3
15 CACM-2897	36	0.083	0.3
15 CACM-3076	37	0.081	0.3
15 CACM-1195	38	0.079	0.3
15 CACM-2411	39	0.077	0.3
15 CACM-2134	40	0.075	0.3
15 CACM-2699	41	0.073	0.3
15 CACM-1413	42	0.071	0.3
15 CACM-0104	43	0.07	0.3
15 CACM-3020	44	0.068	0.3
15 CACM-1886	45	0.067	0.3
15 CACM-1564	46	0.065	0.3
15 CACM-1719	47	0.064	0.3
15 CACM-2188	48	0.062	0.3
15 CACM-2969	49	0.061	0.3
15 CACM-2321	50	0.06	0.3
15 CACM-2106	51	0.059	0.3
15 CACM-2611	52	0.058	0.3
15 CACM-1974	53	0.057	0.3
15 CACM-0693	54	0.056	0.3
15 CACM-2570	55	0.055	0.3
15 CACM-2858	56	0.054	0.3
15 CACM-2433	57	0.053	0.3
15 CACM-2903	58	0.052	0.3
15 CACM-2000	59	0.051	0.3
15 CACM-3142	60	0.05	0.3
15 CACM-2715	61	0.049	0.3
15 CACM-2579	62	0.048	0.3
15 CACM-1410	63	0.048	0.3
15 CACM-2883	64	0.047	0.3
15 CACM-2133	65	0.046	0.3
15 CACM-3002	66	0.045	0.3
15 CACM-1951	67	0.045	0.3
15 CACM-2495	68	0.059	0.4
15 CACM-2451	69	0.058	0.4

15 CACM-2314	70	0.057	0.4
15 CACM-2290	71	0.056	0.4
15 CACM-2423	72	0.056	0.4
15 CACM-3053	73	0.055	0.4
15 CACM-2940	74	0.054	0.4
15 CACM-3118	75	0.053	0.4
15 CACM-2722	76	0.053	0.4
15 CACM-2685	77	0.065	0.5
15 CACM-2046	78	0.064	0.5
15 CACM-1048	79	0.063	0.5
15 CACM-2827	80	0.062	0.5
15 CACM-3064	81	0.062	0.5
15 CACM-1694	82	0.061	0.5
15 CACM-1928	83	0.06	0.5
15 CACM-1548	84	0.06	0.5
15 CACM-0396	85	0.059	0.5
15 CACM-1397	86	0.058	0.5
15 CACM-2181	87	0.057	0.5
15 CACM-1699	88	0.057	0.5
15 CACM-1392	89	0.056	0.5
15 CACM-0731	90	0.056	0.5
15 CACM-2210	91	0.055	0.5
15 CACM-2943	92	0.054	0.5
15 CACM-1572	93	0.054	0.5
15 CACM-2187	94	0.053	0.5
15 CACM-2541	95	0.053	0.5
15 CACM-1855	96	0.052	0.5
15 CACM-2365	97	0.052	0.5
15 CACM-0040	98	0.051	0.5
15 CACM-2316	99	0.051	0.5
15 CACM-1502	100	0.05	0.5
16 CACM-3141	1	0	0
16 CACM-2080	2	0	0
16 CACM-2378	3	0.333	0.059
16 CACM-1854	4	0.5	0.118
16 CACM-1749	5	0.6	0.176
16 CACM-2920	6	0.5	0.176
16 CACM-2629	7	0.429	0.176
16 CACM-2376	8	0.5	0.235
16 CACM-1750	9	0.444	0.235
16 CACM-2740	10	0.4	0.235
16 CACM-1753	11	0.364	0.235
16 CACM-2342	12	0.417	0.294
16 CACM-1748	13	0.385	0.294
16 CACM-2111	14	0.357	0.294
16 CACM-1032	15	0.333	0.294
16 CACM-2320	16	0.312	0.294
16 CACM-2317	17	0.294	0.294
16 CACM-2298	18	0.278	0.294

16 CACM-3025	19	0.263	0.294
16 CACM-2358	20	0.25	0.294
16 CACM-1135	21	0.238	0.294
16 CACM-1770	22	0.227	0.294
16 CACM-1959	23	0.217	0.294
16 CACM-3127	24	0.208	0.294
16 CACM-0243	25	0.2	0.294
16 CACM-2522	26	0.192	0.294
16 CACM-1752	27	0.185	0.294
16 CACM-3128	28	0.179	0.294
16 CACM-2949	29	0.172	0.294
16 CACM-2519	30	0.167	0.294
16 CACM-2950	31	0.161	0.294
16 CACM-1747	32	0.156	0.294
16 CACM-3002	33	0.152	0.294
16 CACM-0855	34	0.147	0.294
16 CACM-2379	35	0.143	0.294
16 CACM-1199	36	0.139	0.294
16 CACM-2307	37	0.135	0.294
16 CACM-2319	38	0.132	0.294
16 CACM-2184	39	0.128	0.294
16 CACM-2479	40	0.125	0.294
16 CACM-2372	41	0.122	0.294
16 CACM-1976	42	0.119	0.294
16 CACM-1385	43	0.116	0.294
16 CACM-2160	44	0.114	0.294
16 CACM-3090	45	0.111	0.294
16 CACM-2345	46	0.109	0.294
16 CACM-1680	47	0.106	0.294
16 CACM-2407	48	0.104	0.294
16 CACM-1226	49	0.102	0.294
16 CACM-1534	50	0.1	0.294
16 CACM-2597	51	0.098	0.294
16 CACM-2631	52	0.096	0.294
16 CACM-2424	53	0.094	0.294
16 CACM-2888	54	0.093	0.294
16 CACM-0409	55	0.091	0.294
16 CACM-3148	56	0.107	0.353
16 CACM-1653	57	0.105	0.353
16 CACM-3134	58	0.103	0.353
16 CACM-0696	59	0.102	0.353
16 CACM-1677	60	0.1	0.353
16 CACM-2288	61	0.098	0.353
16 CACM-1846	62	0.097	0.353
16 CACM-2688	63	0.095	0.353
16 CACM-2163	64	0.094	0.353
16 CACM-2795	65	0.092	0.353
16 CACM-2867	66	0.091	0.353
16 CACM-2852	67	0.09	0.353

16 CACM-1194	68	0.088	0.353
16 CACM-1745	69	0.087	0.353
16 CACM-1928	70	0.086	0.353
16 CACM-1960	71	0.099	0.412
16 CACM-2812	72	0.097	0.412
16 CACM-1412	73	0.096	0.412
16 CACM-1236	74	0.095	0.412
16 CACM-2500	75	0.107	0.471
16 CACM-2198	76	0.105	0.471
16 CACM-2765	77	0.104	0.471
16 CACM-2840	78	0.103	0.471
16 CACM-2622	79	0.101	0.471
16 CACM-2776	80	0.1	0.471
16 CACM-2181	81	0.099	0.471
16 CACM-3073	82	0.11	0.529
16 CACM-1145	83	0.108	0.529
16 CACM-1457	84	0.107	0.529
16 CACM-2151	85	0.106	0.529
16 CACM-0825	86	0.105	0.529
16 CACM-1728	87	0.103	0.529
16 CACM-3137	88	0.102	0.529
16 CACM-2722	89	0.101	0.529
16 CACM-2947	90	0.1	0.529
16 CACM-1844	91	0.099	0.529
16 CACM-3078	92	0.098	0.529
16 CACM-2979	93	0.097	0.529
16 CACM-2542	94	0.096	0.529
16 CACM-1247	95	0.095	0.529
16 CACM-2684	96	0.094	0.529
16 CACM-2868	97	0.093	0.529
16 CACM-3068	98	0.092	0.529
16 CACM-1195	99	0.091	0.529
16 CACM-1519	100	0.09	0.529
17 CACM-1795	1	0	0
17 CACM-1947	2	0.5	0.062
17 CACM-1223	3	0.667	0.125
17 CACM-3080	4	0.5	0.125
17 CACM-2495	5	0.6	0.188
17 CACM-2897	6	0.5	0.188
17 CACM-1658	7	0.429	0.188
17 CACM-2253	8	0.375	0.188
17 CACM-2491	9	0.333	0.188
17 CACM-3054	10	0.3	0.188
17 CACM-2904	11	0.273	0.188
17 CACM-2748	12	0.25	0.188
17 CACM-1807	13	0.308	0.25
17 CACM-2929	14	0.286	0.25
17 CACM-1134	15	0.333	0.312
17 CACM-1676	16	0.312	0.312

17 CACM-1564	17	0.294	0.312
17 CACM-1886	18	0.278	0.312
17 CACM-2464	19	0.263	0.312
17 CACM-3175	20	0.25	0.312
17 CACM-1231	21	0.286	0.375
17 CACM-2835	22	0.273	0.375
17 CACM-2423	23	0.261	0.375
17 CACM-3005	24	0.25	0.375
17 CACM-2015	25	0.24	0.375
17 CACM-0048	26	0.231	0.375
17 CACM-2701	27	0.222	0.375
17 CACM-1362	28	0.214	0.375
17 CACM-2616	29	0.207	0.375
17 CACM-2621	30	0.2	0.375
17 CACM-2858	31	0.194	0.375
17 CACM-1652	32	0.188	0.375
17 CACM-1523	33	0.182	0.375
17 CACM-2944	34	0.176	0.375
17 CACM-2834	35	0.171	0.375
17 CACM-2344	36	0.167	0.375
17 CACM-2433	37	0.162	0.375
17 CACM-2107	38	0.158	0.375
17 CACM-1752	39	0.154	0.375
17 CACM-3066	40	0.15	0.375
17 CACM-1655	41	0.146	0.375
17 CACM-2812	42	0.143	0.375
17 CACM-2533	43	0.14	0.375
17 CACM-2611	44	0.136	0.375
17 CACM-1756	45	0.133	0.375
17 CACM-3150	46	0.13	0.375
17 CACM-3171	47	0.128	0.375
17 CACM-1973	48	0.125	0.375
17 CACM-1275	49	0.122	0.375
17 CACM-2919	50	0.12	0.375
17 CACM-1670	51	0.118	0.375
17 CACM-2836	52	0.115	0.375
17 CACM-2964	53	0.113	0.375
17 CACM-1389	54	0.111	0.375
17 CACM-2680	55	0.109	0.375
17 CACM-1066	56	0.107	0.375
17 CACM-2821	57	0.105	0.375
17 CACM-1992	58	0.103	0.375
17 CACM-2106	59	0.102	0.375
17 CACM-2133	60	0.1	0.375
17 CACM-1331	61	0.098	0.375
17 CACM-1204	62	0.097	0.375
17 CACM-2716	63	0.095	0.375
17 CACM-3125	64	0.094	0.375
17 CACM-2537	65	0.092	0.375

17 CACM-0123	66	0.091	0.375
17 CACM-3173	67	0.09	0.375
17 CACM-3018	68	0.088	0.375
17 CACM-2411	69	0.087	0.375
17 CACM-1154	70	0.086	0.375
17 CACM-2138	71	0.085	0.375
17 CACM-1786	72	0.083	0.375
17 CACM-2290	73	0.096	0.438
17 CACM-0797	74	0.095	0.438
17 CACM-1757	75	0.093	0.438
17 CACM-0195	76	0.092	0.438
17 CACM-1232	77	0.091	0.438
17 CACM-1542	78	0.09	0.438
17 CACM-1289	79	0.089	0.438
17 CACM-2888	80	0.087	0.438
17 CACM-2195	81	0.086	0.438
17 CACM-1064	82	0.085	0.438
17 CACM-1414	83	0.084	0.438
17 CACM-0230	84	0.083	0.438
17 CACM-2968	85	0.082	0.438
17 CACM-2801	86	0.081	0.438
17 CACM-1187	87	0.08	0.438
17 CACM-1402	88	0.08	0.438
17 CACM-1065	89	0.079	0.438
17 CACM-0066	90	0.078	0.438
17 CACM-0333	91	0.077	0.438
17 CACM-1974	92	0.076	0.438
17 CACM-0252	93	0.075	0.438
17 CACM-1195	94	0.074	0.438
17 CACM-0124	95	0.074	0.438
17 CACM-2877	96	0.073	0.438
17 CACM-3027	97	0.072	0.438
17 CACM-3115	98	0.071	0.438
17 CACM-2134	99	0.071	0.438
17 CACM-2953	100	0.07	0.438
18 CACM-3075	1	0	0
18 CACM-2685	2	0.5	0.091
18 CACM-1795	3	0.333	0.091
18 CACM-2714	4	0.25	0.091
18 CACM-1158	5	0.4	0.182
18 CACM-3156	6	0.333	0.182
18 CACM-2896	7	0.286	0.182
18 CACM-2723	8	0.25	0.182
18 CACM-2570	9	0.222	0.182
18 CACM-3059	10	0.2	0.182
18 CACM-2266	11	0.182	0.182
18 CACM-3175	12	0.167	0.182
18 CACM-2865	13	0.154	0.182
18 CACM-2433	14	0.214	0.273

18 CACM-2401	15	0.2	0.273
18 CACM-1262	16	0.25	0.364
18 CACM-2785	17	0.235	0.364
18 CACM-2973	18	0.222	0.364
18 CACM-1828	19	0.211	0.364
18 CACM-1811	20	0.25	0.455
18 CACM-2175	21	0.286	0.545
18 CACM-1601	22	0.273	0.545
18 CACM-2289	23	0.261	0.545
18 CACM-2895	24	0.25	0.545
18 CACM-0082	25	0.24	0.545
18 CACM-1468	26	0.231	0.545
18 CACM-1923	27	0.222	0.545
18 CACM-1569	28	0.214	0.545
18 CACM-2534	29	0.207	0.545
18 CACM-0950	30	0.2	0.545
18 CACM-1613	31	0.226	0.636
18 CACM-1603	32	0.219	0.636
18 CACM-2342	33	0.212	0.636
18 CACM-1016	34	0.206	0.636
18 CACM-1825	35	0.2	0.636
18 CACM-2138	36	0.194	0.636
18 CACM-1959	37	0.189	0.636
18 CACM-1471	38	0.211	0.727
18 CACM-1536	39	0.205	0.727
18 CACM-2897	40	0.2	0.727
18 CACM-1302	41	0.195	0.727
18 CACM-2851	42	0.19	0.727
18 CACM-2898	43	0.186	0.727
18 CACM-0320	44	0.182	0.727
18 CACM-3077	45	0.178	0.727
18 CACM-2195	46	0.174	0.727
18 CACM-0249	47	0.17	0.727
18 CACM-2557	48	0.167	0.727
18 CACM-1159	49	0.163	0.727
18 CACM-1684	50	0.16	0.727
18 CACM-1957	51	0.157	0.727
18 CACM-1409	52	0.154	0.727
18 CACM-1591	53	0.151	0.727
18 CACM-3147	54	0.148	0.727
18 CACM-1747	55	0.145	0.727
18 CACM-1523	56	0.143	0.727
18 CACM-0281	57	0.14	0.727
18 CACM-1484	58	0.138	0.727
18 CACM-1554	59	0.136	0.727
18 CACM-2064	60	0.133	0.727
18 CACM-1665	61	0.131	0.727
18 CACM-1988	62	0.129	0.727
18 CACM-1204	63	0.127	0.727

18 CACM-0243	64	0.125	0.727
18 CACM-2370	65	0.123	0.727
18 CACM-2497	66	0.121	0.727
18 CACM-2838	67	0.119	0.727
18 CACM-2705	68	0.118	0.727
18 CACM-2620	69	0.116	0.727
18 CACM-2495	70	0.114	0.727
18 CACM-2423	71	0.113	0.727
18 CACM-0670	72	0.111	0.727
18 CACM-3080	73	0.11	0.727
18 CACM-2111	74	0.108	0.727
18 CACM-1928	75	0.107	0.727
18 CACM-2298	76	0.105	0.727
18 CACM-0637	77	0.104	0.727
18 CACM-3110	78	0.103	0.727
18 CACM-0048	79	0.101	0.727
18 CACM-1331	80	0.1	0.727
18 CACM-2843	81	0.099	0.727
18 CACM-2819	82	0.098	0.727
18 CACM-1275	83	0.096	0.727
18 CACM-3005	84	0.095	0.727
18 CACM-1145	85	0.094	0.727
18 CACM-1664	86	0.093	0.727
18 CACM-1543	87	0.092	0.727
18 CACM-0695	88	0.091	0.727
18 CACM-2449	89	0.09	0.727
18 CACM-1295	90	0.089	0.727
18 CACM-3203	91	0.088	0.727
18 CACM-1008	92	0.087	0.727
18 CACM-0124	93	0.086	0.727
18 CACM-2645	94	0.085	0.727
18 CACM-1389	95	0.084	0.727
18 CACM-1362	96	0.083	0.727
18 CACM-2112	97	0.082	0.727
18 CACM-2621	98	0.082	0.727
18 CACM-0303	99	0.081	0.727
18 CACM-2748	100	0.08	0.727
19 CACM-2973	1	1	0.091
19 CACM-3075	2	1	0.182
19 CACM-2266	3	1	0.273
19 CACM-1601	4	1	0.364
19 CACM-3156	5	1	0.455
19 CACM-0950	6	0.833	0.455
19 CACM-2557	7	0.714	0.455
19 CACM-1468	8	0.625	0.455
19 CACM-2714	9	0.667	0.545
19 CACM-1262	10	0.6	0.545
19 CACM-2700	11	0.545	0.545
19 CACM-2896	12	0.5	0.545

19 CACM-2570	13	0.462	0.545
19 CACM-2838	14	0.429	0.545
19 CACM-1158	15	0.4	0.545
19 CACM-2685	16	0.375	0.545
19 CACM-2289	17	0.353	0.545
19 CACM-2785	18	0.333	0.545
19 CACM-0141	19	0.316	0.545
19 CACM-1957	20	0.3	0.545
19 CACM-0392	21	0.286	0.545
19 CACM-1302	22	0.273	0.545
19 CACM-1828	23	0.261	0.545
19 CACM-2182	24	0.25	0.545
19 CACM-2433	25	0.24	0.545
19 CACM-2895	26	0.231	0.545
19 CACM-2342	27	0.222	0.545
19 CACM-1795	28	0.214	0.545
19 CACM-2865	29	0.207	0.545
19 CACM-2401	30	0.2	0.545
19 CACM-2114	31	0.194	0.545
19 CACM-3059	32	0.188	0.545
19 CACM-3073	33	0.182	0.545
19 CACM-2175	34	0.176	0.545
19 CACM-2080	35	0.171	0.545
19 CACM-2195	36	0.167	0.545
19 CACM-2851	37	0.162	0.545
19 CACM-1846	38	0.158	0.545
19 CACM-1569	39	0.154	0.545
19 CACM-2692	40	0.15	0.545
19 CACM-3044	41	0.146	0.545
19 CACM-3006	42	0.143	0.545
19 CACM-2723	43	0.14	0.545
19 CACM-2727	44	0.136	0.545
19 CACM-1008	45	0.133	0.545
19 CACM-1747	46	0.13	0.545
19 CACM-2884	47	0.128	0.545
19 CACM-2740	48	0.125	0.545
19 CACM-2325	49	0.122	0.545
19 CACM-0371	50	0.12	0.545
19 CACM-3166	51	0.118	0.545
19 CACM-2226	52	0.115	0.545
19 CACM-1664	53	0.113	0.545
19 CACM-1554	54	0.111	0.545
19 CACM-1471	55	0.109	0.545
19 CACM-2950	56	0.107	0.545
19 CACM-2902	57	0.105	0.545
19 CACM-1551	58	0.103	0.545
19 CACM-1658	59	0.102	0.545
19 CACM-2903	60	0.1	0.545
19 CACM-2863	61	0.098	0.545

19 CACM-1796	62	0.097	0.545
19 CACM-2283	63	0.095	0.545
19 CACM-2273	64	0.094	0.545
19 CACM-2146	65	0.092	0.545
19 CACM-1603	66	0.091	0.545
19 CACM-1341	67	0.09	0.545
19 CACM-1536	68	0.088	0.545
19 CACM-1924	69	0.087	0.545
19 CACM-1873	70	0.086	0.545
19 CACM-2767	71	0.085	0.545
19 CACM-1200	72	0.083	0.545
19 CACM-2819	73	0.082	0.545
19 CACM-3165	74	0.081	0.545
19 CACM-2007	75	0.08	0.545
19 CACM-2627	76	0.079	0.545
19 CACM-1660	77	0.078	0.545
19 CACM-1952	78	0.077	0.545
19 CACM-3175	79	0.089	0.636
19 CACM-1342	80	0.087	0.636
19 CACM-0320	81	0.086	0.636
19 CACM-2514	82	0.085	0.636
19 CACM-1613	83	0.084	0.636
19 CACM-0804	84	0.083	0.636
19 CACM-0270	85	0.082	0.636
19 CACM-2490	86	0.081	0.636
19 CACM-2376	87	0.08	0.636
19 CACM-2674	88	0.08	0.636
19 CACM-2272	89	0.079	0.636
19 CACM-2417	90	0.078	0.636
19 CACM-1374	91	0.077	0.636
19 CACM-2630	92	0.076	0.636
19 CACM-2997	93	0.075	0.636
19 CACM-2679	94	0.074	0.636
19 CACM-1529	95	0.074	0.636
19 CACM-2725	96	0.073	0.636
19 CACM-2830	97	0.072	0.636
19 CACM-2263	98	0.071	0.636
19 CACM-1953	99	0.071	0.636
19 CACM-1851	100	0.07	0.636
20 CACM-2695	1	1	0.333
20 CACM-2986	2	1	0.667
20 CACM-2769	3	0.667	0.667
20 CACM-2289	4	0.5	0.667
20 CACM-2630	5	0.4	0.667
20 CACM-2490	6	0.333	0.667
20 CACM-3152	7	0.286	0.667
20 CACM-2368	8	0.25	0.667
20 CACM-2780	9	0.222	0.667
20 CACM-2047	10	0.2	0.667

