

Differences in how the search works

- when using a geneve: breadth-first search, finds shortest (fewest hops) path

- when using a stack: Lepth-first search coun be better for ceutain applications

Searching a maze · possible moves are N,S,E,W (no diagonalo) · walls block movement · Start is always (0,0) · exit is always bottom right (height -1, width -1)

We are searching for a path: (0,0) · · · (5,5)

. What would the search algorithm find heve? Impossible mage:

REPRESENTING A MAZE

Position class methods int get X() int x int gety() void setwall(), bool is Wall() inty bool well bool visited void set Visited (), bul is Visited () void set Previous (Position * P) Position * previous Position * get Previous()



