

**Table 1:** LPX.K.USECUTS = 1.

Name	Time	Iters	Nodes	Best	Solved
10teams	521.18	711067	6043	924	1
air01	0.01	37	1	6796	1
air02	0.36	142	1	7810	1
air03	0.52	270	1	340160	1
air06	26.01	11651	34	49649	1
bal8x12	1.16	2592	376	471.55	1
bell3b	38.45	41209	25880	11786160.62	1
bienst1	1519.11	3971433	32621	46.75	1
bk4x3	0	30	1	350	1
blend2	26.59	49393	18186	7.6	1
bm23	0.09	1244	382	34	1
cracpb1	0.03	166	1	22199	1
dcmulti	14.4	11246	552	188182	1
dsbmip	6.78	2591	26	-305.2	1
egout	0.1	562	13	568.1	1
enigma	84.79	824911	113613	0	1
fiber	222.01	129490	15673	405935.18	1
fixnet3	0.11	248	1	51973	1
fixnet4	9.65	11008	672	8936	1
fixnet6	24.67	23955	2880	3983	1
flugpl	0.8	2892	3478	1201500	1
gen	3.37	7375	343	112313.36	1
gr4x6	0.09	693	108	202.35	1
khb05250	1.86	2889	85	106940226	1
l152lav	163.57	82785	5333	4722	1
lp41	0.08	267	1	2967	1
lseu	11.12	68869	33066	1120	1
manna81	104.93	4597	1	-13164	1
mas284	167.96	231287	51628	91405.72	1
misc01	0.47	3945	559	563.5	1
misc02	0.11	1160	117	1690	1
misc03	15.11	36074	3170	3360	1
misc04	2.64	2742	13	2666.7	1
misc05	1.68	4235	379	2984.5	1
misc06	0.9	2082	64	12850.86	1
misc07	1325.8	1058824	93303	2810	1
mitre	160.25	1542	1	115155	1
mod008	51.06	79182	40178	307	1
mod010	0.33	589	1	6548	1
mod013	0.63	2206	650	280.95	1
nw04	66.81	2270	153	16862	1

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Table 1 – continued from previous page

Name	Time	Iters	Nodes	Best	Solved
p0033	0.06	1077	460	3089	1
p0040	0	73	1	62027	1
p0201	3.65	11420	893	7615	1
p0282	33.93	19063	1875	258411	1
p0291	0.12	1048	186	5223.75	1
p0548	2.72	4047	349	8691	1
p2756	17.31	7927	1078	3124	1
pipex	1.05	9936	3007	788.26	1
pp08a	780.36	417930	53975	7350	1
ran10x10a	22.74	49547	19275	1499	1
ran10x10b	4.99	13249	4075	3073	1
ran10x12	6.35	12743	3681	2714	1
rentacar	6.55	5964	47	30356760.98	1
rgn	13.29	24944	4714	82.2	1
set1al	1.73	663	31	15869.75	1
set1cl	1.63	433	1	6484.25	1
stein15	1.3	5130	79	9	1
stein27	13.26	20456	3226	18	1
stein45	451.36	349286	58719	30	1
stein9	0.02	296	6	5	1
vpm1	0.79	1640	53	20	1
mzzv11	3600	627372	393	-16248	0
ds	3600	103465	259	780.06	0
rd-rplusc-21	3600	2766	1061109567	not	0
momentum3	3600	103131	8	not	0
atlanta-ip	3600	233394	82	not	0
t1717	3600	14476	299	not	0
momentum1	3600	733132	2180	not	0
msc98-ip	3600	354059	121	not	0
mzzv42z	3600	68024	484	-17646	0
fast0507	3600	60521	720	183	0
mod011	3600	2369424	14013	-54353428.06	0
dano3mip	3600	795568	2712	720.44	0
disctom	3600	176584	3589	not	0
air04	3600	654062	5792	56138	0
air05	3600	574307	8890	26374	0
arki001	3600	1201818	175194	7581058.66	0
danooint	3600	6936806	83430	65.67	0
afflow30a	3600	4678777	210285	1158	0
gesa2-o	3600	977217	149992	25785373.38	0
bell5	3600	993713	591543	8966406.49	0
tr12-30	3600	5213046	743589	not	0

