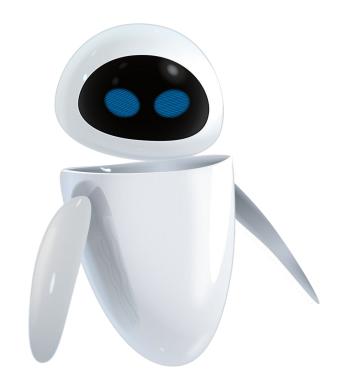
Stochastic Shortest Path in Maze

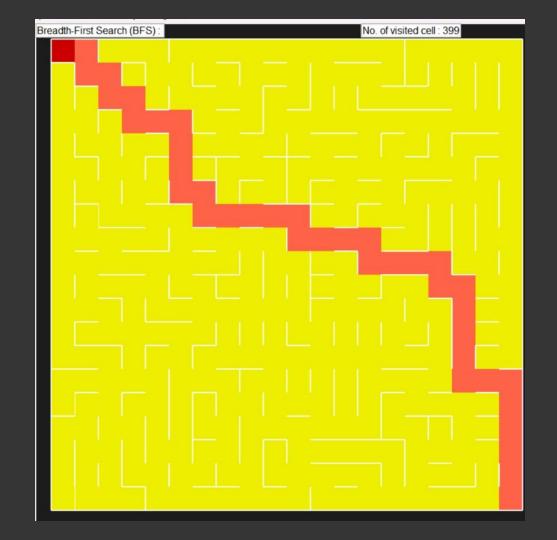
Rudra Sarkar | Shivang Modi CB.EN.P2AIE22007 | CB.EN.P2AIE22007

Path Finding

Given a maze and an agent, find the shortest route which will lead the agent to the exit/goal

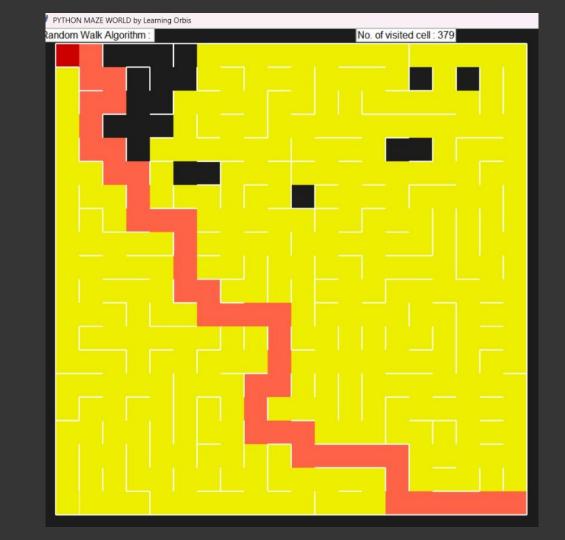


Search Explore everything!



Search Explore everything!

Is it Smart?

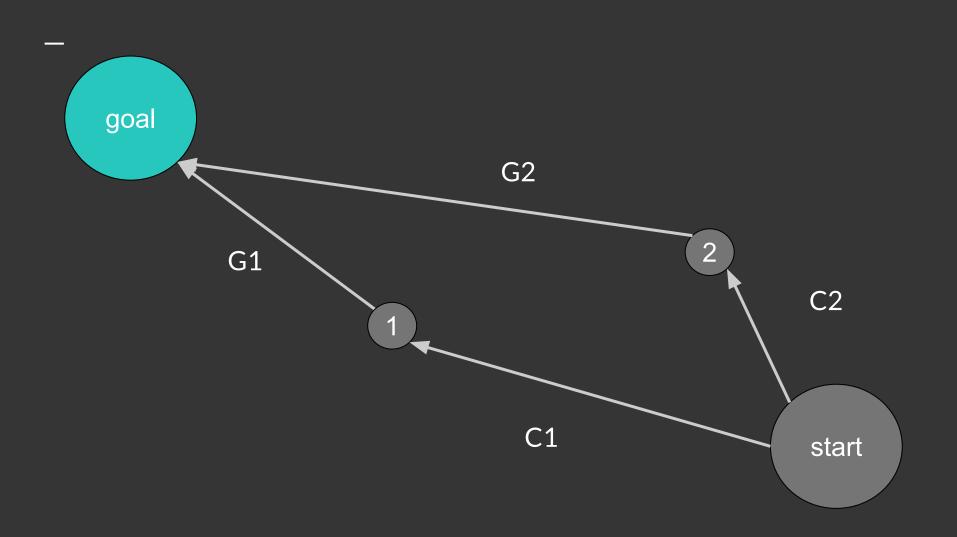


Heuristics Don't just guess!

Heuristics Don't just guess!

Make it Count

goal distance start



A *

BB + Best First

Make a move but remember the history!

A *

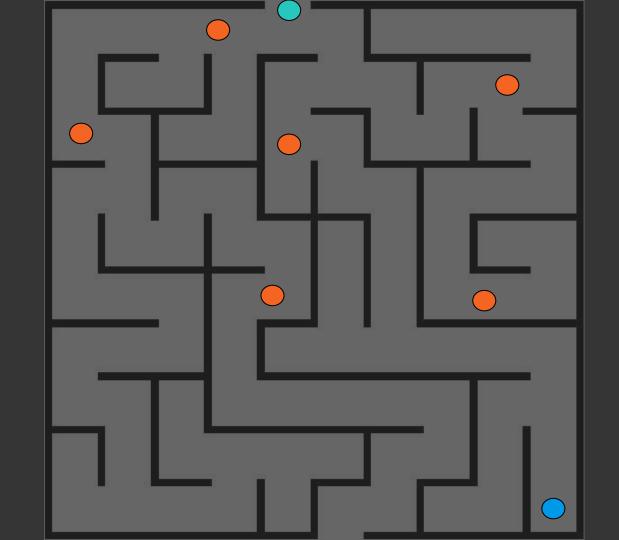
$$F(n) = g(n) + h(n)$$

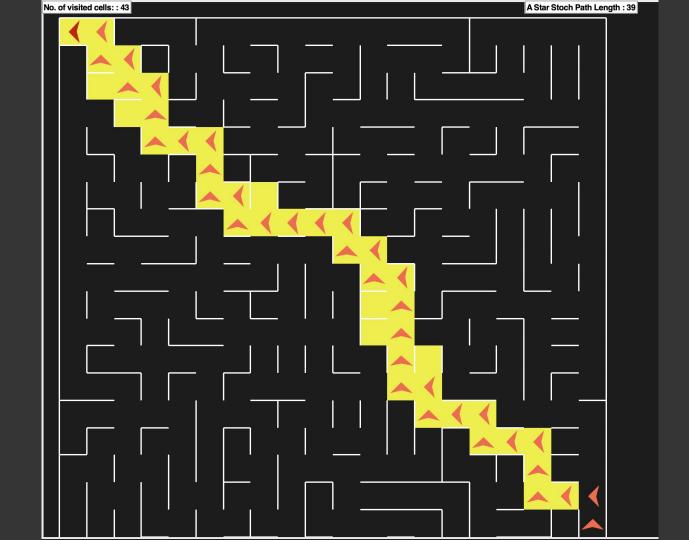
Make your moves count!

Where is the stochasticity?

Where is the stochasticity? Randomness?

Where is the stochasticity? Randomness? Uncertainty?





So clearly
Path length and
No. of Visited cells of A* is the

Least



So Stochasticity adds a bit of Asymmetry which is actually Helpful

Thank You