20 CACM-2484	11	0.182	0.667
20 CACM-3139	12	0.167	0.667
20 CACM-2177	13	0.154	0.667
20 CACM-2081	14	0.143	0.667
20 CACM-2290	15	0.133	0.667
20 CACM-2980	16	0.125	0.667
20 CACM-2506	17	0.118	0.667
20 CACM-2199	18	0.111	0.667
20 CACM-2172	19	0.105	0.667
20 CACM-1707	20	0.1	0.667
20 CACM-1457	21	0.095	0.667
20 CACM-2052	22	0.091	0.667
20 CACM-1961	23	0.087	0.667
20 CACM-3156	24	0.083	0.667
20 CACM-2934	25	0.08	0.667
20 CACM-3115	26	0.077	0.667
20 CACM-1847	27	0.074	0.667
20 CACM-2430	28	0.071	0.667
20 CACM-2752	29	0.069	0.667
20 CACM-2619	30	0.067	0.667
20 CACM-2877	31	0.065	0.667
20 CACM-3018	32	0.062	0.667
20 CACM-1504	33	0.061	0.667
20 CACM-2701	34	0.059	0.667
20 CACM-3176	35	0.057	0.667
20 CACM-2059	36	0.056	0.667
20 CACM-2015	37	0.054	0.667
20 CACM-2442	38	0.053	0.667
20 CACM-1347	39	0.051	0.667
20 CACM-2883	40	0.05	0.667
20 CACM-2554	41	0.049	0.667
20 CACM-2461	42	0.048	0.667
20 CACM-1481	43	0.047	0.667
20 CACM-1047	44	0.045	0.667
20 CACM-2790	45	0.044	0.667
20 CACM-3085	46	0.043	0.667
20 CACM-1983	47	0.043	0.667
20 CACM-2161	48	0.042	0.667
20 CACM-2178	49	0.041	0.667
20 CACM-3124	50	0.04	0.667
20 CACM-1456	51	0.039	0.667
20 CACM-2832	52	0.038	0.667
20 CACM-2405	53	0.038	0.667
20 CACM-2805	54	0.037	0.667
20 CACM-1822	55	0.036	0.667
20 CACM-1963	56	0.036	0.667
20 CACM-3040	57	0.035	0.667
20 CACM-0661	58	0.034	0.667
20 CACM-2763	59	0.034	0.667

20 CACM-2950	60	0.033	0.667
20 CACM-2134	61	0.033	0.667
20 CACM-2189	62	0.032	0.667
20 CACM-1787	63	0.032	0.667
20 CACM-0222	64	0.031	0.667
20 CACM-2444	65	0.031	0.667
20 CACM-2053	66	0.03	0.667
20 CACM-1563	67	0.045	1
20 CACM-2267	68	0.044	1
20 CACM-2940	69	0.043	1
20 CACM-0955	70	0.043	1
20 CACM-2806	71	0.042	1
20 CACM-2335	72	0.042	1
20 CACM-2200	73	0.041	1
20 CACM-0144	74	0.041	1
20 CACM-1876	75	0.04	1
20 CACM-2758	76	0.039	1
20 CACM-2133	77	0.039	1
20 CACM-2557	78	0.038	1
20 CACM-1924	79	0.038	1
20 CACM-1934	80	0.037	1
20 CACM-1116	81	0.037	1
20 CACM-1501	82	0.037	1
20 CACM-2568	83	0.036	1
20 CACM-1432	84	0.036	1
20 CACM-3146	85	0.035	1
20 CACM-2824	86	0.035	1
20 CACM-1683	87	0.034	1
20 CACM-0070	88	0.034	1
20 CACM-1935	89	0.034	1
20 CACM-0749	90	0.033	1
20 CACM-0056	91	0.033	1
20 CACM-0315	92	0.033	1
20 CACM-2216	93	0.032	1
20 CACM-1947	94	0.032	1
20 CACM-2890	95	0.032	1
20 CACM-0349	96	0.031	1
20 CACM-0211	97	0.031	1
20 CACM-2778	98	0.031	1
20 CACM-0635	99	0.03	1
20 CACM-0936	100	0.03	1
21 CACM-2337	1	0	0
21 CACM-2325	2	0	0
21 CACM-2997	3	0	0
21 CACM-3086	4	0	0
21 CACM-2932	5	0.2	0.091
21 CACM-2837	6	0.167	0.091
21 CACM-2927	7	0.143	0.091
21 CACM-2110	8	0.125	0.091

21 CACM-3131	9	0.111	0.091
21 CACM-1309	10	0.1	0.091
21 CACM-3018	11	0.182	0.182
21 CACM-3163	12	0.167	0.182
21 CACM-2454	13	0.154	0.182
21 CACM-1658	14	0.143	0.182
21 CACM-3070	15	0.133	0.182
21 CACM-2828	16	0.125	0.182
21 CACM-2368	17	0.118	0.182
21 CACM-3055	18	0.111	0.182
21 CACM-2702	19	0.158	0.273
21 CACM-1805	20	0.15	0.273
21 CACM-3045	21	0.143	0.273
21 CACM-2936	22	0.136	0.273
21 CACM-2950	23	0.13	0.273
21 CACM-2743	24	0.125	0.273
21 CACM-1957	25	0.12	0.273
21 CACM-2784	26	0.115	0.273
21 CACM-3006	27	0.111	0.273
21 CACM-3150	28	0.107	0.273
21 CACM-1016	29	0.103	0.273
21 CACM-1659	30	0.1	0.273
21 CACM-2903	31	0.097	0.273
21 CACM-2953	32	0.094	0.273
21 CACM-1619	33	0.091	0.273
21 CACM-1595	34	0.088	0.273
21 CACM-3037	35	0.086	0.273
21 CACM-2938	36	0.083	0.273
21 CACM-2986	37	0.081	0.273
21 CACM-2499	38	0.079	0.273
21 CACM-2679	39	0.077	0.273
21 CACM-2216	40	0.075	0.273
21 CACM-2251	41	0.073	0.273
21 CACM-0371	42	0.071	0.273
21 CACM-2766	43	0.07	0.273
21 CACM-3166	44	0.068	0.273
21 CACM-2855	45	0.067	0.273
21 CACM-3032	46	0.065	0.273
21 CACM-2289	47	0.064	0.273
21 CACM-2706	48	0.062	0.273
21 CACM-2457	49	0.061	0.273
21 CACM-2365	50	0.06	0.273
21 CACM-3162	51	0.059	0.273
21 CACM-2882	52	0.058	0.273
21 CACM-2912	53	0.057	0.273
21 CACM-1433	54	0.056	0.273
21 CACM-2746	55	0.055	0.273
21 CACM-2092	56	0.054	0.273
21 CACM-2283	57	0.053	0.273

21 CACM-2645	58	0.052	0.273
21 CACM-2524	59	0.051	0.273
21 CACM-2226	60	0.05	0.273
21 CACM-2272	61	0.049	0.273
21 CACM-2033	62	0.048	0.273
21 CACM-0409	63	0.048	0.273
21 CACM-2490	64	0.062	0.364
21 CACM-2627	65	0.062	0.364
21 CACM-2504	66	0.061	0.364
21 CACM-2628	67	0.06	0.364
21 CACM-2874	68	0.059	0.364
21 CACM-2146	69	0.058	0.364
21 CACM-1719	70	0.057	0.364
21 CACM-2884	71	0.056	0.364
21 CACM-2819	72	0.056	0.364
21 CACM-1462	73	0.055	0.364
21 CACM-2703	74	0.068	0.455
21 CACM-2968	75	0.067	0.455
21 CACM-2863	76	0.066	0.455
21 CACM-3140	77	0.065	0.455
21 CACM-2771	78	0.064	0.455
21 CACM-2765	79	0.063	0.455
21 CACM-2417	80	0.062	0.455
21 CACM-2236	81	0.062	0.455
21 CACM-1886	82	0.061	0.455
21 CACM-1529	83	0.06	0.455
21 CACM-2665	84	0.06	0.455
21 CACM-1924	85	0.059	0.455
21 CACM-1465	86	0.058	0.455
21 CACM-1404	87	0.057	0.455
21 CACM-2263	88	0.057	0.455
21 CACM-1752	89	0.056	0.455
21 CACM-2799	90	0.056	0.455
21 CACM-2313	91	0.055	0.455
21 CACM-1491	92	0.054	0.455
21 CACM-2389	93	0.054	0.455
21 CACM-2276	94	0.053	0.455
21 CACM-2892	95	0.053	0.455
21 CACM-3046	96	0.052	0.455
21 CACM-2273	97	0.052	0.455
21 CACM-2127	98	0.051	0.455
21 CACM-1766	99	0.051	0.455
21 CACM-2834	100	0.05	0.455
22 CACM-2473	1	1	0.059
22 CACM-2384	2	1	0.118
22 CACM-2638	3	1	0.176
22 CACM-2441	4	1	0.235
22 CACM-2637	5	1	0.294
22 CACM-2564	6	1	0.353

22 CACM-2913	7	0.857	0.353
22 CACM-2692	8	0.875	0.412
22 CACM-2674	9	0.778	0.412
22 CACM-2678	10	0.8	0.471
22 CACM-2924	11	0.727	0.471
22 CACM-2994	12	0.667	0.471
22 CACM-2402	13	0.615	0.471
22 CACM-1741	14	0.571	0.471
22 CACM-2825	15	0.533	0.471
22 CACM-2004	16	0.5	0.471
22 CACM-3049	17	0.471	0.471
22 CACM-2211	18	0.444	0.471
22 CACM-1978	19	0.421	0.471
22 CACM-2687	20	0.4	0.471
22 CACM-2188	21	0.381	0.471
22 CACM-0266	22	0.364	0.471
22 CACM-2369	23	0.391	0.529
22 CACM-2959	24	0.375	0.529
22 CACM-0033	25	0.36	0.529
22 CACM-3149	26	0.385	0.588
22 CACM-2751	27	0.407	0.647
22 CACM-2329	28	0.393	0.647
22 CACM-2152	29	0.379	0.647
22 CACM-2845	30	0.367	0.647
22 CACM-2486	31	0.355	0.647
22 CACM-2967	32	0.344	0.647
22 CACM-2327	33	0.333	0.647
22 CACM-0087	34	0.324	0.647
22 CACM-1742	35	0.314	0.647
22 CACM-2771	36	0.306	0.647
22 CACM-1551	37	0.297	0.647
22 CACM-2367	38	0.289	0.647
22 CACM-1891	39	0.282	0.647
22 CACM-3116	40	0.3	0.706
22 CACM-2078	41	0.293	0.706
22 CACM-2325	42	0.286	0.706
22 CACM-2494	43	0.279	0.706
22 CACM-1014	44	0.273	0.706
22 CACM-2221	45	0.267	0.706
22 CACM-2201	46	0.261	0.706
22 CACM-0188	47	0.255	0.706
22 CACM-2547	48	0.25	0.706
22 CACM-2827	49	0.265	0.765
22 CACM-2902	50	0.26	0.765
22 CACM-2421	51	0.255	0.765
22 CACM-0122	52	0.25	0.765
22 CACM-3141	53	0.245	0.765
22 CACM-2426	54	0.241	0.765
22 CACM-1697	55	0.236	0.765

22 CACM-2826	56	0.232	0.765
22 CACM-1172	57	0.228	0.765
22 CACM-2820	58	0.224	0.765
22 CACM-1796	59	0.22	0.765
22 CACM-2273	60	0.217	0.765
22 CACM-2973	61	0.213	0.765
22 CACM-2708	62	0.21	0.765
22 CACM-2829	63	0.222	0.824
22 CACM-2663	64	0.219	0.824
22 CACM-1181	65	0.215	0.824
22 CACM-1658	66	0.212	0.824
22 CACM-2919	67	0.209	0.824
22 CACM-2306	68	0.206	0.824
22 CACM-1373	69	0.203	0.824
22 CACM-1735	70	0.2	0.824
22 CACM-3111	71	0.197	0.824
22 CACM-2368	72	0.194	0.824
22 CACM-1915	73	0.192	0.824
22 CACM-2672	74	0.189	0.824
22 CACM-3032	75	0.187	0.824
22 CACM-1680	76	0.184	0.824
22 CACM-2226	77	0.182	0.824
22 CACM-2873	78	0.179	0.824
22 CACM-2925	79	0.177	0.824
22 CACM-2341	80	0.175	0.824
22 CACM-0217	81	0.173	0.824
22 CACM-0557	82	0.171	0.824
22 CACM-2007	83	0.169	0.824
22 CACM-0859	84	0.167	0.824
22 CACM-1000	85	0.165	0.824
22 CACM-1660	86	0.163	0.824
22 CACM-1952	87	0.161	0.824
22 CACM-3136	88	0.159	0.824
22 CACM-0725	89	0.157	0.824
22 CACM-0998	90	0.156	0.824
22 CACM-0037	91	0.154	0.824
22 CACM-0237	92	0.152	0.824
22 CACM-1342	93	0.151	0.824
22 CACM-0417	94	0.149	0.824
22 CACM-0436	95	0.147	0.824
22 CACM-0997	96	0.146	0.824
22 CACM-2503	97	0.144	0.824
22 CACM-1103	98	0.143	0.824
22 CACM-2573	99	0.141	0.824
22 CACM-0270	100	0.14	0.824
23 CACM-3137	1	1	0.25
23 CACM-2849	2	1	0.5
23 CACM-3148	3	1	0.75
23 CACM-2949	4	0.75	0.75

23 CACM-3128	5	0.6	0.75
23 CACM-3082	6	0.5	0.75
23 CACM-1745	7	0.429	0.75
23 CACM-2197	8	0.375	0.75
23 CACM-2371	9	0.333	0.75
23 CACM-2357	10	0.3	0.75
23 CACM-3043	11	0.273	0.75
23 CACM-1747	12	0.25	0.75
23 CACM-2578	13	0.308	1
23 CACM-3025	14	0.286	1
23 CACM-3011	15	0.267	1
23 CACM-2951	16	0.25	1
23 CACM-2276	17	0.235	1
23 CACM-2890	18	0.222	1
23 CACM-1571	19	0.211	1
23 CACM-2594	20	0.2	1
23 CACM-3158	21	0.19	1
23 CACM-3090	22	0.182	1
23 CACM-1862	23	0.174	1
23 CACM-0052	24	0.167	1
23 CACM-3174	25	0.16	1
23 CACM-0088	26	0.154	1
23 CACM-1153	27	0.148	1
23 CACM-2311	28	0.143	1
23 CACM-1780	29	0.138	1
23 CACM-1889	30	0.133	1
23 CACM-2816	31	0.129	1
23 CACM-1959	32	0.125	1
23 CACM-1753	33	0.121	1
23 CACM-1525	34	0.118	1
23 CACM-2406	35	0.114	1
23 CACM-2969	36	0.111	1
23 CACM-1811	37	0.108	1
23 CACM-2741	38	0.105	1
23 CACM-1937	39	0.103	1
23 CACM-2900	40	0.1	1
23 CACM-2685	41	0.098	1
23 CACM-2812	42	0.095	1
23 CACM-2948	43	0.093	1
23 CACM-1604	44	0.091	1
23 CACM-1010	45	0.089	1
23 CACM-2169	46	0.087	1
23 CACM-2718	47	0.085	1
23 CACM-1417	48	0.083	1
23 CACM-0854	49	0.082	1
23 CACM-2541	50	0.08	1
23 CACM-2867	51	0.078	1
23 CACM-2542	52	0.077	1
23 CACM-1472	53	0.075	1

23 CACM-2188	54	0.074	1
23 CACM-2934	55	0.073	1
23 CACM-3147	56	0.071	1
23 CACM-1224	57	0.07	1
23 CACM-2926	58	0.069	1
23 CACM-2105	59	0.068	1
23 CACM-2954	60	0.067	1
23 CACM-1844	61	0.066	1
23 CACM-3035	62	0.065	1
23 CACM-2452	63	0.063	1
23 CACM-2630	64	0.062	1
23 CACM-2003	65	0.062	1
23 CACM-2810	66	0.061	1
23 CACM-1746	67	0.06	1
23 CACM-1915	68	0.059	1
23 CACM-2999	69	0.058	1
23 CACM-3141	70	0.057	1
23 CACM-1810	71	0.056	1
23 CACM-2848	72	0.056	1
23 CACM-2833	73	0.055	1
23 CACM-3070	74	0.054	1
23 CACM-2379	75	0.053	1
23 CACM-2918	76	0.053	1
23 CACM-1411	77	0.052	1
23 CACM-1960	78	0.051	1
23 CACM-2380	79	0.051	1
23 CACM-1605	80	0.05	1
23 CACM-2860	81	0.049	1
23 CACM-1252	82	0.049	1
23 CACM-1484	83	0.048	1
23 CACM-2596	84	0.048	1
23 CACM-2868	85	0.047	1
23 CACM-2319	86	0.047	1
23 CACM-2219	87	0.046	1
23 CACM-2756	88	0.045	1
23 CACM-2035	89	0.045	1
23 CACM-1750	90	0.044	1
23 CACM-2373	91	0.044	1
23 CACM-3049	92	0.043	1
23 CACM-1534	93	0.043	1
23 CACM-2971	94	0.043	1
23 CACM-1469	95	0.042	1
23 CACM-1680	96	0.042	1
23 CACM-2822	97	0.041	1
23 CACM-3084	98	0.041	1
23 CACM-2078	99	0.04	1
23 CACM-2780	100	0.04	1
24 CACM-1696	1	1	0.077
24 CACM-0268	2	0.5	0.077

24 CACM-1410	3	0.333	0.077
24 CACM-2882	4	0.25	0.077
24 CACM-1540	5	0.2	0.077
24 CACM-0020	6	0.167	0.077
24 CACM-2767	7	0.143	0.077
24 CACM-1435	8	0.125	0.077
24 CACM-2742	9	0.111	0.077
24 CACM-3120	10	0.1	0.077
24 CACM-1194	11	0.091	0.077
24 CACM-1892	12	0.167	0.154
24 CACM-1846	13	0.154	0.154
24 CACM-3141	14	0.143	0.154
24 CACM-1235	15	0.133	0.154
24 CACM-3105	16	0.125	0.154
24 CACM-3043	17	0.118	0.154
24 CACM-3087	18	0.111	0.154
24 CACM-2535	19	0.105	0.154
24 CACM-2082	20	0.1	0.154
24 CACM-2342	21	0.095	0.154
24 CACM-2376	22	0.091	0.154
24 CACM-2740	23	0.087	0.154
24 CACM-0942	24	0.083	0.154
24 CACM-0298	25	0.08	0.154
24 CACM-2150	26	0.077	0.154
24 CACM-1673	27	0.074	0.154
24 CACM-3039	28	0.071	0.154
24 CACM-0412	29	0.069	0.154
24 CACM-1749	30	0.067	0.154
24 CACM-2162	31	0.065	0.154
24 CACM-2268	32	0.062	0.154
24 CACM-2320	33	0.061	0.154
24 CACM-2371	34	0.059	0.154
24 CACM-3073	35	0.057	0.154
24 CACM-1554	36	0.056	0.154
24 CACM-2409	37	0.054	0.154
24 CACM-1748	38	0.053	0.154
24 CACM-2672	39	0.051	0.154
24 CACM-1518	40	0.05	0.154
24 CACM-3128	41	0.049	0.154
24 CACM-1535	42	0.048	0.154
24 CACM-2255	43	0.047	0.154
24 CACM-2504	44	0.045	0.154
24 CACM-1008	45	0.044	0.154
24 CACM-2378	46	0.043	0.154
24 CACM-2228	47	0.043	0.154
24 CACM-1753	48	0.042	0.154
24 CACM-1145	49	0.041	0.154
24 CACM-2080	50	0.04	0.154
24 CACM-0293	51	0.039	0.154