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**Table 1 – continued from previous page**

Name	Time	Iters	Nodes	Best	Solved
mkc	3600	1693720	76311	-287.49	0
mas74	3600	2319666	558427	11801.19	0
opt1217	3600	2939345	329355	-16	0
swath	3600	1307104	70897	518.74	0
markshare1	3600	1101467	518000	18	0
nsrand-ipx	3600	85432	26112	57120	0
set1ch	3600	1639421	315616	56038.25	0
mas76	3600	1456767	449705	40005.05	0
timtab2	3600	773698	146004	1462958	0
alc1s1	3600	1136695	33494	13842.91	0
seymour	3600	298559	3938	434	0
noswot	3600	815255	268659	-38	0
timtab1	3600	1127095	247769	831325	0
afflow40b	3600	5827120	55263	1370	0
vpm2	3600	2042400	319445	13.75	0
qiu	3600	4300052	142515	-132.87	0
bell4	3600	1601987	793496	18553387.58	0
cap6000	3600	2037614	138141	-2332219	0
rout	3600	3744594	247948	1147.57	0
modglob	3600	1206124	162046	20740508.09	0
pk1	3600	2848293	420299	11	0
markshare2	3600	1235289	480175	42	0
liu	3600	3002620	11673	3986	0
gesa2	3600	12092481	1061109567	not	0
stp3d	3600	93001	1061109567	not	0
protfold	3600	1540736	1344	-21	0
pp08aCUTS	3600	403726	45354	7350	0
roll3000	3600	94537	5764	17355	0
glass4	-1	-1	-1	-1	0
harp2	-1	-1	-1	-1	0
momentum2	-1	-1	-1	-1	0
net12	-1	-1	-1	-1	0
sp97ar	-1	-1	-1	-1	0

**Table 2: LPX\_K\_USECUTS = 0.**

Name	Time	Iters	Nodes	Best	Solved
10teams	27.48	62590	1243	924	1
air01	0.01	45	5	6796	1
air02	1.34	374	41	7810	1

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**Table 2 – continued from previous page**

Name	Time	Iters	Nodes	Best	Solved
air03	0.56	271	3	340160	1
air05	2351.05	734728	14075	26374	1
air06	12.26	10067	14	49649	1
bal8x12	0.13	561	266	471.55	1
bell3b	1340.05	5318291	5681877	11786160.62	1
bell5	8.56	44798	46815	8966406.49	1
bienst1	487.29	3316675	28039	46.75	1
bk4x3	0	26	11	350	1
blend2	5.38	19437	8521	7.6	1
bm23	0.04	1016	392	34	1
cracpb1	3.35	13720	800	22199	1
dcmulti	4.32	11739	4765	188182	1
disctom	1696.78	214242	4129	-5000	1
dsbmip	0.22	622	21	-305.2	1
egout	0.02	222	175	568.1	1
enigma	6.34	190682	23018	0	1
fiber	1659.84	2161667	385464	405935.18	1
fixnet3	0.24	590	170	51973	1
fixnet4	6.16	11230	4579	8936	1
fixnet6	7.1	12536	5085	3983	1
flugpl	0.23	3249	4809	1201500	1
gen	0.77	4245	301	112313.36	1
gr4x6	0.01	103	69	202.35	1
khb05250	4.22	12328	3176	106940226	1
l152lav	54.15	74965	6229	4722	1
lp41	0.48	1194	91	2967	1
lseu	4.62	62140	25798	1120	1
mas284	70.84	223679	49902	91405.72	1
misc01	0.23	3587	634	563.5	1
misc02	0.04	669	143	1690	1
misc03	1.73	18724	1981	3360	1
misc04	0.71	1946	24	2666.7	1
misc05	0.4	2293	407	2984.5	1
misc06	0.5	1779	123	12850.86	1
misc07	497.45	1975691	172424	2810	1
mitre	1754.97	57199	46456	115155	1
mod008	2.63	13796	6842	307	1
mod010	7.56	9368	840	6548	1
mod013	0.09	1034	564	280.95	1
nw04	231.58	8574	643	16862	1
p0033	0.05	1114	831	3089	1
p0040	0	141	49	62027	1

