

Table 1: No aspiration.

Name	Time	Iters	Nodes	Best	Solved
10teams	521.18	711067	6043	924	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
blend2	26.59	49393	18186	7.6	1
bm23	0.09	1244	382	34	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
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
lseu	11.12	68869	33066	1120	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
mod008	51.06	79182	40178	307	1
mod013	0.63	2206	650	280.95	1
nw04	66.81	2270	153	16862	1
p0033	0.06	1077	460	3089	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

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Name	Time	Iters	Nodes	Best	Solved
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
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

Table 2: Perfect aspiration.

Name	Time	Iters	Nodes	Best	Solved
10teams	48.56	66896	500	924	1
air06	21.43	9552	3	49649	1
bal8x12	0.66	1507	129	471.55	1
bell3b	25.78	27258	17133	11786160.62	1
bienst1	1512.11	3935555	32434	46.75	1
blend2	4.31	7950	3770	7.6	1
bm23	0.06	973	284	34	1
dcmulti	12.6	9586	369	188182	1
dsbmip	6.7	2506	18	-305.2	1
egout	0.1	562	13	568.1	1
enigma	19.24	190452	28749	0	1
fiber	194.54	112577	13579	405935.18	1
fixnet4	9.11	10516	599	8936	1
fixnet6	20.76	19830	2191	3983	1
flugpl	0.67	2480	2935	1201500	1
gen	2.87	6167	265	112313.36	1
gr4x6	0.07	548	55	202.35	1
khh05250	1.64	2534	55	106940226	1
l152lav	139.57	62268	4192	4722	1
lseu	8.9	53477	26070	1120	1
mas284	175.09	230256	51383	91405.72	1
misc01	0.46	3936	557	563.5	1
misc02	0.1	1144	113	1690	1
misc03	13.75	32670	2961	3360	1
misc04	2.61	2699	13	2666.7	1
misc05	1.63	4235	379	2984.5	1
misc06	0.79	1914	28	12850.86	1

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Name	Time	Iters	Nodes	Best	Solved
misc07	1148.04	1054130	93013	2810	1
mod008	14.49	25458	8707	307	1
mod013	0.51	1820	509	280.95	1
nw04	40.37	1372	87	16862	1
p0033	0.06	1064	455	3089	1
p0201	3.51	11129	871	7615	1
p0282	23.45	15313	1041	258411	1
p0291	0.1	880	129	5223.75	1
p0548	2.57	3800	251	8691	1
p2756	4.39	1740	128	3124	1
pipex	0.2	1908	679	788.26	1
pp08a	766.09	412701	53369	7350	1
ran10x10a	10.55	21321	9321	1499	1
ran10x10b	3.58	8899	2855	3073	1
ran10x12	3.21	6337	1911	2714	1
rentacar	3.91	3822	40	30356760.98	1
rgn	12.88	24859	4702	82.2	1
set1al	1.68	642	25	15869.75	1
stein15	1.3	5130	79	9	1
stein27	13.17	20456	3226	18	1
stein45	479.76	357582	61060	30	1
stein9	0.01	296	6	5	1
vpml	0.87	1829	86	20	1

Table 3: Best-projection aspiration.

Name	Time	Iters	Nodes	Best	Solved
10teams	497.7	685675	5546	924	1
air06	26.14	11651	34	49649	1
bal8x12	1.06	2413	320	471.55	1
bell3b	38.62	40840	25729	11786160.62	1
bienst1	1518.78	3952917	32471	46.75	1
blend2	17.64	32542	12102	7.6	1
bm23	0.09	1346	393	34	1
dcmulti	14.61	11121	530	188182	1
dsbmip	6.92	2591	26	-305.2	1
egout	0.1	562	13	568.1	1
enigma	83.33	824911	113613	0	1
fiber	223.93	129584	15529	405935.18	1
fixnet4	9.5	10970	657	8936	1