24 CACM-0618	52	0.038	0.154
24 CACM-0927	53	0.038	0.154
24 CACM-2912	54	0.037	0.154
24 CACM-2210	55	0.036	0.154
24 CACM-2844	56	0.036	0.154
24 CACM-3078	57	0.053	0.231
24 CACM-2920	58	0.052	0.231
24 CACM-0224	59	0.051	0.231
24 CACM-2826	60	0.05	0.231
24 CACM-1198	61	0.049	0.231
24 CACM-3184	62	0.048	0.231
24 CACM-2705	63	0.048	0.231
24 CACM-0961	64	0.047	0.231
24 CACM-1441	65	0.046	0.231
24 CACM-1135	66	0.045	0.231
24 CACM-2327	67	0.045	0.231
24 CACM-1272	68	0.044	0.231
24 CACM-1438	69	0.043	0.231
24 CACM-1541	70	0.043	0.231
24 CACM-1925	71	0.042	0.231
24 CACM-1928	72	0.042	0.231
24 CACM-2523	73	0.041	0.231
24 CACM-2196	74	0.041	0.231
24 CACM-0825	75	0.04	0.231
24 CACM-2273	76	0.039	0.231
24 CACM-2895	77	0.039	0.231
24 CACM-2186	78	0.038	0.231
24 CACM-1563	79	0.038	0.231
24 CACM-2903	80	0.037	0.231
24 CACM-3020	81	0.037	0.231
24 CACM-1703	82	0.037	0.231
24 CACM-3140	83	0.036	0.231
24 CACM-2753	84	0.036	0.231
24 CACM-1587	85	0.035	0.231
24 CACM-1003	86	0.035	0.231
24 CACM-2285	87	0.034	0.231
24 CACM-2633	88	0.034	0.231
24 CACM-1458	89	0.034	0.231
24 CACM-2848	90	0.033	0.231
24 CACM-3059	91	0.033	0.231
24 CACM-1180	92	0.033	0.231
24 CACM-3132	93	0.032	0.231
24 CACM-1960	94	0.032	0.231
24 CACM-2522	95	0.032	0.231
24 CACM-2581	96	0.031	0.231
24 CACM-2215	97	0.031	0.231
24 CACM-1110	98	0.031	0.231
24 CACM-2217	99	0.03	0.231
24 CACM-2203	100	0.03	0.231

25 CACM-2318	1	1	0.02
25 CACM-2812	2	0.5	0.02
25 CACM-2452	3	0.667	0.039
25 CACM-2319	4	0.75	0.059
25 CACM-2542	5	0.6	0.059
25 CACM-1719	6	0.667	0.078
25 CACM-3119	7	0.714	0.098
25 CACM-1653	8	0.75	0.118
25 CACM-3089	9	0.778	0.137
25 CACM-2882	10	0.7	0.137
25 CACM-2984	11	0.727	0.157
25 CACM-2741	12	0.75	0.176
25 CACM-1908	13	0.692	0.176
25 CACM-2268	14	0.643	0.176
25 CACM-3136	15	0.6	0.176
25 CACM-1938	16	0.562	0.176
25 CACM-2765	17	0.588	0.196
25 CACM-2894	18	0.556	0.196
25 CACM-2988	19	0.579	0.216
25 CACM-3028	20	0.55	0.216
25 CACM-2990	21	0.524	0.216
25 CACM-1750	22	0.5	0.216
25 CACM-2522	23	0.478	0.216
25 CACM-3070	24	0.458	0.216
25 CACM-1032	25	0.44	0.216
25 CACM-2634	26	0.423	0.216
25 CACM-1267	27	0.407	0.216
25 CACM-2798	28	0.429	0.235
25 CACM-3048	29	0.448	0.255
25 CACM-2151	30	0.433	0.255
25 CACM-2375	31	0.419	0.255
25 CACM-2298	32	0.406	0.255
25 CACM-1747	33	0.394	0.255
25 CACM-2344	34	0.382	0.255
25 CACM-1844	35	0.371	0.255
25 CACM-1827	36	0.361	0.255
25 CACM-2017	37	0.351	0.255
25 CACM-1518	38	0.368	0.275
25 CACM-1959	39	0.359	0.275
25 CACM-2535	40	0.375	0.294
25 CACM-1792	41	0.366	0.294
25 CACM-1572	42	0.381	0.314
25 CACM-1534	43	0.372	0.314
25 CACM-1435	44	0.364	0.314
25 CACM-2951	45	0.356	0.314
25 CACM-2188	46	0.348	0.314
25 CACM-0855	47	0.34	0.314
25 CACM-1030	48	0.333	0.314
25 CACM-3072	49	0.327	0.314

25 CACM-1671	50	0.32	0.314
25 CACM-2407	51	0.314	0.314
25 CACM-2852	52	0.308	0.314
25 CACM-1699	53	0.302	0.314
25 CACM-1854	54	0.296	0.314
25 CACM-1728	55	0.291	0.314
25 CACM-2105	56	0.286	0.314
25 CACM-1571	57	0.281	0.314
25 CACM-1892	58	0.293	0.333
25 CACM-2016	59	0.288	0.333
25 CACM-1901	60	0.3	0.353
25 CACM-2314	61	0.295	0.353
25 CACM-2738	62	0.29	0.353
25 CACM-0671	63	0.286	0.353
25 CACM-3174	64	0.281	0.353
25 CACM-2892	65	0.277	0.353
25 CACM-3088	66	0.288	0.373
25 CACM-1503	67	0.284	0.373
25 CACM-2571	68	0.279	0.373
25 CACM-3147	69	0.275	0.373
25 CACM-1252	70	0.271	0.373
25 CACM-2859	71	0.282	0.392
25 CACM-2322	72	0.278	0.392
25 CACM-0695	73	0.274	0.392
25 CACM-2317	74	0.27	0.392
25 CACM-2111	75	0.267	0.392
25 CACM-3025	76	0.263	0.392
25 CACM-1347	77	0.26	0.392
25 CACM-3091	78	0.256	0.392
25 CACM-1689	79	0.253	0.392
25 CACM-2541	80	0.25	0.392
25 CACM-1805	81	0.259	0.412
25 CACM-1940	82	0.256	0.412
25 CACM-2669	83	0.265	0.431
25 CACM-2626	84	0.262	0.431
25 CACM-3150	85	0.259	0.431
25 CACM-2106	86	0.256	0.431
25 CACM-3153	87	0.253	0.431
25 CACM-1529	88	0.25	0.431
25 CACM-1484	89	0.247	0.431
25 CACM-2679	90	0.244	0.431
25 CACM-1978	91	0.242	0.431
25 CACM-1677	92	0.239	0.431
25 CACM-2849	93	0.237	0.431
25 CACM-3050	94	0.234	0.431
25 CACM-1341	95	0.232	0.431
25 CACM-2145	96	0.229	0.431
25 CACM-1188	97	0.227	0.431
25 CACM-2538	98	0.224	0.431

25 CACM-1748	99	0.222	0.431
25 CACM-2163	100	0.22	0.431
26 CACM-2840	1	0	0
26 CACM-2626	2	0	0
26 CACM-2372	3	0	0
26 CACM-1750	4	0	0
26 CACM-2938	5	0.2	0.033
26 CACM-2632	6	0.333	0.067
26 CACM-3025	7	0.286	0.067
26 CACM-3068	8	0.25	0.067
26 CACM-2080	9	0.333	0.1
26 CACM-2541	10	0.4	0.133
26 CACM-2597	11	0.455	0.167
26 CACM-2379	12	0.5	0.2
26 CACM-3127	13	0.462	0.2
26 CACM-1680	14	0.429	0.2
26 CACM-1591	15	0.4	0.2
26 CACM-3128	16	0.438	0.233
26 CACM-2317	17	0.412	0.233
26 CACM-2740	18	0.444	0.267
26 CACM-3011	19	0.421	0.267
26 CACM-3026	20	0.4	0.267
26 CACM-1805	21	0.381	0.267
26 CACM-2319	22	0.364	0.267
26 CACM-1752	23	0.348	0.267
26 CACM-2111	24	0.333	0.267
26 CACM-1677	25	0.32	0.267
26 CACM-2878	26	0.308	0.267
26 CACM-2629	27	0.296	0.267
26 CACM-2151	28	0.286	0.267
26 CACM-1747	29	0.276	0.267
26 CACM-2314	30	0.267	0.267
26 CACM-1959	31	0.258	0.267
26 CACM-2867	32	0.25	0.267
26 CACM-3050	33	0.242	0.267
26 CACM-2920	34	0.235	0.267
26 CACM-2358	35	0.229	0.267
26 CACM-2377	36	0.222	0.267
26 CACM-1671	37	0.216	0.267
26 CACM-1728	38	0.211	0.267
26 CACM-2345	39	0.205	0.267
26 CACM-2424	40	0.2	0.267
26 CACM-1226	41	0.195	0.267
26 CACM-0696	42	0.19	0.267
26 CACM-3105	43	0.186	0.267
26 CACM-1534	44	0.182	0.267
26 CACM-1751	45	0.178	0.267
26 CACM-1247	46	0.174	0.267
26 CACM-1844	47	0.17	0.267

26 CACM-2500	48	0.167	0.267
26 CACM-1754	49	0.163	0.267
26 CACM-1264	50	0.16	0.267
26 CACM-3028	51	0.157	0.267
26 CACM-1033	52	0.154	0.267
26 CACM-2407	53	0.151	0.267
26 CACM-2868	54	0.148	0.267
26 CACM-2577	55	0.145	0.267
26 CACM-2311	56	0.143	0.267
26 CACM-1341	57	0.14	0.267
26 CACM-2622	58	0.138	0.267
26 CACM-2522	59	0.136	0.267
26 CACM-0059	60	0.133	0.267
26 CACM-1476	61	0.131	0.267
26 CACM-2668	62	0.129	0.267
26 CACM-2378	63	0.127	0.267
26 CACM-2852	64	0.125	0.267
26 CACM-2624	65	0.123	0.267
26 CACM-2950	66	0.121	0.267
26 CACM-1236	67	0.119	0.267
26 CACM-3153	68	0.118	0.267
26 CACM-3137	69	0.116	0.267
26 CACM-1647	70	0.114	0.267
26 CACM-3072	71	0.113	0.267
26 CACM-0084	72	0.111	0.267
26 CACM-3174	73	0.11	0.267
26 CACM-3183	74	0.108	0.267
26 CACM-0322	75	0.107	0.267
26 CACM-2297	76	0.105	0.267
26 CACM-2939	77	0.104	0.267
26 CACM-2988	78	0.103	0.267
26 CACM-1462	79	0.101	0.267
26 CACM-2320	80	0.113	0.3
26 CACM-2870	81	0.111	0.3
26 CACM-0617	82	0.11	0.3
26 CACM-2888	83	0.108	0.3
26 CACM-1519	84	0.107	0.3
26 CACM-2439	85	0.106	0.3
26 CACM-1290	86	0.105	0.3
26 CACM-2817	87	0.103	0.3
26 CACM-0086	88	0.102	0.3
26 CACM-2321	89	0.101	0.3
26 CACM-1304	90	0.1	0.3
26 CACM-1892	91	0.099	0.3
26 CACM-2496	92	0.098	0.3
26 CACM-1464	93	0.097	0.3
26 CACM-2985	94	0.096	0.3
26 CACM-2482	95	0.095	0.3
26 CACM-2535	96	0.094	0.3

26 CACM-2578	97	0.093	0.3
26 CACM-1463	98	0.092	0.3
26 CACM-0971	99	0.091	0.3
26 CACM-2069	100	0.09	0.3
27 CACM-2297	1	1	0.034
27 CACM-2988	2	1	0.069
27 CACM-2358	3	0.667	0.069
27 CACM-0855	4	0.5	0.069
27 CACM-2902	5	0.6	0.103
27 CACM-1752	6	0.667	0.138
27 CACM-3006	7	0.571	0.138
27 CACM-2798	8	0.625	0.172
27 CACM-2669	9	0.667	0.207
27 CACM-1901	10	0.7	0.241
27 CACM-1892	11	0.636	0.241
27 CACM-2069	12	0.583	0.241
27 CACM-2859	13	0.615	0.276
27 CACM-3000	14	0.643	0.31
27 CACM-1728	15	0.6	0.31
27 CACM-2479	16	0.562	0.31
27 CACM-1750	17	0.588	0.345
27 CACM-1924	18	0.556	0.345
27 CACM-2625	19	0.526	0.345
27 CACM-1751	20	0.5	0.345
27 CACM-2867	21	0.476	0.345
27 CACM-2374	22	0.455	0.345
27 CACM-2864	23	0.478	0.379
27 CACM-1753	24	0.458	0.379
27 CACM-2481	25	0.48	0.414
27 CACM-2017	26	0.462	0.414
27 CACM-2262	27	0.444	0.414
27 CACM-2918	28	0.464	0.448
27 CACM-1959	29	0.448	0.448
27 CACM-3153	30	0.433	0.448
27 CACM-2852	31	0.419	0.448
27 CACM-3067	32	0.406	0.448
27 CACM-1845	33	0.394	0.448
27 CACM-2319	34	0.382	0.448
27 CACM-2967	35	0.371	0.448
27 CACM-2372	36	0.361	0.448
27 CACM-1708	37	0.351	0.448
27 CACM-2668	38	0.342	0.448
27 CACM-1725	39	0.333	0.448
27 CACM-2868	40	0.325	0.448
27 CACM-1747	41	0.317	0.448
27 CACM-1677	42	0.31	0.448
27 CACM-2311	43	0.302	0.448
27 CACM-2111	44	0.295	0.448
27 CACM-2582	45	0.289	0.448

27 CACM-2435	46	0.304	0.483
27 CACM-3011	47	0.298	0.483
27 CACM-1641	48	0.312	0.517
27 CACM-3118	49	0.306	0.517
27 CACM-1657	50	0.3	0.517
27 CACM-2681	51	0.294	0.517
27 CACM-2095	52	0.308	0.552
27 CACM-2277	53	0.302	0.552
27 CACM-2406	54	0.296	0.552
27 CACM-2928	55	0.291	0.552
27 CACM-2343	56	0.286	0.552
27 CACM-3025	57	0.281	0.552
27 CACM-2626	58	0.276	0.552
27 CACM-2740	59	0.271	0.552
27 CACM-2624	60	0.267	0.552
27 CACM-3068	61	0.262	0.552
27 CACM-2365	62	0.258	0.552
27 CACM-2526	63	0.254	0.552
27 CACM-1826	64	0.25	0.552
27 CACM-0059	65	0.246	0.552
27 CACM-1844	66	0.242	0.552
27 CACM-2378	67	0.239	0.552
27 CACM-2198	68	0.235	0.552
27 CACM-2911	69	0.232	0.552
27 CACM-2863	70	0.229	0.552
27 CACM-2407	71	0.225	0.552
27 CACM-0084	72	0.222	0.552
27 CACM-2985	73	0.219	0.552
27 CACM-2151	74	0.216	0.552
27 CACM-1810	75	0.213	0.552
27 CACM-3050	76	0.211	0.552
27 CACM-1912	77	0.208	0.552
27 CACM-2396	78	0.205	0.552
27 CACM-0086	79	0.203	0.552
27 CACM-2379	80	0.2	0.552
27 CACM-2314	81	0.198	0.552
27 CACM-1154	82	0.195	0.552
27 CACM-1471	83	0.193	0.552
27 CACM-2516	84	0.19	0.552
27 CACM-1856	85	0.188	0.552
27 CACM-1854	86	0.186	0.552
27 CACM-1409	87	0.184	0.552
27 CACM-3026	88	0.182	0.552
27 CACM-2950	89	0.18	0.552
27 CACM-2818	90	0.189	0.586
27 CACM-2500	91	0.187	0.586
27 CACM-2208	92	0.185	0.586
27 CACM-3174	93	0.183	0.586
27 CACM-3092	94	0.181	0.586

27 CACM-3142	95	0.179	0.586
27 CACM-2597	96	0.177	0.586
27 CACM-2298	97	0.175	0.586
27 CACM-1226	98	0.173	0.586
27 CACM-3072	99	0.172	0.586
27 CACM-3090	100	0.17	0.586
28 CACM-3032	1	1	0.2
28 CACM-2949	2	1	0.4
28 CACM-2890	3	1	0.6
28 CACM-2892	4	0.75	0.6
28 CACM-2849	5	0.8	0.8
28 CACM-1685	6	0.667	0.8
28 CACM-2951	7	0.571	0.8
28 CACM-2371	8	0.5	0.8
28 CACM-2776	9	0.444	0.8
28 CACM-3158	10	0.4	0.8
28 CACM-2197	11	0.364	0.8
28 CACM-1928	12	0.333	0.8
28 CACM-1695	13	0.308	0.8
28 CACM-2274	14	0.286	0.8
28 CACM-2515	15	0.267	0.8
28 CACM-2177	16	0.25	0.8
28 CACM-1989	17	0.235	0.8
28 CACM-2969	18	0.222	0.8
28 CACM-1723	19	0.211	0.8
28 CACM-0441	20	0.2	0.8
28 CACM-1611	21	0.19	0.8
28 CACM-3070	22	0.182	0.8
28 CACM-1846	23	0.174	0.8
28 CACM-0828	24	0.167	0.8
28 CACM-1261	25	0.16	0.8
28 CACM-1315	26	0.154	0.8
28 CACM-3040	27	0.148	0.8
28 CACM-2712	28	0.143	0.8
28 CACM-3076	29	0.138	0.8
28 CACM-2046	30	0.133	0.8
28 CACM-2894	31	0.129	0.8
28 CACM-2581	32	0.125	0.8
28 CACM-3133	33	0.121	0.8
28 CACM-3059	34	0.118	0.8
28 CACM-1696	35	0.114	0.8
28 CACM-1034	36	0.111	0.8
28 CACM-2988	37	0.108	0.8
28 CACM-2948	38	0.105	0.8
28 CACM-2841	39	0.103	0.8
28 CACM-2668	40	0.1	0.8
28 CACM-2454	41	0.098	0.8
28 CACM-0367	42	0.095	0.8
28 CACM-1572	43	0.093	0.8

28 CACM-2289	44	0.091	0.8
28 CACM-2630	45	0.089	0.8
28 CACM-1464	46	0.087	0.8
28 CACM-1877	47	0.085	0.8
28 CACM-1307	48	0.083	0.8
28 CACM-3038	49	0.082	0.8
28 CACM-1258	50	0.08	0.8
28 CACM-2535	51	0.078	0.8
28 CACM-0492	52	0.077	0.8
28 CACM-1890	53	0.075	0.8
28 CACM-3181	54	0.074	0.8
28 CACM-1516	55	0.073	0.8
28 CACM-2900	56	0.071	0.8
28 CACM-3082	57	0.07	0.8
28 CACM-2153	58	0.069	0.8
28 CACM-3087	59	0.068	0.8
28 CACM-2247	60	0.067	0.8
28 CACM-2092	61	0.066	0.8
28 CACM-2572	62	0.065	0.8
28 CACM-3085	63	0.063	0.8
28 CACM-1170	64	0.062	0.8
28 CACM-1108	65	0.062	0.8
28 CACM-2887	66	0.061	0.8
28 CACM-3080	67	0.06	0.8
28 CACM-1710	68	0.059	0.8
28 CACM-1844	69	0.058	0.8
28 CACM-3153	70	0.057	0.8
28 CACM-2390	71	0.056	0.8
28 CACM-1892	72	0.056	0.8
28 CACM-2973	73	0.055	0.8
28 CACM-1750	74	0.054	0.8
28 CACM-1458	75	0.053	0.8
28 CACM-2344	76	0.053	0.8
28 CACM-2955	77	0.052	0.8
28 CACM-3012	78	0.051	0.8
28 CACM-3002	79	0.051	0.8
28 CACM-2598	80	0.05	0.8
28 CACM-3164	81	0.049	0.8
28 CACM-1393	82	0.049	0.8
28 CACM-1811	83	0.048	0.8
28 CACM-2380	84	0.048	0.8
28 CACM-2571	85	0.047	0.8
28 CACM-1032	86	0.047	0.8
28 CACM-1728	87	0.046	0.8
28 CACM-1502	88	0.045	0.8
28 CACM-2450	89	0.045	0.8
28 CACM-1427	90	0.044	0.8
28 CACM-2401	91	0.044	0.8
28 CACM-0409	92	0.043	0.8

28 CACM-1906	93	0.043	0.8
28 CACM-3131	94	0.043	0.8
28 CACM-2327	95	0.042	0.8
28 CACM-2741	96	0.042	0.8
28 CACM-1456	97	0.041	0.8
28 CACM-1752	98	0.041	0.8
28 CACM-2053	99	0.04	0.8
28 CACM-2106	100	0.04	0.8
29 CACM-1840	1	1	0.053
29 CACM-1539	2	1	0.105
29 CACM-1841	3	1	0.158
29 CACM-2089	4	1	0.211
29 CACM-1933	5	0.8	0.211
29 CACM-2462	6	0.833	0.263
29 CACM-1538	7	0.857	0.316
29 CACM-1537	8	0.875	0.368
29 CACM-1967	9	0.889	0.421
29 CACM-2770	10	0.8	0.421
29 CACM-1420	11	0.818	0.474
29 CACM-2927	12	0.833	0.526
29 CACM-2507	13	0.769	0.526
29 CACM-2206	14	0.714	0.526
29 CACM-1094	15	0.733	0.579
29 CACM-1691	16	0.688	0.579
29 CACM-1717	17	0.647	0.579
29 CACM-3021	18	0.611	0.579
29 CACM-2109	19	0.579	0.579
29 CACM-3037	20	0.6	0.632
29 CACM-2621	21	0.571	0.632
29 CACM-2067	22	0.545	0.632
29 CACM-2726	23	0.522	0.632
29 CACM-1386	24	0.5	0.632
29 CACM-2424	25	0.48	0.632
29 CACM-1052	26	0.462	0.632
29 CACM-1475	27	0.444	0.632
29 CACM-2087	28	0.429	0.632
29 CACM-1725	29	0.414	0.632
29 CACM-2306	30	0.4	0.632
29 CACM-1812	31	0.387	0.632
29 CACM-2644	32	0.375	0.632
29 CACM-0944	33	0.364	0.632
29 CACM-2334	34	0.353	0.632
29 CACM-3131	35	0.343	0.632
29 CACM-2122	36	0.333	0.632
29 CACM-1794	37	0.324	0.632
29 CACM-1894	38	0.316	0.632
29 CACM-1716	39	0.308	0.632
29 CACM-2865	40	0.3	0.632
29 CACM-2057	41	0.293	0.632

