

```
public class Solution {  
    public boolean searchMatrix(int[][] matrix, int target) {  
        if (matrix.length == 0 || matrix[0].length == 0) return false;  
        int row = matrix.length, col = matrix[0].length-1;  
        int r = 0, c = col;  
  
        while (r < row && c >= 0) {  
            if (target == matrix[r][c]) return true;  
            else if (target > matrix[r][c]) r++;  
            else c--;  
        }  
  
        return false;  
    }  
}
```