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Name	Time	Iters	Nodes	Best	Solved
fixnet6	25.12	23991	2876	3983	1
flugpl	0.8	2931	3517	1201500	1
gen	3.3	7094	315	112313.36	1
gr4x6	0.09	662	89	202.35	1
khh05250	1.86	2861	76	106940226	1
l152lav	187.23	83529	5298	4722	1
lseu	11.46	68865	33065	1120	1
mas284	175.69	231040	51535	91405.72	1
misc01	0.46	3945	559	563.5	1
misc02	0.1	1160	117	1690	1
misc03	15.18	36073	3169	3360	1
misc04	2.65	2742	13	2666.7	1
misc05	1.63	4235	379	2984.5	1
misc06	0.86	2075	64	12850.86	1
misc07	1153.15	1058817	93302	2810	1
mod008	42.41	74519	33801	307	1
mod013	0.57	2042	573	280.95	1
nw04	66.8	2270	153	16862	1
p0033	0.06	1077	460	3089	1
p0201	3.59	11391	890	7615	1
p0282	27.68	18076	1512	258411	1
p0291	0.11	1006	158	5223.75	1
p0548	2.71	4007	336	8691	1
p2756	12.09	4791	545	3124	1
pipex	1.06	10020	2865	788.26	1
pp08a	774.95	417474	53874	7350	1
ran10x10a	23.13	46748	17989	1499	1
ran10x10b	4.52	11226	3369	3073	1
ran10x12	5.57	10992	3047	2714	1
rentacar	6.1	5964	47	30356760.98	1
rgn	12.92	24944	4714	82.2	1
set1al	1.73	663	31	15869.75	1
stein15	1.3	5130	79	9	1
stein27	13.17	20456	3226	18	1
stein45	468.56	349231	58704	30	1
stein9	0.01	296	6	5	1
vpml	0.78	1640	53	20	1

Table 4: Pseudo-cost aspiration.

Name	Time	Iters	Nodes	Best	Solved
10teams	404.88	703725	5963	924	1
air06	29.9	11651	34	49649	1
bal8x12	1.06	2573	369	471.55	1
bell3b	58.97	66745	40832	11786160.62	1
bienst1	1527.06	4090030	32385	46.75	1
blend2	6.18	12756	4925	7.6	1
bm23	0.08	1236	361	34	1
dcmulti	13.98	11338	550	188182	1
dsbmip	7.54	3667	76	-305.2	1
egout	0.1	562	13	568.1	1
enigma	145.67	844792	91307	0	1
fiber	224.02	129422	15667	405935.18	1
fixnet4	10.92	10596	601	8936	1
fixnet6	21.01	21321	2211	3983	1
flugpl	0.77	2805	3153	1201500	1
gen	3.54	7375	343	112313.36	1
gr4x6	0.1	693	108	202.35	1
khb05250	1.96	2889	85	106940226	1
l152lav	174.03	82776	5333	4722	1
lseu	11.4	67842	31401	1120	1
mas284	346.05	409852	66107	91405.72	1
misc01	0.47	4189	575	563.5	1
misc02	0.1	1179	113	1690	1
misc03	13.08	35412	2935	3360	1
misc04	2.52	3240	13	2666.7	1
misc05	1.72	4484	381	2984.5	1
misc06	0.76	2036	27	12850.86	1
misc07	1294.6	1061987	93293	2810	1
mod008	51.86	79182	40178	307	1
mod013	0.64	2189	642	280.95	1
nw04	77.21	2270	153	16862	1
p0033	0.06	1139	445	3089	1
p0201	3.58	11420	893	7615	1
p0282	23.24	18100	1356	258411	1
p0291	0.12	1048	186	5223.75	1
p0548	2.63	4047	349	8691	1
p2756	22	7660	1096	3124	1
pipex	1.01	9655	2956	788.26	1
pp08a	742.43	417930	53975	7350	1
ran10x10a	21.16	47456	18709	1499	1
ran10x10b	5.13	13826	4208	3073	1

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Table 4 – continued from previous page

Name	Time	Iters	Nodes	Best	Solved
ran10x12	5.92	12691	3671	2714	1
rentacar	6.38	7120	41	30356760.98	1
rgn	12.64	25598	4807	82.2	1
set1al	1.72	656	25	15869.75	1
stein15	1.28	5130	79	9	1
stein27	12.71	20456	3226	18	1
stein45	432.71	349280	58717	30	1
stein9	0.01	296	6	5	1
vpm1	0.9	1745	73	20	1