

Some results

Éric Grégoire and Jean-Marie Lagniez

Université d'Artois & CNRS
F-62307 Lens France
{gregoire,lagniez}@cril.fr

CNF information			Queries information			Naive approach				Partial-MaxSAT approach									
Name	#var	#cont	k=5	k=7	k=10	#MSS _C	Time	#MSS _C	Time	k=10	#MSS _C	Time	Opt. Time	k=5	Opt. Time	k=7	Opt. Time	k=10	
blocks-right-3-p-t2	333	1775	5.00	7.00	10.00	420590.00	TO	333095.67	TO	395598.00	TO	395598.00	TO	5.67	0.98	6.67	0.66	10.33	0.73
bomb-b10-t5-p-t2	1140	2185	4.00	5.67	8.67	10.67	0.56	226.67	0.56	46.00	0.38	46.00	0.38	1.67	0.62	2.00	0.20	1.33	0.32
bomb-b5-t5-p-t2	560	1055	4.00	6.00	9.00	12.00	0.53	27.67	0.56	72.67	0.64	72.67	0.64	2.00	0.36	2.00	0.22	4.00	0.68
uts-k2-p-t5	530	1903	5.00	4.67	9.67	297.33	0.62	102.67	0.65	143082.67	TO	143082.67	TO	4.00	0.47	3.67	0.46	5.67	0.46
sort-num-s-6-p-t3	1269	5246	5.00	6.00	9.67	163360.67	TO	192747.33	TO	138618.33	TO	138618.33	TO	2.67	0.58	3.67	0.73	6.33	0.88
coins-p02-p-t2	368	951	3.67	5.67	9.00	28.33	0.39	220.67	0.42	6650.00	2.83	6650.00	2.83	1.00	0.58	2.33	0.71	3.67	0.34
sort-num-s-5-p-t3	670	2649	3.00	5.33	9.00	284804.33	TO	298734.67	TO	153011.00	TO	153011.00	TO	1.67	0.64	3.00	0.37	5.67	0.54
ring2-r6-p-t1	76	215	3.33	5.67	10.00	73.33	0.41	2377.67	0.70	30793.00	9.52	30793.00	9.52	2.67	0.58	4.67	0.45	8.00	0.37
sort-num-s-4-p-t4	392	1451	4.33	7.00	10.00	348486.00	TO	255861.67	TO	327948.33	TO	327948.33	TO	2.33	0.78	3.33	0.27	6.00	0.45
sort-num-s-7-p-t3	2149	9162	3.67	5.67	10.00	76748.00	TO	61764.67	TO	158771.67	TO	158771.67	TO	2.33	0.67	3.33	0.82	4.00	1.17
coins-p10-p-t3	1224	2995	4.00	6.00	9.67	17.33	0.47	97.33	0.67	5118.00	4.88	5118.00	4.88	1.33	0.57	2.00	0.85	2.00	0.27
safe-safe-5-p-t3	54	108	3.67	6.00	9.33	51.67	0.38	199.00	0.72	1151.00	0.47	1151.00	0.47	1.67	0.59	3.00	0.50	6.00	0.59
comm-p02-p-t1	315	819	4.00	6.00	8.67	54.67	0.55	1550.67	0.92	49.67	0.51	49.67	0.51	1.67	0.58	1.33	0.59	2.33	0.59
ring-5-p-t4	336	860	3.00	4.67	9.00	10095.33	4.99	250705.00	TO	503457.00	TO	503457.00	TO	1.33	0.56	2.00	0.40	3.00	0.35
bomb-b5-t1-p-t2	240	443	4.33	5.00	8.00	22.67	0.25	34.33	0.51	74.67	0.46	74.67	0.46	2.00	0.67	1.67	0.16	3.33	0.59
emptyroom-d28-g14-corners-p-t1	332	984	3.00	6.00	10.00	60.00	0.53	360.00	0.59	2438.67	1.39	2438.67	1.39	2.00	0.28	2.33	0.70	4.00	0.26
comm-p04-p-t1	625	1817	3.00	5.33	8.67	20.00	0.49	32.00	0.53	66.00	0.39	66.00	0.39	1.00	0.87	1.33	0.56	2.33	0.67
blocks-right-4-p-t5	1334	8347	4.67	7.00	10.00	135242.33	TO	133656.67	TO	123820.33	TO	123820.33	TO	4.00	4.55	6.00	19.36	?	TO
ring2-r6-p-t3	192	589	3.33	6.67	9.67	4466.67	1.76	551266.00	TO	601261.00	TO	601261.00	TO	1.33	0.53	3.67	0.83	6.67	0.49
bomb-b10-t5-p-t5	2760	5425	4.00	6.00	8.33	32.67	0.54	70.67	0.40	79.67	0.56	79.67	0.56	2.00	0.52	3.67	0.67	2.00	0.93
uts-k2-p-t2	227	775	3.33	6.67	9.33	104.67	0.40	1747.33	1.14	101163.00	174.91	101163.00	174.91	2.00	0.76	4.67	0.66	6.33	0.43
uts-k3-p-t4	893	3576	3.67	6.33	9.00	1913.33	2.75	3329.33	4.22	12561.00	31.61	12561.00	31.61	3.33	0.53	4.33	0.69	4.00	0.47
comm-p03-p-t3	1166	3763	4.33	5.33	8.33	16.67	0.60	50.67	0.33	53.00	0.56	53.00	0.56	2.00	0.23	2.33	0.36	1.67	0.50
sort-num-s-4-p-t5	486	1810	3.33	5.67	9.67	25.67	0.40	301379.00	TO	308745.67	TO	308745.67	TO	1.67	0.51	3.67	0.75	5.00	0.85
sort-num-s-7-p-t1	749	3086	4.67	7.00	9.67	75219.00	TO	118809.67	TO	131371.33	TO	131371.33	TO	2.67	0.99	5.00	0.56	6.33	1.13
comm-p10-p-t3	5555	22691	3.33	5.00	8.00	26.00	0.48	48.67	0.88	58.67	0.81	58.67	0.81	1.67	0.99	1.00	1.01	1.33	1.32
