## Monolithic Results

Instance Name	A*(GNN)			BFS		
	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]
Assemble_B10-pl_5	_	_	ТО	_	_	ТО
$Assemble_B2-pl_5$	5	14	285	5	14	287
$Assemble_B4-pl_5$	5	14	330	5	14	357
$Assemble\_B6-pl\_5$	5	14	1127	5	14	1190
$Assemble_B8-pl_5$	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
$CC_2_2_3-pl_5$	5	77	684	7	28	255
$CC_2_2_3-pl_7$	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_6	6	363	9536	13	79	2764
$CC_2_2_4$ -pl_7	7	2084	45668	_	_	TO
$CC_2_3_4-pl_4$	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
$CC_3_2_3-pl_3$	3	14	318	9	48	533
$CC_3_2_3$ -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
$CC_3_3_3_pl_5$	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
$Coin_in_the_Box-pl_5$	5	78	728	5	16	265
$Coin_in_the_Box-pl_7$	7	1793	17758	_	_	TO
$SC_4_1-pl_5$	5	17	93	_	_	TO
$SC_4_2-pl_5$	5	30	184	_	_	TO
$SC_4_2-pl_8$	8	184	923	_	_	TO
$SC_4_3-pl_6$	6	21	93	_	_	TO
$SC_4_3-pl_8$	8	59	177	_	_	TO

$SC_44$ -pl_5	5	17	91	_	_	ТО	
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	
$SC_9_11-pl_7$	7	41	326	1286	15107	202732	
$SC_9_11-pl_9$	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	
$SC_{-}10_{-}8-pl_{-}14$	14	93	572	16	33	252	
$SC_10_10-pl_2$	2	6	311	3	8	315	
$SC_{-}10_{-}10$ -pl_3	3	10	347	_	_	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_13	13	17305	472785	_	_	TO	
$SC_{-}10_{-}10$ -pl_14	_	_	TO	_	_	TO	
$SC_{-}10_{-}10$ -pl_17	17	942	7546	_	_	TO	
$SC_{10_{10}-10_{11}}$	_	_	TO	_	_	TO	
avg± std (all)	$7\pm3$	$1711 \pm 5628$	$34711 \pm 94709$	$55 \pm 233$	$583 \pm 2746$	$14051 \pm 39043$	
$iqm \pm iqr$ (all)	$6 \pm 3$	$156 \pm 661$	$3908 \pm 16651$	$8\pm8$	$27 \pm 65$	$830 \pm 2509$	
$avg \pm std$ (comm)	$5\pm2$	$209 \pm 424$	$12858 \pm 27539$	$55 \pm 233$	$583 \pm 2746$	$14051 \pm 39043$	
$iqm \pm iqr$ (comm)	$5\pm2$	$40 \pm 113$	$1716 \pm 8031$	$8 \pm 8$	$27 \pm 65$	$830 \pm 2509$	
Solved Instances 49/54 (90.74%) 29/54 (53.70%)						0%)	
Table 1: Comparison of execution on the domain over the Test							

Table 1: Comparison of execution on the domain over the **Test** instances. The model used by A\*(GNN)has been trained using the instances reported in the previous **Train** Table.