

Table 1:

**PO** = primitive only**DA1** = decomp, add 1 for all (including substeps)**DJA1** = decomp, just add 1 (not for substeps)**Dincvize** = decomp, incentivizing heuristic (abstracts cost less, no cost for substeps)

n'th plan	stat	PO	DA1	DJA1	Dincvize
1	run-time	0.07	0.31	0.65	0.98
1	nodes expanded	8	12	9	8
1	nodes visited	19	50	57	64
1	branches failed	0	0	0	0
1	max_decomp	0	0	1	2
2	run-time	0.18	0.52	1.61	1.53
2	nodes expanded	16	19	18	13
2	nodes visited	34	72	102	94
2	branches failed	6	6	20	0
2	max_decomp	0	0	1	2
3	run-time	0.59	1.51	2.78	2.33
3	nodes expanded	32	43	59	20
3	nodes visited	60	144	170	147
3	branches failed	36	38	40	0
3	max_decomp	0	0	1	2
4	run-time	0.96	2.83	3.51	2.80
4	nodes expanded	51	76	37	24
4	nodes visited	99	279	213	175
4	branches failed	53	58	52	0
4	max_decomp	0	0	1	2
5	run-time	6.84	2.88	4.54	21.95
5	nodes expanded	185	78	55	137
5	nodes visited	326	283	282	657
5	branches failed	429	60	80	204
5	max_decomp	0	1	0	1
6	run-time	7.30	4.36	45.98	22.23
6	nodes expanded	197	110	413	141
6	nodes visited	348	385	1662	676
6	branches failed	449	117	828	204
6	max_decomp	0	1	1	1
7	run-time	FAIL	5.13	46.02	22.73
7	nodes expanded	1935	126	415	147
7	nodes visited	FAIL	452	1666	718
7	branches failed	FAIL	124	830	204
7	max_decomp	FAIL	1	0	1
8	run-time	FAIL	5.83	59.46	22.96
8	nodes expanded	FAIL	134	517	150
8	nodes visited	FAIL	495	2103	735
8	branches failed	FAIL	136	1034	204
8	max_decomp	FAIL	1	2	1