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**Table 2 – continued from previous page**

Name	Time	Iters	Nodes	Best	Solved
p0201	1.47	10348	1435	7615	1
p0282	0.48	2447	1100	258411	1
p0291	0.03	235	152	5223.75	1
p0548	60.08	102504	62429	8691	1
pipex	0.18	3808	1617	788.26	1
ran10x10a	2.95	16481	8186	1499	1
ran10x10b	0.92	5678	2719	3073	1
ran10x12	0.74	3846	1783	2714	1
rentacar	5.05	7083	79	30356760.98	1
rgn	0.78	11430	3197	82.2	1
stein15	0.01	327	85	9	1
stein27	1.05	14112	3968	18	1
stein45	66.05	340115	61385	30	1
stein9	0	43	14	5	1
vpm1	175.39	873349	357413	20	1
mzzv11	3600	867969	177	not	0
ds	3600	103189	282	669.73	0
rd-rplusc-21	3600	2294	222	not	0
momentum3	3600	70612	55	not	0
msc98-ip	3600	345358	331	not	0
fast0507	3600	53751	717	183	0
atlanta-ip	3600	334223	336	not	0
momentum1	3600	741993	1756	not	0
t1717	3600	14629	283	not	0
mzzv42z	3600	44931	880	-16862	0
seymour	3600	805955	11132	430	0
afflow40b	3600	8996881	124484	1252	0
swath	3600	3415641	177925	491.51	0
cap6000	3600	3249315	211464	-2358694	0
gesa2-o	3600	1273551	558488	25779856.37	0
mkc	3600	5399596	99070	-302.2	0
liu	3600	139316	78884	4154	0
mod011	3600	2911367	39403	-54558535.01	0
opt1217	3600	5957532	869974	-16	0
tr12-30	3600	2732823	1067495	not	0
set1cl	3600	526312	514392	6484.25	0
mas74	3600	2319966	574235	11857.37	0
p2756	3600	984059	828836	3250	0
afflow30a	3600	8518020	424180	1158	0
timtab1	3600	2057440	549734	863180	0
pp08a	3600	1431611	501310	7380	0
modglob	3600	1105740	470786	20755041.82	0

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**Table 2 – continued from previous page**

Name	Time	Iters	Nodes	Best	Solved
pp08aCUTS	3600	1650495	473944	7350	0
set1al	3600	1021315	969860	15915.25	0
set1ch	3600	996659	531017	59286	0
dano3mip	3600	1535612	3497	721.7	0
noswot	3600	2313071	597292	-40	0
tintab2	3600	10440594	2302863	not	0
manna81	3600	32479	28161	-13164	0
roll3000	3600	3386749	268209	not	0
vpm2	3600	2038417	546336	13.75	0
markshare2	3600	1494107	586507	29	0
pk1	3600	3025477	496319	11	0
bell4	3600	10864911	12514278	18576909.42	0
markshare1	3600	1259439	586877	10	0
mas76	3600	1653663	555530	40005.05	0
nsrand-ipx	3600	70607	20768	54720	0
a1c1s1	3600	1147812	226321	13402.34	0
air04	3600	861840	10572	56137	0
qiu	3600	8280610	284784	-132.87	0
arki001	3600	2165224	510884	7581427.86	0
danoint	3600	17859831	207331	65.67	0
gesa2	3600	11952713	1061109567	not	0
stp3d	3600	93963	1061109567	not	0
rout	3600	4162018	289588	1116.68	0
protfold	3600	116181	74	not	0
glass4	-1	-1	-1	-1	0
harp2	-1	-1	-1	-1	0
momentum2	-1	-1	-1	-1	0
net12	-1	-1	-1	-1	0
sp97ar	-1	-1	-1	-1	0