blocks-right-2-p-t4	327	1527	4.67	5.33	10.00	432459.33	TO	?	?	?	?	?	?	4.33	0.59	5.00	0.82	10.00	2.11
sort-num-s-3-p-t3	99	302	4.33	4.33	10.00	24372.00	13.01	51359.67	31.44	560947.00	TO	560947.00	TO	2.33	0.57	3.67	0.36	7.00	0.66
emptyroom-d8-g4-p-t1	92	262	4.00	5.67	10.00	87.67	0.40	1663.33	0.97	11795.00	2.56	11795.00	2.56	3.67	0.68	4.33	0.27	7.00	0.31
safe-safe-10-p-t5	166	357	3.67	5.33	10.00	151.33	0.57	220.00	0.63	5339.33	1.25	5339.33	1.25	2.00	0.56	2.00	0.44	4.67	0.49
sort-num-s-3-p-t2	69	204	4.00	6.00	9.67	1148.33	0.58	12714.33	3.97	122025.00	TO	122025.00	TO	2.33	0.24	4.67	0.59	8.67	0.26
sort-num-s-5-p-t5	1100	4399	3.67	7.00	9.33	39501.67	TO	190959.67	TO	232968.33	TO	232968.33	TO	1.33	0.52	3.67	0.81	5.33	1.32
uts-k3-p-t5	1104	4457	4.00	6.00	8.67	18.67	0.39	1278.33	2.25	1125.67	6.36	1125.67	6.36	2.00	0.45	3.33	0.80	6.00	0.79
comm-p02-p-t3	795	2427	3.33	5.33	8.67	248.67	0.92	109.67	0.47	362.67	0.74	362.67	0.74	1.33	0.70	2.67	0.68	2.33	0.48
uts-k2-p-t4	429	1527	4.33	6.00	9.67	5670.67	6.11	429.33	0.57	138945.33	TO	138945.33	TO	4.33	0.47	4.00	0.57	5.67	0.36
comm-p05-p-t1	816	2475	3.67	5.33	8.33	36.00	0.84	169.67	0.60	98.67	0.56	98.67	0.56	1.00	0.48	2.00	0.42	2.33	0.73
blocks-right-4-p-t2	551	3433	5.00	7.00	10.00	336839.67	TO	291376.00	TO	263982.33	TO	263982.33	TO	7.33	0.86	9.67	1.11	11.67	2.08
ring-4-p-t3	212	522	3.33	5.67	9.67	844.33	0.76	7403.67	2.44	226640.33	TO	226640.33	TO	1.33	0.48	3.00	0.18	3.33	0.82
emptyroom-d8-g4-p-t5	396	1294	3.67	5.67	8.67	123325.00	TO	116322.00	154.85	529563.33	TO	529563.33	TO	1.67	0.70	2.00	0.31	2.67	0.75
bomb-b10-t10-p-t3	2840	5550	3.33	5.00	8.67	12.67	0.50	26.67	0.56	90.00	0.81	90.00	0.81	1.00	0.70	1.00	0.44	2.00	0.86
blocks-right-4-p-t4	1073	6709	4.67	7.00	9.67	140073.00	TO	208956.67	TO	177212.67	TO	177212.67	TO	4.33	40.77	7.33	73.89	8.00	9.78
bomb-b20-t5-p-t2	2900	5645	4.00	5.33	9.00	9.33	0.52	21.33	0.76	20.00	0.70	20.00	0.70	1.33	0.52	1.33	0.31	1.33	0.32
safe-safe-10-p-t1	42	109	3.33	6.33	8.00	18.33	0.65	157.00	0.21	77.33	0.64	77.33	0.64	2.33	0.51	3.67	0.41	4.00	0.27
emptyroom-d16-g8-p-t4	656	2428	5.00	6.67	9.67	330307.33	TO	364458.67	TO	274653.33	TO	274653.33	TO	3.67	0.68	4.00	0.69	6.00	1.11
uts-k1-p-t1	40	105	4.33	6.67	9.67	124.33	0.35	362.33	0.47	799.67	0.51	799.67	0.51	3.00	0.79	5.00	0.71	5.67	0.45
blocks-right-6-p-t2	1149	12299	4.67	6.33	10.00	126106.67	TO	113274.00	TO	98868.33	TO	98868.33	TO	4.67	4.17	7.33	4.38	14.33	57.61
comm-p01-p-t1	196	467	3.33	6.67	8.00	33.67	0.49	171.67	0.75	94.67	0.52	94.67	0.52	1.00	0.62	2.67	0.57	2.67	0.40

emptyroom-d12-g6-p-t3	372	1342	4.67	7.00	10.00	457510.67	TO	394377.00	TO	432237.33	TO	4.33	0.67	6.33	0.24	7.67	0.84
	110	374	4.00	6.67	10.00	1387.33	1.16	105755.33	TO	122513.00	TO	3.67	0.43	6.00	0.23	7.67	0.68
	872	2355	4.00	6.00	9.33	56.67	0.52	57.67	0.72	1636.67	1.62	1.33	0.41	3.00	0.83	1.67	0.64
emptyroom-d4-g2-p-t5	188	586	4.00	6.33	10.00	236230.00	330.20	403095.33	TO	351269.00	TO	2.33	0.54	5.33	0.57	5.67	0.64
	486	1347	3.33	6.00	10.00	70.67	0.44	714.00	1.01	2591.33	1.68	1.67	0.60	2.67	0.65	4.33	0.35
	600	1105	4.00	6.00	9.00	8.00	0.68	14.67	0.78	151.00	0.72	1.00	0.49	2.33	0.47	2.33	0.47
bomb-b10-t5-p-t1	460	1027	3.67	5.33	8.67	31.33	0.70	62.33	0.66	103.33	0.51	1.33	0.31	2.33	0.23	2.67	0.61
	471	1814	4.67	5.67	10.00	157.00	0.55	1830.67	1.72	215378.33	TO	2.67	0.29	5.67	0.56	6.33	0.48
