Sami Maizi Project 1 AI

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Credits:  
Sebastian Lague

https://www.youtube.com/watch?v=-L-WgKMFuhE&list=PLFt\_AvWsXl0cq5Umv3pMC9SPnKjfp9eGW

https://github.com/SebLague/Pathfinding

Chart

Description automatically generatedA picture containing text, clock, scoreboard

Description automatically generatedùA screenshot of a computer

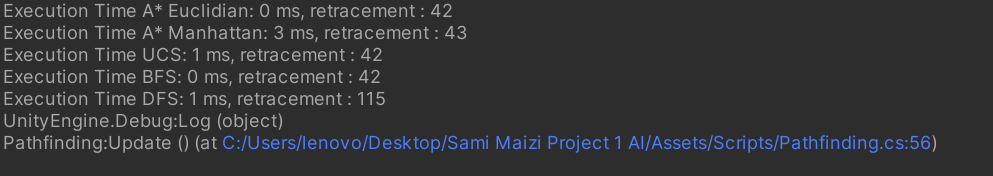
Description automatically generated with medium confidence  
  
DFS: red

BFS: light blue (I had to remove the other ones since they overlap)

UCS: yellow

A\* with Manhattan path heuristic: black

A\* with Euclidian path heuristic: dark blue

  
A\* Euclidian Heuristic and BFS are head to head according to the data collected  
Followed by UCS then DFS (with a longer path)

Finally A\* Manhattan took longer with one less step then the Euclidian, which stresses the importance of choosing a good Heuristic function