

tempo: quality crewplanning-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	1440 1.00	1440 1.00	1440 1.00	1440 1.00	1440 1.00	2175 0.66	uns.	1440
02	1440 1.00	1440 1.00	1440 1.00	1440 1.00	1440 1.00	2340 0.62	uns.	1440
03	1440 1.00	1440 1.00	1440 1.00	1440 1.00	1440 1.00	2175 0.66	uns.	1440
04	1440 1.00	uns.	1440 1.00	1440 1.00	1440 1.00	2520 0.57	uns.	1440
05	1440 1.00	1440 1.00	1440 1.00	1440 1.00	1440 1.00	2460 0.59	uns.	1440
06	1575 0.91	uns.	1440 1.00	1455 0.99	1515 0.95	3180 0.45	uns.	1440
07	1815 0.79	uns.	1440 1.00	uns.	1755 0.82	3420 0.42	uns.	1440
08	1935 0.75	uns.	1560 0.93	1455 1.00	1935 0.75	3540 0.41	uns.	1455
09	1755 0.82	1440 1.00	1440 1.00	1440 1.00	1635 0.88	3300 0.44	uns.	1440
10	1995 0.72	uns.	1440 1.00	1440 1.00	1875 0.77	3540 0.41	uns.	1440
11	2235 0.64	uns.	1440 1.00	1860 0.77	2235 0.64	4440 0.32	uns.	1440
12	2475 0.59	uns.	1755 0.83	uns.	2475 0.59	4440 0.33	uns.	1455
13	2880 1.00	uns.	uns.	2880 1.00	2880 1.00	5055 0.57	uns.	2880
14	2880 1.00	uns.	uns.	2880 1.00	2880 1.00	5235 0.55	uns.	2880
15	2880 1.00	uns.	2880 1.00	2880 1.00	2880 1.00	5416 0.53	uns.	2880
16	uns.	uns.	uns.	uns.	3631 0.79	7051 0.41	uns.	2880
17	uns.	uns.	uns.	uns.	4111 0.70	uns.	uns.	2880
18	uns.	uns.	uns.	uns.	4231 0.69	uns.	uns.	2910
19	uns.	uns.	uns.	uns.	4395 0.66	8371 0.34	uns.	2880
20	uns.	uns.	uns.	uns.	5910 0.49	uns.	uns.	2880
21	uns.	uns.	uns.	uns.	6030 0.48	uns.	uns.	2910
22	4320 1.00	uns.	uns.	uns.	4320 1.00	8070 0.54	uns.	4320
23	4410 0.98	uns.	uns.	uns.	4410 0.98	8251 0.52	uns.	4320
24	4350 0.99	uns.	uns.	4320 1.00	4350 0.99	uns.	uns.	4320
25	uns.	uns.	uns.	uns.	8085 0.53	uns.	uns.	4320
26	uns.	uns.	uns.	uns.	8445 0.51	uns.	uns.	4320
27	uns.	uns.	uns.	uns.	8686 0.50	uns.	uns.	4320
28	uns.	uns.	uns.	uns.	9961 0.43	uns.	uns.	4320
29	uns.	uns.	uns.	uns.	10502 0.41	uns.	uns.	4320
30	uns.	uns.	uns.	uns.	10742 0.40	uns.	uns.	4320
total	16.21	5.00	12.76	13.76	22.97	9.34	0.00	

tempo: quality elevators-numeric — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	—	—	—	—	162 0.44	144 0.49	—	71
02	—	—	—	—	121 0.56	144 0.47	—	68
03	—	—	—	—	80 0.57	54 0.85	—	46
04	—	—	—	—	205 0.49	156 0.65	—	101
05	—	—	—	—	151 0.44	92 0.73	—	67
06	—	—	—	—	211 0.52	316 0.34	—	109
07	—	—	—	—	226 0.64	257 0.56	—	144
08	—	—	—	—	268 0.64	263 0.65	—	171
09	—	—	—	—	141 0.52	111 0.67	—	74
10	—	—	—	—	333 1.00	411 0.81	—	333
11	—	—	—	—	260 1.00	380 0.68	—	260
12	—	—	—	—	456 0.59	617 0.44	—	270
13	—	—	—	—	707 0.66	537 0.87	—	466
14	—	—	—	—	523 0.58	882 0.34	—	303
15	—	—	—	—	688 0.36	uns.	—	248
16	—	—	—	—	420 1.00	uns.	—	420
17	—	—	—	—	659 0.74	1074 0.45	—	488
18	—	—	—	—	751 1.00	1249 0.60	—	751
19	—	—	—	—	1425 0.25	uns.	—	352
20	—	—	—	—	841 0.75	uns.	—	628
21	—	—	—	—	757 0.83	635 0.99	—	629
22	—	—	—	—	570 0.49	404 0.69	—	278
23	—	—	—	—	796 0.60	uns.	—	477
24	—	—	—	—	939 0.51	uns.	—	475
25	—	—	—	—	1407 0.55	uns.	—	776
26	—	—	—	—	1043 0.71	uns.	—	736
27	—	—	—	—	1145 0.76	uns.	—	868
28	—	—	—	—	1607 0.21	uns.	—	335
29	—	—	—	—	1244 0.70	uns.	—	877
30	—	—	—	—	1762 0.70	uns.	—	1237
total	0.00	0.00	0.00	0.00	18.81	11.29	0.00	