	304	983	3.67	5.67	10.00	393.33	0.89	512.67	0.68	10207.67	3.81	2.33	0.75	3.00	0.32	6.00	0.44
emptyroom-d8-g4-p-t2	168	520	3.67	5.33	9.67	1145.33	0.91	377.00	0.33	149693.67	TO	2.67	0.34	3.67	0.66	5.33	0.46
	564	1091	3.33	5.67	8.67	15.67	0.54	38.33	0.54	98.00	0.74	1.00	0.31	2.33	0.39	1.67	0.64
	368	951	4.00	6.33	9.00	25.67	0.67	1698.33	0.96	209.33	0.83	1.33	0.13	2.67	0.53	4.00	0.36
bomb-b20-t5-p-t5	7100	14045	4.00	5.67	8.33	18.67	0.69	30.00	0.50	38.00	0.71	1.67	0.59	1.67	0.83	1.00	0.90
	490	2632	4.00	6.33	9.33	344785.00	TO	360318.67	TO	303747.67	TO	2.00	0.36	7.00	0.45	8.33	1.52
	24816	11532	4.00	6.00	9.00	20.00	0.38	20.00	0.77	24.00	1.06	1.00	0.71	1.00	1.40	1.00	1.47
blocks-right-6-p-t1	672	2913	3.67	6.33	9.67	28.33	0.47	148.00	0.67	113199.67	TO	3.33	0.39	3.67	0.22	6.67	0.83
	602	7743	4.33	6.00	10.00	131221.00	TO	148538.00	TO	145314.67	TO	5.67	0.87	9.33	0.85	16.00	1.62
	152	357	3.67	5.33	8.67	2304.00	0.90	683.67	0.56	182720.67	154.90	1.67	0.58	2.00	0.66	5.00	0.29
coins-p03-p-t5	872	2355	4.33	6.00	9.00	39.00	0.55	59.00	0.80	95.67	0.40	1.33	0.53	1.33	0.61	2.67	0.87
	90	399	4.67	6.67	10.00	7428.33	2.83	26060.00	9.99	530279.67	TO	5.00	0.31	8.00	0.50	12.67	0.65
	126	399	3.33	6.33	10.00	108.67	0.36	1230.67	0.83	11379.00	3.00	4.67	0.51	5.33	0.68	7.00	0.50
blocks-right-2-p-t1	780	2291	4.33	5.33	9.33	38.00	0.60	53.33	0.49	1529.67	1.06	2.67	0.54	1.67	0.45	3.00	0.61
	252	792	4.00	6.33	10.00	15056.67	11.12	409342.67	TO	456585.00	TO	1.67	0.25	4.33	0.63	6.67	0.57
	92	192	4.00	5.67	10.00	287.00	0.59	1617.67	0.56	6906.33	1.46	2.67	0.60	3.00	0.65	5.33	0.63
comm-p05-p-t5	3384	12267	3.33	5.33	8.67	142.67	1.54	50.00	0.78	86.67	0.79	1.33	0.79	1.33	0.69	2.00	1.17
	208	515	3.00	6.33	9.00	1773.33	1.48	4279.00	1.65	76493.67	36.03	2.00	0.44	3.00	0.64	3.67	0.40
	2089	7199	4.00	5.00	8.33	16.00	0.38	121.00	0.78	95.00	0.62	2.00	0.61	1.67	0.71	2.00	0.73
blocks-right-3-p-t4	647	3489	4.67	7.00	9.67	198503.67	TO	308211.33	TO	296209.00	TO	3.33	0.89	5.67	0.71	9.33	1.18
	455	1774	4.33	7.00	10.00	290766.33	TO	270253.33	TO	293476.33	TO	2.67	0.39	3.33	0.63	6.33	0.33
	1886	8403	3.67	6.33	9.33	30.33	0.62	2678.67	6.04	1843.67	4.42	2.33	0.54	3.00	0.91	7.67	1.13
sort-num-s-5-p-t2	803	3417	4.33	6.00	9.33	180.33	0.67	3592.33	5.36	107903.00	TO	2.00	0.72	3.67	0.48	7.33	0.82
	992	3892	4.67	6.67	10.00	334799.33	TO	219958.67	TO	302154.00	TO	4.00	1.07	4.33	0.87	7.33	6.08
	447	1772	4.00	6.33	10.00	60642.67	TO	95870.67	TO	271322.67	TO	2.33	0.67	4.33	0.61	6.67	0.56
emptyroom-d24-g12-p-t4	1436	4896	3.00	5.00	8.00	59.67	0.34	91579.00	TO	112895.67	TO	1.00	0.64	1.33	0.50	2.67	0.71
	73	171	4.00	6.33	10.00	62.33	0.71	582.00	0.56	6516.33	1.14	2.67	0.59	4.33	0.61	6.67	0.39
	44	130	4.67	7.00	10.00	706.33	0.47	2725.33	0.69	23946.00	3.88	4.33	0.13	7.00	0.36	9.67	0.65
emptyroom-d4-g2-p-t1	2542	15423	4.67	6.00	9.67	113.33	0.76	171.67	1.10	5833.00	66.35	2.67	0.74	5.00	1.25	6.67	1.59
	140	538	4.33	7.00	10.00	2397.33	0.79	24989.67	7.57	195957.00	TO	4.00	0.37	6.00	0.45	9.00	0.50
	812	2974	4.67	7.00	10.00	256504.00	TO	219635.00	TO	261621.67	TO	3.67	3.00	5.33	0.82	6.33	1.93
emptyroom-d16-g8-p-t5	188	448	3.00	5.67	9.00	468.33	0.43	7376.00	2.31	53094.33	24.75	1.33	0.52	2.00	0.70	5.00	0.59
	10946	74751	4.00	6.00	9.67	17.33	0.98	74.67	2.11	1213.33	23.66	1.67	2.36	5.33	3.94	5.00	5.95
	368	951	3.33	6.00	9.00	46.67	0.65	158.33	0.32	1804.33	1.45	2.33	0.53	2.67	0.44	2.67	0.59
coins-p03-p-t2	133	402	4.67	6.67	10.00	2887.67	1.28	14745.00	12.94	100967.00	54.21	4.33	0.58	4.67	0.58	6.67	0.49