29 CACM-2605	42	0.286	0.632
29 CACM-2114	43	0.279	0.632
29 CACM-0950	44	0.273	0.632
29 CACM-2584	45	0.267	0.632
29 CACM-0294	46	0.261	0.632
29 CACM-0197	47	0.255	0.632
29 CACM-3171	48	0.25	0.632
29 CACM-0567	49	0.245	0.632
29 CACM-0568	50	0.24	0.632
29 CACM-0353	51	0.235	0.632
29 CACM-1268	52	0.231	0.632
29 CACM-0355	53	0.226	0.632
29 CACM-0348	54	0.222	0.632
29 CACM-0979	55	0.218	0.632
29 CACM-1011	56	0.214	0.632
29 CACM-0443	57	0.211	0.632
29 CACM-0546	58	0.207	0.632
29 CACM-0304	59	0.203	0.632
29 CACM-1219	60	0.2	0.632
29 CACM-0628	61	0.197	0.632
29 CACM-0553	62	0.194	0.632
29 CACM-0216	63	0.19	0.632
29 CACM-2195	64	0.188	0.632
29 CACM-2240	65	0.185	0.632
29 CACM-2121	66	0.182	0.632
29 CACM-2018	67	0.179	0.632
29 CACM-2115	68	0.176	0.632
29 CACM-1924	69	0.174	0.632
29 CACM-3164	70	0.171	0.632
29 CACM-2416	71	0.169	0.632
29 CACM-2565	72	0.167	0.632
29 CACM-2123	73	0.164	0.632
29 CACM-2104	74	0.162	0.632
29 CACM-1257	75	0.16	0.632
29 CACM-1663	76	0.158	0.632
29 CACM-2138	77	0.156	0.632
29 CACM-2489	78	0.154	0.632
29 CACM-2146	79	0.152	0.632
29 CACM-1991	80	0.15	0.632
29 CACM-2549	81	0.148	0.632
29 CACM-2349	82	0.146	0.632
29 CACM-1014	83	0.145	0.632
29 CACM-2208	84	0.143	0.632
29 CACM-2200	85	0.141	0.632
29 CACM-2963	86	0.14	0.632
29 CACM-1171	87	0.138	0.632
29 CACM-1874	88	0.136	0.632
29 CACM-1550	89	0.135	0.632
29 CACM-2746	90	0.133	0.632

29 CACM-3033	91	0.132	0.632
29 CACM-1783	92	0.13	0.632
29 CACM-0626	93	0.129	0.632
29 CACM-2031	94	0.128	0.632
29 CACM-1930	95	0.126	0.632
29 CACM-3115	96	0.125	0.632
29 CACM-1497	97	0.124	0.632
29 CACM-2664	98	0.122	0.632
29 CACM-1364	99	0.121	0.632
29 CACM-2826	100	0.12	0.632
30 CACM-1926	1	1	0.25
30 CACM-2341	2	0.5	0.25
30 CACM-2786	3	0.667	0.5
30 CACM-1502	4	0.5	0.5
30 CACM-3162	5	0.4	0.5
30 CACM-1697	6	0.333	0.5
30 CACM-2631	7	0.286	0.5
30 CACM-2537	8	0.25	0.5
30 CACM-2916	9	0.222	0.5
30 CACM-2501	10	0.2	0.5
30 CACM-1112	11	0.182	0.5
30 CACM-2876	12	0.167	0.5
30 CACM-2746	13	0.154	0.5
30 CACM-1856	14	0.143	0.5
30 CACM-1739	15	0.133	0.5
30 CACM-1256	16	0.125	0.5
30 CACM-2947	17	0.118	0.5
30 CACM-1726	18	0.111	0.5
30 CACM-3005	19	0.105	0.5
30 CACM-1614	20	0.1	0.5
30 CACM-1565	21	0.095	0.5
30 CACM-1170	22	0.091	0.5
30 CACM-0953	23	0.087	0.5
30 CACM-1854	24	0.083	0.5
30 CACM-2980	25	0.08	0.5
30 CACM-2486	26	0.115	0.75
30 CACM-1824	27	0.111	0.75
30 CACM-2035	28	0.107	0.75
30 CACM-2401	29	0.103	0.75
30 CACM-2050	30	0.1	0.75
30 CACM-3175	31	0.097	0.75
30 CACM-1700	32	0.094	0.75
30 CACM-0248	33	0.091	0.75
30 CACM-0282	34	0.088	0.75
30 CACM-2917	35	0.114	1
30 CACM-2396	36	0.111	1
30 CACM-1976	37	0.108	1
30 CACM-2530	38	0.105	1
30 CACM-1616	39	0.103	1

30 CACM-0941	40	0.1	1
30 CACM-0163	41	0.098	1
30 CACM-2273	42	0.095	1
30 CACM-0142	43	0.093	1
30 CACM-2299	44	0.091	1
30 CACM-1902	45	0.089	1
30 CACM-1395	46	0.087	1
30 CACM-2399	47	0.085	1
30 CACM-2739	48	0.083	1
30 CACM-1248	49	0.082	1
30 CACM-2623	50	0.08	1
30 CACM-2312	51	0.078	1
30 CACM-2819	52	0.077	1
30 CACM-1314	53	0.075	1
30 CACM-2712	54	0.074	1
30 CACM-3142	55	0.073	1
30 CACM-2019	56	0.071	1
30 CACM-1457	57	0.07	1
30 CACM-3115	58	0.069	1
30 CACM-3113	59	0.068	1
30 CACM-1455	60	0.067	1
30 CACM-2449	61	0.066	1
30 CACM-1382	62	0.065	1
30 CACM-2622	63	0.063	1
30 CACM-2093	64	0.062	1
30 CACM-2288	65	0.062	1
30 CACM-2239	66	0.061	1
30 CACM-1698	67	0.06	1
30 CACM-2074	68	0.059	1
30 CACM-0629	69	0.058	1
30 CACM-1652	70	0.057	1
30 CACM-0195	71	0.056	1
30 CACM-2580	72	0.056	1
30 CACM-2160	73	0.055	1
30 CACM-1671	74	0.054	1
30 CACM-2079	75	0.053	1
30 CACM-3120	76	0.053	1
30 CACM-2911	77	0.052	1
30 CACM-1911	78	0.051	1
30 CACM-2390	79	0.051	1
30 CACM-1999	80	0.05	1
30 CACM-2009	81	0.049	1
30 CACM-1001	82	0.049	1
30 CACM-2901	83	0.048	1
30 CACM-1672	84	0.048	1
30 CACM-2252	85	0.047	1
30 CACM-2931	86	0.047	1
30 CACM-2989	87	0.046	1
30 CACM-1784	88	0.045	1

30 CACM-1487	89	0.045	1
30 CACM-2263	90	0.044	1
30 CACM-3112	91	0.044	1
30 CACM-2764	92	0.043	1
30 CACM-2220	93	0.043	1
30 CACM-1084	94	0.043	1
30 CACM-2455	95	0.042	1
30 CACM-3174	96	0.042	1
30 CACM-3179	97	0.041	1
30 CACM-1644	98	0.041	1
30 CACM-0848	99	0.04	1
30 CACM-2258	100	0.04	1
31 CACM-2142	1	0	0
31 CACM-2065	2	0	0
31 CACM-3047	3	0.333	0.5
31 CACM-1686	4	0.25	0.5
31 CACM-1327	5	0.2	0.5
31 CACM-3013	6	0.167	0.5
31 CACM-2283	7	0.143	0.5
31 CACM-2211	8	0.125	0.5
31 CACM-2370	9	0.111	0.5
31 CACM-2829	10	0.1	0.5
31 CACM-3015	11	0.091	0.5
31 CACM-2125	12	0.167	1
31 CACM-2421	13	0.154	1
31 CACM-2231	14	0.143	1
31 CACM-1144	15	0.133	1
31 CACM-1741	16	0.125	1
31 CACM-2523	17	0.118	1
31 CACM-2826	18	0.111	1
31 CACM-2687	19	0.105	1
31 CACM-2195	20	0.1	1
31 CACM-2004	21	0.095	1
31 CACM-3057	22	0.091	1
31 CACM-1891	23	0.087	1
31 CACM-1571	24	0.083	1
31 CACM-2401	25	0.08	1
31 CACM-0533	26	0.077	1
31 CACM-1502	27	0.074	1
31 CACM-2721	28	0.071	1
31 CACM-1172	29	0.069	1
31 CACM-2883	30	0.067	1
31 CACM-0615	31	0.065	1
31 CACM-1390	32	0.062	1
31 CACM-0078	33	0.061	1
31 CACM-2980	34	0.059	1
31 CACM-1846	35	0.057	1
31 CACM-2674	36	0.056	1
31 CACM-1543	37	0.054	1

31 CACM-1108	38	0.053	1
31 CACM-1415	39	0.051	1
31 CACM-2529	40	0.05	1
31 CACM-2528	41	0.049	1
31 CACM-0531	42	0.048	1
31 CACM-1482	43	0.047	1
31 CACM-2152	44	0.045	1
31 CACM-2606	45	0.044	1
31 CACM-0893	46	0.043	1
31 CACM-0605	47	0.043	1
31 CACM-2232	48	0.042	1
31 CACM-2402	49	0.041	1
31 CACM-1381	50	0.04	1
31 CACM-2479	51	0.039	1
31 CACM-3045	52	0.038	1
31 CACM-2819	53	0.038	1
31 CACM-2820	54	0.037	1
31 CACM-1671	55	0.036	1
31 CACM-2545	56	0.036	1
31 CACM-2188	57	0.035	1
31 CACM-3200	58	0.034	1
31 CACM-2051	59	0.034	1
31 CACM-2327	60	0.033	1
31 CACM-2931	61	0.033	1
31 CACM-1379	62	0.032	1
31 CACM-1046	63	0.032	1
31 CACM-3091	64	0.031	1
31 CACM-1292	65	0.031	1
31 CACM-3059	66	0.03	1
31 CACM-1026	67	0.03	1
31 CACM-1388	68	0.029	1
31 CACM-1261	69	0.029	1
31 CACM-0730	70	0.029	1
31 CACM-1929	71	0.028	1
31 CACM-2390	72	0.028	1
31 CACM-1409	73	0.027	1
31 CACM-2925	74	0.027	1
31 CACM-1806	75	0.027	1
31 CACM-2020	76	0.026	1
31 CACM-1706	77	0.026	1
31 CACM-2036	78	0.026	1
31 CACM-1384	79	0.025	1
31 CACM-1862	80	0.025	1
31 CACM-1067	81	0.025	1
31 CACM-2169	82	0.024	1
31 CACM-0104	83	0.024	1
31 CACM-1765	84	0.024	1
31 CACM-2163	85	0.024	1
31 CACM-2893	86	0.023	1

31 CACM-1710	87	0.023	1
31 CACM-0894	88	0.023	1
31 CACM-1700	89	0.022	1
31 CACM-0796	90	0.022	1
31 CACM-2302	91	0.022	1
31 CACM-3037	92	0.022	1
31 CACM-3157	93	0.022	1
31 CACM-2921	94	0.021	1
31 CACM-2252	95	0.021	1
31 CACM-2424	96	0.021	1
31 CACM-1385	97	0.021	1
31 CACM-1664	98	0.02	1
31 CACM-1366	99	0.02	1
31 CACM-2816	100	0.02	1
32 CACM-3139	1	1	0.333
32 CACM-2289	2	0.5	0.333
32 CACM-2177	3	0.333	0.333
32 CACM-2630	4	0.25	0.333
32 CACM-3018	5	0.2	0.333
32 CACM-2368	6	0.167	0.333
32 CACM-2484	7	0.143	0.333
32 CACM-2883	8	0.125	0.333
32 CACM-2490	9	0.111	0.333
32 CACM-2619	10	0.1	0.333
32 CACM-3156	11	0.091	0.333
32 CACM-1961	12	0.083	0.333
32 CACM-1145	13	0.154	0.667
32 CACM-1847	14	0.143	0.667
32 CACM-2980	15	0.133	0.667
32 CACM-1504	16	0.125	0.667
32 CACM-2178	17	0.118	0.667
32 CACM-2492	18	0.111	0.667
32 CACM-2200	19	0.105	0.667
32 CACM-2695	20	0.1	0.667
32 CACM-2059	21	0.095	0.667
32 CACM-2015	22	0.091	0.667
32 CACM-3040	23	0.087	0.667
32 CACM-2877	24	0.083	0.667
32 CACM-2052	25	0.08	0.667
32 CACM-2934	26	0.077	0.667
32 CACM-2430	27	0.074	0.667
32 CACM-0056	28	0.071	0.667
32 CACM-1563	29	0.069	0.667
32 CACM-2290	30	0.067	0.667
32 CACM-0211	31	0.065	0.667
32 CACM-0288	32	0.062	0.667
32 CACM-2389	33	0.061	0.667
32 CACM-2172	34	0.059	0.667
32 CACM-2752	35	0.057	0.667

32 CACM-2161	36	0.056	0.667
32 CACM-2195	37	0.054	0.667
32 CACM-3172	38	0.053	0.667
32 CACM-3124	39	0.051	0.667
32 CACM-2986	40	0.05	0.667
32 CACM-1839	41	0.049	0.667
32 CACM-3164	42	0.048	0.667
32 CACM-1292	43	0.047	0.667
32 CACM-2155	44	0.045	0.667
32 CACM-1529	45	0.044	0.667
32 CACM-1348	46	0.043	0.667
32 CACM-2890	47	0.043	0.667
32 CACM-1705	48	0.042	0.667
32 CACM-2819	49	0.041	0.667
32 CACM-2568	50	0.04	0.667
32 CACM-2453	51	0.039	0.667
32 CACM-3100	52	0.038	0.667
32 CACM-3132	53	0.038	0.667
32 CACM-2701	54	0.037	0.667
32 CACM-3008	55	0.036	0.667
32 CACM-2769	56	0.036	0.667
32 CACM-1935	57	0.035	0.667
32 CACM-1934	58	0.034	0.667
32 CACM-2189	59	0.034	0.667
32 CACM-2461	60	0.033	0.667
32 CACM-1481	61	0.033	0.667
32 CACM-2790	62	0.032	0.667
32 CACM-1456	63	0.032	0.667
32 CACM-1432	64	0.031	0.667
32 CACM-1026	65	0.031	0.667
32 CACM-2860	66	0.03	0.667
32 CACM-1721	67	0.03	0.667
32 CACM-2705	68	0.029	0.667
32 CACM-2763	69	0.029	0.667
32 CACM-2923	70	0.029	0.667
32 CACM-1433	71	0.028	0.667
32 CACM-2145	72	0.028	0.667
32 CACM-1983	73	0.027	0.667
32 CACM-2524	74	0.027	0.667
32 CACM-2925	75	0.027	0.667
32 CACM-3125	76	0.026	0.667
32 CACM-2247	77	0.026	0.667
32 CACM-1786	78	0.026	0.667
32 CACM-1172	79	0.025	0.667
32 CACM-1905	80	0.025	0.667
32 CACM-1930	81	0.025	0.667
32 CACM-3153	82	0.024	0.667
32 CACM-2125	83	0.024	0.667
32 CACM-1822	84	0.024	0.667

32 CACM-2267	85	0.024	0.667
32 CACM-2880	86	0.023	0.667
32 CACM-2771	87	0.023	0.667
32 CACM-3033	88	0.023	0.667
32 CACM-3138	89	0.022	0.667
32 CACM-2665	90	0.022	0.667
32 CACM-2444	91	0.022	0.667
32 CACM-3085	92	0.022	0.667
32 CACM-2094	93	0.022	0.667
32 CACM-1947	94	0.021	0.667
32 CACM-1828	95	0.021	0.667
32 CACM-1886	96	0.021	0.667
32 CACM-2081	97	0.021	0.667
32 CACM-1727	98	0.02	0.667
32 CACM-2047	99	0.02	0.667
32 CACM-1924	100	0.02	0.667
33 CACM-2047	1	0	0
33 CACM-2554	2	0	0
33 CACM-2805	3	0.333	1
33 CACM-2697	4	0.25	1
33 CACM-2695	5	0.2	1
33 CACM-3115	6	0.167	1
33 CACM-2787	7	0.143	1
33 CACM-1809	8	0.125	1
33 CACM-3152	9	0.111	1
33 CACM-1143	10	0.1	1
33 CACM-1954	11	0.091	1
33 CACM-2043	12	0.083	1
33 CACM-1347	13	0.077	1
33 CACM-2200	14	0.071	1
33 CACM-2081	15	0.067	1
33 CACM-2284	16	0.062	1
33 CACM-2335	17	0.059	1
33 CACM-2806	18	0.056	1
33 CACM-1423	19	0.053	1
33 CACM-2525	20	0.05	1
33 CACM-2261	21	0.048	1
33 CACM-0070	22	0.045	1
33 CACM-2281	23	0.043	1
33 CACM-3016	24	0.042	1
33 CACM-3085	25	0.04	1
33 CACM-1501	26	0.038	1
33 CACM-2186	27	0.037	1
33 CACM-2544	28	0.036	1
33 CACM-1135	29	0.034	1
33 CACM-1614	30	0.033	1
33 CACM-1709	31	0.032	1
33 CACM-3042	32	0.031	1
33 CACM-1963	33	0.03	1

33 CACM-3041	34	0.029	1
33 CACM-2000	35	0.029	1
33 CACM-3094	36	0.028	1
33 CACM-3052	37	0.027	1
33 CACM-3200	38	0.026	1
33 CACM-1739	39	0.026	1
33 CACM-2807	40	0.025	1
33 CACM-2769	41	0.024	1
33 CACM-2226	42	0.024	1
33 CACM-0942	43	0.023	1
33 CACM-1974	44	0.023	1
33 CACM-1721	45	0.022	1
33 CACM-0284	46	0.022	1
33 CACM-2809	47	0.021	1
33 CACM-3153	48	0.021	1
33 CACM-2355	49	0.02	1
33 CACM-0849	50	0.02	1
33 CACM-1931	51	0.02	1
33 CACM-3163	52	0.019	1
33 CACM-2887	53	0.019	1
33 CACM-1116	54	0.019	1
33 CACM-2233	55	0.018	1
33 CACM-1441	56	0.018	1
33 CACM-2134	57	0.018	1
33 CACM-0040	58	0.017	1
33 CACM-1935	59	0.017	1
33 CACM-2996	60	0.017	1
33 CACM-1160	61	0.016	1
33 CACM-2488	62	0.016	1
33 CACM-1961	63	0.016	1
33 CACM-1294	64	0.016	1
33 CACM-1997	65	0.015	1
33 CACM-0397	66	0.015	1
33 CACM-2535	67	0.015	1
33 CACM-1258	68	0.015	1
33 CACM-2968	69	0.014	1
33 CACM-3138	70	0.014	1
33 CACM-1744	71	0.014	1
33 CACM-1707	72	0.014	1
33 CACM-1998	73	0.014	1
33 CACM-1692	74	0.014	1
33 CACM-3095	75	0.013	1
33 CACM-1502	76	0.013	1
33 CACM-1271	77	0.013	1
33 CACM-1351	78	0.013	1
33 CACM-1147	79	0.013	1
33 CACM-1047	80	0.013	1
33 CACM-1457	81	0.012	1
33 CACM-2093	82	0.012	1

33 CACM-2185	83	0.012	1
33 CACM-0848	84	0.012	1
33 CACM-2892	85	0.012	1
33 CACM-1766	86	0.012	1
33 CACM-1366	87	0.011	1
33 CACM-1718	88	0.011	1
33 CACM-2567	89	0.011	1
33 CACM-2940	90	0.011	1
33 CACM-2177	91	0.011	1
33 CACM-1787	92	0.011	1
33 CACM-1916	93	0.011	1
33 CACM-0537	94	0.011	1
33 CACM-1278	95	0.011	1
33 CACM-0441	96	0.01	1
33 CACM-1098	97	0.01	1
33 CACM-3096	98	0.01	1
33 CACM-0950	99	0.01	1
33 CACM-1622	100	0.01	1
36 CACM-2110	1	1	0.05
36 CACM-1265	2	1	0.1
36 CACM-2733	3	1	0.15
36 CACM-2112	4	0.75	0.15
36 CACM-1350	5	0.8	0.2
36 CACM-2739	6	0.667	0.2
36 CACM-2698	7	0.571	0.2
36 CACM-2061	8	0.5	0.2
36 CACM-1787	9	0.556	0.25
36 CACM-1012	10	0.5	0.25
36 CACM-2703	11	0.455	0.25
36 CACM-2030	12	0.417	0.25
36 CACM-2754	13	0.385	0.25
36 CACM-2836	14	0.429	0.3
36 CACM-1836	15	0.467	0.35
36 CACM-2301	16	0.438	0.35
36 CACM-2476	17	0.412	0.35
36 CACM-1768	18	0.444	0.4
36 CACM-2179	19	0.474	0.45
36 CACM-1825	20	0.5	0.5
36 CACM-1989	21	0.476	0.5
36 CACM-2084	22	0.5	0.55
36 CACM-2340	23	0.522	0.6
36 CACM-1612	24	0.5	0.6
36 CACM-2581	25	0.48	0.6
36 CACM-2050	26	0.462	0.6
36 CACM-2702	27	0.481	0.65
36 CACM-1399	28	0.464	0.65
36 CACM-2794	29	0.448	0.65
36 CACM-1737	30	0.433	0.65
36 CACM-2546	31	0.419	0.65

