

Instance	$ V $	$ E $	χ_{eq}	$\overline{\chi_{eq}}$	NAIVE	≤ 30 sec. k Time	≤ 1 hour k Time	k	Time
miles750	128	2113	31	31	33	31 0.0		35	13
miles1000	128	3216	42	42	47	43 0.1		49	13
miles1500	128	5198	73	73	74	73 0.0		77	13
zeroin.i.1	211	4100	49	49	51	51 0.0		74	22
zeroin.i.2	211	3541	36	36	51	51 0.0		95	22
zeroin.i.3	206	3540	36	36	49	49 0.0		97	21
queen8.8	64	728	9	9	18	9 1.2		10	7
jean	80	254	10	10	10	10 0.0		10	3
anna	138	493	11	11	11	11 0.0		13	14
david	87	406	30	30	40	30 0.0		30	9
games120	120	638	9	9	9	9 0.0		11	6
kneser9.4	126	315	3	3	4	3 0.0		6	2
2-FullIns.3	52	201	5	5	9	5 0.0		8	1
3-FullIns.3	80	346	6	6	7	6 0.0		9	2
4-FullIns.3	114	541	7	7	12	7 0.1		11	5
5-FullIns.3	154	792	8	8	9	8 0.0		13	8
2-FullIns.5	852	12201	4	7	15	7 2.5			
3-FullIns.5	2030	33751	5	8	13	8 25			
4-FullIns.4	690	6650	6	8	14	8 0.4			
4-FullIns.5	4146	77305	6	9	21	14 20	9	254	
1-Insertions.6	607	6337	3	7	14	7 0.2			
2-Insertions.5	597	3936	3	6	6	6 0.0			
3-Insertions.5	1406	9695	3	6	8	6 1.2			
homer	561	1628	13	13	13	13 0.0			
huck	74	301	11	11	11	11 0.0			
latin.square.10	900	307350	90	130	460	169 30	130	1301	
DSJC125.1	125	736	5	5	8	5 0.8			
DSJC125.5	125	3891	9	18	27	19 0.1	18	788	
DSJC125.9	125	6961	42	45	66	45 0.4			
DSJC250.1	250	3218	4	8	13	9 0.1	8	32	
DSJC250.5	250	15668	11	32	65	33 7.2	32	69	
DSJC250.9	250	27897	63	83	136	83 1.2			
DSJR500.1	500	3555	12	12	12	12 0.0			
DSJR500.5	500	58862	120	131	135	133 0.1			
DSJR500.1c	500	121275	126	195	349	257 0.3			
DSJC500.1	500	12458	5	13	23	14 3.5	13	33	
DSJC500.5	500	62624	13	62	128	63 11			
DSJC500.9	500	112437	101	148	284	182 0.7			
DSJC1000.1	1000	49629	5	22	38	26 26	22	500	
DSJC1000.5	1000	249826	15	112	265	128 27	112	2261	
DSJC1000.9	1000	449449	126	268	575	329 20			
flat300.20.0	300	21375	11	34	81	38 9.2	34	463	
flat300.28.0	300	21695	11	36	65	39 3.3	36	3222	
flat1000.76.0	1000	246708	14	112	223	127 24	112	1572	
fpso12.i.1	496	11654	65	65	85	78 0.1			
fpso12.i.2	451	8691	47	47	62	60 0.0			
fpso12.i.3	425	8688	55	55	80	79 0.0			
inithx.i.1	864	18707	54	54	70	66 0.1			
inithx.i.2	645	13979	30	93	158	93 7.2			
le450.15b	450	8169	15	15	17	16 0.3	15	107	
le450.15d	450	16750	15	16	30	22 9.6	16	599	
le450.25b	450	8263	25	25	25	25 0.0			
le450.25d	450	17425	25	27	31	27 29			
le450.5b	450	5734	5	5	12	7 7.2			
le450.5d	450	9757	5	8	18	8 15			
mug100.25	100	166	4	4	4	4 0.0			
mug88.25	88	146	4	4	4	4 0.0			
mulsol.i.1	197	3925	49	49	63	50 0.0			
mulsol.i.2	188	3885	31	48	58	48 0.1			
myciel6	95	755	7	7	11	7 0.0			
myciel7	191	2360	8	8	12	8 0.1			
qg_order40	1600	62400	40	40	64	42 22	40	47	
qg_order60	3600	212400	60	60	64	64 0.0	60	267	
queen8.12	96	1368	12	12	20	12 0.1			
queen9.9	81	1056	10	10	15	10 9.2			
queen10.10	100	1470	10	11	18	12 0.1	11	143	
school1	385	19095	15	15	49	15 12			
school1.nsh	352	14612	14	14	40	14 14			
wap01a	2368	110871	41	46	48	46 15			
wap02a	2464	111742	40	44	49	47 18	44	83	
wap03a	4730	286722	40	50	58	57 18	50	464	
abb313GPIA	1557	53356	8	9	17	13 28	10	283	
ash331GPIA	662	4181	3	4	8	4 2			
ash608GPIA	1216	7844	3	4	10	4 12			
ash958GPIA	1916	12506	3	4	10	5 11	4	41	
will1199GPIA	701	6772	7	7	9	7 2.2			