	406	1903	4.33	6.00	10.00	363861.00	TO	329481.33	TO	373393.67	TO	4.00	0.79	5.67	1.31	8.33	1.55
	704	1887	4.33	5.67	9.33	39.00	0.54	328.33	0.75	35521.67	35.87	2.00	0.41	1.67	0.70	4.00	0.68
blocks-right-2-p-t5	536	1419	4.00	6.00	9.00	56.33	0.31	4065.00	6.02	978.33	0.83	1.67	0.73	2.00	0.14	3.67	0.77
	1988	4963	3.67	5.67	9.00	38.33	0.71	58.00	0.53	207.67	0.75	1.00	0.74	2.00	0.93	3.33	0.59
	328	1151	4.00	5.00	9.67	6208.67	4.33	261.00	0.65	8986.67	6.31	2.67	0.30	4.00	0.72	6.00	0.56
uts-k2-p-t3	70	140	4.33	6.33	9.00	224.67	0.75	2401.67	0.76	5709.67	1.04	2.33	0.44	4.33	0.54	3.67	0.66
	104	233	4.33	5.67	9.00	168.67	0.47	279.00	0.53	345.00	0.73	3.00	0.61	3.00	0.56	5.00	0.46
	332	852	3.33	5.33	9.33	6960.33	3.72	343099.67	TO	382143.33	TO	1.33	0.60	1.67	0.60	3.00	0.95

ring-4-p-t4	272	687	3.00	5.67	9.67	15977.00	7.09	55545.33	34.19	273025.00	TO	1.33	0.56	2.00	0.61	3.00	0.47
	2849	12200	3.33	5.67	8.67	75433.67	TO	54660.00	TO	100352.67	TO	1.33	0.49	2.33	1.03	4.33	1.17
blocks-right-2-p-t3	248	1151	4.33	7.00	10.00	435721.00	TO	376622.00	TO	410099.67	TO	4.67	0.77	6.00	0.66	11.33	3.63
bomb-b20-t5-p-t4	5700	11245	3.67	5.67	8.67	14.33	0.54	53.67	0.64	80.33	0.85	1.67	0.62	2.33	0.61	1.67	1.45
safe-safe-2-p-t2	38	76	3.00	6.33	10.00	53.67	0.65	379.67	0.47	333.00	0.43	3.00	0.30	4.00	0.49	6.67	0.81
bomb-b10-t10-p-t2	1920	3710	3.67	6.00	9.33	16.33	0.82	60.00	0.51	166.00	0.76	1.33	0.55	2.67	0.51	3.00	0.53
safe-safe-5-p-t4	70	140	3.67	6.33	9.67	82.33	0.42	222.67	0.49	6842.00	2.00	2.33	0.49	3.67	0.27	4.67	0.23
ring-5-p-t3	262	654	4.00	5.33	8.67	10076.00	4.29	229430.00	253.64	322319.00	TO	2.00	0.39	2.33	0.12	3.00	0.48
ring2-r6-p-t5	308	963	3.67	5.00	9.33	352647.67	TO	434339.00	TO	414871.00	TO	2.33	0.21	3.00	0.50	3.67	0.72
safe-safe-5-p-t5	86	172	3.33	6.67	9.67	77.33	0.60	300.00	0.72	2021.00	0.83	2.33	0.32	4.00	0.25	5.00	0.54
emptyroom-d24-g12-p-t5	1228	4726	5.00	7.00	9.33	250670.33	TO	241443.67	TO	257567.33	TO	3.33	2.50	6.67	6.48	6.67	1.41
ring2-r6-p-t4	250	776	4.00	6.33	8.33	328327.00	TO	356699.33	TO	410066.33	TO	2.33	0.64	4.33	0.55	5.33	0.87
blocks-right-6-p-t4	2243	21411	4.00	7.00	9.67	88980.00	TO	81420.67	TO	64145.00	TO	3.00	2.57	?	?	?	?
emptyroom-d28-g14-corners-p-t2	608	1962	3.33	4.67	9.00	23.00	0.42	363.33	0.52	9661.00	9.17	1.00	0.54	1.33	0.56	2.67	0.50
bomb-b20-t5-p-t1	1500	2845	4.00	6.00	9.00	8.00	0.68	12.00	0.39	19.33	0.74	1.00	0.63	1.00	0.32	1.67	0.85
sort-num-s-7-p-t5	3549	15238	4.00	5.33	9.33	62325.00	TO	43179.33	TO	88377.00	TO	2.00	0.86	3.00	0.88	4.00	2.02
safe-safe-10-p-t4	135	295	3.33	5.00	10.00	76.67	0.41	89.67	0.34	2394.00	0.91	2.67	0.61	2.67	0.47	5.00	0.45
comm-p10-p-t4	7267	30239	3.67	6.00	9.00	18.33	0.94	236.33	2.48	458.33	3.69	1.33	0.95	2.33	1.80	2.00	1.98
emptyroom-d20-g10-corners-p-t1	236	696	3.67	6.00	9.00	68.00	0.44	375.00	0.77	579.00	0.60	1.67	0.30	3.67	0.56	3.67	0.24
safe-safe-30-p-t1	122	619	3.00	5.67	10.00	20.00	0.57	436.33	0.75	483.00	0.69	2.33	0.45	5.00	0.57	5.33	0.55
ring2-r8-p-t4	328	1041	4.00	6.00	9.33	376911.33	TO	325528.33	TO	375018.00	TO	3.33	0.38	4.00	0.76	6.33	0.71
coins-p03-p-t3	536	1419	4.33	6.33	9.33	143.33	0.35	2037.00	2.12	851.33	0.78	2.33	0.74	3.00	0.39	2.33	0.58
ring-3-p-t1	70	143	3.67	5.67	9.33	45.67	0.54	142.67	0.39	1391.00	0.75	1.33	0.69	2.67	0.55	5.67	0.27
emptyroom-d16-g8-p-t2	344	1336	4.67	7.00	10.00	162158.67	TO	379816.00	TO	447886.67	TO	3.67	0.28	6.33	0.31	7.33	0.37