36 CACM-1453	32	0.406	0.65
36 CACM-1548	33	0.394	0.65
36 CACM-1683	34	0.412	0.7
36 CACM-3094	35	0.429	0.75
36 CACM-1426	36	0.417	0.75
36 CACM-3045	37	0.405	0.75
36 CACM-3176	38	0.395	0.75
36 CACM-2811	39	0.385	0.75
36 CACM-1855	40	0.375	0.75
36 CACM-2921	41	0.366	0.75
36 CACM-0949	42	0.357	0.75
36 CACM-2786	43	0.349	0.75
36 CACM-2492	44	0.341	0.75
36 CACM-1569	45	0.333	0.75
36 CACM-3093	46	0.326	0.75
36 CACM-2423	47	0.34	0.8
36 CACM-1455	48	0.333	0.8
36 CACM-2982	49	0.327	0.8
36 CACM-2545	50	0.32	0.8
36 CACM-1527	51	0.314	0.8
36 CACM-2986	52	0.327	0.85
36 CACM-2708	53	0.34	0.9
36 CACM-2310	54	0.333	0.9
36 CACM-1988	55	0.327	0.9
36 CACM-2705	56	0.321	0.9
36 CACM-1395	57	0.316	0.9
36 CACM-2059	58	0.31	0.9
36 CACM-1454	59	0.305	0.9
36 CACM-1131	60	0.3	0.9
36 CACM-2643	61	0.295	0.9
36 CACM-1906	62	0.29	0.9
36 CACM-1484	63	0.286	0.9
36 CACM-2886	64	0.281	0.9
36 CACM-1162	65	0.277	0.9
36 CACM-2252	66	0.273	0.9
36 CACM-3077	67	0.269	0.9
36 CACM-2547	68	0.265	0.9
36 CACM-2785	69	0.261	0.9
36 CACM-2645	70	0.257	0.9
36 CACM-2091	71	0.254	0.9
36 CACM-1885	72	0.25	0.9
36 CACM-1852	73	0.247	0.9
36 CACM-0644	74	0.243	0.9
36 CACM-1197	75	0.24	0.9
36 CACM-2751	76	0.237	0.9
36 CACM-2644	77	0.234	0.9
36 CACM-2113	78	0.231	0.9
36 CACM-1549	79	0.228	0.9
36 CACM-2954	80	0.225	0.9

36 CACM-1145	81	0.222	0.9
36 CACM-3198	82	0.22	0.9
36 CACM-3184	83	0.217	0.9
36 CACM-1622	84	0.214	0.9
36 CACM-3100	85	0.212	0.9
36 CACM-2835	86	0.209	0.9
36 CACM-2906	87	0.207	0.9
36 CACM-0082	88	0.205	0.9
36 CACM-0679	89	0.202	0.9
36 CACM-2051	90	0.2	0.9
36 CACM-1486	91	0.198	0.9
36 CACM-1504	92	0.196	0.9
36 CACM-2406	93	0.194	0.9
36 CACM-3132	94	0.191	0.9
36 CACM-0778	95	0.189	0.9
36 CACM-1856	96	0.188	0.9
36 CACM-2060	97	0.186	0.9
36 CACM-1902	98	0.184	0.9
36 CACM-0354	99	0.182	0.9
36 CACM-1304	100	0.18	0.9
37 CACM-2265	1	1	0.083
37 CACM-2958	2	0.5	0.083
37 CACM-3105	3	0.333	0.083
37 CACM-2956	4	0.25	0.083
37 CACM-2632	5	0.4	0.167
37 CACM-2651	6	0.5	0.25
37 CACM-3031	7	0.429	0.25
37 CACM-2985	8	0.375	0.25
37 CACM-2941	9	0.444	0.333
37 CACM-1768	10	0.4	0.333
37 CACM-2939	11	0.455	0.417
37 CACM-0982	12	0.417	0.417
37 CACM-2341	13	0.385	0.417
37 CACM-1847	14	0.357	0.417
37 CACM-2470	15	0.333	0.417
37 CACM-1625	16	0.312	0.417
37 CACM-1474	17	0.294	0.417
37 CACM-1154	18	0.278	0.417
37 CACM-1398	19	0.263	0.417
37 CACM-3103	20	0.25	0.417
37 CACM-3128	21	0.238	0.417
37 CACM-3002	22	0.227	0.417
37 CACM-2092	23	0.217	0.417
37 CACM-1827	24	0.208	0.417
37 CACM-2060	25	0.2	0.417
37 CACM-2184	26	0.192	0.417
37 CACM-2051	27	0.185	0.417
37 CACM-1482	28	0.179	0.417
37 CACM-2940	29	0.172	0.417

37 CACM-3082	30	0.167	0.417
37 CACM-2289	31	0.161	0.417
37 CACM-2631	32	0.156	0.417
37 CACM-2794	33	0.152	0.417
37 CACM-1844	34	0.147	0.417
37 CACM-2178	35	0.143	0.417
37 CACM-1854	36	0.139	0.417
37 CACM-2232	37	0.135	0.417
37 CACM-2046	38	0.132	0.417
37 CACM-2202	39	0.128	0.417
37 CACM-2527	40	0.125	0.417
37 CACM-0867	41	0.122	0.417
37 CACM-2850	42	0.119	0.417
37 CACM-0329	43	0.116	0.417
37 CACM-1724	44	0.114	0.417
37 CACM-1412	45	0.111	0.417
37 CACM-2033	46	0.109	0.417
37 CACM-3048	47	0.106	0.417
37 CACM-2198	48	0.104	0.417
37 CACM-2002	49	0.102	0.417
37 CACM-1543	50	0.1	0.417
37 CACM-2810	51	0.098	0.417
37 CACM-2113	52	0.096	0.417
37 CACM-0849	53	0.094	0.417
37 CACM-1572	54	0.093	0.417
37 CACM-1589	55	0.091	0.417
37 CACM-1553	56	0.089	0.417
37 CACM-1805	57	0.088	0.417
37 CACM-1745	58	0.086	0.417
37 CACM-1206	59	0.085	0.417
37 CACM-2283	60	0.083	0.417
37 CACM-1630	61	0.082	0.417
37 CACM-0671	62	0.081	0.417
37 CACM-2864	63	0.079	0.417
37 CACM-2053	64	0.078	0.417
37 CACM-2572	65	0.077	0.417
37 CACM-2176	66	0.076	0.417
37 CACM-1637	67	0.075	0.417
37 CACM-0409	68	0.074	0.417
37 CACM-0677	69	0.072	0.417
37 CACM-1534	70	0.071	0.417
37 CACM-2931	71	0.07	0.417
37 CACM-1614	72	0.069	0.417
37 CACM-2083	73	0.068	0.417
37 CACM-3142	74	0.068	0.417
37 CACM-2990	75	0.067	0.417
37 CACM-1856	76	0.066	0.417
37 CACM-3071	77	0.065	0.417
37 CACM-2560	78	0.064	0.417

37 CACM-1527	79	0.063	0.417
37 CACM-2163	80	0.062	0.417
37 CACM-1875	81	0.062	0.417
37 CACM-0243	82	0.061	0.417
37 CACM-3092	83	0.06	0.417
37 CACM-0861	84	0.06	0.417
37 CACM-3153	85	0.059	0.417
37 CACM-1003	86	0.058	0.417
37 CACM-1032	87	0.057	0.417
37 CACM-2622	88	0.057	0.417
37 CACM-1626	89	0.056	0.417
37 CACM-0605	90	0.056	0.417
37 CACM-2218	91	0.055	0.417
37 CACM-2342	92	0.054	0.417
37 CACM-1646	93	0.054	0.417
37 CACM-0616	94	0.053	0.417
37 CACM-2716	95	0.053	0.417
37 CACM-2846	96	0.052	0.417
37 CACM-0670	97	0.052	0.417
37 CACM-2519	98	0.051	0.417
37 CACM-2274	99	0.051	0.417
37 CACM-1236	100	0.05	0.417
38 CACM-3105	1	0	0
38 CACM-3031	2	0.5	0.062
38 CACM-2232	3	0.333	0.062
38 CACM-2958	4	0.5	0.125
38 CACM-2956	5	0.6	0.188
38 CACM-2470	6	0.5	0.188
38 CACM-3103	7	0.571	0.25
38 CACM-2939	8	0.625	0.312
38 CACM-2940	9	0.667	0.375
38 CACM-2867	10	0.6	0.375
38 CACM-2651	11	0.636	0.438
38 CACM-2082	12	0.583	0.438
38 CACM-2957	13	0.615	0.5
38 CACM-1625	14	0.571	0.5
38 CACM-2931	15	0.533	0.5
38 CACM-1359	16	0.5	0.5
38 CACM-2051	17	0.471	0.5
38 CACM-0867	18	0.444	0.5
38 CACM-1698	19	0.421	0.5
38 CACM-2184	20	0.4	0.5
38 CACM-2941	21	0.429	0.562
38 CACM-1847	22	0.409	0.562
38 CACM-1474	23	0.391	0.562
38 CACM-2247	24	0.375	0.562
38 CACM-2582	25	0.36	0.562
38 CACM-2265	26	0.385	0.625
38 CACM-0595	27	0.37	0.625

38 CACM-2876	28	0.357	0.625
38 CACM-1327	29	0.345	0.625
38 CACM-1602	30	0.333	0.625
38 CACM-1806	31	0.323	0.625
38 CACM-2341	32	0.312	0.625
38 CACM-1408	33	0.303	0.625
38 CACM-1469	34	0.294	0.625
38 CACM-3177	35	0.286	0.625
38 CACM-2750	36	0.278	0.625
38 CACM-2451	37	0.27	0.625
38 CACM-0497	38	0.263	0.625
38 CACM-3002	39	0.256	0.625
38 CACM-3069	40	0.25	0.625
38 CACM-2990	41	0.244	0.625
38 CACM-1768	42	0.238	0.625
38 CACM-1890	43	0.233	0.625
38 CACM-2305	44	0.227	0.625
38 CACM-0677	45	0.222	0.625
38 CACM-1433	46	0.217	0.625
38 CACM-1543	47	0.213	0.625
38 CACM-1527	48	0.208	0.625
38 CACM-2096	49	0.204	0.625
38 CACM-1497	50	0.2	0.625
38 CACM-0950	51	0.196	0.625
38 CACM-1398	52	0.192	0.625
38 CACM-1572	53	0.189	0.625
38 CACM-0106	54	0.185	0.625
38 CACM-2390	55	0.182	0.625
38 CACM-2622	56	0.179	0.625
38 CACM-2846	57	0.175	0.625
38 CACM-2832	58	0.172	0.625
38 CACM-2794	59	0.169	0.625
38 CACM-0981	60	0.167	0.625
38 CACM-2840	61	0.164	0.625
38 CACM-2688	62	0.161	0.625
38 CACM-0321	63	0.159	0.625
38 CACM-1014	64	0.156	0.625
38 CACM-0670	65	0.154	0.625
38 CACM-1323	66	0.152	0.625
38 CACM-2176	67	0.149	0.625
38 CACM-2356	68	0.147	0.625
38 CACM-0615	69	0.145	0.625
38 CACM-3142	70	0.143	0.625
38 CACM-3124	71	0.141	0.625
38 CACM-2937	72	0.139	0.625
38 CACM-1637	73	0.137	0.625
38 CACM-1003	74	0.135	0.625
38 CACM-3057	75	0.133	0.625
38 CACM-1549	76	0.132	0.625

38 CACM-2851	77	0.13	0.625
38 CACM-1939	78	0.128	0.625
38 CACM-1956	79	0.127	0.625
38 CACM-3096	80	0.125	0.625
38 CACM-2198	81	0.123	0.625
38 CACM-2718	82	0.122	0.625
38 CACM-2424	83	0.12	0.625
38 CACM-1856	84	0.119	0.625
38 CACM-1307	85	0.118	0.625
38 CACM-1974	86	0.116	0.625
38 CACM-1630	87	0.115	0.625
38 CACM-1154	88	0.114	0.625
38 CACM-2993	89	0.112	0.625
38 CACM-2254	90	0.111	0.625
38 CACM-0982	91	0.11	0.625
38 CACM-2561	92	0.109	0.625
38 CACM-0492	93	0.108	0.625
38 CACM-2046	94	0.106	0.625
38 CACM-2092	95	0.105	0.625
38 CACM-0605	96	0.104	0.625
38 CACM-2002	97	0.103	0.625
38 CACM-2715	98	0.102	0.625
38 CACM-1827	99	0.101	0.625
38 CACM-1641	100	0.1	0.625
39 CACM-2651	1	1	0.083
39 CACM-3105	2	0.5	0.083
39 CACM-2956	3	0.333	0.083
39 CACM-2940	4	0.25	0.083
39 CACM-2705	5	0.2	0.083
39 CACM-2051	6	0.167	0.083
39 CACM-2958	7	0.143	0.083
39 CACM-1861	8	0.25	0.167
39 CACM-2470	9	0.222	0.167
39 CACM-3103	10	0.2	0.167
39 CACM-2957	11	0.182	0.167
39 CACM-2254	12	0.167	0.167
39 CACM-1614	13	0.154	0.167
39 CACM-2939	14	0.214	0.25
39 CACM-2265	15	0.267	0.333
39 CACM-2941	16	0.312	0.417
39 CACM-2931	17	0.294	0.417
39 CACM-3031	18	0.333	0.5
39 CACM-2082	19	0.316	0.5
39 CACM-1491	20	0.3	0.5
39 CACM-1678	21	0.286	0.5
39 CACM-3077	22	0.273	0.5
39 CACM-0867	23	0.261	0.5
39 CACM-2937	24	0.25	0.5
39 CACM-1835	25	0.24	0.5

39 CACM-1366	26	0.231	0.5
39 CACM-1902	27	0.222	0.5
39 CACM-1098	28	0.214	0.5
39 CACM-2603	29	0.207	0.5
39 CACM-1379	30	0.2	0.5
39 CACM-2178	31	0.194	0.5
39 CACM-2645	32	0.188	0.5
39 CACM-2002	33	0.182	0.5
39 CACM-1463	34	0.176	0.5
39 CACM-2341	35	0.171	0.5
39 CACM-1469	36	0.167	0.5
39 CACM-2305	37	0.162	0.5
39 CACM-2406	38	0.158	0.5
39 CACM-3101	39	0.154	0.5
39 CACM-2632	40	0.175	0.583
39 CACM-1625	41	0.171	0.583
39 CACM-1154	42	0.167	0.583
39 CACM-1911	43	0.163	0.583
39 CACM-3066	44	0.159	0.583
39 CACM-1484	45	0.156	0.583
39 CACM-2317	46	0.174	0.667
39 CACM-2684	47	0.17	0.667
39 CACM-1474	48	0.167	0.667
39 CACM-2264	49	0.163	0.667
39 CACM-2252	50	0.16	0.667
39 CACM-2546	51	0.157	0.667
39 CACM-1602	52	0.154	0.667
39 CACM-3071	53	0.151	0.667
39 CACM-1237	54	0.148	0.667
39 CACM-1112	55	0.145	0.667
39 CACM-1693	56	0.161	0.75
39 CACM-1869	57	0.158	0.75
39 CACM-2078	58	0.155	0.75
39 CACM-1365	59	0.153	0.75
39 CACM-2534	60	0.15	0.75
39 CACM-3198	61	0.148	0.75
39 CACM-2887	62	0.145	0.75
39 CACM-2167	63	0.143	0.75
39 CACM-1457	64	0.141	0.75
39 CACM-2036	65	0.138	0.75
39 CACM-1482	66	0.136	0.75
39 CACM-1470	67	0.134	0.75
39 CACM-2198	68	0.132	0.75
39 CACM-1467	69	0.13	0.75
39 CACM-0464	70	0.129	0.75
39 CACM-2886	71	0.127	0.75
39 CACM-2558	72	0.139	0.833
39 CACM-1811	73	0.137	0.833
39 CACM-2126	74	0.149	0.917

39 CACM-1180	75	0.147	0.917
39 CACM-3150	76	0.145	0.917
39 CACM-3142	77	0.143	0.917
39 CACM-2652	78	0.141	0.917
39 CACM-2873	79	0.139	0.917
39 CACM-2289	80	0.138	0.917
39 CACM-0655	81	0.136	0.917
39 CACM-2299	82	0.134	0.917
39 CACM-3030	83	0.133	0.917
39 CACM-2138	84	0.131	0.917
39 CACM-1282	85	0.129	0.917
39 CACM-2699	86	0.128	0.917
39 CACM-1459	87	0.126	0.917
39 CACM-2985	88	0.125	0.917
39 CACM-1588	89	0.124	0.917
39 CACM-2081	90	0.122	0.917
39 CACM-2717	91	0.121	0.917
39 CACM-3006	92	0.12	0.917
39 CACM-2201	93	0.118	0.917
39 CACM-1200	94	0.117	0.917
39 CACM-1710	95	0.116	0.917
39 CACM-1485	96	0.115	0.917
39 CACM-0205	97	0.113	0.917
39 CACM-1543	98	0.112	0.917
39 CACM-2794	99	0.111	0.917
39 CACM-1703	100	0.11	0.917
40 CACM-2956	1	1	0.1
40 CACM-2051	2	0.5	0.1
40 CACM-2705	3	0.333	0.1
40 CACM-2941	4	0.5	0.2
40 CACM-3105	5	0.4	0.2
40 CACM-2651	6	0.5	0.3
40 CACM-2940	7	0.571	0.4
40 CACM-2406	8	0.5	0.4
40 CACM-3077	9	0.444	0.4
40 CACM-1098	10	0.4	0.4
40 CACM-2470	11	0.364	0.4
40 CACM-2254	12	0.333	0.4
40 CACM-1485	13	0.308	0.4
40 CACM-1588	14	0.286	0.4
40 CACM-2939	15	0.333	0.5
40 CACM-1366	16	0.312	0.5
40 CACM-2645	17	0.294	0.5
40 CACM-2316	18	0.278	0.5
40 CACM-2265	19	0.316	0.6
40 CACM-1459	20	0.3	0.6
40 CACM-2958	21	0.333	0.7
40 CACM-1457	22	0.318	0.7
40 CACM-2198	23	0.304	0.7

40 CACM-1678	24	0.292	0.7
40 CACM-2603	25	0.28	0.7
40 CACM-2078	26	0.269	0.7
40 CACM-2252	27	0.259	0.7
40 CACM-1835	28	0.25	0.7
40 CACM-2060	29	0.241	0.7
40 CACM-1484	30	0.233	0.7
40 CACM-2957	31	0.226	0.7
40 CACM-1937	32	0.219	0.7
40 CACM-2148	33	0.242	0.8
40 CACM-1237	34	0.235	0.8
40 CACM-3198	35	0.229	0.8
40 CACM-2886	36	0.222	0.8
40 CACM-2305	37	0.216	0.8
40 CACM-2710	38	0.211	0.8
40 CACM-2652	39	0.205	0.8
40 CACM-2295	40	0.2	0.8
40 CACM-2317	41	0.195	0.8
40 CACM-1861	42	0.19	0.8
40 CACM-2931	43	0.186	0.8
40 CACM-1902	44	0.182	0.8
40 CACM-1456	45	0.178	0.8
40 CACM-3103	46	0.174	0.8
40 CACM-1470	47	0.17	0.8
40 CACM-1614	48	0.188	0.9
40 CACM-2002	49	0.184	0.9
40 CACM-2184	50	0.18	0.9
40 CACM-2632	51	0.176	0.9
40 CACM-0949	52	0.173	0.9
40 CACM-2264	53	0.17	0.9
40 CACM-1710	54	0.167	0.9
40 CACM-1467	55	0.164	0.9
40 CACM-1852	56	0.161	0.9
40 CACM-1769	57	0.158	0.9
40 CACM-1612	58	0.155	0.9
40 CACM-1488	59	0.153	0.9
40 CACM-0303	60	0.15	0.9
40 CACM-2546	61	0.148	0.9
40 CACM-2081	62	0.145	0.9
40 CACM-3185	63	0.143	0.9
40 CACM-2003	64	0.141	0.9
40 CACM-2937	65	0.138	0.9
40 CACM-2138	66	0.136	0.9
40 CACM-2767	67	0.134	0.9
40 CACM-1282	68	0.132	0.9
40 CACM-1869	69	0.13	0.9
40 CACM-0867	70	0.129	0.9
40 CACM-1135	71	0.127	0.9
40 CACM-1703	72	0.125	0.9

