329. Longest Increasing Path in a Matrix

👍 610   👎 13   ♡   ▾

Description (/problems/longest-increasing-path-in-a-matrix/description/) | ♀ Hints (/problems/longest-increasing-path-in-a-matrix/hints/) | Subm

Difficulty: Hard

Total Accepted: 65K

Total Submissions: 171.3K

Contributor: dietpepsi (/dietpepsi/)

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Given an integer matrix, find the length of the longest increasing path.

From each cell, you can either move to four directions: left, right, up or down. You may NOT move diagonally or move outside of the boundary (i.e. wrap-around is not allowed).

Example 1:

```
Input: nums =
[
  [9,9,4],
  [6,6,8],
  [2,1,1]
]
Output: 4
Explanation: The longest increasing path is [1, 2, 6, 9].
```

Example 2:

```
Input: nums =
[
  [3,4,5],
  [3,2,6],
  [2,2,1]
]
Output: 4
Explanation: The longest increasing path is [3, 4, 5, 6]. Moving diagonally is not allowed.
```

Seen this question in a real interview before? Yes No   ✖

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