2439. Minimize Maximum of Array

Description

You are given a **0-indexed** array `nums` comprising of `n` non-negative integers.

In one operation, you must:

- Choose an integer `i` such that `1 <= i < n` and `nums[i] > 0`.
- Decrease `nums[i]` by 1.
- Increase `nums[i - 1]` by 1.

Return *the* ***minimum*** *possible value of the* ***maximum*** *integer of* `nums` *after performing* ***any*** *number of operations*.

Example 1:

```
Input: nums = [3,7,1,6]
Output: 5
Explanation:
One set of optimal operations is as follows:
1. Choose i = 1, and nums becomes [4,6,1,6].
2. Choose i = 3, and nums becomes [4,6,2,5].
3. Choose i = 1, and nums becomes [5,5,2,5].
The maximum integer of nums is 5. It can be shown that the maximum number cannot be less than 5.
Therefore, we return 5.
```

Example 2:

```
Input: nums = [10,1]
Output: 10
Explanation:
It is optimal to leave nums as is, and since 10 is the maximum value, we return 10.
```

Constraints:

- `n == nums.length`
- `2 <= n <= 10^5`
- `0 <= nums[i] <= 10^9`