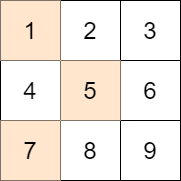
You are given an m x n integer matrix mat and an integer target.

Choose one integer from **each row** in the matrix such that the **absolute difference** between target and the **sum** of the chosen elements is **minimized**.

Return *the* ***minimum absolute difference***.

The **absolute difference** between two numbers a and b is the absolute value of a - b.

**Example 1:**



Input: mat = [[1,2,3],[4,5,6],[7,8,9]], target = 13  
Output: 0  
Explanation: One possible choice is to:  
- Choose 1 from the first row.  
- Choose 5 from the second row.  
- Choose 7 from the third row.  
The sum of the chosen elements is 13, which equals the target, so the absolute difference is 0.

**Example 2:**



Input: mat = [[1],[2],[3]], target = 100  
Output: 94  
Explanation: The best possible choice is to:  
- Choose 1 from the first row.  
- Choose 2 from the second row.  
- Choose 3 from the third row.  
The sum of the chosen elements is 6, and the absolute difference is 94.

**Example 3:**



Input: mat = [[1,2,9,8,7]], target = 6  
Output: 1  
Explanation: The best choice is to choose 7 from the first row.  
The absolute difference is 1.

**Constraints:**

* m == mat.length
* n == mat[i].length
* 1 <= m, n <= 70
* 1 <= mat[i][j] <= 70
* 1 <= target <= 800