**Soumyadeep Das**

First 8 Trials:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Trial** | | **bfs** | | **bfs (cost)** | | **dfs** | | **dfs (cost)** | **dijkstras** | | **dijkstras (cost)** | | |
| 0 | | 0.000115 | | 118.0003078 | | 0.0007966 | | 11333.23087 | 0.004749 | | 116.0117614 | | |
| 1 | | 0.0010076 | | 284.4917857 | | 0.0005598 | | 11005.80512 | 0.0301141 | | 261.8342096 | | |
| 2 | | 0.0008734 | | 346.4065546 | | 0.00044 | | 11007.40406 | 0.0338358 | | 294.2822977 | | |
| 3 | | 0.0003289 | | 226.7448411 | | 0.0005808 | | 10816.6208 | 0.0132024 | | 201.3436795 | | |
| 4 | | 0.0001353 | | 85.11697198 | | 0.0003355 | | 3567.176339 | 0.0080455 | | 85.06450624 | | |
| 5 | | 0.0007025 | | 283.1304714 | | 8.12E-05 | | 3104.08734 | 0.0226763 | | 255.2814066 | | |
| 6 | | 0.000527 | | 265.8256593 | | 0.0008636 | | 6009.740884 | 0.0281501 | | 262.2284761 | | |
| 7 | | 0.0008251 | | 385.2829484 | | 0.0001692 | | 5971.449628 | 0.0359019 | | 361.1977275 | | |
| 8 | | 4.58E-05 | | 72.0210984 | | 0.0003895 | | 10821.59747 | 0.0024054 | | 64.98014819 | | |
| **Trial** | **aStar** | | **aStar (cost)** | | **bidirectional** | | **bidirectional (cost)** | | | **greedy** | | **greedy (cost)** |
| 0 | 0.0045515 | | 116.0117614 | | 0.0018358 | | 118.3662095 | | | 0.0003162 | | 128.6966831 |
| 1 | 0.0283461 | | 261.8342096 | | 0.0095137 | | 265.9898727 | | | 0.000628 | | 278.5213542 |
| 2 | 0.0321076 | | 294.2822977 | | 0.0085625 | | 336.9096469 | | | 0.00078 | | 329.6266925 |
| 3 | 0.0147727 | | 201.3436795 | | 0.0027634 | | 244.2711869 | | | 0.0688996 | | -1 |
| 4 | 0.0011518 | | 85.06450624 | | 0.0001793 | | 86.94724767 | | | 0.0003411 | | 86.94724767 |
| 5 | 0.0218783 | | 255.2814066 | | 0.007847 | | 277.2583856 | | | 0.0005447 | | 268.479763 |
| 6 | 0.0108407 | | 262.2284761 | | 0.0064028 | | 265.9416259 | | | 0.0006048 | | 266.1343629 |
| 7 | 0.0474651 | | 361.1977275 | | 0.0141893 | | 387.8325188 | | | 0.0010195 | | 379.827126 |
| 8 | 0.0011591 | | 64.98014819 | | 0.0001718 | | 73.40732371 | | | 0.0002426 | | 65.11232218 |

Average times:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **bfs time** | **dfs time** | **dijkstras time** | **aStar time** | **bidirectional time** | **greedy time** |
| 0.000553269 | 0.000445196 | 0.021385556 | 0.0270627 | 0.005731086 | 0.004116596 |