# Monolithic Results

| Instance Name | A*(GNN) | | | BFS | | |
|---|---|---|---|---|---|---|
| | Length. | Nodes | Time[ms] | Length. | Nodes | Time[ms] |
| Assemble_B3-pl_5 | 5 | 14 | 154 | 5 | 14 | 249 |
| Assemble_B5-pl_5 | 5 | 14 | 371 | 5 | 14 | 245 |
| Assemble_B7-pl_5 | 5 | 14 | 4790 | 5 | 14 | 4660 |
| CC_2_2_3-pl_4 | 5 | 9 | 141 | 7 | 12 | 123 |
| CC_2_2_3-pl_6 | 6 | 10 | 106 | 9 | 18 | 246 |
| CC_2_2_4-pl_5 | 9 | 77 | 2507 | 13 | 38 | 1221 |
| CC_2_3_4-pl_3 | 3 | 3 | 1381 | 3 | 3 | 918 |
| CC_2_3_4-pl_7 | 9 | 22 | 3244 | 9 | 19 | 4247 |
| CC_3_2_3-pl_4 | 5 | 7 | 160 | 6 | 8 | 315 |
| CC_3_2_3-pl_5 | 6 | 45 | 463 | – | – | TO |
| CC_3_3_3-pl_4 | 4 | 4 | 495 | 4 | 4 | 424 |
| Coin_in_the_Box-pl_3 | 3 | 17 | 129 | 4 | 12 | 142 |
| Coin_in_the_Box-pl_6 | 6 | 381 | 2748 | – | – | TO |
| SC_4_1-pl_3 | 3 | 4 | 52 | 3 | 4 | 125 |
| SC_4_2-pl_7 | 7 | 120 | 545 | – | – | TO |
| SC_4_3-pl_5 | 5 | 17 | 62 | – | – | TO |
| SC_8_10-pl_6 | 6 | 49 | 343 | 483 | 4776 | 58158 |
| SC_9_11-pl_6 | 6 | 26 | 161 | 509 | 5116 | 55844 |
| SC_9_11-pl_8 | 8 | 66 | 271 | 1098 | 12438 | 186999 |
| SC_10_8-pl_10 | 10 | 10 | 97 | 10 | 10 | 112 |
| SC_10_8-pl_15 | 15 | 130 | 543 | – | – | TO |
| SC_10_10-pl_6 | 6 | 309 | 5998 | – | – | TO |
| SC_10_10-pl_7 | 7 | 647 | 11495 | – | – | TO |
| SC_10_10-pl_10 | 10 | 3096 | 58382 | – | – | TO |
| SC_10_10-pl_13 | 13 | 51 | 360 | 17 | 49 | 519 |
| avg± std (all) | 7 ± 3 | 206 ± 608 | 3800 ± 11431 | 129 ± 289 | 1326 ± 3197 | 18503 ± 45821 |
| iqm± iqr (all) | 6 ± 3 | 31 ± 67 | 596 ± 2353 | 8 ± 8 | 17 ± 28 | 932 ± 4002 |
| avg± std (comm) | 6 ± 3 | 23 ± 22 | 868 ± 1321 | 129 ± 289 | 1326 ± 3197 | 18503 ± 45821 |
| iqm± iqr (comm) | 6 ± 3 | 15 ± 17 | 273 ± 354 | 8 ± 8 | 17 ± 28 | 932 ± 4002 |
| Solved Instances | 25/25 (100.00%) | | | 17/25 (68.00%) | | |

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