Report summarizing the comparison

NPM: 23161562003

Link github A\*: https://github.com/GalihMoya/Assignment-1---GBFS-and-A-star-comparison.git

Link github GBFS: https://github.com/GalihMoya/Assignment-2---GBFS-A-star-comparison.git

Time

|  |  |  |
| --- | --- | --- |
| Experiment | GBFS (milisecond) | A \* (milisecond) |
| #1 #node: 5000 #obstacle: 10 | 2,1 | 4,8 |
| #2 #node: 50000 #obstacle: 100 | 24,3 | 56,7 |
| #3 #node: 500000 #obstacle: 1000 | 198,5 | 432,9 |
| #4 #node: 5000000 #obstacle: 10000 | 2.105,0 | 4.876,4 |
| #5 #node: 50000000 #obstacle: 100000 | 21.890,0 | 48.320,0 |
| **Average** | 4.843,9 | 10.738,2 |

Path lenght

|  |  |  |
| --- | --- | --- |
| Experiment | GBFS (number of node) | A \* (number of node) |
| #1 #node: 5000 #obstacle: 10 | 15 | 12 |
| #2 #node: 50000 #obstacle: 100 | 28 | 18 |
| #3 #node: 500000 #obstacle: 1000 | 42 | 24 |
| #4 #node: 5000000 #obstacle: 10000 | 55 | 30 |
| #5 #node: 50000000 #obstacle: 100000 | 70 | 35 |