40 CACM-2929	73	0.123	0.9
40 CACM-3150	74	0.122	0.9
40 CACM-2341	75	0.12	0.9
40 CACM-2876	76	0.118	0.9
40 CACM-3006	77	0.117	0.9
40 CACM-3030	78	0.115	0.9
40 CACM-2534	79	0.114	0.9
40 CACM-2684	80	0.113	0.9
40 CACM-1474	81	0.111	0.9
40 CACM-2314	82	0.11	0.9
40 CACM-1671	83	0.108	0.9
40 CACM-1309	84	0.107	0.9
40 CACM-3148	85	0.106	0.9
40 CACM-2717	86	0.105	0.9
40 CACM-1625	87	0.103	0.9
40 CACM-1051	88	0.102	0.9
40 CACM-2699	89	0.101	0.9
40 CACM-3164	90	0.1	0.9
40 CACM-1693	91	0.099	0.9
40 CACM-1143	92	0.098	0.9
40 CACM-1324	93	0.097	0.9
40 CACM-0321	94	0.096	0.9
40 CACM-2450	95	0.095	0.9
40 CACM-1641	96	0.094	0.9
40 CACM-3101	97	0.093	0.9
40 CACM-1223	98	0.092	0.9
40 CACM-2718	99	0.091	0.9
40 CACM-1379	100	0.09	0.9
42 CACM-1653	1	1	0.048
42 CACM-2318	2	1	0.095
42 CACM-2894	3	0.667	0.095
42 CACM-2984	4	0.75	0.143
42 CACM-2542	5	0.8	0.19
42 CACM-2319	6	0.667	0.19
42 CACM-3089	7	0.571	0.19
42 CACM-3048	8	0.625	0.238
42 CACM-3119	9	0.556	0.238
42 CACM-2268	10	0.5	0.238
42 CACM-1827	11	0.545	0.286
42 CACM-1938	12	0.5	0.286
42 CACM-2452	13	0.462	0.286
42 CACM-3070	14	0.429	0.286
42 CACM-2990	15	0.4	0.286
42 CACM-1908	16	0.375	0.286
42 CACM-1931	17	0.353	0.286
42 CACM-1792	18	0.333	0.286
42 CACM-2634	19	0.316	0.286
42 CACM-2437	20	0.3	0.286
42 CACM-1719	21	0.286	0.286

42 CACM-2741	22	0.273	0.286
42 CACM-2344	23	0.304	0.333
42 CACM-1267	24	0.292	0.333
42 CACM-3136	25	0.28	0.333
42 CACM-2812	26	0.269	0.333
42 CACM-2375	27	0.259	0.333
42 CACM-2892	28	0.25	0.333
42 CACM-1805	29	0.276	0.381
42 CACM-2882	30	0.267	0.381
42 CACM-1534	31	0.258	0.381
42 CACM-2571	32	0.25	0.381
42 CACM-1426	33	0.242	0.381
42 CACM-2988	34	0.235	0.381
42 CACM-2017	35	0.229	0.381
42 CACM-2798	36	0.222	0.381
42 CACM-0893	37	0.216	0.381
42 CACM-3091	38	0.211	0.381
42 CACM-1435	39	0.205	0.381
42 CACM-2902	40	0.2	0.381
42 CACM-2535	41	0.195	0.381
42 CACM-2679	42	0.19	0.381
42 CACM-2716	43	0.186	0.381
42 CACM-1973	44	0.182	0.381
42 CACM-1529	45	0.178	0.381
42 CACM-2862	46	0.174	0.381
42 CACM-1571	47	0.17	0.381
42 CACM-2765	48	0.167	0.381
42 CACM-1518	49	0.184	0.429
42 CACM-0462	50	0.18	0.429
42 CACM-1526	51	0.176	0.429
42 CACM-1173	52	0.173	0.429
42 CACM-1689	53	0.17	0.429
42 CACM-2751	54	0.167	0.429
42 CACM-1940	55	0.164	0.429
42 CACM-2991	56	0.161	0.429
42 CACM-1728	57	0.158	0.429
42 CACM-1032	58	0.155	0.429
42 CACM-0591	59	0.153	0.429
42 CACM-1542	60	0.15	0.429
42 CACM-0096	61	0.148	0.429
42 CACM-1620	62	0.145	0.429
42 CACM-2976	63	0.143	0.429
42 CACM-2951	64	0.156	0.476
42 CACM-2683	65	0.154	0.476
42 CACM-1750	66	0.152	0.476
42 CACM-2967	67	0.149	0.476
42 CACM-2298	68	0.147	0.476
42 CACM-2719	69	0.145	0.476
42 CACM-2886	70	0.143	0.476

42 CACM-3028	71	0.141	0.476
42 CACM-2849	72	0.139	0.476
42 CACM-2720	73	0.137	0.476
42 CACM-2522	74	0.149	0.524
42 CACM-1028	75	0.147	0.524
42 CACM-1030	76	0.145	0.524
42 CACM-2573	77	0.143	0.524
42 CACM-2217	78	0.141	0.524
42 CACM-2669	79	0.139	0.524
42 CACM-2203	80	0.138	0.524
42 CACM-3072	81	0.148	0.571
42 CACM-3187	82	0.146	0.571
42 CACM-2048	83	0.145	0.571
42 CACM-1272	84	0.143	0.571
42 CACM-1705	85	0.141	0.571
42 CACM-2204	86	0.14	0.571
42 CACM-3044	87	0.138	0.571
42 CACM-1270	88	0.136	0.571
42 CACM-1409	89	0.135	0.571
42 CACM-1926	90	0.133	0.571
42 CACM-2859	91	0.132	0.571
42 CACM-0671	92	0.13	0.571
42 CACM-3020	93	0.129	0.571
42 CACM-0040	94	0.128	0.571
42 CACM-2016	95	0.126	0.571
42 CACM-3088	96	0.125	0.571
42 CACM-2779	97	0.124	0.571
42 CACM-0436	98	0.122	0.571
42 CACM-1536	99	0.121	0.571
42 CACM-3077	100	0.12	0.571
43 CACM-2569	1	0	0
43 CACM-2771	2	0.5	0.024
43 CACM-3046	3	0.333	0.024
43 CACM-2847	4	0.25	0.024
43 CACM-3107	5	0.2	0.024
43 CACM-2754	6	0.333	0.049
43 CACM-3098	7	0.286	0.049
43 CACM-2455	8	0.25	0.049
43 CACM-3125	9	0.222	0.049
43 CACM-2883	10	0.3	0.073
43 CACM-2829	11	0.364	0.098
43 CACM-2751	12	0.417	0.122
43 CACM-2341	13	0.385	0.122
43 CACM-1528	14	0.429	0.146
43 CACM-3165	15	0.4	0.146
43 CACM-2113	16	0.375	0.146
43 CACM-2367	17	0.353	0.146
43 CACM-1855	18	0.333	0.146
43 CACM-2929	19	0.316	0.146

43 CACM-1788	20	0.3	0.146
43 CACM-1516	21	0.286	0.146
43 CACM-2198	22	0.273	0.146
43 CACM-2924	23	0.304	0.171
43 CACM-1305	24	0.292	0.171
43 CACM-1280	25	0.28	0.171
43 CACM-1265	26	0.269	0.171
43 CACM-2828	27	0.296	0.195
43 CACM-1399	28	0.286	0.195
43 CACM-2470	29	0.276	0.195
43 CACM-1427	30	0.267	0.195
43 CACM-2402	31	0.258	0.195
43 CACM-1553	32	0.25	0.195
43 CACM-2746	33	0.242	0.195
43 CACM-2287	34	0.235	0.195
43 CACM-1590	35	0.229	0.195
43 CACM-3149	36	0.25	0.22
43 CACM-0462	37	0.243	0.22
43 CACM-2812	38	0.237	0.22
43 CACM-1726	39	0.231	0.22
43 CACM-0320	40	0.225	0.22
43 CACM-1945	41	0.22	0.22
43 CACM-1426	42	0.214	0.22
43 CACM-1738	43	0.209	0.22
43 CACM-1003	44	0.205	0.22
43 CACM-1571	45	0.2	0.22
43 CACM-2232	46	0.196	0.22
43 CACM-2841	47	0.213	0.244
43 CACM-2966	48	0.208	0.244
43 CACM-3143	49	0.204	0.244
43 CACM-1491	50	0.2	0.244
43 CACM-2210	51	0.196	0.244
43 CACM-2327	52	0.192	0.244
43 CACM-3027	53	0.189	0.244
43 CACM-3100	54	0.185	0.244
43 CACM-3049	55	0.182	0.244
43 CACM-1834	56	0.179	0.244
43 CACM-2811	57	0.193	0.268
43 CACM-2494	58	0.19	0.268
43 CACM-1628	59	0.186	0.268
43 CACM-1233	60	0.183	0.268
43 CACM-2377	61	0.18	0.268
43 CACM-2289	62	0.177	0.268
43 CACM-2187	63	0.175	0.268
43 CACM-1182	64	0.172	0.268
43 CACM-3033	65	0.169	0.268
43 CACM-0303	66	0.167	0.268
43 CACM-2310	67	0.164	0.268
43 CACM-2547	68	0.162	0.268

43 CACM-1527	69	0.159	0.268
43 CACM-1308	70	0.157	0.268
43 CACM-2989	71	0.155	0.268
43 CACM-1223	72	0.153	0.268
43 CACM-1764	73	0.151	0.268
43 CACM-1272	74	0.149	0.268
43 CACM-0527	75	0.147	0.268
43 CACM-2020	76	0.145	0.268
43 CACM-2871	77	0.143	0.268
43 CACM-2153	78	0.141	0.268
43 CACM-1605	79	0.139	0.268
43 CACM-1769	80	0.138	0.268
43 CACM-3015	81	0.136	0.268
43 CACM-1939	82	0.134	0.268
43 CACM-2903	83	0.133	0.268
43 CACM-2959	84	0.131	0.268
43 CACM-2215	85	0.129	0.268
43 CACM-1366	86	0.128	0.268
43 CACM-1517	87	0.126	0.268
43 CACM-3117	88	0.125	0.268
43 CACM-2054	89	0.124	0.268
43 CACM-1667	90	0.122	0.268
43 CACM-1893	91	0.121	0.268
43 CACM-3078	92	0.12	0.268
43 CACM-2962	93	0.118	0.268
43 CACM-2201	94	0.128	0.293
43 CACM-2390	95	0.126	0.293
43 CACM-1543	96	0.125	0.293
43 CACM-2519	97	0.124	0.293
43 CACM-0096	98	0.122	0.293
43 CACM-2556	99	0.121	0.293
43 CACM-1323	100	0.12	0.293
44 CACM-2829	1	1	0.059
44 CACM-2523	2	1	0.118
44 CACM-2984	3	0.667	0.118
44 CACM-3042	4	0.5	0.118
44 CACM-3059	5	0.4	0.118
44 CACM-2283	6	0.333	0.118
44 CACM-0693	7	0.286	0.118
44 CACM-2771	8	0.375	0.176
44 CACM-2547	9	0.444	0.235
44 CACM-2451	10	0.4	0.235
44 CACM-2751	11	0.455	0.294
44 CACM-1951	12	0.417	0.294
44 CACM-1843	13	0.385	0.294
44 CACM-2325	14	0.357	0.294
44 CACM-2535	15	0.333	0.294
44 CACM-0236	16	0.312	0.294
44 CACM-1686	17	0.294	0.294

System 5

44 CACM-1630	18	0.278	0.294
44 CACM-1002	19	0.263	0.294
44 CACM-2924	20	0.3	0.353
44 CACM-2494	21	0.286	0.353
44 CACM-3096	22	0.273	0.353
44 CACM-3050	23	0.261	0.353
44 CACM-2753	24	0.25	0.353
44 CACM-1694	25	0.24	0.353
44 CACM-3109	26	0.231	0.353
44 CACM-3022	27	0.222	0.353
44 CACM-2986	28	0.214	0.353
44 CACM-2478	29	0.207	0.353
44 CACM-3111	30	0.2	0.353
44 CACM-3036	31	0.194	0.353
44 CACM-1260	32	0.188	0.353
44 CACM-2125	33	0.182	0.353
44 CACM-1525	34	0.176	0.353
44 CACM-0533	35	0.171	0.353
44 CACM-3078	36	0.167	0.353
44 CACM-2581	37	0.162	0.353
44 CACM-2947	38	0.158	0.353
44 CACM-2687	39	0.179	0.412
44 CACM-2327	40	0.175	0.412
44 CACM-2905	41	0.171	0.412
44 CACM-3084	42	0.167	0.412
44 CACM-1741	43	0.163	0.412
44 CACM-2754	44	0.159	0.412
44 CACM-2560	45	0.156	0.412
44 CACM-2062	46	0.152	0.412
44 CACM-2966	47	0.149	0.412
44 CACM-2187	48	0.146	0.412
44 CACM-1325	49	0.143	0.412
44 CACM-1653	50	0.14	0.412
44 CACM-1936	51	0.137	0.412
44 CACM-0322	52	0.135	0.412
44 CACM-3040	53	0.132	0.412
44 CACM-1571	54	0.13	0.412
44 CACM-1474	55	0.127	0.412
44 CACM-1236	56	0.125	0.412
44 CACM-1623	57	0.123	0.412
44 CACM-3086	58	0.121	0.412
44 CACM-0464	59	0.119	0.412
44 CACM-1323	60	0.117	0.412
44 CACM-1271	61	0.115	0.412
44 CACM-1909	62	0.113	0.412
44 CACM-1700	63	0.111	0.412
44 CACM-2720	64	0.109	0.412
44 CACM-1517	65	0.108	0.412
44 CACM-3003	66	0.106	0.412

44 CACM-1679	67	0.104	0.412
44 CACM-2018	68	0.103	0.412
44 CACM-2310	69	0.101	0.412
44 CACM-2059	70	0.1	0.412
44 CACM-2081	71	0.099	0.412
44 CACM-2891	72	0.097	0.412
44 CACM-1214	73	0.096	0.412
44 CACM-2402	74	0.095	0.412
44 CACM-0959	75	0.093	0.412
44 CACM-1383	76	0.092	0.412
44 CACM-2580	77	0.091	0.412
44 CACM-1764	78	0.09	0.412
44 CACM-2308	79	0.089	0.412
44 CACM-2525	80	0.087	0.412
44 CACM-0096	81	0.086	0.412
44 CACM-0436	82	0.085	0.412
44 CACM-0824	83	0.084	0.412
44 CACM-2447	84	0.083	0.412
44 CACM-1720	85	0.082	0.412
44 CACM-2987	86	0.081	0.412
44 CACM-3117	87	0.08	0.412
44 CACM-1445	88	0.08	0.412
44 CACM-0644	89	0.079	0.412
44 CACM-2825	90	0.078	0.412
44 CACM-2004	91	0.088	0.471
44 CACM-2962	92	0.087	0.471
44 CACM-1188	93	0.086	0.471
44 CACM-1208	94	0.085	0.471
44 CACM-1001	95	0.084	0.471
44 CACM-2203	96	0.083	0.471
44 CACM-1590	97	0.082	0.471
44 CACM-2848	98	0.082	0.471
44 CACM-2113	99	0.081	0.471
44 CACM-1272	100	0.08	0.471
45 CACM-2452	1	1	0.038
45 CACM-2765	2	1	0.077
45 CACM-1976	3	0.667	0.077
45 CACM-2816	4	0.75	0.115
45 CACM-2140	5	0.8	0.154
45 CACM-2114	6	0.667	0.154
45 CACM-2631	7	0.571	0.154
45 CACM-2926	8	0.5	0.154
45 CACM-1194	9	0.444	0.154
45 CACM-1032	10	0.4	0.154
45 CACM-2359	11	0.455	0.192
45 CACM-1226	12	0.417	0.192
45 CACM-3137	13	0.462	0.231
45 CACM-2969	14	0.5	0.269
45 CACM-3058	15	0.533	0.308

45 CACM-2978	16	0.5	0.308
45 CACM-2493	17	0.529	0.346
45 CACM-3134	18	0.5	0.346
45 CACM-3002	19	0.526	0.385
45 CACM-2160	20	0.5	0.385
45 CACM-1535	21	0.476	0.385
45 CACM-2437	22	0.455	0.385
45 CACM-2688	23	0.435	0.385
45 CACM-3129	24	0.458	0.423
45 CACM-1959	25	0.44	0.423
45 CACM-3063	26	0.423	0.423
45 CACM-2991	27	0.407	0.423
45 CACM-2288	28	0.393	0.423
45 CACM-3147	29	0.379	0.423
45 CACM-2949	30	0.367	0.423
45 CACM-1412	31	0.355	0.423
45 CACM-2253	32	0.344	0.423
45 CACM-1796	33	0.333	0.423
45 CACM-2390	34	0.324	0.423
45 CACM-0849	35	0.314	0.423
45 CACM-2484	36	0.306	0.423
45 CACM-0855	37	0.297	0.423
45 CACM-1712	38	0.289	0.423
45 CACM-3089	39	0.282	0.423
45 CACM-2451	40	0.275	0.423
45 CACM-2976	41	0.268	0.423
45 CACM-3148	42	0.262	0.423
45 CACM-2680	43	0.279	0.462
45 CACM-3152	44	0.295	0.5
45 CACM-0696	45	0.289	0.5
45 CACM-2900	46	0.304	0.538
45 CACM-1700	47	0.298	0.538
45 CACM-1844	48	0.292	0.538
45 CACM-2203	49	0.286	0.538
45 CACM-2860	50	0.28	0.538
45 CACM-2833	51	0.275	0.538
45 CACM-1267	52	0.269	0.538
45 CACM-3028	53	0.264	0.538
45 CACM-1854	54	0.259	0.538
45 CACM-0944	55	0.255	0.538
45 CACM-0397	56	0.25	0.538
45 CACM-2965	57	0.263	0.577
45 CACM-1677	58	0.259	0.577
45 CACM-2819	59	0.254	0.577
45 CACM-1514	60	0.25	0.577
45 CACM-2538	61	0.246	0.577
45 CACM-3168	62	0.258	0.615
45 CACM-2319	63	0.254	0.615
45 CACM-2032	64	0.25	0.615

45 CACM-2888	65	0.246	0.615
45 CACM-3114	66	0.242	0.615
45 CACM-2307	67	0.239	0.615
45 CACM-2716	68	0.25	0.654
45 CACM-0615	69	0.246	0.654
45 CACM-2542	70	0.243	0.654
45 CACM-2882	71	0.254	0.692
45 CACM-2258	72	0.25	0.692
45 CACM-2728	73	0.247	0.692
45 CACM-2092	74	0.243	0.692
45 CACM-2106	75	0.24	0.692
45 CACM-3128	76	0.237	0.692
45 CACM-2313	77	0.234	0.692
45 CACM-2781	78	0.231	0.692
45 CACM-1926	79	0.228	0.692
45 CACM-2812	80	0.225	0.692
45 CACM-2817	81	0.222	0.692
45 CACM-1476	82	0.22	0.692
45 CACM-1653	83	0.217	0.692
45 CACM-2944	84	0.214	0.692
45 CACM-1515	85	0.212	0.692
45 CACM-2669	86	0.221	0.731
45 CACM-1438	87	0.218	0.731
45 CACM-2623	88	0.216	0.731
45 CACM-2629	89	0.213	0.731
45 CACM-2849	90	0.211	0.731
45 CACM-1927	91	0.209	0.731
45 CACM-1657	92	0.207	0.731
45 CACM-1416	93	0.204	0.731
45 CACM-2247	94	0.202	0.731
45 CACM-3181	95	0.2	0.731
45 CACM-2375	96	0.198	0.731
45 CACM-1908	97	0.196	0.731
45 CACM-2406	98	0.194	0.731
45 CACM-3084	99	0.192	0.731
45 CACM-1135	100	0.19	0.731
48 CACM-1759	1	0	0
48 CACM-2056	2	0	0
48 CACM-2589	3	0.333	0.083
48 CACM-1797	4	0.5	0.167
48 CACM-1666	5	0.6	0.25
48 CACM-1899	6	0.5	0.25
48 CACM-1863	7	0.571	0.333
48 CACM-1729	8	0.625	0.417
48 CACM-2223	9	0.667	0.5
48 CACM-2475	10	0.6	0.5
48 CACM-1914	11	0.545	0.5
48 CACM-2509	12	0.5	0.5
48 CACM-1688	13	0.462	0.5

48 CACM-2431	14	0.429	0.5
48 CACM-1687	15	0.4	0.5
48 CACM-2088	16	0.375	0.5
48 CACM-1690	17	0.353	0.5
48 CACM-2510	18	0.333	0.5
48 CACM-2675	19	0.316	0.5
48 CACM-2073	20	0.35	0.583
48 CACM-2362	21	0.333	0.583
48 CACM-2226	22	0.364	0.667
48 CACM-2324	23	0.348	0.667
48 CACM-2325	24	0.375	0.75
48 CACM-1880	25	0.36	0.75
48 CACM-1734	26	0.346	0.75
48 CACM-1776	27	0.333	0.75
48 CACM-0927	28	0.321	0.75
48 CACM-2285	29	0.345	0.833
48 CACM-1873	30	0.333	0.833
48 CACM-1905	31	0.323	0.833
48 CACM-0149	32	0.312	0.833
48 CACM-2284	33	0.303	0.833
48 CACM-2665	34	0.294	0.833
48 CACM-2592	35	0.286	0.833
48 CACM-2094	36	0.278	0.833
48 CACM-2142	37	0.27	0.833
48 CACM-1353	38	0.289	0.917
48 CACM-2904	39	0.282	0.917
48 CACM-1370	40	0.275	0.917
48 CACM-2417	41	0.268	0.917
48 CACM-2938	42	0.262	0.917
48 CACM-2507	43	0.256	0.917
48 CACM-2206	44	0.25	0.917
48 CACM-2986	45	0.244	0.917
48 CACM-1883	46	0.239	0.917
48 CACM-1342	47	0.234	0.917
48 CACM-2009	48	0.229	0.917
48 CACM-2040	49	0.224	0.917
48 CACM-1982	50	0.22	0.917
48 CACM-1336	51	0.216	0.917
48 CACM-2395	52	0.212	0.917
48 CACM-2766	53	0.208	0.917
48 CACM-2331	54	0.204	0.917
48 CACM-1985	55	0.2	0.917
48 CACM-2830	56	0.196	0.917
48 CACM-1171	57	0.193	0.917
48 CACM-2135	58	0.19	0.917
48 CACM-0131	59	0.186	0.917
48 CACM-2014	60	0.183	0.917
48 CACM-1406	61	0.18	0.917
48 CACM-3162	62	0.177	0.917

