

## 1. CPLEX vs TSGA

Instance	CPLEX Time (s)	TSGA Time (s)	Profit Ratio (TSGA/CPLEX)	Tabu List Size	# of TSGA iterations
1	550.8	28.78	1	1149	1297
2	114.23	13.37	1	253	520
3	750.28	18.53	1	939	1050
4	853.11	32.65	0.92	2235	2235
5	155.25	13.98	1	196	400
6	619.87	13.83	1	1005	1009
7	17.08	0.04	1	4	5
8	390.67	9.05	1	134	280
9	1579.55	23.39	0.95	909	1000
10	545.5	24.52	0.9	1026	1026
11	3371.14	47.04	0.95	913	1140
12	85.76	7.95	1	131	326
13	22.65	5.92	1	102	208
14	784.56	24.43	0.98	1105	1118
15	18.04	0	1	2	0
16	148.39	15.66	1	223	474
17	660.05	13.89	0.88	1028	1028
18	60.63	0	1	0	0
19	73.62	7.51	1	131	308
20	355.97	16.1	1	942	1005
21	390.93	40.04	0.97	1945	1945
22	695.21	20.7	0.98	1667	1667
23	962.33	10.54	1	303	482
24	624.14	39.11	1	708	1025
25	618.19	0.52	1	56	69
26	139.06	0	1	0	0
27	108.02	0.03	1	4	5
28	961.54	9.15	1	166	336
29	415.51	30.63	1	1329	1487
30	717.31	13.99	1	166	380
31	767.27	11.25	0.93	1041	1041
32	211.7	14.42	1	233	506
33	801.52	3.75	1	111	191
34	55.94	12.31	1	196	432
35	28.7	14.37	1	196	498
36	1325.6	10.89	0.93	1013	1013
37	15.34	0	1	0	0
38	2269.11	12.24	0.98	1074	1074
39	718.44	6.3	1	127	264
40	386.99	20.04	0.94	1262	1262
41	980.94	40.27	1	794	1015

42	813.76	9.89	1	196	450
43	26.87	0.09	1	18	25
44	415.13	13.22	1	190	415
45	1192.94	14.64	0.92	1149	1149
46	82.11	11.92	0.97	1296	1296
47	276.97	21.96	1	1001	1001
48	18.74	0.04	1	3	2
49	182.48	12.84	0.96	1098	1098
50	472.42	11.46	1	135	380
51	15.89	0.01	1	0	0
52	24.05	3.84	1	70	177
53	489.75	22.75	0.97	925	1147
54	20.33	0	1	0	0
55	881.65	13.77	0.81	1061	1061
56	372.74	14.61	0.98	1539	1539
57	80.99	36.76	1	873	1018
58	1008.33	15.77	0.94	1004	1004
59	370.96	11.65	0.94	1039	1039
60	215.42	26.3	1	1771	1771
61	244.45	36.69	1	778	1308
62	116.5	0	1	0	0
63	597.97	13.55	0.86	1067	1067
64	649.27	19.11	1	980	1058
65	1056.25	68.52	0.88	680	1004
66	773.71	11.1	1	166	338
67	621.97	19.94	1	1001	1001
68	371.97	20.13	1	253	530
69	1048.96	47.52	0.85	1012	1012
70	15.96	0.01	1	2	0
71	213.84	0	1	0	0
72	2353.42	16.92	1	1161	1161
73	462.34	25.94	1	887	1113
74	276.26	16.1	1	243	515
75	311.3	27.27	0.96	2187	2188
76	157.89	30.72	0.94	1269	1274
77	259.41	10.18	1	216	467
78	534.28	20.54	1	893	1000
79	19.6	0.01	1	0	0
80	2099.21	39.14	0.94	1944	1995
81	24.03	0	1	0	0
82	26.57	0.11	1	16	24
83	22.46	10.06	1	135	272
84	134.13	14.1	1	1000	1000
85	5817.11	11.87	0.98	1046	1046
86	16.28	0	1	0	0

87	21.53	17.61	1	249	514
88	mem-out	15.71	NA	1355	1355
89	16.6	0	1	0	0
90	273.22	8.53	1	196	432
91	16.11	0	1	0	0
92	372.52	55.28	1	1309	1382
93	69.53	0	1	0	0
94	324.54	28.32	0.98	2551	2551
95	686.06	21.55	1	906	1012
96	1166.53	6.98	1	103	210
97	74.21	0.2	1	7	14
98	46.11	7.52	1	161	345
99	94.33	29.43	1	923	1020
100	17.52	0	1	0	0

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