comm-p03-p-t5	1874	6259	3.33	5.33	8.67	29.00	0.60	45.33	0.70	224.00	0.94	1.33	0.55	1.33	0.83	1.33	0.49
sort-num-s-3-p-t4	129	400	4.00	5.67	8.33	120400.00	177.23	31711.00	29.79	297806.33	TO	3.00	0.41	2.67	0.26	5.33	0.49
bomb-b5-t5-p-t3	820	1575	3.67	5.67	9.33	13.00	0.55	17.00	0.50	92.67	0.48	1.67	0.41	1.00	0.35	1.67	0.27
emptyroom-d20-g10-corners-p-t2	432	1386	3.00	5.00	8.33	17.00	0.38	277.33	0.97	33616.00	43.56	1.00	0.52	2.67	0.15	4.00	0.91
coins-p05-p-t4	704	1887	4.00	6.33	9.00	31.33	0.45	956.00	0.97	1094.00	0.82	2.33	0.55	2.00	0.45	2.00	0.55
sort-num-s-3-p-t1	39	106	4.00	7.00	9.33	115.00	0.57	1228.00	0.60	1141.33	0.41	3.00	0.58	5.00	0.60	5.33	0.74
emptyroom-d16-g8-p-t3	500	1882	4.67	6.67	10.00	340930.67	TO	374953.00	TO	362299.00	TO	3.33	0.62	5.67	0.60	8.33	0.87
comm-p04-p-t3	1601	5405	3.33	5.67	9.67	19.00	0.65	24.67	0.49	643.33	0.92	2.00	0.37	2.33	0.76	4.00	0.66
sort-num-s-5-p-t1	240	899	4.33	6.67	10.00	409.33	0.83	170953.33	TO	225284.00	TO	2.67	0.32	5.33	0.96	9.00	0.64
safe-safe-5-p-t1	22	44	4.00	5.67	9.33	38.67	0.39	61.00	0.36	393.67	0.38	2.33	0.57	3.00	0.64	5.67	0.45
coins-p05-p-t5	872	2355	3.67	5.67	9.33	1092.00	1.00	80.67	0.60	17335.33	45.60	1.33	0.64	2.33	0.57	2.33	0.57
uts-k4-p-t1	442	1755	3.67	6.00	8.67	35.33	0.55	239.00	0.77	2015.67	1.67	2.67	0.29	3.33	0.63	6.33	0.79
ring-5-p-t1	114	242	3.67	5.33	8.67	104.67	0.34	165.33	0.65	1499.33	0.52	2.67	0.12	2.67	0.38	4.67	0.58
emptyroom-d8-g4-p-t3	244	778	3.33	5.67	10.00	145.67	0.55	74681.33	49.99	317080.33	TO	1.67	0.43	2.67	0.42	5.33	0.50
coins-p01-p-t1	200	483	3.67	6.67	9.00	25.00	0.51	100.00	0.67	432.00	0.68	1.33	0.40	2.33	0.76	4.00	0.60
comm-p02-p-t4	1035	3231	4.00	5.67	8.67	12.67	0.51	363.67	0.92	456.33	0.88	2.33	0.53	2.67	0.42	3.00	0.77
coins-p05-p-t3	536	1419	3.67	6.33	9.00	24.67	0.58	2669.67	1.78	183.67	0.66	2.33	0.62	2.67	0.31	3.67	0.61
uts-k10-p-t2	4643	30255	4.00	6.00	8.67	350.00	1.58	2305.33	15.64	16633.67	138.92	4.00	1.23	2.67	1.61	7.00	2.56
emptyroom-d12-g6-p-t4	488	1744	4.67	6.67	9.67	371213.67	TO	311377.67	TO	370252.33	TO	3.00	0.61	4.67	0.67	4.67	0.54
uts-k5-p-t4	2325	11214	3.67	5.67	9.67	806.00	2.99	693.67	2.15	514.33	2.00	3.33	0.79	2.33	0.90	5.33	0.87
comm-p03-p-t2	812	2515	3.00	5.00	8.33	52.00	0.61	36.67	0.45	46.33	0.66	1.67	0.34	1.00	0.54	2.67	0.60
emptyroom-d16-g8-p-t1	188	790	4.67	6.67	9.67	12993.33	5.53	14374.33	5.34	220371.67	193.63	4.67	0.43	4.67	0.43	8.33	0.38
emptyroom-d8-g4-p-t4	320	1036	5.00	6.00	9.67	28535.00	95.44	175953.67	TO	220242.00	TO	2.33	0.71	2.67	0.72	4.33	0.50
ring-3-p-t2	116	267	3.67	5.67	9.67	418.33	0.38	12683.00	3.18	25576.67	5.91	2.00	0.77	2.33	0.72	5.00	0.61
ring-3-p-t5	254	639	3.33	5.67	9.00	11780.33	14.78	23701.33	9.50	307042.00	TO	1.67	0.60	1.33	0.31	4.33	0.44
sort-num-s-5-p-t4	885	3524	3.33	5.67	8.00	235069.33	TO	193385.33	TO	184243.33	TO	2.33	0.38	2.67	0.66	4.00	0.83
bomb-b5-t1-p-t3	348	659	3.67	6.00	8.33	13.33	0.73	39.67	0.39	58.00	0.66	1.33	0.71	2.67	0.26	1.67	0.72

emptyroom-d20-g10-corners-p-t5	1020	3456	3.33	6.33	9.00	105601.33	TO	24699.00	51.45	137299.67	TO	1.00	0.62	1.67	0.83	3.33	0.67
emptyroom-d24-g12-p-t3	756	3058	5.00	7.00	9.67	347198.67	TO	326516.33	TO	328591.67	TO	5.00	1.11	6.00	0.78	8.00	0.60
emptyroom-d24-g12-p-t1	284	1390	5.00	7.00	10.00	4202.67	2.23	119578.00	134.40	187347.33	TO	4.67	0.51	6.00	0.87	8.67	0.70
bomb-b10-t5-p-t3	1680	3265	3.33	5.67	8.33	16.33	0.46	22.33	0.61	50.67	0.60	1.33	0.39	1.67	0.62	2.33	0.47
