Given a matrix of integers A with R rows and C columns, find the **maximum** score of a path starting at [0,0] and ending at [R-1,C-1].

The *score* of a path is the **minimum** value in that path.  For example, the value of the path 8 →  4 →  5 →  9 is 4.

A *path* moves some number of times from one visited cell to any neighbouring unvisited cell in one of the 4 cardinal directions (north, east, west, south).

**Example 1:**

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**Input:** [[5,4,5],[1,2,6],[7,4,6]]

**Output:** 4

**Explanation:**

The path with the maximum score is highlighted in yellow.

**Example 2:**

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**Input:** [[2,2,1,2,2,2],[1,2,2,2,1,2]]

**Output: 2**

**Example 3:**

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**Input:** [[3,4,6,3,4],[0,2,1,1,7],[8,8,3,2,7],[3,2,4,9,8],[4,1,2,0,0],[4,6,5,4,3]]

**Output: 3**

**Note:**

1. 1 <= R, C <= 100
2. 0 <= A[i][j] <= 10^9