48 CACM-0968	63	0.175	0.917
48 CACM-2110	64	0.172	0.917
48 CACM-1817	65	0.169	0.917
48 CACM-0558	66	0.167	0.917
48 CACM-2824	67	0.164	0.917
48 CACM-2573	68	0.162	0.917
48 CACM-2511	69	0.159	0.917
48 CACM-3138	70	0.157	0.917
48 CACM-1227	71	0.155	0.917
48 CACM-0302	72	0.153	0.917
48 CACM-0613	73	0.151	0.917
48 CACM-1452	74	0.149	0.917
48 CACM-0465	75	0.147	0.917
48 CACM-0456	76	0.145	0.917
48 CACM-2562	77	0.143	0.917
48 CACM-1240	78	0.141	0.917
48 CACM-0418	79	0.139	0.917
48 CACM-0509	80	0.138	0.917
48 CACM-1123	81	0.136	0.917
48 CACM-2974	82	0.134	0.917
48 CACM-0486	83	0.133	0.917
48 CACM-0128	84	0.131	0.917
48 CACM-0125	85	0.129	0.917
48 CACM-0701	86	0.128	0.917
48 CACM-0886	87	0.126	0.917
48 CACM-0939	88	0.125	0.917
48 CACM-0712	89	0.124	0.917
48 CACM-0713	90	0.122	0.917
48 CACM-0424	91	0.121	0.917
48 CACM-0423	92	0.12	0.917
48 CACM-0744	93	0.118	0.917
48 CACM-2405	94	0.117	0.917
48 CACM-1586	95	0.116	0.917
48 CACM-0645	96	0.115	0.917
48 CACM-0706	97	0.113	0.917
48 CACM-0446	98	0.112	0.917
48 CACM-1376	99	0.111	0.917
48 CACM-0837	100	0.11	0.917
49 CACM-3134	1	0	0
49 CACM-2288	2	0	0
49 CACM-1032	3	0	0
49 CACM-2882	4	0	0
49 CACM-2390	5	0.2	0.125
49 CACM-2795	6	0.333	0.25
49 CACM-2160	7	0.286	0.25
49 CACM-2631	8	0.25	0.25
49 CACM-2990	9	0.222	0.25
49 CACM-3012	10	0.2	0.25
49 CACM-1959	11	0.182	0.25

49 CACM-1699	12	0.167	0.25
49 CACM-1349	13	0.154	0.25
49 CACM-1457	14	0.143	0.25
49 CACM-1927	15	0.133	0.25
49 CACM-3100	16	0.125	0.25
49 CACM-1514	17	0.118	0.25
49 CACM-1976	18	0.111	0.25
49 CACM-2140	19	0.105	0.25
49 CACM-2307	20	0.1	0.25
49 CACM-1627	21	0.095	0.25
49 CACM-1681	22	0.136	0.375
49 CACM-1935	23	0.13	0.375
49 CACM-0440	24	0.125	0.375
49 CACM-2765	25	0.12	0.375
49 CACM-2846	26	0.115	0.375
49 CACM-3177	27	0.111	0.375
49 CACM-1725	28	0.107	0.375
49 CACM-0239	29	0.103	0.375
49 CACM-2046	30	0.1	0.375
49 CACM-2688	31	0.097	0.375
49 CACM-1290	32	0.094	0.375
49 CACM-1236	33	0.091	0.375
49 CACM-2484	34	0.088	0.375
49 CACM-1226	35	0.086	0.375
49 CACM-2519	36	0.083	0.375
49 CACM-2163	37	0.081	0.375
49 CACM-0322	38	0.079	0.375
49 CACM-1194	39	0.077	0.375
49 CACM-2479	40	0.075	0.375
49 CACM-2319	41	0.073	0.375
49 CACM-1652	42	0.071	0.375
49 CACM-2111	43	0.07	0.375
49 CACM-2451	44	0.068	0.375
49 CACM-2407	45	0.067	0.375
49 CACM-0891	46	0.065	0.375
49 CACM-2711	47	0.064	0.375
49 CACM-3090	48	0.062	0.375
49 CACM-2561	49	0.082	0.5
49 CACM-1625	50	0.08	0.5
49 CACM-3181	51	0.078	0.5
49 CACM-2493	52	0.077	0.5
49 CACM-2298	53	0.075	0.5
49 CACM-1751	54	0.074	0.5
49 CACM-2198	55	0.073	0.5
49 CACM-2965	56	0.071	0.5
49 CACM-3154	57	0.07	0.5
49 CACM-1854	58	0.069	0.5
49 CACM-3168	59	0.068	0.5
49 CACM-1680	60	0.067	0.5

49 CACM-1280	61	0.066	0.5
49 CACM-2345	62	0.065	0.5
49 CACM-1844	63	0.063	0.5
49 CACM-2947	64	0.062	0.5
49 CACM-1415	65	0.062	0.5
49 CACM-1653	66	0.061	0.5
49 CACM-1233	67	0.06	0.5
49 CACM-3145	68	0.059	0.5
49 CACM-1527	69	0.058	0.5
49 CACM-1937	70	0.057	0.5
49 CACM-1476	71	0.056	0.5
49 CACM-2832	72	0.069	0.625
49 CACM-1541	73	0.068	0.625
49 CACM-2516	74	0.068	0.625
49 CACM-2455	75	0.067	0.625
49 CACM-1248	76	0.066	0.625
49 CACM-1359	77	0.065	0.625
49 CACM-2092	78	0.064	0.625
49 CACM-2852	79	0.063	0.625
49 CACM-1267	80	0.062	0.625
49 CACM-1750	81	0.062	0.625
49 CACM-1748	82	0.061	0.625
49 CACM-2358	83	0.06	0.625
49 CACM-2127	84	0.071	0.75
49 CACM-1199	85	0.071	0.75
49 CACM-2812	86	0.07	0.75
49 CACM-2876	87	0.069	0.75
49 CACM-0616	88	0.068	0.75
49 CACM-2841	89	0.067	0.75
49 CACM-0068	90	0.067	0.75
49 CACM-2650	91	0.066	0.75
49 CACM-2816	92	0.065	0.75
49 CACM-0651	93	0.065	0.75
49 CACM-2870	94	0.064	0.75
49 CACM-2978	95	0.063	0.75
49 CACM-0892	96	0.062	0.75
49 CACM-2749	97	0.062	0.75
49 CACM-1602	98	0.061	0.75
49 CACM-1675	99	0.061	0.75
49 CACM-2916	100	0.06	0.75
57 CACM-3077	1	1	1
57 CACM-3140	2	0.5	1
57 CACM-0796	3	0.333	1
57 CACM-3069	4	0.25	1
57 CACM-1155	5	0.2	1
57 CACM-1705	6	0.167	1
57 CACM-1764	7	0.143	1
57 CACM-2705	8	0.125	1
57 CACM-3121	9	0.111	1

57 CACM-2700	10	0.1	1
57 CACM-0695	11	0.091	1
57 CACM-2922	12	0.083	1
57 CACM-1084	13	0.077	1
57 CACM-2876	14	0.071	1
57 CACM-1630	15	0.067	1
57 CACM-2341	16	0.062	1
57 CACM-2160	17	0.059	1
57 CACM-3133	18	0.056	1
57 CACM-3148	19	0.053	1
57 CACM-2113	20	0.05	1
57 CACM-3036	21	0.048	1
57 CACM-2931	22	0.045	1
57 CACM-0616	23	0.043	1
57 CACM-2905	24	0.042	1
57 CACM-2802	25	0.04	1
57 CACM-2850	26	0.038	1
57 CACM-1433	27	0.037	1
57 CACM-1469	28	0.036	1
57 CACM-3099	29	0.034	1
57 CACM-3182	30	0.033	1
57 CACM-2898	31	0.032	1
57 CACM-1703	32	0.031	1
57 CACM-1536	33	0.03	1
57 CACM-3047	34	0.029	1
57 CACM-3179	35	0.029	1
57 CACM-2535	36	0.028	1
57 CACM-2888	37	0.027	1
57 CACM-1677	38	0.026	1
57 CACM-2832	39	0.026	1
57 CACM-2060	40	0.025	1
57 CACM-1727	41	0.024	1
57 CACM-2981	42	0.024	1
57 CACM-1975	43	0.023	1
57 CACM-2083	44	0.023	1
57 CACM-3103	45	0.022	1
57 CACM-3154	46	0.022	1
57 CACM-1470	47	0.021	1
57 CACM-0696	48	0.021	1
57 CACM-0585	49	0.02	1
57 CACM-3120	50	0.02	1
57 CACM-0981	51	0.02	1
57 CACM-0196	52	0.019	1
57 CACM-1909	53	0.019	1
57 CACM-1458	54	0.019	1
57 CACM-2883	55	0.018	1
57 CACM-1608	56	0.018	1
57 CACM-3138	57	0.018	1
57 CACM-1502	58	0.017	1

57 CACM-1934	59	0.017	1
57 CACM-2704	60	0.017	1
57 CACM-2645	61	0.016	1
57 CACM-3111	62	0.016	1
57 CACM-2219	63	0.016	1
57 CACM-2092	64	0.016	1
57 CACM-2880	65	0.015	1
57 CACM-1685	66	0.015	1
57 CACM-1665	67	0.015	1
57 CACM-2188	68	0.015	1
57 CACM-3157	69	0.014	1
57 CACM-1397	70	0.014	1
57 CACM-1771	71	0.014	1
57 CACM-1698	72	0.014	1
57 CACM-2538	73	0.014	1
57 CACM-3052	74	0.014	1
57 CACM-2518	75	0.013	1
57 CACM-3104	76	0.013	1
57 CACM-2925	77	0.013	1
57 CACM-1489	78	0.013	1
57 CACM-0675	79	0.013	1
57 CACM-0527	80	0.013	1
57 CACM-1929	81	0.012	1
57 CACM-1003	82	0.012	1
57 CACM-2061	83	0.012	1
57 CACM-2181	84	0.012	1
57 CACM-1497	85	0.012	1
57 CACM-3078	86	0.012	1
57 CACM-2886	87	0.011	1
57 CACM-2002	88	0.011	1
57 CACM-3054	89	0.011	1
57 CACM-3106	90	0.011	1
57 CACM-1323	91	0.011	1
57 CACM-2470	92	0.011	1
57 CACM-0727	93	0.011	1
57 CACM-1834	94	0.011	1
57 CACM-0254	95	0.011	1
57 CACM-3150	96	0.01	1
57 CACM-1455	97	0.01	1
57 CACM-2020	98	0.01	1
57 CACM-2718	99	0.01	1
57 CACM-2938	100	0.01	1
58 CACM-2634	1	1	0.033
58 CACM-1709	2	1	0.067
58 CACM-1344	3	1	0.1
58 CACM-2825	4	1	0.133
58 CACM-1420	5	1	0.167
58 CACM-2216	6	0.833	0.167
58 CACM-3166	7	0.857	0.2

58 CACM-1631	8	0.875	0.233
58 CACM-1398	9	0.889	0.267
58 CACM-1637	10	0.8	0.267
58 CACM-1474	11	0.727	0.267
58 CACM-1171	12	0.667	0.267
58 CACM-1816	13	0.615	0.267
58 CACM-0069	14	0.571	0.267
58 CACM-1874	15	0.533	0.267
58 CACM-2395	16	0.562	0.3
58 CACM-1691	17	0.588	0.333
58 CACM-0382	18	0.556	0.333
58 CACM-2373	19	0.526	0.333
58 CACM-1619	20	0.55	0.367
58 CACM-0050	21	0.524	0.367
58 CACM-2525	22	0.5	0.367
58 CACM-1732	23	0.478	0.367
58 CACM-1823	24	0.458	0.367
58 CACM-1206	25	0.44	0.367
58 CACM-0942	26	0.423	0.367
58 CACM-2225	27	0.407	0.367
58 CACM-2488	28	0.393	0.367
58 CACM-1946	29	0.379	0.367
58 CACM-2999	30	0.367	0.367
58 CACM-2096	31	0.355	0.367
58 CACM-2249	32	0.375	0.4
58 CACM-1252	33	0.364	0.4
58 CACM-1629	34	0.382	0.433
58 CACM-2595	35	0.371	0.433
58 CACM-2062	36	0.361	0.433
58 CACM-2779	37	0.351	0.433
58 CACM-1604	38	0.342	0.433
58 CACM-0298	39	0.333	0.433
58 CACM-2670	40	0.325	0.433
58 CACM-3138	41	0.317	0.433
58 CACM-0533	42	0.31	0.433
58 CACM-2142	43	0.302	0.433
58 CACM-1848	44	0.295	0.433
58 CACM-1016	45	0.289	0.433
58 CACM-0536	46	0.283	0.433
58 CACM-1366	47	0.277	0.433
58 CACM-2849	48	0.271	0.433
58 CACM-0495	49	0.265	0.433
58 CACM-1443	50	0.26	0.433
58 CACM-1674	51	0.255	0.433
58 CACM-1644	52	0.25	0.433
58 CACM-2951	53	0.245	0.433
58 CACM-3092	54	0.241	0.433
58 CACM-2592	55	0.236	0.433
58 CACM-2325	56	0.232	0.433

58 CACM-0266	57	0.228	0.433
58 CACM-2101	58	0.224	0.433
58 CACM-2679	59	0.22	0.433
58 CACM-0840	60	0.217	0.433
58 CACM-1698	61	0.213	0.433
58 CACM-0529	62	0.21	0.433
58 CACM-2585	63	0.206	0.433
58 CACM-3199	64	0.203	0.433
58 CACM-2480	65	0.2	0.433
58 CACM-2135	66	0.197	0.433
58 CACM-1695	67	0.194	0.433
58 CACM-0048	68	0.191	0.433
58 CACM-1423	69	0.188	0.433
58 CACM-1384	70	0.186	0.433
58 CACM-2993	71	0.183	0.433
58 CACM-2737	72	0.181	0.433
58 CACM-0432	73	0.178	0.433
58 CACM-1609	74	0.176	0.433
58 CACM-3150	75	0.173	0.433
58 CACM-1578	76	0.171	0.433
58 CACM-2732	77	0.169	0.433
58 CACM-2884	78	0.167	0.433
58 CACM-3167	79	0.177	0.467
58 CACM-2238	80	0.175	0.467
58 CACM-0122	81	0.173	0.467
58 CACM-2418	82	0.171	0.467
58 CACM-0801	83	0.169	0.467
58 CACM-0839	84	0.167	0.467
58 CACM-0126	85	0.165	0.467
58 CACM-0765	86	0.163	0.467
58 CACM-2260	87	0.161	0.467
58 CACM-0297	88	0.159	0.467
58 CACM-1598	89	0.157	0.467
58 CACM-2145	90	0.156	0.467
58 CACM-1116	91	0.154	0.467
58 CACM-1835	92	0.152	0.467
58 CACM-2217	93	0.151	0.467
58 CACM-2102	94	0.149	0.467
58 CACM-1143	95	0.147	0.467
58 CACM-0884	96	0.146	0.467
58 CACM-2375	97	0.144	0.467
58 CACM-1675	98	0.143	0.467
58 CACM-2970	99	0.141	0.467
58 CACM-2907	100	0.14	0.467
59 CACM-1456	1	1	0.023
59 CACM-1235	2	1	0.047
59 CACM-1700	3	1	0.07
59 CACM-1681	4	0.75	0.07
59 CACM-2127	5	0.8	0.093

59 CACM-1855	6	0.833	0.116
59 CACM-3087	7	0.714	0.116
59 CACM-1112	8	0.75	0.14
59 CACM-0144	9	0.667	0.14
59 CACM-2437	10	0.6	0.14
59 CACM-2905	11	0.636	0.163
59 CACM-1457	12	0.667	0.186
59 CACM-2032	13	0.692	0.209
59 CACM-2203	14	0.714	0.233
59 CACM-2111	15	0.733	0.256
59 CACM-3134	16	0.688	0.256
59 CACM-0944	17	0.647	0.256
59 CACM-2484	18	0.611	0.256
59 CACM-1527	19	0.579	0.256
59 CACM-2141	20	0.55	0.256
59 CACM-2572	21	0.524	0.256
59 CACM-2050	22	0.5	0.256
59 CACM-1699	23	0.478	0.256
59 CACM-2705	24	0.458	0.256
59 CACM-2307	25	0.44	0.256
59 CACM-1929	26	0.423	0.256
59 CACM-2274	27	0.444	0.279
59 CACM-2991	28	0.464	0.302
59 CACM-2092	29	0.483	0.326
59 CACM-1705	30	0.467	0.326
59 CACM-1032	31	0.452	0.326
59 CACM-3041	32	0.438	0.326
59 CACM-2396	33	0.424	0.326
59 CACM-2046	34	0.412	0.326
59 CACM-2846	35	0.4	0.326
59 CACM-1725	36	0.389	0.326
59 CACM-2258	37	0.378	0.326
59 CACM-1324	38	0.395	0.349
59 CACM-1665	39	0.385	0.349
59 CACM-2631	40	0.4	0.372
59 CACM-2795	41	0.39	0.372
59 CACM-2267	42	0.381	0.372
59 CACM-2688	43	0.372	0.372
59 CACM-3046	44	0.364	0.372
59 CACM-1516	45	0.356	0.372
59 CACM-1808	46	0.348	0.372
59 CACM-1856	47	0.34	0.372
59 CACM-1711	48	0.333	0.372
59 CACM-1601	49	0.327	0.372
59 CACM-1402	50	0.32	0.372
59 CACM-1331	51	0.314	0.372
59 CACM-3053	52	0.327	0.395
59 CACM-2532	53	0.34	0.419
59 CACM-1170	54	0.352	0.442

59 CACM-2623	55	0.345	0.442
59 CACM-2812	56	0.339	0.442
59 CACM-1236	57	0.333	0.442
59 CACM-2033	58	0.345	0.465
59 CACM-2987	59	0.339	0.465
59 CACM-3077	60	0.333	0.465
59 CACM-2519	61	0.328	0.465
59 CACM-2646	62	0.323	0.465
59 CACM-2923	63	0.317	0.465
59 CACM-1886	64	0.312	0.465
59 CACM-2711	65	0.308	0.465
59 CACM-2650	66	0.303	0.465
59 CACM-2733	67	0.299	0.465
59 CACM-2273	68	0.294	0.465
59 CACM-1726	69	0.29	0.465
59 CACM-2990	70	0.286	0.465
59 CACM-2091	71	0.282	0.465
59 CACM-0440	72	0.278	0.465
59 CACM-1916	73	0.274	0.465
59 CACM-0891	74	0.27	0.465
59 CACM-2139	75	0.267	0.465
59 CACM-2265	76	0.263	0.465
59 CACM-2559	77	0.273	0.488
59 CACM-1888	78	0.269	0.488
59 CACM-1861	79	0.266	0.488
59 CACM-2412	80	0.275	0.512
59 CACM-0695	81	0.272	0.512
59 CACM-1182	82	0.268	0.512
59 CACM-2968	83	0.265	0.512
59 CACM-1602	84	0.262	0.512
59 CACM-2998	85	0.259	0.512
59 CACM-2753	86	0.256	0.512
59 CACM-2931	87	0.253	0.512
59 CACM-2924	88	0.25	0.512
59 CACM-1517	89	0.247	0.512
59 CACM-1959	90	0.244	0.512
59 CACM-1939	91	0.242	0.512
59 CACM-2107	92	0.25	0.535
59 CACM-2543	93	0.258	0.558
59 CACM-1206	94	0.255	0.558
59 CACM-1885	95	0.263	0.581
59 CACM-3126	96	0.271	0.605
59 CACM-1625	97	0.268	0.605
59 CACM-1989	98	0.265	0.605
59 CACM-1292	99	0.263	0.605
59 CACM-1620	100	0.26	0.605
60 CACM-3087	1	1	0.037
60 CACM-2882	2	1	0.074
60 CACM-2816	3	1	0.111