tempo: quality elevators-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	210 0.34	71 1.00	83 0.86	71 1.00	210 0.34	137 0.52	—	71
02	122 0.56	uns.	71 0.96	69 0.99	122 0.56	193 0.35	—	68
03	66 0.70	47 0.98	64 0.72	47 0.98	96 0.48	132 0.35	—	46
04	163 0.62	uns.	101 1.00	uns.	173 0.58	130 0.78	—	101
05	110 0.61	uns.	72 0.93	uns.	158 0.42	134 0.50	—	67
06	248 0.44	uns.	109 1.00	uns.	273 0.40	uns.	—	109
07	144 1.00	uns.	uns.	uns.	246 0.59	490 0.29	—	144
08	185 0.92	uns.	171 1.00	uns.	269 0.64	406 0.42	—	171
09	216 0.34	uns.	uns.	uns.	148 0.50	361 0.20	—	74
10	397 0.84	uns.	uns.	uns.	365 0.91	558 0.60	—	333
11	305 0.85	uns.	uns.	uns.	270 0.96	435 0.60	—	260
12	438 0.62	uns.	uns.	uns.	460 0.59	613 0.44	—	270
13	466 1.00	uns.	uns.	uns.	704 0.66	552 0.84	—	466
14	505 0.60	uns.	uns.	uns.	550 0.55	uns.	—	303
15	812 0.31	uns.	uns.	uns.	774 0.32	uns.	—	248
16	456 0.92	uns.	uns.	uns.	529 0.79	uns.	—	420
17	488 1.00	uns.	uns.	uns.	812 0.60	uns.	—	488
18	788 0.95	uns.	uns.	uns.	845 0.89	1513 0.50	—	751
19	866 0.41	uns.	uns.	uns.	1407 0.25	uns.	—	352
20	628 1.00	uns.	uns.	uns.	864 0.73	uns.	—	628
21	629 1.00	uns.	uns.	uns.	724 0.87	712 0.88	—	629
22	400 0.69	uns.	uns.	uns.	530 0.52	uns.	—	278
23	477 1.00	uns.	uns.	uns.	748 0.64	uns.	—	477
24	475 1.00	uns.	uns.	uns.	695 0.68	uns.	—	475
25	776 1.00	uns.	uns.	uns.	1281 0.61	uns.	—	776
26	736 1.00	uns.	uns.	uns.	907 0.81	uns.	—	736
27	868 1.00	uns.	uns.	uns.	1036 0.84	uns.	—	868
28	862 0.39	uns.	uns.	uns.	1211 0.28	uns.	—	335
29	877 1.00	uns.	uns.	uns.	1373 0.64	uns.	—	877
30	1237 1.00	uns.	uns.	uns.	1500 0.82	uns.	—	1237
total	23.10	1.98	6.46	2.96	18.47	7.27	0.00	

tempo: quality modeltrain-numeric — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	⁴⁷⁹ 0.63	—	—	—	³⁹⁵ 0.76	⁴⁴⁰ 0.68	—	300
02	¹²³⁸ 0.51	—	—	—	¹⁰²⁰ 0.62	uns.	—	634
03	uns.	—	—	—	uns.	uns.	—	634
04	uns.	—	—	—	uns.	uns.	—	—
05	uns.	—	—	—	¹²⁶⁹ 0.73	uns.	—	922
06	uns.	—	—	—	uns.	uns.	—	916
07	uns.	—	—	—	uns.	uns.	—	—
08	uns.	—	—	—	uns.	uns.	—	—
09	uns.	—	—	—	¹⁶⁵⁴ 0.61	uns.	—	1015
10	uns.	—	—	—	uns.	uns.	—	—
11	uns.	—	—	—	uns.	uns.	—	1090
12	uns.	—	—	—	uns.	uns.	—	—
13	uns.	—	—	—	uns.	uns.	—	—
14	uns.	—	—	—	uns.	uns.	—	—
15	⁴⁸⁴ 0.74	—	—	—	⁴²⁸ 0.83	⁴⁴⁵ 0.80	—	357
16	²⁴⁹ 0.96	—	—	—	²³⁹ 1.00	uns.	—	239
17	³⁴⁹ 1.00	—	—	—	³⁴⁹ 1.00	uns.	—	349
18	³⁹⁶ 0.88	—	—	—	⁴⁸¹ 0.72	uns.	—	348
19	⁴⁸⁹ 0.80	—	—	—	⁴¹⁵ 0.94	uns.	—	389
20	⁴⁷² 0.96	—	—	—	⁵⁹⁸ 0.76	uns.	—	453
21	⁹⁷⁰ 0.66	—	—	—	⁹⁶³ 0.66	uns.	—	636
22	⁷⁶² 0.81	—	—	—	¹⁰⁵⁷ 0.58	uns.	—	615
23	⁶⁶⁵ 0.67	—	—	—	⁶²² 0.72	uns.	—	447
24	uns.	—	—	—	⁸³² 0.66	uns.	—	549
25	⁴⁹⁵ 0.75	—	—	—	⁴⁷² 0.78	uns.	—	370
26	⁸⁷⁰ 0.83	—	—	—	¹⁴⁸⁰ 0.49	uns.	—	726
27	⁶⁴³ 0.85	—	—	—	¹⁰²⁷ 0.53	uns.	—	547
28	uns.	—	—	—	uns.	uns.	—	644
29	⁷²⁷ 0.96	—	—	—	uns.	uns.	—	699
30	uns.	—	—	—	¹²³⁹ 0.61	uns.	—	757
total	12.00	0.00	0.00	0.00	13.01	1.48	0.00	

