

## 286. Walls and Gates Premium

Solved **⊘** 

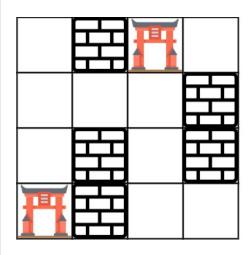


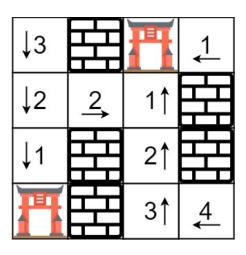
You are given an m x n grid rooms initialized with these three possible values.

- |−1| A wall or an obstacle.
- 0 A gate.
- INF Infinity means an empty room. We use the value  $2^{31} 1 = 2147483647$  to represent INF as you may assume that the distance to a gate is less than 2147483647.

Fill each empty room with the distance to *its nearest gate*. If it is impossible to reach a gate, it should be filled with INF.

## Example 1:





Input: rooms = [[2147483647,-1,0,2147483647],
[2147483647,2147483647,2147483647,-1],[2147483647,-1,2147483647,-1],
[0,-1,2147483647,2147483647]]

Output: [[3,-1,0,1],[2,2,1,-1],[1,-1,2,-1],[0,-1,3,4]]

## Example 2:

**1**分 3.1K **1**分 ♀ 15 ☆ ② ③

1 of 1 16/07/24, 3:19 am