RESULTS

Test	Input sizes		Exact method		Heuristics				
	n_packs	n_bins	f	t(s)	f_min	f_max	f_avg	std_dev	t_avg(s)
0007.txt	7	3	250	0.131818596	300	300	300	0	0.000114000
0010.txt	10	3	58	0.019581373	58	58	58	0	0.000108500
0011.txt	11	3	218	0.036996665	218	218	218	0	0.000121500
0012.txt	12	4	215	0.041839527	236	236	236	0	0.000109000
0013.txt	13	4	168	0.093308560	168	168	168	0	0.000135500
0014.txt	14	4	116	0.059277216	116	116	116	0	0.000107500
0015.txt	15	5	110	0.654513199	110	110	110	0	0.000122500
0016.txt	16	5	128	4.180232029	128	128	128	0	0.000113500
0017.txt	17	5	132	14.49089818	165	165	165	0	0.000167000
0018.txt	18	6	161	29.88529715	161	161	161	0	0.000132500
0019.txt	19	6	145	1.156264288	219	219	219	0	0.000132500
0020.txt	20	6	112	0.455838579	112	112	112	0	0.000119000
0021.txt	21	7	184	300.0087365	186	186	186	0	0.000139000
0022.txt	22	7	182	5.659069597	186	186	186	0	0.000159500
0023.txt	23	7	151	3.483586844	151	151	151	0	0.000191500
0024.txt	24	8	128	100.8529232	136	136	136	0	0.000160000
0025.txt	25	8	205	300.0095765	227	227	227	0	0.000175500
0026.txt	26	8	169	300.0107271	169	169	169	0	0.000172000
0027.txt	27	9	202	300.0130594	206	206	206	0	0.000174500
0028.txt	28	9	169	300.0091605	197	197	197	0	0.000174000
0029.txt	29	9	263	300.0172665	275	275	275	0	0.000179000
0030.txt	30	10	279	300.0151243	294	294	294	0	0.000196500
0031.txt	31	10	289	300.0158158	371	371	371	0	0.000218000
0032.txt	32	10	231	300.0136064	231	231	231	0	0.000202500
0033.txt	33	11	294	300.0138715	295	295	295	0	0.000193000
0034.txt	34	11	292	300.0273317	292	292	292	0	0.000218500
0035.txt	35	11	335	300.0201201	371	371	371	0	0.000202500
0036.txt	36	12	261	300.0169782	269	269	269	0	0.000199000
0037.txt	37	12	264	300.0167706	329	329	329	0	0.000227000
0038.txt	38	12	263	300.0156145	295	295	295	0	0.000215500
0039.txt	39	13	268	300.0178550	280	280	280	0	0.000229000
0040.txt	40	13	262	300.0172051	265	265	265	0	0.000247000
0041.txt	41	13	300	300.0230778	313	313	313	0	0.000260500
0042.txt	42	14	290	300.0187789	328	328	328	0	0.000236500
0043.txt	43	14	327	300.0191029	336	336	336	0	0.000261000
0044.txt	44	14	413	300.0215802	440	440	440	0	0.000234500
0045.txt	45	15	273	300.0194602	281	281	281	0	0.000329000
0046.txt	46	15	305	300.0206662	321	321	321	0	0.000278500
0047.txt	47	15	437	300.0238271	459	459	459	0	0.000289500
0048.txt	48	16	300	300.0179626	356	356	356	0	0.000302500
0049.txt	49	16	349	300.0183736	365	365	365	0	0.000291500
0050.txt	50	16	485	300.0182021	552	552	552	0	0.000299000
0051.txt	51	17	382	300.0210375	392	392	392	0	0.000310500
0052.txt	52	17	314	300.0199974	325	325	325	0	0.000282500
0053.txt	53	17	434	300.0202779	495	495	495	0	0.000329500

Test	Input sizes		Exact method		Heuristics				
	n_packs	n_bins	f	t(s)	f_min	f_max	f_avg	std_dev	t_avg(s)
0054.txt	54	18	455	300.0226505	476	476	476	0	0.000330500
0090.txt	90	30	639	300.0682186	645	645	645	0	0.000558000
0120.txt	120	40	903	300.1254618	889	889	889	0	0.000906500
0150.txt	150	50	992	300.2018039	928	928	928	0	0.001234500
0180.txt	180	60	1424	300.2746363	1328	1328	1328	0	0.001776000
0210.txt	210	70	1588	300.4242353	1424	1424	1424	0	0.002190000
0240.txt	240	80	2595	300.5349846	1648	1648	1648	0	0.002716500
0270.txt	270	90	3553	302.1536645	1841	1841	1841	0	0.003282500
0300.txt	300	100	2605	300.9626808	1965	1965	1965	0	0.003995500
0330.txt	330	110	5007	301.8207440	2268	2268	2268	0	0.004420000
0350.txt	350	116	3490	301.3750119	2604	2604	2604	0	0.005191000
0550.txt	550	183	N/A	N/A	3769	3769	3769	0	0.011863000
0600.txt	600	200	N/A	N/A	3888	3888	3888	0	0.014032500
0650.txt	650	216	N/A	N/A	4411	4411	4411	0	0.016109500
0700.txt	700	233	N/A	N/A	4847	4847	4847	0	0.019538000
0750.txt	750	250	N/A	N/A	4810	4810	4810	0	0.020743000
0800.txt	800	266	N/A	N/A	5394	5394	5394	0	0.024186000
0850.txt	850	283	N/A	N/A	5874	5874	5874	0	0.027500500
0900.txt	900	300	N/A	N/A	6618	6618	6618	0	0.030383999
0950.txt	950	316	N/A	N/A	6147	6147	6147	0	0.032921501
1000.txt	1000	333	N/A	N/A	6704	6704	6704	0	0.036392000
10000.txt	10000	3333	N/A	N/A	68273	68273	68273	0	3.113627434
2000.txt	2000	666	N/A	N/A	13562	13562	13562	0	0.131733999
3000.txt	3000	1000	N/A	N/A	19788	19788	19788	0	0.291052997
4000.txt	4000	1333	N/A	N/A	27218	27218	27218	0	0.512901992
5000.txt	5000	1666	N/A	N/A	34297	34297	34297	0	0.787822008
6000.txt	6000	2000	N/A	N/A	39186	39186	39186	0	1.124900043
7000.txt	7000	2333	N/A	N/A	47710	47710	47710	0	1.551933467
8000.txt	8000	2666	N/A	N/A	54066	54066	54066	0	2.007271469
9000.txt	9000	3000	N/A	N/A	62510	62510	62510	0	2.552224994