RESULTS

F: Feasible Solution
N/A: No Solution Found

Test	Input sizes		Exact methods CD 1						Heuristics					
		h:a	e	CP 1	CP 2		e	MIP	£:	£	f area		4 0717(5)	
	n_packs	n_bins 3	250	t(s) 0.027932056	250	t(s) 0.029741828	f 250	t (s) 3.176666667	f_min 300	f_max 300	f_avg 300	std_dev 0	t_avg(s) 0.000063000	
0007.txt	10	10	51	0.049313393	51	0.029741828	51	2.642000000	51	51	51	0	0.000119500	
0010.txt	11	11	79	0.053943779	79	0.194204638	79	14.00300000	79	79	79	0	0.000119300	
0011.txt	12	12	54	0.057868931	54	0.088900393	54	7.898000000	54	54	54	0	0.000111300	
0012.txt	13	13	103	0.109191075	103	0.248680102	F	F	145	145	145	0	0.000123300	
0013.txt	14	14	50	0.218952388	50	0.156991295	50	27.73466667	55	55	55	0	0.000121000	
0015.txt	15	15	106	0.513134012	106	0.859766784	F	F	106	106	106	0	0.000147500	
0016.txt	16	16	113	0.905138111	113	0.434518921	F	F	130	130	130	0	0.000178500	
0017.txt	17	17	105	190.2477704	105	48.88790709	F	F	105	105	105	0	0.000175500	
0018.txt	18	18	F	F	F	F	F	F	121	121	121	0	0.000196500	
0019.txt	19	19	106	5.214479066	106	4.515408114	F	F	129	129	129	0	0.000239000	
0020.txt	20	20	171	2.519827466	171	3.259184459	F	F	188	188	188	0	0.000226000	
0021.txt	21	21	108	8.500796449	108	13.22533175	F	F	120	120	120	0	0.000229500	
0022.txt	22	22	F	F	F	F	F	F	171	171	171	0	0.000231000	
0023.txt	23	23	F	F	F	F	F	F	147	147	147	0	0.000271500	
0024.txt	24	24	F	F	F	F	F	F	181	181	181	0	0.000304000	
0025.txt	25	25	F	F	F	F	F	F	237	237	237	0	0.000317000	
0026.txt	26	26	F	F	F	F	F	F	161	161	161	0	0.000298500	
0027.txt	27	27	F	F	F	F	N/A	N/A	180	180	180	0	0.000289500	
0028.txt	28	28	F	F	F	F	F	F	158	158	158	0	0.000341000	
0029.txt	29	29	F	F	F	F	F	F	186	186	186	0	0.000317500	
0030.txt	30	30	F	F	F	F	F	F	182	182	182	0	0.000365500	
0031.txt	31	31	F	F	F	F	F	F	215	215	215	0	0.000432000	
0032.txt	32	32	F	F	F	F	F	F	187	187	187	0	0.000426500	
0033.txt	33	33	F F	F	F	F	F	F	178	178	178	0	0.000379000	
0034.txt 0035.txt	34 35	34 35	F	F F	F F	F F	F F	F F	182 237	182 237	182 237	0	0.000407500 0.000473500	
0035.txt	36	36	<u>г</u> F	F	<u>г</u> F	F	F	F	345	345	345	0	0.000473300	
0030.txt	37	37	F	F	F	F	F	F	163	163	163	0	0.000454300	
0037.txt	38	38	F	F	F	F	F	F	260	260	260	0	0.00045000	
0030.txt	39	39	F	F	F	F	F	F	229	229	229	0	0.000465000	
0040.txt	40	40	F	F	F	F	F	F	236	236	236	0	0.000511000	
0041.txt	41	41	F	F	F	F	F	F	251	251	251	0	0.000538000	
0042.txt	42	42	F	F	F	F	F	F	412	412	412	0	0.000596500	
0043.txt	43	43	F	F	F	F	F	F	243	243	243	0	0.000567500	
0044.txt	44	44	F	F	F	F	F	F	356	356	356	0	0.000567000	
0045.txt	45	45	F	F	F	F	N/A	N/A	239	239	239	0	0.000601500	
0046.txt	46	46	F	F	F	F	N/A	N/A	301	301	301	0	0.000594500	
0047.txt	47	47	F	F	F	F	F	F	284	284	284	0	0.000668500	
0048.txt	48	48	F	F	F	F	N/A	N/A	287	287	287	0	0.000630000	
0049.txt	49	49	F	F	F	F	N/A	N/A	275	275	275	0	0.000694000	
0050.txt	50	50	F	F	F	F	N/A	N/A	314	314	314	0	0.000679500	
0051.txt	51	51	F	F	F	F	N/A	N/A	291	291	291	0	0.000702000	
0052.txt	52	52	<u>F</u>	F	<u>F</u>	F	N/A	N/A	358	358	358	0	0.000841000	
0053.txt	53	53	<u>F</u>	F	<u>F</u>	F	N/A	N/A	404	404	404	0	0.000728500	
0054.txt	54	54	F	F	F	F	N/A	N/A	278	278	278	0	0.000768000	
0090.txt	90	90	F	F	F	F	N/A	N/A	591	591	591 701	0	0.001591500	
0120.txt	120	120	F F	F F	F F	F F	N/A	N/A	701	701	701	0	0.002528000	
0150.txt	150	150	F		F	F	N/A	N/A	770	770	770	0	0.003221000	
0180.txt 0210.txt	180 210	180 210	F	F F	F	F	N/A N/A	N/A N/A	965 1098	965 1098	965 1098	0	0.004655500	
0210.txt 0240.txt	240	240	F	F	<u>- г</u> - F	F	N/A N/A	N/A N/A	1161	1161	1161	0	0.003970000	
0240.txt	270	270	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	1243	1243	1243	0	0.007081500	
0270.txt	300	300	N/A	N/A N/A	N/A	N/A N/A	N/A	N/A N/A	1817	1817	1817	0	0.008418300	
0300.txt	330	330	N/A	N/A	N/A	N/A N/A	N/A	N/A N/A	1942	1942	1942	0	0.010339000	
0350.txt	360	360	N/A	N/A	N/A	N/A	N/A	N/A	2052	2052	2052	0	0.012312300	
0550.txt	550	550	N/A	N/A	N/A	N/A	N/A	N/A	2841	2841	2841	0	0.014083000	
0600.txt	600	600	N/A	N/A	N/A	N/A	N/A	N/A	3633	3633	3633	0	0.028100000	
0650.txt	650	650	N/A	N/A	N/A	N/A	N/A	N/A	3775	3775	3775	0	0.039241500	
0700.txt	700	700	N/A	N/A	N/A	N/A	N/A	N/A	3835	3835	3835	0	0.046878500	
0750.txt	750	750	N/A	N/A	N/A	N/A	N/A	N/A	4017	4017	4017	0	0.049647501	