tempo: quality openstacks-adl — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	⁸⁷ 0.97	—	—	—	⁸⁷ 0.97	¹⁴⁵ 0.58	—	84
02	¹⁵⁷ 0.73	—	—	—	¹⁶⁸ 0.68	⁴⁰⁶ 0.28	—	114
03	¹⁴⁸ 0.57	—	—	—	¹⁷⁰ 0.50	³⁰⁷ 0.28	—	85
04	¹⁴⁸ 0.59	—	—	—	¹³¹ 0.66	²⁵⁸ 0.34	—	87
05	¹¹⁶ 0.76	—	—	—	¹¹⁵ 0.77	³⁰⁸ 0.29	—	88
06	¹⁷⁹ 0.58	—	—	—	¹⁹⁵ 0.53	²⁹¹ 0.35	—	103
07	¹¹² 0.91	—	—	—	¹⁶⁸ 0.61	⁴²² 0.24	—	102
08	¹⁶⁹ 0.61	—	—	—	¹⁷⁸ 0.58	⁴⁵⁴ 0.23	—	103
09	¹²⁴ 0.76	—	—	—	¹⁹⁹ 0.47	⁴⁸³ 0.19	—	94
10	²¹⁴ 0.49	—	—	—	²¹⁴ 0.49	⁶³⁴ 0.16	—	104
11	¹⁷⁶ 0.54	—	—	—	²⁰¹ 0.47	⁵⁰⁸ 0.19	—	95
12	¹³⁹ 0.76	—	—	—	³⁶⁸ 0.29	⁶⁶⁷ 0.16	—	106
13	²²³ 0.49	—	—	—	³¹⁸ 0.35	⁷⁹⁸ 0.14	—	110
14	¹³⁹ 0.73	—	—	—	²⁶⁵ 0.38	⁴⁸⁸ 0.21	—	102
15	¹³⁵ 0.76	—	—	—	²⁷⁹ 0.37	⁷⁶⁹ 0.13	—	102
16	¹²⁰ 0.80	—	—	—	²⁸⁸ 0.33	⁷⁵³ 0.13	—	96
17	¹⁹⁵ 0.59	—	—	—	³⁹⁶ 0.29	⁸⁸¹ 0.13	—	118
18	²⁸¹ 0.39	—	—	—	²⁹⁵ 0.37	⁹⁷⁴ 0.11	—	120
19	¹⁹⁵ 0.59	—	—	—	³⁰⁵ 0.38	⁹⁶³ 0.12	—	116
20	²⁵³ 0.43	—	—	—	³⁹⁷ 0.28	⁹⁶⁶ 0.11	—	112
21	²⁵⁹ 0.43	—	—	—	⁴⁰⁸ 0.27	¹⁰²⁵ 0.11	—	112
22	¹⁹⁷ 0.63	—	—	—	⁴³² 0.29	⁸⁷⁶ 0.14	—	127
23	²⁰⁷ 0.57	—	—	—	⁵⁶⁶ 0.21	⁹⁷⁹ 0.12	—	121
24	²⁸⁶ 0.43	—	—	—	⁴⁹³ 0.25	¹³⁴⁸ 0.09	—	130
25	²¹¹ 0.54	—	—	—	⁴⁴¹ 0.26	¹²⁰² 0.09	—	114
26	²⁴³ 0.47	—	—	—	⁴⁴⁶ 0.25	¹¹⁸¹ 0.10	—	120
27	²⁶¹ 0.48	—	—	—	³¹² 0.40	⁹⁰² 0.14	—	124
28	²¹⁶ 0.57	—	—	—	⁵⁰⁷ 0.24	¹⁴¹² 0.09	—	129
29	²¹⁸ 0.52	—	—	—	⁴³⁶ 0.26	¹³⁷⁵ 0.08	—	113
30	²⁶⁵ 0.50	—	—	—	³⁸⁷ 0.34	¹⁴²⁴ 0.09	—	134
total	18.20	0.00	0.00	0.00	12.54	5.43	0.00	

