## Walls and Gates

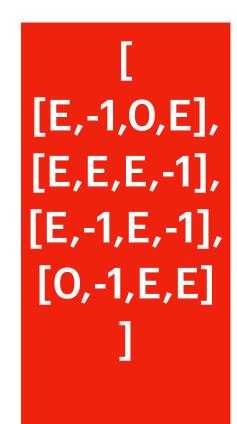
```
You are given an m x n grid rooms initialized with these three possible values.
-1 A wall or an obstacle.
0 A gate.
INF Infinity means an empty room.
We use the value 2^31 - 1 = 2147483647 to represent INF as you may assume that the distance to a gate is less than
```

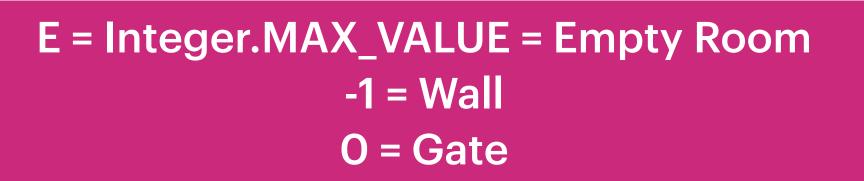
Fill each empty room with the distance to its nearest gate. If it is impossible to reach a gate, it should be filled with INF.

2147483647.

```
Input: rooms = [[-1]]
Output: [[-1]]
```

```
m == rooms.length
n == rooms[i].length
1 <= m, n <= 250
rooms[i][j] is -1, 0, or 231 - 1.
```





Fill the Empty Room with nearest possible distance