Test	Input sizes				et methods	- Heuristics							
			CP 1		CP 2							MIP	
	n_packs	n_bins	f	t(s)	f	t(s)	f	t(s)	f_min	f_max	f_avg	std_dev	t_avg(s)
0850.txt	850	850	N/A	N/A	N/A	N/A	N/A	N/A	4503	4503	4503	0	0.060443999
0900.txt	900	900	N/A	N/A	N/A	N/A	N/A	N/A	4625	4625	4625	0	0.071190499
0950.txt	950	950	N/A	N/A	N/A	N/A	N/A	N/A	5308	5308	5308	0	0.085543001
1000.txt	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A	53952	53952	53952	0	5.323014975
10000.txt	1000	1000	N/A	N/A	N/A	N/A	N/A	N/A	5579	5579	5579	0	0.067706000
2000.txt	2000	2000	N/A	N/A	N/A	N/A	N/A	N/A	11217	11217	11217	0	0.238945499
3000.txt	3000	3000	N/A	N/A	N/A	N/A	N/A	N/A	16019	16019	16019	0	0.502542987
4000.txt	4000	4000	N/A	N/A	N/A	N/A	N/A	N/A	21701	21701	21701	0	0.868784487
5000.txt	5000	5000	N/A	N/A	N/A	N/A	N/A	N/A	27568	27568	27568	0	1.374900043
6000.txt	6000	6000	N/A	N/A	N/A	N/A	N/A	N/A	32746	32746	32746	0	1.936044991
7000.txt	7000	7000	N/A	N/A	N/A	N/A	N/A	N/A	38368	38368	38368	0	2.655996561
8000.txt	8000	8000	N/A	N/A	N/A	N/A	N/A	N/A	43364	43364	43364	0	3.431673050
9000.txt	9000	9000	N/A	N/A	N/A	N/A	N/A	N/A	49632	49632	49632	0	4.845009327