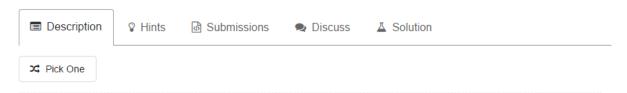
查询二维矩阵L74. note矩阵按照箭头方向递增。

74. Search a 2D Matrix



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:

Example 2:

```
public class L74 {
    * 这道题是利用二分法
     public boolean searchMatrix(int[][] matrix, int target) {
             if(matrix == null || matrix.length == 0 || matrix[0].length == 0) {
                 return false;
             int m = matrix.length;
             int n = matrix[0].length;
             int start = 0;
             int end = m * n - 1;
             while (start <= end) {</pre>
                int mid = (start + end) / 2;
                int midX = mid / n;
                int midY = mid % n;
                if(matrix[midX][midY] == target)
                    return true;
                if(matrix[midX][midY] < target)</pre>
                    start = mid + 1;
                else {
                    end = mid - 1;
             return false;
   }
}
```