

Monolithic Results

Instance Name	A*(GNN)			BFS		
	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]
Assemble.B10-pl.5	–	–	TO	–	–	TO
Assemble.B2-pl.5	5	14	285	5	14	287
Assemble.B3-pl.5	5	14	308	5	14	302
Assemble.B4-pl.5	5	14	330	5	14	357
Assemble.B5-pl.5	5	14	475	5	14	448
Assemble.B6-pl.5	5	14	1127	5	14	1190
Assemble.B7-pl.5	5	14	9894	5	14	10020
Assemble.B8-pl.5	5	14	48340	5	14	49503
Assemble.B9-pl.5	–	–	TO	–	–	TO
Assemble.C-pl.5	5	14	238	5	14	257
CC_2.2.3-pl.3	3	9	181	4	10	184
CC_2.2.3-pl.4	4	14	171	4	9	182
CC_2.2.3-pl.5	5	77	684	7	28	255
CC_2.2.3-pl.6	6	178	1532	7	25	291
CC_2.2.3-pl.7	7	558	4358	44	363	2249
CC_2.2.3-pl.8	8	2539	27312	–	–	TO
CC_2.2.4-pl.3	3	11	373	4	9	370
CC_2.2.4-pl.4	4	23	778	7	28	866
CC_2.2.4-pl.5	5	94	3483	12	70	2787
CC_2.2.4-pl.6	6	363	9536	13	79	2764
CC_2.2.4-pl.7	7	2084	45668	–	–	TO
CC_2.3.4-pl.3	3	19	6067	24	199	49682
CC_2.3.4-pl.4	4	42	12130	24	201	49087
CC_2.3.4-pl.5	5	127	45028	13	85	27215
CC_2.3.4-pl.6	6	675	124726	29	256	56262
CC_2.3.4-pl.7	7	4153	585278	–	–	TO
CC_3.2.3-pl.3	3	14	318	9	48	533
CC_3.2.3-pl.4	4	47	689	5	16	254
CC_3.2.3-pl.5	5	136	2088	8	39	500
CC_3.2.3-pl.6	6	367	6443	6	21	323
CC_3.2.3-pl.7	7	1548	26110	–	–	TO
CC_3.3.3-pl.3	3	15	790	5	17	828
CC_3.3.3-pl.4	4	39	1337	4	10	599

CC_3.3.3-pl.5	5	253	8316	18	137	3073
CC_3.3.3-pl.6	6	1942	73680	31	279	5961
CC_3.3.3-pl.7	7	11726	405444	–	–	TO
Coin_in_the_Box-pl.2	2	2	109	2	2	106
Coin_in_the_Box-pl.3	3	17	228	4	12	201
Coin_in_the_Box-pl.5	5	78	728	5	16	265
Coin_in_the_Box-pl.6	6	381	3760	–	–	TO
Coin_in_the_Box-pl.7	7	1793	17758	–	–	TO
SC_4.1-pl.3	3	4	96	3	4	109
SC_4.1-pl.5	5	17	93	–	–	TO
SC_4.2-pl.5	5	30	184	–	–	TO
SC_4.2-pl.7	7	97	533	–	–	TO
SC_4.2-pl.8	8	184	923	–	–	TO
SC_4.3-pl.5	5	17	98	–	–	TO
SC_4.3-pl.6	6	21	93	–	–	TO
SC_4.3-pl.8	8	59	177	–	–	TO
SC_4.4-pl.5	5	17	91	–	–	TO
SC_8.10-pl.6	6	113	882	1951	24489	384947
SC_8.10-pl.8	8	485	4121	–	–	TO
SC_8.10-pl.9	9	1772	16936	–	–	TO
SC_8.10-pl.12	12	35063	281914	–	–	TO
SC_9.11-pl.4	4	8	139	6	13	150
SC_9.11-pl.5	5	11	122	8	21	189
SC_9.11-pl.6	6	26	198	509	5116	48319
SC_9.11-pl.7	7	41	326	1286	15107	202732
SC_9.11-pl.8	8	66	500	1099	12447	152051
SC_9.11-pl.9	9	237	2041	–	–	TO
SC_9.11-pl.10	10	657	6013	–	–	TO
SC_9.11-pl.11	11	1272	12372	–	–	TO
SC_10.8-pl.9	–	–	TO	–	–	TO
SC_10.8-pl.10	10	10	108	10	10	137
SC_10.8-pl.14	14	93	572	16	33	252
SC_10.8-pl.15	15	130	822	–	–	TO
SC_10.10-pl.2	2	6	311	3	8	315
SC_10.10-pl.3	3	10	347	–	–	TO
SC_10.10-pl.6	6	298	8135	–	–	TO
SC_10.10-pl.7	7	589	16064	–	–	TO

SC_10_10-pl_9	9	10	117	9	10	132
SC_10_10-pl_9	9	1248	32644	12	57	1589
SC_10_10-pl_10	10	15	161	11	17	176
SC_10_10-pl_10	10	1977	51904	–	–	TO
SC_10_10-pl_13	13	17305	472785	–	–	TO
SC_10_10-pl_13	13	51	358	17	49	400
SC_10_10-pl_14	–	–	TO	–	–	TO
SC_10_10-pl_17	17	942	7546	–	–	TO
SC_10_10-pl_17	–	–	TO	–	–	TO
avg± std (all)	6 ± 3	1248 ± 4653	32376 ± 101790	115 ± 371	1292 ± 4503	23015 ± 66231
iqm± iqr (all)	6 ± 3	87 ± 445	2415 ± 9514	7 ± 10	26 ± 63	808 ± 2747
avg± std (comm)	6 ± 3	150 ± 346	8724 ± 22575	115 ± 371	1292 ± 4503	23015 ± 66231
iqm± iqr (comm)	5 ± 2	32 ± 80	831 ± 3890	7 ± 10	26 ± 63	808 ± 2747
Solved Instances	74/79 (93.67%)			46/79 (58.23%)		

Table 1: Comparison of execution on the domain over the **Train** and **Test** instances.