624. Maximum Distance in Arrays

Description

You are given `m` `arrays`, where each array is sorted in **ascending order**.

You can pick up two integers from two different arrays (each array picks one) and calculate the distance. We define the distance between two integers `a` and `b` to be their absolute difference `|a - b|`.

Return *the maximum distance*.

Example 1:

```
Input: arrays = [[1,2,3],[4,5],[1,2,3]]
Output: 4
Explanation: One way to reach the maximum distance 4 is to pick 1 in the first or third array and pick 5 in the second array.
```

Example 2:

```
Input: arrays = [[1],[1]]
Output: 0
```

Constraints:

- `m == arrays.length`
- $2 <= m <= 10^5$
- `1 <= arrays[i].length <= 500`
- $-10^4 <= arrays[i][j] <= 10^4$
- `arrays[i]` is sorted in **ascending order**.
- There will be at most 10^5 integers in all the arrays.