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:**

Table, calendar

Description automatically generated

**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:**

A picture containing text, clock, screenshot

Description automatically generated

**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:**

Shape

Description automatically generated with medium confidence

**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