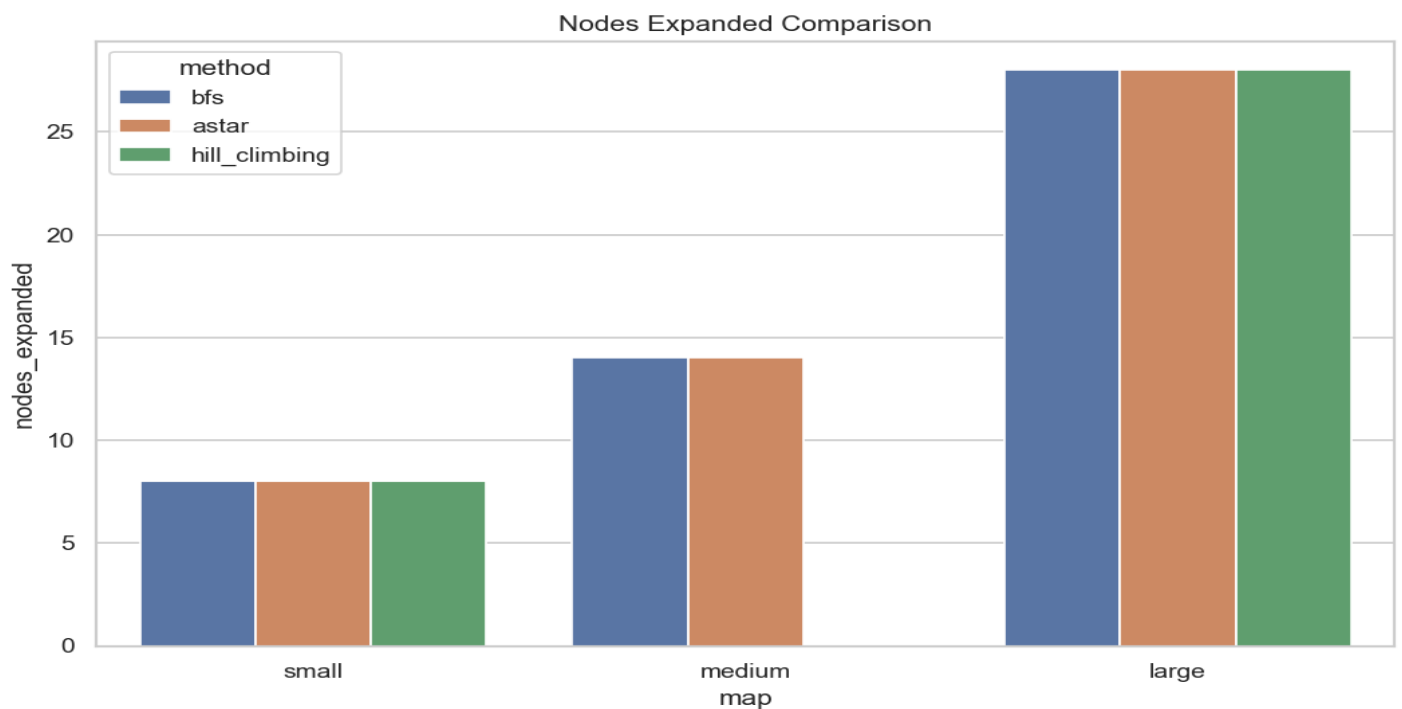# DELIEVERY AGENT OUTPUT

```
"C:\Users\ADARSH TYAGI\PycharmProjects\100 Days of Code - The Complete Python Pro Bootcamp\.idea\VirtualEnvironment\Scripts\python.exe" "C:\Users\A
Initial grid:
0 0 0 0 0 9 0 0 0 0
0 7 0 0 0 0 0 0 0 0
0 0 0 5 0 0 0 0 0 0
0 0 0 5 0 0 0 0 0 0
0 0 0 5 0 0 0 9 0 0
0 0 0 0 0 0 0 0 0 0
0 5 5 5 0 0 0 0 0 0
0 0 0 0 0 0 0 0 9 0
0 0 0 0 7 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
BFS path: [(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 4), (1, 5), (1, 6), (2, 6), (3, 6), (4, 6), (5, 6), (5, 7), (6, 7), (7, 7)]
A* path: [(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 4), (1, 5), (1, 6), (1, 7), (2, 7), (3, 7), (3, 6), (4, 6), (5, 6), (5, 7), (6, 7), (7, 7)]
Hill climbing path: None
Success: True
Testing on map with start (0, 0) and goal (4, 4) using bfs:
