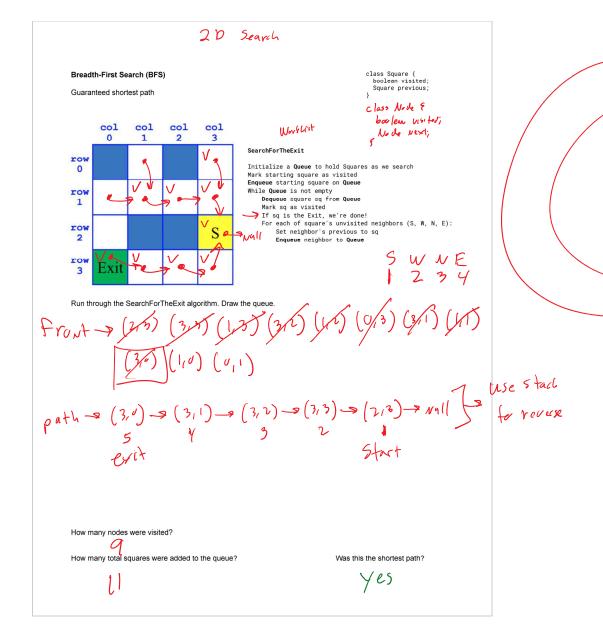
PAZ due temorrow



Depth-First Search (DFS) Will always find a path. Possibly faster. Worklink col col col col 1 2 3 SearchForTheExit V Initialize a Stack to hold Squares as we search 0 Initialize a Stack/to hold Squares as we search Mark starting Square as visited Push starting square as visited While Stack is not empty Pop equare of from Stack Mark sq as visited If sq is the Exit, we're done! For each of square's unvisited neighbors (S, W, N, E): Set neighbor's previous to sq Push neighbor to Stack row 1 row Run through the SearchForTheExit algorithm. Draw the stack. botton > (2,2) (313) (12) (12) (0,5)

class Square {
 boolean visited;
 Square previous;
}

3,0) -> (2,0) -> (1,0) -> (1,1) -> (1,2) -> (2,3) -> 10111 7 6 5 4 3 2 1

How many nodes were visited?

How many total squares were added to the stack? lΟ

Was this the shortest path?

NO