tempo: quality openstacks-numeric — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST	
01	—	—	—	—	85	0.99	132 0.64	—	84
02	—	—	—	—	168	0.68	163 0.70	—	114
03	—	—	—	—	168	0.51	143 0.59	—	85
04	—	—	—	—	130	0.67	128 0.68	—	87
05	—	—	—	—	89	0.99	102 0.86	—	88
06	—	—	—	—	191	0.54	103 1.00	—	103
07	—	—	—	—	161	0.63	105 0.97	—	102
08	—	—	—	—	173	0.60	103 1.00	—	103
09	—	—	—	—	193	0.49	152 0.62	—	94
10	—	—	—	—	206	0.50	104 1.00	—	104
11	—	—	—	—	198	0.48	95 1.00	—	95
12	—	—	—	—	360	0.29	114 0.93	—	106
13	—	—	—	—	308	0.36	110 1.00	—	110
14	—	—	—	—	260	0.39	102 1.00	—	102
15	—	—	—	—	272	0.38	145 0.70	—	102
16	—	—	—	—	280	0.34	99 0.97	—	96
17	—	—	—	—	389	0.30	144 0.81	—	118
18	—	—	—	—	285	0.39	145 0.76	—	120
19	—	—	—	—	295	0.39	133 0.87	—	116
20	—	—	—	—	386	0.28	112 0.98	—	112
21	—	—	—	—	398	0.28	124 0.90	—	112
22	—	—	—	—	418	0.30	127 0.98	—	127
23	—	—	—	—	561	0.21	127 0.94	—	121
24	—	—	—	—	482	0.26	164 0.76	—	130
25	—	—	—	—	428	0.27	143 0.80	—	114
26	—	—	—	—	432	0.26	125 0.90	—	120
27	—	—	—	—	294	0.42	124 1.00	—	124
28	—	—	—	—	494	0.25	143 0.87	—	129
29	—	—	—	—	417	0.27	113 1.00	—	113
30	—	—	—	—	368	0.36	146 0.90	—	134
total	0.00	0.00	0.00	0.00	13.07		26.14	0.00	

tempo: quality openstacks-numericadl — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST	
01	—	—	—	—	85	0.99	132 0.64	—	84
02	—	—	—	—	168	0.68	163 0.70	—	114
03	—	—	—	—	168	0.51	144 0.59	—	85
04	—	—	—	—	130	0.67	128 0.68	—	87
05	—	—	—	—	89	0.99	102 0.86	—	88
06	—	—	—	—	191	0.54	105 0.98	—	103
07	—	—	—	—	161	0.63	105 0.97	—	102
08	—	—	—	—	173	0.60	103 1.00	—	103
09	—	—	—	—	193	0.49	152 0.62	—	94
10	—	—	—	—	206	0.50	104 1.00	—	104
11	—	—	—	—	198	0.48	99 0.96	—	95
12	—	—	—	—	360	0.29	114 0.93	—	106
13	—	—	—	—	308	0.36	110 1.00	—	110
14	—	—	—	—	260	0.39	102 1.00	—	102
15	—	—	—	—	272	0.38	145 0.70	—	102
16	—	—	—	—	280	0.34	99 0.97	—	96
17	—	—	—	—	389	0.30	144 0.81	—	118
18	—	—	—	—	285	0.39	145 0.76	—	120
19	—	—	—	—	295	0.39	133 0.87	—	116
20	—	—	—	—	386	0.28	113 0.97	—	112
21	—	—	—	—	398	0.28	124 0.90	—	112
22	—	—	—	—	418	0.30	127 0.98	—	127
23	—	—	—	—	561	0.21	127 0.94	—	121
24	—	—	—	—	482	0.26	164 0.76	—	130
25	—	—	—	—	428	0.27	143 0.80	—	114
26	—	—	—	—	432	0.26	125 0.90	—	120
27	—	—	—	—	294	0.42	125 0.99	—	124
28	—	—	—	—	494	0.25	143 0.87	—	129
29	—	—	—	—	417	0.27	113 1.00	—	113
30	—	—	—	—	368	0.36	146 0.90	—	134
total	0.00	0.00	0.00	0.00	13.07		26.06	0.00	

