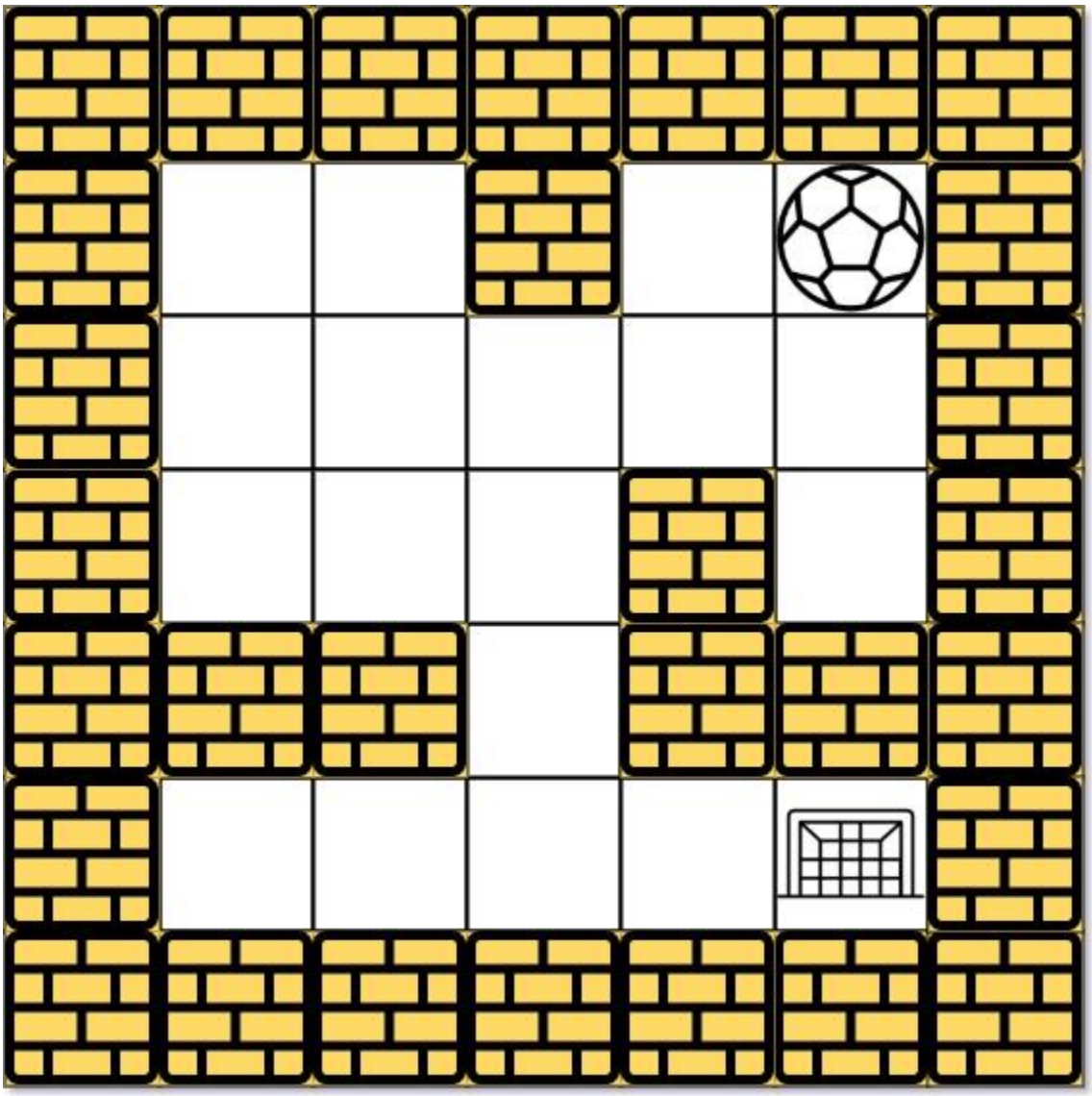
490. The Maze

There is a ball in a maze with empty spaces (represented as 0) and walls (represented as 1). The ball can go through the empty spaces by rolling **up, down, left or right**, but it won't stop rolling until hitting a wall. When the ball stops, it could choose the next direction.

Given the m x n maze, the ball's start position and the destination, where start = [$start_{row}$, $start_{col}$] and destination = [$destination_{row}$, $destination_{col}$], return true if the ball can stop at the destination, otherwise return false.

You may assume that **the borders of the maze are all walls** (see examples).

