# Analyzing Time & Space Complexity – Spot Question

Consider a maze represented as a matrix of m × n with walls marked as 0 and a movable path marked as 1. From any point in the maze, the only movements possible are to the east or to the south. The exception to the movement is when a dead end is encountered, which is handled by backtracking to the previous position. Implement a function (findPath) to determine the only existing path from the north west corner to the south east corner of the maze. [Note: the path should be a sequence of directions: S / E]

Function Prototype: char * findPath(int **maze, int m, int n)

Sample:

```
input:

     Start →  1    1    1    0
              1    0    1    0
              0    1    1    1
              0    0    1    0
              0    0    1    1  ← Destination

output: EESSSSE
```