tempo: quality openstacks-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	⁸⁷ 0.97	⁸⁴ 1.00	⁸⁵ 0.99	⁸⁴ 1.00	⁸⁷ 0.97	¹⁴⁵ 0.58	—	84
02	¹⁵⁷ 0.73	¹¹⁴ 1.00	¹⁴⁵ 0.79	uns.	¹⁶⁸ 0.68	⁴⁰⁶ 0.28	—	114
03	¹⁴⁸ 0.57	⁸⁵ 1.00	⁸⁷ 0.98	⁸⁵ 1.00	¹⁷⁰ 0.50	³⁰⁷ 0.28	—	85
04	¹⁴⁸ 0.59	⁸⁷ 1.00	⁸⁷ 1.00	⁸⁷ 1.00	¹³¹ 0.66	²⁵⁸ 0.34	—	87
05	¹¹⁶ 0.76	uns.	uns.	uns.	¹¹⁵ 0.77	³⁰⁸ 0.29	—	88
06	¹⁷⁹ 0.58	uns.	uns.	uns.	¹⁹⁵ 0.53	²⁹¹ 0.35	—	103
07	¹¹² 0.91	uns.	¹⁹⁴ 0.53	¹⁰² 1.00	¹⁶⁸ 0.61	⁴²² 0.24	—	102
08	¹⁶⁹ 0.61	uns.	¹³⁹ 0.74	uns.	¹⁷⁸ 0.58	⁴⁵⁴ 0.23	—	103
09	¹²⁴ 0.76	uns.	uns.	uns.	¹⁹⁹ 0.47	⁴⁸³ 0.19	—	94
10	²¹⁴ 0.49	uns.	uns.	uns.	²¹⁴ 0.49	⁶³⁴ 0.16	—	104
11	¹⁷⁶ 0.54	uns.	uns.	uns.	²⁰¹ 0.47	⁵⁰⁸ 0.19	—	95
12	¹³⁹ 0.76	uns.	uns.	uns.	³⁶⁸ 0.29	⁶⁶⁷ 0.16	—	106
13	²²³ 0.49	uns.	¹⁶⁶ 0.66	uns.	³¹⁸ 0.35	⁷⁹⁸ 0.14	—	110
14	¹³⁹ 0.73	uns.	uns.	uns.	²⁶⁵ 0.38	⁴⁸⁸ 0.21	—	102
15	¹³⁵ 0.76	uns.	uns.	uns.	²⁷⁹ 0.37	⁷⁶⁹ 0.13	—	102
16	¹²⁰ 0.80	uns.	²³⁵ 0.41	uns.	²⁸⁸ 0.33	⁷⁵³ 0.13	—	96
17	¹⁹⁵ 0.59	uns.	uns.	uns.	³⁹⁶ 0.29	⁸⁸¹ 0.13	—	118
18	²⁸¹ 0.39	uns.	⁴⁶² 0.24	uns.	²⁹⁵ 0.37	⁹⁷⁴ 0.11	—	120
19	¹⁹⁵ 0.59	uns.	uns.	uns.	³⁰⁵ 0.38	⁹⁶³ 0.12	—	116
20	²⁵³ 0.43	uns.	uns.	uns.	³⁹⁷ 0.28	⁹⁶⁶ 0.11	—	112
21	²⁵⁹ 0.43	uns.	uns.	uns.	⁴⁰⁸ 0.27	¹⁰²⁵ 0.11	—	112
22	¹⁹⁷ 0.63	uns.	uns.	uns.	⁴³² 0.29	⁸⁷⁶ 0.14	—	127
23	²⁰⁷ 0.57	uns.	uns.	uns.	⁵⁶⁶ 0.21	⁹⁷⁹ 0.12	—	121
24	²⁸⁶ 0.43	uns.	¹⁷³ 0.72	uns.	⁴⁹³ 0.25	¹³⁴⁸ 0.09	—	130
25	²¹¹ 0.54	uns.	uns.	uns.	⁴⁴¹ 0.26	¹²⁰² 0.09	—	114
26	²⁴³ 0.47	uns.	uns.	uns.	⁴⁴⁶ 0.25	¹¹⁸¹ 0.10	—	120
27	²⁶¹ 0.48	uns.	uns.	uns.	³¹² 0.40	⁹⁰² 0.14	—	124
28	²¹⁶ 0.57	uns.	uns.	uns.	⁵⁰⁷ 0.24	¹⁴¹² 0.09	—	129
29	²¹⁸ 0.52	uns.	uns.	uns.	⁴³⁶ 0.26	¹³⁷⁵ 0.08	—	113
30	²⁶⁵ 0.50	uns.	uns.	uns.	³⁸⁷ 0.34	¹⁴²⁴ 0.09	—	134
total	18.20	4.00	7.04	4.00	12.54	5.43	0.00	