Example 1:

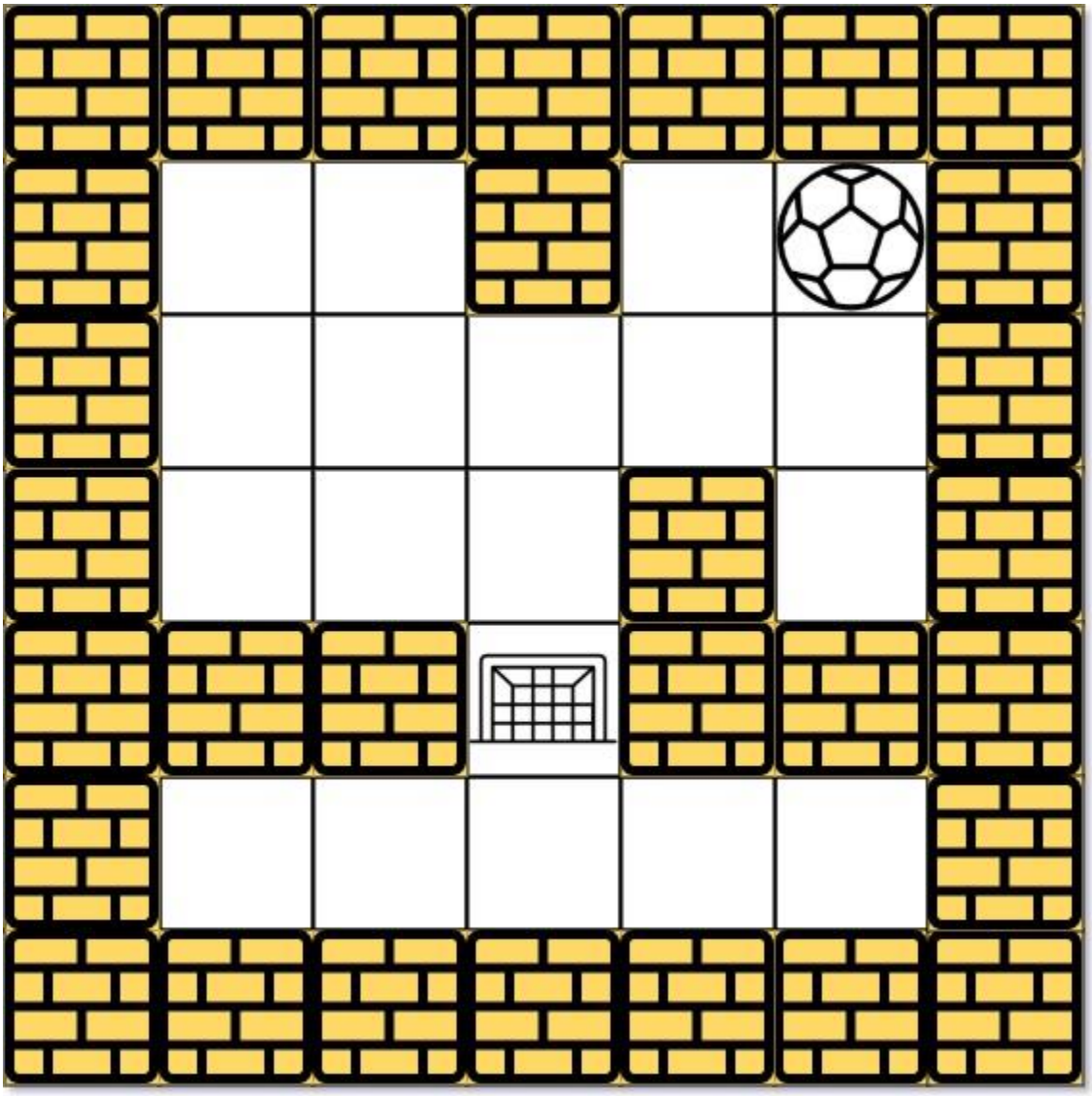


Input: maze = [[0,0,1,0,0],[0,0,0,0,0],[0,0,0,1,0],[1,1,0,1,1],[0,0,0,0,0]], start = [0,4], destination = [4,4]

Output: true

Explanation: One possible way is : left -> down -> left -> down -> right -> down -> right.

Example 2:



Input: maze = [[0,0,1,0,0],[0,0,0,0,0],[0,0,0,1,0],[1,1,0,1,1],[0,0,0,0,0]], start = [0,4], destination = [3,2]

Output: false

Explanation: There is no way for the ball to stop at the destination. Notice that you can pass through the destination but you cannot stop there.

Example 3:

Input: maze = [[0,0,0,0,0],[1,1,0,0,1],[0,0,0,0,0],[0,1,0,0,1],[0,1,0,0,0]], start = [4,3], destination = [0,1]

Output: false

Constraints:

m == maze.length

n == maze[i].length

1 <= m, n <= 100

maze[i][j] is 0 or 1.

start.length == 2

destination.length == 2

0 <= start$_{row}$, destination$_{row}$ <= m

0 <= start$_{col}$, destination$_{col}$ <= n

Both the ball and the destination exist in an empty space, and they will not be in the same position initially.

The maze contains **at least 2 empty spaces**.