1102. Path With Maximum Minimum Value

Medium 397 47 Add to List Share

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:

```
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:

```
Input: [[2,2,1,2,2,2],[1,2,2,2,1,2]]
Output: 2
```

Example 3:

```
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`

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