

LeetCode

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Description

Solution

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Submissions

74. Search a 2D Matrix

Medium4844223Add to ListShare

Write an efficient algorithm that searches for a value in an $m \times n$ matrix. This matrix has the following properties:

- Integers in each row are sorted from left to right.
- The first integer of each row is greater than the last integer of the previous row.

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:

- $m == \text{matrix.length}$
- $n == \text{matrix}[i].\text{length}$
- $1 \leq m, n \leq 100$
- $-10^4 \leq \text{matrix}[i][j], \text{target} \leq 10^4$

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YesNo

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```
1 class Solution {
2     public boolean searchMatrix(int[][] matrix, int target) {
3
4     }
5 }
```

Problems

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74/2050

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Console

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Run Code

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1/1