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Description

Solution

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class Solution {

public int longestIncreasingPath(int[][] matrix) {

}

}

329. Longest Increasing Path in a Matrix

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Given an  $m \times n$  integers matrix, return the length of the longest increasing path in matrix.

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

Example 1:

9	9	4
6	6	8
2	1	1

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

Example 2:

3	4	5
3	2	6
2	2	1

Input: matrix = [[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.

Example 3:

Input: matrix = [[1]]  
Output: 1

Constraints:

- m == matrix.length
- n == matrix[i].length
- 1 <= m, n <= 200
- 0 <= matrix[i][j] <= 2<sup>31</sup> - 1

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