1926. Nearest Exit from Entrance in Maze

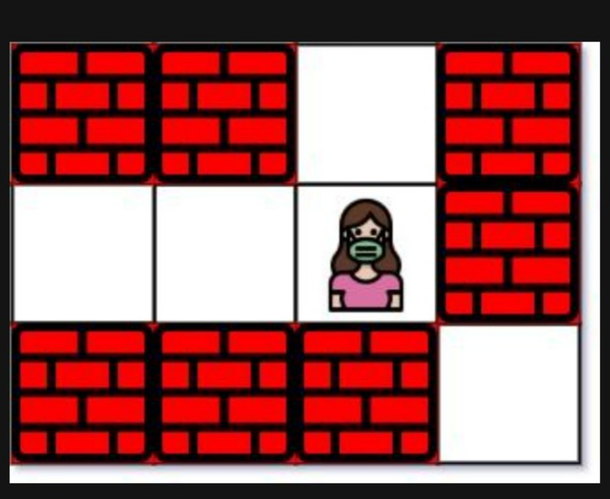
Description

You are given an `m x n` matrix `maze` (**0-indexed**) with empty cells (represented as `'.'`) and walls (represented as `'+'`). You are also given the `entrance` of the maze, where `entrance = [entrance row , entrance col ]` denotes the row and column of the cell you are initially standing at.

In one step, you can move one cell **up** , **down** , **left** , or **right** . You cannot step into a cell with a wall, and you cannot step outside the maze. Your goal is to find the **nearest exit** from the `entrance` . An **exit** is defined as an **empty cell** that is at the **border** of the `maze` . The `entrance` **does not count** as an exit.

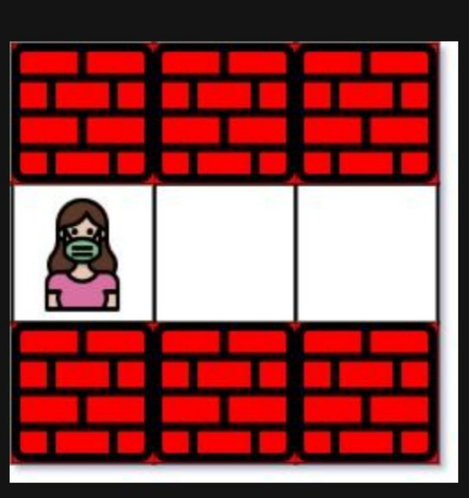
Return *the* ***number of steps*** *in the shortest path from the* `entrance` *to the nearest exit, or* `-1` *if no such path exists* .

Example 1:



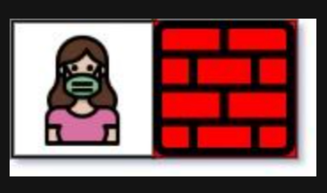
```
Input: maze = [["+","+",".","+"],[".",".",".","+"],["+","+","+","."]], entrance = [1,2]
Output: 1
Explanation: There are 3 exits in this maze at [1,0], [0,2], and [2,3].
Initially, you are at the entrance cell [1,2].
- You can reach [1,0] by moving 2 steps left.
- You can reach [0,2] by moving 1 step up.
It is impossible to reach [2,3] from the entrance.
Thus, the nearest exit is [0,2], which is 1 step away.
```

Example 2:



```
Input: maze = [["+","+","+"],[".",".","."],["+","+","+"]], entrance = [1,0]
Output: 2
Explanation: There is 1 exit in this maze at [1,2].
[1,0] does not count as an exit since it is the entrance cell.
Initially, you are at the entrance cell [1,0].
- You can reach [1,2] by moving 2 steps right.
Thus, the nearest exit is [1,2], which is 2 steps away.
```

Example 3:



```
Input: maze = [[".","+"]], entrance = [0,0]
Output: -1
Explanation: There are no exits in this maze.
```

Constraints:

- `maze.length == m`
- `maze[i].length == n`
- `1 <= m, n <= 100`
- `maze[i][j]` is either `'.'` or `'+'` .
- `entrance.length == 2`
- `0 <= entrance row < m`
- `0 <= entrance col < n`
- `entrance` will always be an empty cell.