coins-p01-p-t4	704	1887	4.00	6.33	8.67	113.00	0.33	304.33	0.38	3764.33	2.74	1.67	0.24	2.00	0.37	3.67	0.34
blocks-right-5-p-t3	1214	9032	5.00	6.00	10.00	139247.33	TO	106307.33	TO	138763.00	TO	4.33	2.17	5.33	2.37	11.00	23.27
bomb-b20-t5-p-t3	4300	8445	3.67	5.33	8.33	12.67	0.60	22.33	0.64	44.00	0.52	1.33	0.74	1.00	0.66	2.00	1.00
comm-p01-p-t4	634	1835	3.33	5.67	9.00	43.33	0.70	36.00	0.58	3786.33	3.06	1.33	0.26	3.00	0.54	3.33	0.77
blocks-right-4-p-t3	812	5071	4.33	7.00	10.00	212268.00	TO	238051.00	TO	262566.67	TO	4.00	0.74	6.67	11.75	11.00	10.43
sort-num-s-4-p-t3	298	1092	3.33	6.33	9.33	258582.33	TO	347157.67	TO	351152.33	TO	3.67	0.39	3.00	0.40	5.67	0.54
ring2-r8-p-t1	100	294	4.33	6.33	10.00	214.33	0.32	325.00	0.66	12156.33	2.52	2.67	0.53	5.33	0.43	6.67	0.59
coins-p01-p-t2	368	951	4.33	6.00	9.00	107.00	0.48	36.67	0.50	248.33	0.69	2.00	0.65	2.00	0.78	3.00	0.68
comm-p10-p-t2	3843	15143	3.33	5.33	9.00	24.00	0.74	46.67	0.60	83.00	0.85	1.33	0.69	1.67	0.84	1.67	0.91
coins-p02-p-t5	872	2355	4.33	6.33	9.00	694.33	1.03	7927.00	6.91	7033.33	6.72	2.00	0.48	2.67	0.79	4.00	0.58
uts-k4-p-t4	1525	6741	4.67	6.00	9.00	249.67	1.00	79.00	0.74	423.00	1.32	3.67	0.90	5.67	0.95	5.67	0.78
blocks-right-3-p-t5	804	4346	4.33	6.00	10.00	253520.00	TO	174245.33	TO	243726.33	TO	3.67	1.07	4.00	1.04	?	TO
emptyroom-d28-g14-corners-p-t3	884	2940	3.33	5.67	7.67	681.33	0.95	4596.00	6.32	1162.67	1.31	1.67	0.91	2.33	0.59	2.33	0.47
blocks-right-5-p-t1	432	3378	5.00	7.00	10.00	240491.67	TO	249306.67	TO	261220.33	TO	9.00	0.33	10.00	0.77	15.33	0.78
blocks-right-5-p-t2	823	6205	4.33	7.00	9.67	185262.67	TO	190556.67	TO	125104.67	TO	5.33	1.24	9.33	21.29	12.33	3.63
family-grid-new-dispose-4-1-p-t1	3315	11001	3.67	5.67	8.67	9.33	0.90	14.67	0.68	27.33	0.76	1.00	0.77	1.00	0.75	1.33	1.04
coins-p04-p-t1	200	483	3.33	6.33	8.33	49.67	0.80	75.33	0.36	49.67	0.55	2.00	0.71	2.00	0.25	2.67	0.80
emptyroom-d4-g2-p-t2	80	244	4.67	7.00	10.00	8438.00	1.91	5543.00	1.33	428633.67	TO	3.00	0.68	6.00	0.53	6.67	0.60
comm-p02-p-t5	1275	4035	3.33	5.00	8.00	498.00	1.37	134.00	0.55	105.67	0.56	2.67	0.79	2.67	0.70	2.33	0.75
blocks-right-2-p-t2	169	775	4.00	7.00	10.00	405138.67	TO	468225.33	TO	459572.00	TO	4.00	0.80	7.33	0.53	11.33	1.04
safe-safe-2-p-t1	22	44	3.33	6.00	9.00	16.33	0.32	60.00	0.49	208.67	0.54	2.67	0.22	5.00	0.62	6.33	0.78
coins-p04-p-t3	536	1419	3.67	5.33	9.00	28.33	0.60	56.67	0.55	284.33	0.66	1.00	0.72	2.00	0.64	3.00	0.70
blocks-right-4-p-t1	290	1795	4.67	7.00	10.00	186297.33	TO	341331.33	TO	310626.00	TO	7.00	0.75	10.67	0.39	12.00	0.88
comm-p10-p-t5	8979	37787	4.00	6.00	8.33	20.00	1.04	28.00	0.85	50.33	1.19	2.00	1.78	2.00	1.72	1.67	2.05
emptyroom-d4-g2-p-t3	116	358	4.33	6.67	10.00	49665.00	30.50	271981.33	TO	508711.00	TO	3.33	0.71	4.33	0.49	8.00	0.44
safe-safe-2-p-t5	86	172	3.33	6.33	9.33	38.00	0.37	2600.33	0.60	5341.67	1.22	1.33	0.63	3.00	0.80	6.67	0.47
emptyroom-d12-g6-p-t5	604	2146	4.67	6.00	9.67	371999.67	TO	335121.00	TO	400205.67	TO	3.33	0.45	3.67	0.80	7.33	1.15
uts-k1-p-t5	164	501	4.33	6.00	10.00	279.00	0.43	106775.67	192.92	258505.33	TO	3.67	0.36	4.00	0.66	6.67	0.48
emptyroom-d20-g10-corners-p-t4	824	2766	3.67	5.00	10.00	81.00	0.26	1349.33	1.92	167025.00	TO	1.67	0.70	1.67	0.82	3.67	0.63
comm-p01-p-t2	342	923	3.33	5.33	9.33	38.33	0.68	134.33	0.46	337.67	0.54	2.00	0.42	1.67	0.47	3.00	0.73
ring2-r8-p-t2	176	543	4.00	6.67	10.00	14155.33	6.29	277138.33	TO	302380.67	TO	3.00	0.74	5.33	0.31	7.67	0.29