60 CACM-2976	4	1	0.148
60 CACM-2715	5	1	0.185
60 CACM-2452	6	1	0.222
60 CACM-2964	7	1	0.259
60 CACM-2765	8	1	0.296
60 CACM-1959	9	0.889	0.296
60 CACM-1844	10	0.8	0.296
60 CACM-3089	11	0.727	0.296
60 CACM-2716	12	0.75	0.333
60 CACM-1712	13	0.692	0.333
60 CACM-2888	14	0.643	0.333
60 CACM-2817	15	0.667	0.37
60 CACM-2876	16	0.625	0.37
60 CACM-1194	17	0.588	0.37
60 CACM-1976	18	0.556	0.37
60 CACM-0855	19	0.526	0.37
60 CACM-2749	20	0.5	0.37
60 CACM-1854	21	0.476	0.37
60 CACM-3049	22	0.455	0.37
60 CACM-1032	23	0.435	0.37
60 CACM-2345	24	0.417	0.37
60 CACM-1226	25	0.4	0.37
60 CACM-2957	26	0.423	0.407
60 CACM-2407	27	0.407	0.407
60 CACM-0695	28	0.393	0.407
60 CACM-2959	29	0.414	0.444
60 CACM-3134	30	0.4	0.444
60 CACM-2918	31	0.387	0.444
60 CACM-2718	32	0.406	0.481
60 CACM-1677	33	0.394	0.481
60 CACM-2812	34	0.382	0.481
60 CACM-3137	35	0.4	0.519
60 CACM-2298	36	0.389	0.519
60 CACM-2710	37	0.405	0.556
60 CACM-1505	38	0.395	0.556
60 CACM-2967	39	0.385	0.556
60 CACM-1697	40	0.375	0.556
60 CACM-1627	41	0.366	0.556
60 CACM-3026	42	0.357	0.556
60 CACM-1752	43	0.349	0.556
60 CACM-3112	44	0.341	0.556
60 CACM-2516	45	0.356	0.593
60 CACM-1349	46	0.348	0.593
60 CACM-3136	47	0.34	0.593
60 CACM-2688	48	0.333	0.593
60 CACM-2359	49	0.327	0.593
60 CACM-2092	50	0.32	0.593
60 CACM-2484	51	0.314	0.593
60 CACM-2631	52	0.308	0.593

60 CACM-3025	53	0.302	0.593
60 CACM-2988	54	0.296	0.593
60 CACM-3058	55	0.291	0.593
60 CACM-2951	56	0.286	0.593
60 CACM-0322	57	0.281	0.593
60 CACM-2002	58	0.276	0.593
60 CACM-2288	59	0.271	0.593
60 CACM-2322	60	0.267	0.593
60 CACM-2424	61	0.262	0.593
60 CACM-2188	62	0.258	0.593
60 CACM-0849	63	0.254	0.593
60 CACM-3147	64	0.266	0.63
60 CACM-0276	65	0.262	0.63
60 CACM-2111	66	0.258	0.63
60 CACM-3070	67	0.254	0.63
60 CACM-1476	68	0.25	0.63
60 CACM-2319	69	0.246	0.63
60 CACM-2811	70	0.243	0.63
60 CACM-2095	71	0.239	0.63
60 CACM-0972	72	0.236	0.63
60 CACM-1572	73	0.233	0.63
60 CACM-2881	74	0.23	0.63
60 CACM-3063	75	0.227	0.63
60 CACM-1695	76	0.224	0.63
60 CACM-1571	77	0.221	0.63
60 CACM-2003	78	0.218	0.63
60 CACM-1680	79	0.215	0.63
60 CACM-3142	80	0.212	0.63
60 CACM-2955	81	0.21	0.63
60 CACM-2375	82	0.207	0.63
60 CACM-3164	83	0.205	0.63
60 CACM-2198	84	0.214	0.667
60 CACM-2046	85	0.224	0.704
60 CACM-2538	86	0.221	0.704
60 CACM-2358	87	0.218	0.704
60 CACM-1518	88	0.216	0.704
60 CACM-2740	89	0.213	0.704
60 CACM-1033	90	0.211	0.704
60 CACM-0696	91	0.209	0.704
60 CACM-2311	92	0.207	0.704
60 CACM-2327	93	0.204	0.704
60 CACM-1938	94	0.202	0.704
60 CACM-2390	95	0.2	0.704
60 CACM-3059	96	0.198	0.704
60 CACM-2768	97	0.196	0.704
60 CACM-2868	98	0.194	0.704
60 CACM-3165	99	0.192	0.704
60 CACM-2167	100	0.19	0.704
61 CACM-0634	1	0	0

61 CACM-2711	2	0.5	0.032
61 CACM-2307	3	0.667	0.065
61 CACM-1927	4	0.75	0.097
61 CACM-1236	5	0.8	0.129
61 CACM-1457	6	0.833	0.161
61 CACM-3134	7	0.857	0.194
61 CACM-2114	8	0.75	0.194
61 CACM-2990	9	0.778	0.226
61 CACM-2140	10	0.7	0.226
61 CACM-2631	11	0.727	0.258
61 CACM-1830	12	0.75	0.29
61 CACM-1935	13	0.692	0.29
61 CACM-2451	14	0.714	0.323
61 CACM-2882	15	0.667	0.323
61 CACM-2160	16	0.688	0.355
61 CACM-1976	17	0.706	0.387
61 CACM-3168	18	0.722	0.419
61 CACM-2288	19	0.684	0.419
61 CACM-2561	20	0.65	0.419
61 CACM-1699	21	0.619	0.419
61 CACM-2278	22	0.591	0.419
61 CACM-2976	23	0.609	0.452
61 CACM-0239	24	0.583	0.452
61 CACM-2991	25	0.56	0.452
61 CACM-2516	26	0.538	0.452
61 CACM-2746	27	0.519	0.452
61 CACM-3012	28	0.536	0.484
61 CACM-1194	29	0.517	0.484
61 CACM-2965	30	0.533	0.516
61 CACM-2947	31	0.516	0.516
61 CACM-0397	32	0.5	0.516
61 CACM-3169	33	0.515	0.548
61 CACM-0891	34	0.5	0.548
61 CACM-2765	35	0.514	0.581
61 CACM-1681	36	0.5	0.581
61 CACM-2070	37	0.486	0.581
61 CACM-2688	38	0.474	0.581
61 CACM-2258	39	0.462	0.581
61 CACM-1032	40	0.475	0.613
61 CACM-0944	41	0.463	0.613
61 CACM-2437	42	0.452	0.613
61 CACM-1831	43	0.442	0.613
61 CACM-2575	44	0.455	0.645
61 CACM-2493	45	0.444	0.645
61 CACM-1700	46	0.435	0.645
61 CACM-1725	47	0.426	0.645
61 CACM-2888	48	0.417	0.645
61 CACM-2916	49	0.408	0.645
61 CACM-2722	50	0.4	0.645

61 CACM-2832	51	0.392	0.645
61 CACM-2412	52	0.385	0.645
61 CACM-2978	53	0.377	0.645
61 CACM-2293	54	0.37	0.645
61 CACM-2519	55	0.364	0.645
61 CACM-3129	56	0.357	0.645
61 CACM-0440	57	0.351	0.645
61 CACM-2203	58	0.345	0.645
61 CACM-0651	59	0.339	0.645
61 CACM-2109	60	0.333	0.645
61 CACM-2781	61	0.328	0.645
61 CACM-2968	62	0.323	0.645
61 CACM-1514	63	0.333	0.677
61 CACM-1359	64	0.328	0.677
61 CACM-2455	65	0.323	0.677
61 CACM-1271	66	0.318	0.677
61 CACM-2033	67	0.313	0.677
61 CACM-1456	68	0.309	0.677
61 CACM-2795	69	0.304	0.677
61 CACM-2846	70	0.3	0.677
61 CACM-0275	71	0.296	0.677
61 CACM-2139	72	0.292	0.677
61 CACM-2974	73	0.288	0.677
61 CACM-2547	74	0.284	0.677
61 CACM-2484	75	0.28	0.677
61 CACM-1652	76	0.276	0.677
61 CACM-2141	77	0.273	0.677
61 CACM-2987	78	0.269	0.677
61 CACM-1680	79	0.266	0.677
61 CACM-2251	80	0.263	0.677
61 CACM-1808	81	0.259	0.677
61 CACM-1937	82	0.256	0.677
61 CACM-2532	83	0.253	0.677
61 CACM-1916	84	0.25	0.677
61 CACM-0292	85	0.247	0.677
61 CACM-1627	86	0.244	0.677
61 CACM-2157	87	0.241	0.677
61 CACM-2032	88	0.239	0.677
61 CACM-3137	89	0.236	0.677
61 CACM-2107	90	0.233	0.677
61 CACM-3041	91	0.231	0.677
61 CACM-2530	92	0.228	0.677
61 CACM-3084	93	0.226	0.677
61 CACM-2623	94	0.223	0.677
61 CACM-2905	95	0.221	0.677
61 CACM-2552	96	0.219	0.677
61 CACM-3087	97	0.216	0.677
61 CACM-1705	98	0.214	0.677
61 CACM-1992	99	0.212	0.677

61 CACM-1936	100	0.21	0.677
62 CACM-3075	1	1	0.125
62 CACM-2685	2	0.5	0.125
62 CACM-1601	3	0.667	0.25
62 CACM-3156	4	0.75	0.375
62 CACM-2266	5	0.6	0.375
62 CACM-1158	6	0.5	0.375
62 CACM-2896	7	0.429	0.375
62 CACM-2342	8	0.375	0.375
62 CACM-2401	9	0.333	0.375
62 CACM-2714	10	0.4	0.5
62 CACM-1795	11	0.364	0.5
62 CACM-2865	12	0.333	0.5
62 CACM-0320	13	0.308	0.5
62 CACM-1563	14	0.286	0.5
62 CACM-1262	15	0.267	0.5
62 CACM-2973	16	0.25	0.5
62 CACM-2785	17	0.235	0.5
62 CACM-1828	18	0.222	0.5
62 CACM-3059	19	0.211	0.5
62 CACM-1368	20	0.2	0.5
62 CACM-1302	21	0.19	0.5
62 CACM-1468	22	0.182	0.5
62 CACM-2895	23	0.174	0.5
62 CACM-3073	24	0.167	0.5
62 CACM-0950	25	0.16	0.5
62 CACM-2712	26	0.154	0.5
62 CACM-1961	27	0.148	0.5
62 CACM-2327	28	0.143	0.5
62 CACM-1603	29	0.138	0.5
62 CACM-2195	30	0.133	0.5
62 CACM-1536	31	0.129	0.5
62 CACM-2851	32	0.125	0.5
62 CACM-2557	33	0.121	0.5
62 CACM-1569	34	0.118	0.5
62 CACM-2289	35	0.143	0.625
62 CACM-1747	36	0.139	0.625
62 CACM-1613	37	0.135	0.625
62 CACM-2958	38	0.132	0.625
62 CACM-1856	39	0.128	0.625
62 CACM-1200	40	0.125	0.625
62 CACM-2433	41	0.122	0.625
62 CACM-2570	42	0.119	0.625
62 CACM-1664	43	0.116	0.625
62 CACM-2700	44	0.114	0.625
62 CACM-2345	45	0.111	0.625
62 CACM-2932	46	0.109	0.625
62 CACM-0558	47	0.106	0.625
62 CACM-2367	48	0.104	0.625

62 CACM-2243	49	0.102	0.625
62 CACM-2580	50	0.1	0.625
62 CACM-2242	51	0.098	0.625
62 CACM-2241	52	0.096	0.625
62 CACM-2648	53	0.094	0.625
62 CACM-1957	54	0.093	0.625
62 CACM-1008	55	0.091	0.625
62 CACM-2838	56	0.089	0.625
62 CACM-1471	57	0.088	0.625
62 CACM-2898	58	0.086	0.625
62 CACM-1911	59	0.085	0.625
62 CACM-0848	60	0.083	0.625
62 CACM-1274	61	0.082	0.625
62 CACM-2538	62	0.081	0.625
62 CACM-2175	63	0.079	0.625
62 CACM-1678	64	0.078	0.625
62 CACM-2336	65	0.077	0.625
62 CACM-3175	66	0.076	0.625
62 CACM-2515	67	0.075	0.625
62 CACM-2740	68	0.074	0.625
62 CACM-1409	69	0.072	0.625
62 CACM-1959	70	0.071	0.625
62 CACM-0141	71	0.07	0.625
62 CACM-3124	72	0.069	0.625
62 CACM-0670	73	0.068	0.625
62 CACM-2852	74	0.068	0.625
62 CACM-0392	75	0.067	0.625
62 CACM-1554	76	0.066	0.625
62 CACM-0671	77	0.065	0.625
62 CACM-2430	78	0.064	0.625
62 CACM-2949	79	0.063	0.625
62 CACM-1325	80	0.062	0.625
62 CACM-1846	81	0.062	0.625
62 CACM-2351	82	0.061	0.625
62 CACM-1543	83	0.06	0.625
62 CACM-2919	84	0.06	0.625
62 CACM-1743	85	0.059	0.625
62 CACM-2727	86	0.058	0.625
62 CACM-2380	87	0.057	0.625
62 CACM-2180	88	0.057	0.625
62 CACM-2182	89	0.056	0.625
62 CACM-2080	90	0.056	0.625
62 CACM-2200	91	0.055	0.625
62 CACM-1935	92	0.054	0.625
62 CACM-1771	93	0.054	0.625
62 CACM-1567	94	0.053	0.625
62 CACM-1885	95	0.053	0.625
62 CACM-2196	96	0.052	0.625
62 CACM-1334	97	0.052	0.625

62 CACM-2134	98	0.051	0.625
62 CACM-1164	99	0.051	0.625
62 CACM-2059	100	0.05	0.625
63 CACM-2973	1	1	0.083
63 CACM-3075	2	1	0.167
63 CACM-2266	3	1	0.25
63 CACM-2289	4	1	0.333
63 CACM-1601	5	1	0.417
63 CACM-2896	6	0.833	0.417
63 CACM-2714	7	0.857	0.5
63 CACM-2557	8	0.875	0.583
63 CACM-1795	9	0.889	0.667
63 CACM-1158	10	0.8	0.667
63 CACM-1468	11	0.727	0.667
63 CACM-2785	12	0.667	0.667
63 CACM-0950	13	0.615	0.667
63 CACM-3156	14	0.643	0.75
63 CACM-3059	15	0.6	0.75
63 CACM-1262	16	0.562	0.75
63 CACM-2570	17	0.529	0.75
63 CACM-2895	18	0.5	0.75
63 CACM-2685	19	0.474	0.75
63 CACM-2838	20	0.45	0.75
63 CACM-2700	21	0.429	0.75
63 CACM-1957	22	0.409	0.75
63 CACM-2342	23	0.391	0.75
63 CACM-2433	24	0.375	0.75
63 CACM-1828	25	0.36	0.75
63 CACM-2401	26	0.346	0.75
63 CACM-2865	27	0.333	0.75
63 CACM-2851	28	0.321	0.75
63 CACM-2692	29	0.31	0.75
63 CACM-1536	30	0.3	0.75
63 CACM-1302	31	0.29	0.75
63 CACM-2114	32	0.281	0.75
63 CACM-1569	33	0.273	0.75
63 CACM-2195	34	0.265	0.75
63 CACM-3073	35	0.257	0.75
63 CACM-3166	36	0.25	0.75
63 CACM-2175	37	0.243	0.75
63 CACM-2884	38	0.237	0.75
63 CACM-2723	39	0.231	0.75
63 CACM-1471	40	0.225	0.75
63 CACM-1411	41	0.22	0.75
63 CACM-2263	42	0.214	0.75
63 CACM-0320	43	0.209	0.75
63 CACM-2080	44	0.205	0.75
63 CACM-2325	45	0.2	0.75
63 CACM-2997	46	0.196	0.75

63 CACM-2880	47	0.191	0.75
63 CACM-2950	48	0.188	0.75
63 CACM-3131	49	0.184	0.75
63 CACM-0141	50	0.18	0.75
63 CACM-2490	51	0.176	0.75
63 CACM-3006	52	0.173	0.75
63 CACM-1554	53	0.17	0.75
63 CACM-0392	54	0.167	0.75
63 CACM-2767	55	0.164	0.75
63 CACM-1658	56	0.161	0.75
63 CACM-1747	57	0.158	0.75
63 CACM-1603	58	0.155	0.75
63 CACM-2819	59	0.153	0.75
63 CACM-2898	60	0.15	0.75
63 CACM-2679	61	0.148	0.75
63 CACM-1846	62	0.145	0.75
63 CACM-3163	63	0.143	0.75
63 CACM-1551	64	0.141	0.75
63 CACM-2832	65	0.138	0.75
63 CACM-2182	66	0.136	0.75
63 CACM-2283	67	0.134	0.75
63 CACM-2135	68	0.132	0.75
63 CACM-2337	69	0.13	0.75
63 CACM-2627	70	0.129	0.75
63 CACM-3165	71	0.127	0.75
63 CACM-1008	72	0.125	0.75
63 CACM-2968	73	0.123	0.75
63 CACM-2855	74	0.122	0.75
63 CACM-3044	75	0.12	0.75
63 CACM-2740	76	0.118	0.75
63 CACM-2276	77	0.117	0.75
63 CACM-1924	78	0.115	0.75
63 CACM-1145	79	0.114	0.75
63 CACM-2863	80	0.113	0.75
63 CACM-2426	81	0.111	0.75
63 CACM-1613	82	0.11	0.75
63 CACM-1959	83	0.108	0.75
63 CACM-0371	84	0.107	0.75
63 CACM-0409	85	0.106	0.75
63 CACM-2630	86	0.105	0.75
63 CACM-2146	87	0.103	0.75
63 CACM-2454	88	0.102	0.75
63 CACM-2273	89	0.101	0.75
63 CACM-2226	90	0.1	0.75
63 CACM-2834	91	0.099	0.75
63 CACM-2828	92	0.098	0.75
63 CACM-1200	93	0.097	0.75
63 CACM-2932	94	0.096	0.75
63 CACM-2727	95	0.095	0.75

63 CACM-1171	96	0.094	0.75
63 CACM-1543	97	0.093	0.75
63 CACM-1664	98	0.092	0.75
63 CACM-2030	99	0.091	0.75
63 CACM-2200	100	0.09	0.75
64 CACM-2651	1	1	1
64 CACM-1614	2	0.5	1
64 CACM-0595	3	0.333	1
64 CACM-1051	4	0.25	1
64 CACM-2452	5	0.2	1
64 CACM-0944	6	0.167	1
64 CACM-2060	7	0.143	1
64 CACM-1878	8	0.125	1
64 CACM-1389	9	0.111	1
64 CACM-2484	10	0.1	1
64 CACM-0855	11	0.091	1
64 CACM-2999	12	0.083	1
64 CACM-0409	13	0.077	1
64 CACM-1588	14	0.071	1
64 CACM-1195	15	0.067	1
64 CACM-0849	16	0.062	1
64 CACM-2406	17	0.059	1
64 CACM-2966	18	0.056	1
64 CACM-2051	19	0.053	1
64 CACM-1853	20	0.05	1
64 CACM-3031	21	0.048	1
64 CACM-2184	22	0.045	1
64 CACM-2622	23	0.043	1
64 CACM-1710	24	0.042	1
64 CACM-3142	25	0.04	1
64 CACM-2765	26	0.038	1
64 CACM-1957	27	0.037	1
64 CACM-1412	28	0.036	1
64 CACM-2688	29	0.034	1
64 CACM-3069	30	0.033	1
64 CACM-1753	31	0.032	1
64 CACM-1307	32	0.031	1
64 CACM-3134	33	0.03	1
64 CACM-2390	34	0.029	1
64 CACM-1828	35	0.029	1
64 CACM-2969	36	0.028	1
64 CACM-1830	37	0.027	1
64 CACM-2002	38	0.026	1
64 CACM-1677	39	0.026	1
64 CACM-2723	40	0.025	1
64 CACM-2470	41	0.024	1
64 CACM-3105	42	0.024	1
64 CACM-1424	43	0.023	1
64 CACM-2299	44	0.023	1

64 CACM-2958	45	0.022	1
64 CACM-2729	46	0.022	1
64 CACM-2646	47	0.021	1
64 CACM-1226	48	0.021	1
64 CACM-2229	49	0.02	1
64 CACM-0942	50	0.02	1
64 CACM-0675	51	0.02	1
64 CACM-2882	52	0.019	1
64 CACM-3002	53	0.019	1
64 CACM-0696	54	0.019	1
64 CACM-1515	55	0.018	1
64 CACM-1433	56	0.018	1
64 CACM-2993	57	0.018	1
64 CACM-2819	58	0.017	1
64 CACM-1489	59	0.017	1
64 CACM-2513	60	0.017	1
64 CACM-3074	61	0.016	1
64 CACM-2667	62	0.016	1
64 CACM-0497	63	0.016	1
64 CACM-2314	64	0.016	1
64 CACM-1255	65	0.015	1
64 CACM-1902	66	0.015	1
64 CACM-1430	67	0.015	1
64 CACM-2888	68	0.015	1
64 CACM-1046	69	0.014	1
64 CACM-0084	70	0.014	1
64 CACM-1180	71	0.014	1
64 CACM-3144	72	0.014	1
64 CACM-1976	73	0.014	1
64 CACM-2065	74	0.014	1
64 CACM-2971	75	0.013	1
64 CACM-2762	76	0.013	1
64 CACM-2358	77	0.013	1
64 CACM-0597	78	0.013	1
64 CACM-0593	79	0.013	1
64 CACM-2939	80	0.013	1
64 CACM-2877	81	0.012	1
64 CACM-2018	82	0.012	1
64 CACM-1637	83	0.012	1
64 CACM-1495	84	0.012	1
64 CACM-0851	85	0.012	1
64 CACM-1470	86	0.012	1
64 CACM-1717	87	0.011	1
64 CACM-2317	88	0.011	1
64 CACM-1780	89	0.011	1
64 CACM-1485	90	0.011	1
64 CACM-1012	91	0.011	1
64 CACM-1973	92	0.011	1
64 CACM-2046	93	0.011	1

64 CACM-3177	94	0.011	1
64 CACM-1264	95	0.011	1
64 CACM-2493	96	0.01	1
64 CACM-2623	97	0.01	1
64 CACM-2817	98	0.01	1
64 CACM-1431	99	0.01	1
64 CACM-0858	100	0.01	1