

## 74. Search a 2D Matrix

Medium

 Topics

 Companies

You are given an  $m \times n$  integer matrix `matrix` with the following two properties:

- Each row is sorted in non-decreasing order.
- The first integer of each row is greater than the last integer of the previous row.

Given an integer `target`, return `true` if `target` is in `matrix` or false otherwise.

You must write a solution in  $O(\log(m * n))$  time complexity.

Example 1:

1	3	5	7
10	11	16	20
23	30	34	60

Input: `matrix = [[1,3,5,7],[10,11,16,20],[23,30,34,60]]`, `target = 3`  
Output: `true`

Example 2:

1	3	5	7
10	11	16	20
23	30	34	60

Input: `matrix = [[1,3,5,7],[10,11,16,20],[23,30,34,60]]`, `target = 13`  
Output: `false`

Constraints:

- `m == matrix.length`
- `n == matrix[i].length`
- `1 <= m, n <= 100`
- `-104 <= matrix[i][j], target <= 104`

Seen this question in a real interview before? 1/4

Yes No

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