coins-p04-p-t2	368	951	4.00	6.33	9.67	59.00	0.59	185.00	0.56	2763.00	0.95	1.33	0.34	1.67	0.22	4.00	0.55
comm-p05-p-t2	1458	4923	3.00	5.67	8.67	80.33	0.47	34.00	0.34	1380.67	2.71	1.67	0.58	1.67	0.50	2.33	1.19
blocks-right-5-p-t4	1605	11859	4.00	7.00	10.00	132822.67	TO	135293.33	TO	123090.00	TO	3.67	79.38	5.33	2.77	8.00	94.11
emptyroom-d24-g12-p-t2	520	2224	5.00	7.00	10.00	392524.33	TO	337806.33	TO	377449.67	TO	4.00	0.52	6.00	0.57	7.00	0.77
emptyroom-d4-g2-p-t4	152	472	4.00	7.00	9.33	217529.33	TO	259074.33	TO	384762.67	TO	2.33	0.25	4.00	0.62	5.67	0.45
uts-k5-p-t5	2876	13981	4.33	7.00	9.67	87.00	0.96	585.33	1.53	175.67	1.00	3.67	0.82	5.33	0.94	6.33	1.53
comm-p04-p-t2	1113	3611	3.67	6.00	9.00	23.67	0.66	14.67	0.57	305.00	0.64	1.33	0.49	1.67	0.89	3.00	0.98
comm-p05-p-t4	2742	9819	4.00	5.00	8.00	73.33	0.51	21.67	0.64	4952.00	15.54	1.67	0.49	1.00	0.80	2.00	0.80
uts-k10-p-t4	8845	59919	4.67	6.00	9.67	83.67	1.77	420.33	6.50	266.67	5.95	3.00	2.44	2.00	2.86	5.67	4.67
coins-p02-p-t1	200	483	4.00	6.00	9.33	28.67	0.49	15477.33	5.82	781.00	0.56	1.33	0.31	3.33	0.58	6.00	0.46
bomb-b5-t5-p-t1	300	535	4.00	6.00	9.33	17.33	0.46	12.00	0.74	24.67	0.57	1.33	0.35	1.00	0.69	1.67	0.23
uts-k5-p-t3	1774	8447	4.00	6.00	9.00	110.33	0.66	1881.00	4.25	7419.00	19.38	5.00	0.90	4.33	1.03	4.33	1.17
bomb-b10-t10-p-t1	1000	1870	4.00	6.00	9.00	36.00	0.55	40.67	0.65	18.00	0.70	1.67	0.87	2.00	0.52	1.00	0.47
safe-safe-5-p-t2	38	76	4.33	5.33	8.67	102.67	0.46	270.33	0.42	292.00	0.69	2.67	0.37	4.67	0.58	4.33	0.37
sort-num-s-6-p-t5	2091	8720	3.67	5.33	10.00	87283.33	TO	132455.00	TO	113284.00	TO	1.67	0.90	3.33	0.63	5.67	2.43
emptyroom-d28-g14-corners-p-t4	1160	3918	3.00	5.33	9.67	24.67	0.56	95.00	0.56	226369.33	TO	1.00	0.25	1.33	0.82	2.67	0.82

coins-p05-p-t1	200	483	4.00	6.67	9.67	61.67	0.44	788.00	0.76	394.00	0.74	2.00	0.31	3.33	0.28	3.33	0.53
	395	1165	3.00	5.00	9.33	56.33	0.84	50.67	0.47	3991.67	1.76	2.67	0.62	3.00	0.49	4.67	0.27
safe-safe-30-p-t4	2100	7371	3.33	5.67	8.33	42.00	0.62	125.00	0.55	140.33	0.73	2.00	0.47	1.33	0.47	2.00	0.82
	256	940	4.67	6.67	10.00	232153.67	TO	273200.33	TO	454117.67	TO	4.00	0.57	6.00	0.70	9.00	0.63
emptyroom-d12-g6-p-t2	704	1887	4.67	6.33	8.00	156.67	0.79	366.00	0.81	2275.67	2.01	2.33	0.46	1.67	0.50	1.67	0.60
coins-p04-p-t4	536	1419	4.33	6.00	8.33	159.00	0.51	104.33	0.44	487.00	0.52	2.00	0.48	2.33	0.68	1.67	0.44
	5984	21830	4.33	5.67	9.33	22.00	0.78	18.33	0.58	391.33	1.82	3.33	1.53	1.33	1.02	2.33	2.33
family-grid-new-dispose-4-1-p-t2	628	2076	3.00	5.00	9.00	14.00	0.44	226.00	0.52	34420.00	41.38	1.00	0.61	2.33	0.59	4.33	0.57
emptyroom-d20-g10-corners-p-t3	1696	16855	5.00	6.33	9.33	67108.67	TO	88246.00	TO	79392.33	TO	7.33	2.51	7.67	117.77	?	TO
blocks-right-6-p-t3	1340	2615	3.67	5.00	8.67	24.33	0.43	36.67	0.50	63.33	0.53	2.33	0.41	1.00	0.85	3.00	0.46
bomb-b5-t5-p-t5	842	2011	3.33	5.67	8.67	17.00	0.55	68.00	0.65	327.67	0.82	2.33	0.27	1.67	0.73	2.00	0.69
coins-p10-p-t2	1996	14686	4.67	6.33	10.00	87190.67	TO	110128.67	TO	99219.67	TO	3.33	1.45	?	TO	?	TO
blocks-right-5-p-t5	872	2355	4.00	5.33	9.67	61.33	0.49	1358.00	1.36	1344.00	1.10	2.00	0.52	1.67	0.48	2.00	0.63
coins-p04-p-t5	2131	7595	3.00	5.33	8.00	24.00	0.75	29.00	0.64	77.33	0.56	1.67	0.35	1.33	0.95	1.00	0.73
comm-p10-p-t1	456	875	3.33	5.67	8.33	41.67	0.31	28.00	0.56	81.67	0.38	2.67	0.50	1.67	0.32	3.67	0.68
bomb-b5-t1-p-t4	132	227	3.67	5.67	9.00	10.67	0.62	19.33	0.63	28.67	0.70	1.33	0.53	2.00	0.34	1.00	0.47