tempo: quality parcprinter-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	84041 0.82	69011 1.00	69011 1.00	69011 1.00	84041 0.82	69010 1.00	84040 0.82	69010
02	135080 0.62	84041 1.00	84041 1.00	84041 1.00	135080 0.62	109052 0.77	uns.	84041
03	186119 0.58	186119 0.58	186119 0.58	uns.	186119 0.58	206808 0.52	uns.	108039
04	237158 0.41	135080 0.71	135080 0.71	uns.	237158 0.41	uns.	uns.	96055
05	288197 0.39	186119 0.60	186119 0.60	uns.	288197 0.39	uns.	uns.	112055
06	349394 0.38	uns.	uns.	uns.	339236 0.39	uns.	uns.	132040
07	390275 0.30	157379 0.74	uns.	uns.	390275 0.30	uns.	uns.	117011
08	441314 0.32	uns.	uns.	uns.	441314 0.32	uns.	uns.	140054
09	522827 0.28	uns.	uns.	uns.	492353 0.30	uns.	uns.	148041
10	563708 0.31	uns.	uns.	uns.	543392 0.32	uns.	uns.	176036
11	142851 0.58	82812 1.00	82812 1.00	82812 1.00	142851 0.58	82811 1.00	uns.	82811
12	175949 0.82	143951 1.00	150450 0.96	177049 0.81	188339 0.76	uns.	uns.	143951
13	uns.	145450 1.00	uns.	145450 1.00	233827 0.62	uns.	uns.	145450
14	242145 0.63	153620 1.00	153620 1.00	153620 1.00	uns.	uns.	uns.	153620
15	452109 0.68	309499 1.00	uns.	uns.	uns.	uns.	uns.	309499
16	308341 0.61	186918 1.00	186918 1.00	uns.	uns.	uns.	uns.	186918
17	341439 0.54	uns.	uns.	uns.	uns.	uns.	uns.	185879
18	374537 0.58	uns.	uns.	uns.	uns.	uns.	uns.	218316
19	uns.	uns.	uns.	uns.	uns.	uns.	uns.	326640
20	635246 0.51	uns.	uns.	uns.	uns.	uns.	uns.	323858
21	47512 0.91	43414 1.00	43414 1.00	43414 1.00	47512 0.91	43413 1.00	47511 0.91	43413
22	85301 0.58	49673 1.00	49673 1.00	uns.	53635 0.93	88573 0.56	uns.	49673
23	123090 0.48	81203 0.73	uns.	uns.	123090 0.48	129745 0.46	uns.	59671
24	160879 0.40	88087 0.73	88087 0.73	uns.	160879 0.40	181550 0.35	uns.	64171
25	259953 0.46	155780 0.77	155780 0.77	uns.	245954 0.49	uns.	uns.	119460
26	236457 0.36	162279 0.52	uns.	uns.	236457 0.36	uns.	uns.	84932
27	274246 0.34	158280 0.59	158280 0.59	uns.	274246 0.34	uns.	uns.	92672
28	312035 0.32	236358 0.42	uns.	uns.	312035 0.32	uns.	uns.	98968
29	418830 0.38	344725 0.46	uns.	uns.	400109 0.40	uns.	uns.	158978
30	447399 0.27	231358 0.52	uns.	uns.	uns.	uns.	uns.	120252
total	13.87	17.38	11.93	6.81	11.04	5.67	1.73	

tempo: quality pegsol-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	⁴ 1.00	⁴ 1.00	⁴ 1.00	⁴ 1.00	⁴ 1.00	⁴ 1.00	⁴ 1.00	4
02	⁴ 1.00	⁴ 1.00	uns.	uns.	⁴ 1.00	⁴ 1.00	⁴ 1.00	4
03	⁵ 1.00	⁵ 1.00	uns.	uns.	⁵ 1.00	⁵ 1.00	⁵ 1.00	5
04	⁵ 1.00	⁵ 1.00	⁵ 1.00	⁵ 1.00	⁵ 1.00	⁵ 1.00	⁵ 1.00	5
05	⁶ 1.00	⁶ 1.00	⁶ 1.00	uns.	⁶ 1.00	⁶ 1.00	uns.	6
06	⁶ 1.00	⁶ 1.00	uns.	uns.	⁹ 0.67	⁷ 0.86	uns.	6
07	⁷ 1.00	⁷ 1.00	uns.	uns.	⁷ 1.00	⁷ 1.00	uns.	7
08	⁶ 1.00	⁶ 1.00	uns.	uns.	⁹ 0.67	⁸ 0.75	uns.	6
09	⁷ 1.00	⁷ 1.00	uns.	uns.	⁷ 1.00	¹⁰ 0.70	uns.	7
10	⁷ 0.86	⁶ 1.00	⁶ 1.00	uns.	⁷ 0.86	⁷ 0.86	uns.	6
11	⁹ 0.78	⁷ 1.00	uns.	uns.	⁸ 0.88	⁷ 1.00	uns.	7
12	⁹ 0.78	⁷ 1.00	uns.	uns.	⁹ 0.78	⁸ 0.88	uns.	7
13	⁷ 0.86	⁶ 1.00	uns.	uns.	⁶ 1.00	⁹ 0.67	uns.	6
14	⁹ 0.78	⁷ 1.00	uns.	⁷ 1.00	uns.	⁹ 0.78	uns.	7
15	⁸ 0.75	⁶ 1.00	⁶ 1.00	uns.	⁹ 0.67	⁸ 0.75	uns.	6
16	⁹ 1.00	⁹ 1.00	uns.	uns.	¹¹ 0.82	¹¹ 0.82	uns.	9
17	¹¹ 0.82	⁹ 1.00	uns.	uns.	uns.	¹² 0.75	uns.	9
18	¹⁰ 1.00	¹⁰ 1.00	uns.	uns.	¹² 0.83	¹⁰ 1.00	uns.	10
19	⁸ 0.88	⁷ 1.00	uns.	uns.	uns.	⁹ 0.78	uns.	7
20	¹⁰ 0.70	⁷ 1.00	⁷ 1.00	uns.	¹⁰ 0.70	⁹ 0.78	uns.	7
21	¹¹ 0.64	⁷ 1.00	uns.	⁷ 1.00	uns.	¹⁰ 0.70	uns.	7
22	¹⁰ 0.80	⁸ 1.00	⁸ 1.00	⁹ 0.89	uns.	⁸ 1.00	uns.	8
23	¹⁰ 0.70	⁷ 1.00	uns.	uns.	uns.	¹⁰ 0.70	uns.	7
24	¹⁰ 0.70	⁷ 1.00	⁷ 1.00	⁷ 1.00	uns.	¹⁰ 0.70	uns.	7
25	⁹ 0.78	⁷ 1.00	⁷ 1.00	uns.	uns.	¹¹ 0.64	uns.	7
26	¹³ 0.62	⁸ 1.00	⁹ 0.89	⁸ 1.00	¹⁵ 0.53	⁹ 0.89	uns.	8
27	¹³ 0.54	⁷ 1.00	⁷ 1.00	⁷ 1.00	uns.	¹² 0.58	uns.	7
28	¹⁴ 0.64	⁹ 1.00	uns.	⁹ 1.00	uns.	uns.	uns.	9
29	¹² 0.75	⁹ 1.00	⁹ 1.00	⁹ 1.00	uns.	¹² 0.75	uns.	9
30	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
total	24.35	29.00	11.89	9.89	15.39	23.32	4.00	

