1300. Sum of Mutated Array Closest to Target

Description

Given an integer array `arr` and a target value `target`, return the integer `value` such that when we change all the integers larger than `value` in the given array to be equal to `value`, the sum of the array gets as close as possible (in absolute difference) to `target`.

In case of a tie, return the minimum such integer.

Notice that the answer is not neccesarilly a number from `arr`.

Example 1:

```
Input: arr = [4,9,3], target = 10
Output: 3
Explanation: When using 3 arr converts to [3, 3, 3] which sums 9 and that's the optimal answer.
```

Example 2:

```
Input: arr = [2,3,5], target = 10
Output: 5
```

Example 3:

```
Input: arr = [60864,25176,27249,21296,20204], target = 56803
Output: 11361
```

Constraints:

- `1 <= arr.length <= 10^4`
- `1 <= arr[i], target <= 10^5`