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Trail to Minimize Effort

Question 952 of 1025

Medium

You are given a two-dimensional list of integers `matrix` where element represents the height of a hill. You are currently on the top left cell and want to go to the bottom right cell. In each move, you can go up, down, left, or right. A path's cost is defined to the largest absolute difference of heights between any two consecutive cells in the path. Return the minimum cost of any path.

Constraints

- `1 ≤ n, m ≤ 250` where `n` and `m` are the number of rows and columns in `matrix`

Example 1

Input

```
matrix = [
    [1, 5, 3],
    [2, 4, 3],
    [3, 5, 3]
]
```

Output

```
2
```

Explanation

We can take the following path `[1, 2, 4, 5, 3]`. The largest absolute difference of heights between any two consecutive cells is between `2` and `4`.

Solved	Attempted	Rate
96	139	69.07%

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```java
import java.util.*;

class Solution {
    public int solve(int[][] matrix) {

    }
}
```

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