tempo: quality sokoban-strips — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	²⁵ 0.76	¹⁹ 1.00	uns.	uns.	²⁵ 0.76	³⁰ 0.63	uns.	19
02	⁹⁰ 1.00	uns.	uns.	uns.	uns.	uns.	uns.	90
03	³³ 1.00	uns.	uns.	uns.	uns.	⁴⁶ 0.72	uns.	33
04	¹⁷ 0.82	¹⁴ 1.00	uns.	uns.	¹⁶ 0.88	¹⁴ 1.00	uns.	14
05	³⁵ 0.94	uns.	uns.	uns.	³⁵ 0.94	³³ 1.00	uns.	33
06	²⁴ 0.58	¹⁴ 1.00	¹⁴ 1.00	uns.	uns.	uns.	uns.	14
07	²⁵ 1.00	uns.	uns.	uns.	uns.	⁵³ 0.47	uns.	25
08	²¹ 1.00	uns.	uns.	uns.	uns.	²⁵ 0.84	uns.	21
09	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
10	²¹ 1.00	uns.	uns.	uns.	uns.	uns.	uns.	21
11	¹⁴ 1.00	¹⁴ 1.00	uns.	uns.	¹⁴ 1.00	¹⁴ 1.00	uns.	14
12	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
13	¹² 1.00	¹² 1.00	uns.	¹² 1.00	¹² 1.00	¹⁴ 0.86	uns.	12
14	¹⁷ 1.00	uns.	uns.	uns.	uns.	uns.	uns.	17
15	¹² 1.00	uns.	uns.	uns.	¹² 1.00	²³ 0.52	uns.	12
16	⁴³ 0.98	uns.	uns.	uns.	⁴² 1.00	uns.	uns.	42
17	⁴⁸ 1.00	uns.	uns.	uns.	uns.	uns.	uns.	48
18	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
19	²⁹ 1.00	uns.	uns.	uns.	³³ 0.88	³¹ 0.94	uns.	29
20	³⁰ 0.93	uns.	uns.	uns.	²⁸ 1.00	⁴⁷ 0.60	uns.	28
21	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
22	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
23	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
24	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
25	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
26	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
27	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
28	²¹ 0.86	uns.	uns.	uns.	²¹ 0.86	¹⁸ 1.00	uns.	18
29	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
30	uns.	uns.	uns.	uns.	uns.	uns.	uns.	—
total	16.88	5.00	1.00	1.00	9.31	9.57	0.00	