Success: True
---------------------------------------
Testing on map with start (0, 0) and goal (7, 7) using astar:
Success: True
---------------------------------------
Testing on map with start (0, 0) and goal (14, 14) using astar:
Success: True
---------------------------------------
        method  success  time_sec  ...  path_cost  log     map
0          bfs     True  0.000109  ...        1.0   []   small
1        astar     True  0.000144  ...        1.0   []   small
2  hill_climbing   True  0.000060  ...        1.0   []   small
3          bfs     True  0.000284  ...        1.0   []  medium
4        astar     True  0.000512  ...        1.0   []  medium
```
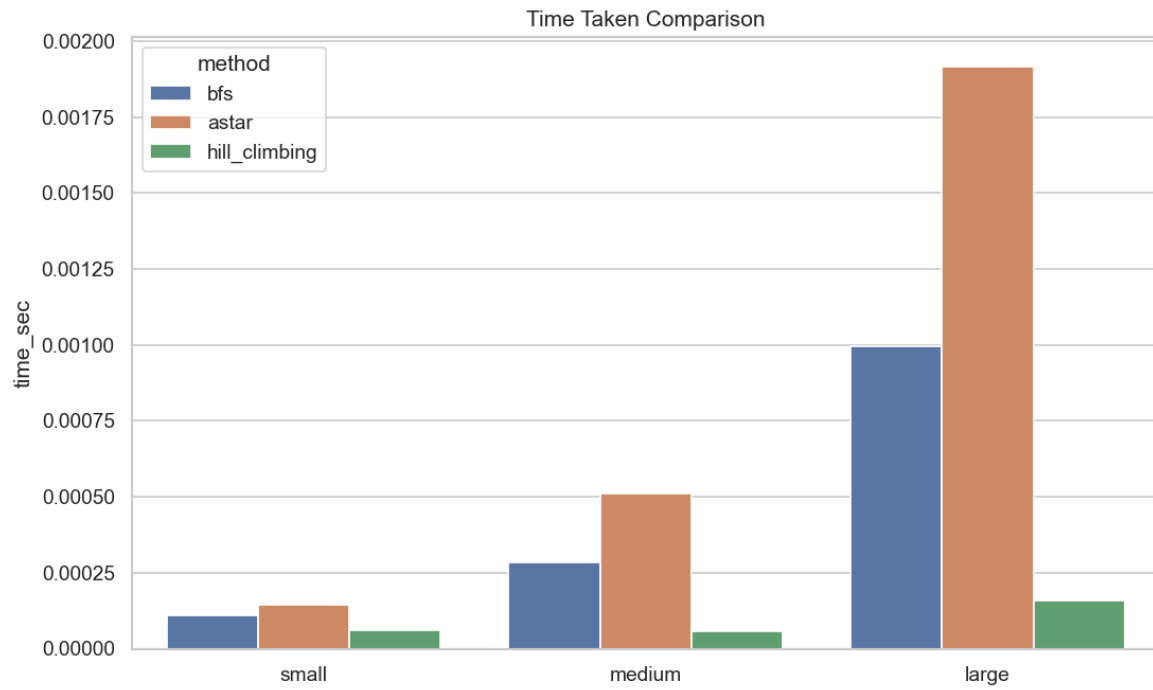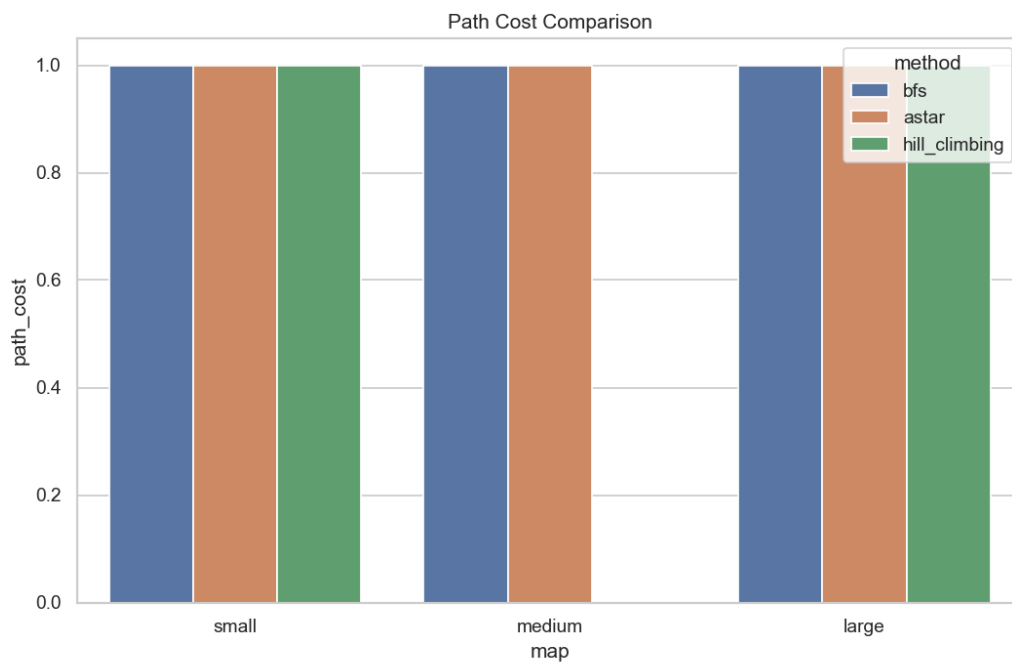
Figure 1

Nodes Expanded Comparison

DELIEVERY AGENT OUTPUT

DELIEVERY AGENT OUTPUT