bomb-b5-t1-p-t1	858	3509	3.00	5.67	9.67	191201.67	TO	221715.67	TO	242500.67	TO	2.33	0.51	4.67	0.97	6.33	1.11
sort-num-s-6-p-t2	682	2695	4.33	6.33	10.00	215.67	0.82	297.67	0.63	171174.33	TO	2.00	0.73	3.33	0.65	6.33	0.87
uts-k3-p-t3	2220	4345	3.33	5.67	9.00	16.00	0.58	29.67	0.54	77.00	0.49	1.33	0.75	1.67	0.50	1.67	0.65
bomb-b10-t5-p-t4	404	1290	3.67	6.33	9.33	448416.33	TO	332541.00	TO	451956.33	TO	2.33	0.65	2.67	0.45	4.00	0.36
ring2-r8-p-t5	204	733	4.00	6.67	9.67	119533.00	TO	251681.67	TO	330589.33	TO	3.00	0.56	4.00	0.66	7.00	0.66
sort-num-s-4-p-t2	162	391	3.00	5.00	9.00	907.33	0.65	3772.67	1.49	17981.67	4.39	2.00	0.25	3.00	0.53	4.33	0.25
ring-3-p-t3	200	483	4.00	6.00	8.33	26.67	0.66	273.00	0.63	149.00	0.54	2.33	0.51	3.00	0.43	3.33	0.81
coins-p03-p-t1	704	1887	3.67	5.67	9.33	65.33	0.57	83.00	0.70	242155.67	TO	2.00	0.61	2.00	0.67	2.67	0.68
coins-p03-p-t4	2790	25967	4.67	6.00	10.00	57713.33	TO	54093.00	TO	61120.67	TO	?	TO	?	TO	8.33	438.32
blocks-right-6-p-t5	176	918	4.00	6.33	10.00	141633.33	231.55	94993.00	147.94	392883.00	TO	5.33	0.31	7.00	0.57	13.67	0.62
blocks-right-3-p-t1	6744	45087	4.67	5.67	10.00	889.33	5.08	19.00	1.26	28647.00	TO	3.67	2.03	2.00	1.80	6.33	3.89
uts-k10-p-t3	488	1379	3.33	6.00	9.67	512.00	0.90	23.00	0.41	654.33	0.80	2.00	0.71	2.33	0.18	3.33	0.66
comm-p01-p-t3	71	204	3.67	6.00	10.00	159.33	0.62	3687.67	0.66	12983.00	2.66	3.67	0.22	3.67	0.48	7.00	0.37
uts-k1-p-t2	1606	3979	4.00	6.00	9.33	43.00	0.46	794.00	1.01	328.67	0.94	1.33	0.65	1.67	0.75	3.00	0.76
coins-p10-p-t4	410	1066	3.00	5.00	10.00	168833.33	TO	381975.67	TO	531107.33	TO	1.67	0.76	2.00	0.57	3.33	0.83
ring-5-p-t5	3760	7390	3.67	5.67	8.33	28.67	0.39	27.00	0.56	43.33	0.55	2.67	0.45	2.00	0.79	1.33	0.92
bomb-b10-t10-p-t4	1164	5079	4.00	5.00	9.67	77.33	0.63	4076.00	7.51	111539.67	TO	3.33	0.75	2.67	0.49	6.67	0.73
uts-k4-p-t3	1680	6983	3.00	6.67	8.33	79457.33	TO	169690.67	TO	135008.67	TO	2.00	0.50	3.67	0.94	5.33	1.01
sort-num-s-6-p-t4	260	933	4.67	5.67	10.00	249.00	0.43	76.67	0.54	3205.00	1.51	3.00	0.72	3.67	0.69	7.00	0.71
safe-safe-30-p-t2	213	801	3.33	6.33	10.00	27.00	0.66	455.33	0.81	742.00	0.72	1.33	0.50	3.33	0.45	4.33	0.82
bomb-b5-t5-p-t4	1080	2095	3.67	5.00	9.33	33.00	0.51	39.33	0.41	49.00	0.56	2.33	0.49	1.67	0.59	2.67	0.39
safe-safe-2-p-t3	54	108	4.33	5.33	10.00	125.67	0.42	174.33	0.80	5472.67	0.83	3.00	0.53	3.00	0.35	6.00	0.52
bomb-b10-t10-p-t5	4680	9230	3.67	5.67	8.67	20.33	0.56	22.00	0.65	54.33	0.93	1.67	0.87	1.67	0.89	1.67	0.85
sort-num-s-3-p-t5	159	498	3.67	5.33	9.33	5530.00	9.10	151580.00	TO	437045.67	TO	2.67	0.35	3.00	0.31	4.33	0.94
comm-p03-p-t4	1520	5011	3.33	5.67	9.00	48.67	0.67	92.33	0.47	7489.33	17.06	1.00	0.57	2.67	0.64	3.33	0.78
comm-p03-p-t1	458	1267	4.00	5.33	8.00	23.67	0.38	142.33	0.72	46.67	0.18	1.33	0.70	1.67	0.38	1.67	0.57
sort-num-s-7-p-t2	1449	6124	3.33	6.00	10.00	135203.00	TO	166183.33	TO	202205.67	TO	3.00	0.27	3.33	0.99	7.33	1.16
ring2-r6-p-t2	134	402	4.33	6.00	9.00	22933.00	8.48	8880.33	2.62	90600.00	48.49	3.67	0.48	3.33	0.88	7.67	0.58
comm-p02-p-t2	555	1623	3.33	5.67	8.33	31.67	0.61	72.67	0.39	78.67	0.77	2.00	0.59	2.67	0.86	2.67	0.33
uts-k5-p-t2	1223	5680	4.00	6.00	9.00	1874.67	2.71	873.67	1.34	2449.33	4.16	2.33	0.52	3.33	0.72	4.67	0.82
comm-p04-p-t5	2577	8993	3.67	6.00	8.67	14.33	0.58	51.00	0.78	57.67	0.79	1.67	0.74	1.67	1.09	2.00	1.05
uts-k1-p-t3	102	303	4.33	6.33	10.00	753.00	0.60	10671.67	6.57	82228.00	71.05	3.00	0.35	4.00	0.53	7.67	0.53