tempo: quality transport-numeric — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	⁵² 1.00	—	—	—	⁵² 1.00	⁵² 1.00	—	52
02	²¹⁷ 0.57	—	—	—	²¹⁷ 0.57	²⁰⁸ 0.59	—	123
03	²⁴³ 0.78	—	—	—	⁴³² 0.44	⁶⁶⁹ 0.28	—	189
04	uns.	—	—	—	⁸⁴⁵ 0.39	uns.	—	332
05	uns.	—	—	—	³⁵⁹ 0.73	uns.	—	263
06	uns.	—	—	—	⁹⁶⁵ 0.27	uns.	—	260
07	uns.	—	—	—	uns.	uns.	—	—
08	uns.	—	—	—	uns.	uns.	—	—
09	uns.	—	—	—	uns.	uns.	—	—
10	uns.	—	—	—	uns.	uns.	—	—
11	⁶²⁹ 0.87	—	—	—	⁶²⁹ 0.87	⁵⁴⁹ 1.00	—	549
12	⁸¹⁷ 1.00	—	—	—	⁸¹⁷ 1.00	⁹⁸² 0.83	—	817
13	¹²¹⁶ 0.53	—	—	—	⁶⁵⁰ 1.00	³³⁸³ 0.19	—	650
14	²⁰⁵⁹ 1.00	—	—	—	uns.	uns.	—	2059
15	uns.	—	—	—	²²⁴⁹ 1.00	uns.	—	2249
16	uns.	—	—	—	¹⁸⁷⁵ 1.00	uns.	—	1875
17	uns.	—	—	—	³³³¹ 1.00	uns.	—	3331
18	uns.	—	—	—	uns.	uns.	—	—
19	uns.	—	—	—	uns.	uns.	—	—
20	uns.	—	—	—	⁶³⁶² 1.00	uns.	—	6362
21	¹¹³ 0.56	—	—	—	¹¹³ 0.56	¹⁶¹ 0.39	—	63
22	²³⁸ 0.39	—	—	—	²³⁸ 0.39	uns.	—	94
23	⁴²³ 0.29	—	—	—	⁶⁴² 0.19	uns.	—	123
24	¹⁰¹⁹ 0.14	—	—	—	¹¹¹⁶ 0.13	uns.	—	140
25	¹⁴⁰⁴ 0.11	—	—	—	uns.	uns.	—	156
26	uns.	—	—	—	uns.	uns.	—	—
27	uns.	—	—	—	uns.	uns.	—	—
28	uns.	—	—	—	uns.	uns.	—	—
29	uns.	—	—	—	uns.	uns.	—	—
30	uns.	—	—	—	uns.	uns.	—	—
total	7.24	0.00	0.00	0.00	11.54	4.29	0.00	

tempo: quality woodworking-numeric — IPC 2008

no	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp	BEST
01	90 0.56	—	—	—	90 0.56	90 0.56	—	50
02	120 0.50	—	—	—	uns.	90 0.67	—	60
03	150 0.47	—	—	—	150 0.47	130 0.54	—	70
04	180 0.33	—	—	—	180 0.33	150 0.40	—	60
05	210 0.33	—	—	—	uns.	180 0.39	—	70
06	240 0.29	—	—	—	uns.	210 0.33	—	70
07	270 0.26	—	—	—	uns.	260 0.27	—	70
08	300 0.23	—	—	—	uns.	270 0.26	—	70
09	330 0.21	—	—	—	uns.	330 0.21	—	70
10	360 0.19	—	—	—	uns.	360 0.19	—	70
11	71 0.70	—	—	—	70 0.71	71 0.70	—	50
12	90 0.74	—	—	—	91 0.74	80 0.84	—	67
13	170 0.44	—	—	—	168 0.45	160 0.47	—	75
14	182 0.41	—	—	—	161 0.47	160 0.47	—	75
15	222 0.41	—	—	—	226 0.41	217 0.42	—	92
16	223 0.41	—	—	—	222 0.41	223 0.41	—	91
17	250 0.38	—	—	—	259 0.37	250 0.38	—	95
18	199 0.40	—	—	—	200 0.40	206 0.39	—	80
19	316 0.44	—	—	—	313 0.44	316 0.44	—	138
20	315 0.43	—	—	—	318 0.43	312 0.44	—	136
21	111 0.64	—	—	—	115 0.62	126 0.56	—	71
22	130 0.62	—	—	—	137 0.59	105 0.77	—	81
23	218 0.53	—	—	—	138 0.83	286 0.40	—	115
24	220 0.64	—	—	—	261 0.54	331 0.43	—	141
25	263 0.34	—	—	—	242 0.37	305 0.29	—	89
26	391 0.32	—	—	—	626 0.20	415 0.30	—	125
27	uns.	—	—	—	447 0.26	302 0.38	—	115
28	592 0.33	—	—	—	689 0.29	875 0.23	—	197
29	390 0.39	—	—	—	481 0.32	uns.	—	152
30	492 0.22	—	—	—	369 0.30	608 0.18	—	110
total	12.19	0.00	0.00	0.00	10.48	12.31	0.00	

tempo: quality overall — IPC 2008

formulation	base	cpt3	dae1	dae2	sgplan6	temporal-fast-downward	tlp-gp
crewplanning-strips	16.21	5.00	12.76	13.76	22.97	9.34	0.00
elevators-numeric	—	—	—	—	18.81	11.29	—
elevators-strips	23.10	1.98	6.46	2.96	(18.47)	(7.27)	—
modeltrain-numeric	12.00	—	—	—	13.01	1.48	—
openstacks-adl	18.20	—	—	—	(12.54)	(5.43)	—
openstacks-numeric	—	—	—	—	13.07	26.14	—
openstacks-numericadl	—	—	—	—	(13.07)	(26.06)	—
openstacks-strips	(18.20)	4.00	7.04	4.00	(12.54)	(5.43)	—
parcprinter-strips	13.87	17.38	11.93	6.81	11.04	5.67	1.73
pegsol-strips	24.35	29.00	11.89	9.89	15.39	23.32	4.00
sokoban-strips	16.88	5.00	1.00	1.00	9.31	9.57	0.00
transport-numeric	7.24	—	—	—	11.54	4.29	—
woodworking-numeric	12.19	—	—	—	10.48	12.31	—
overall	144.04	62.35	51.09	38.43	125.63	103.41	5.73