2422. Merge Operations to Turn Array Into a Palindrome

Description

You are given an array `nums` consisting of **positive** integers.

You can perform the following operation on the array **any** number of times:

- Choose any two **adjacent** elements and **replace** them with their **sum**.
  - For example, if `nums = [1, 2,3 ,1]`, you can apply one operation to make it `[1,5,1]`.

Return *the* *minimum* *number of operations needed to turn the array into a* *palindrome* .

Example 1:

```
Input: nums = [4,3,2,1,2,3,1]
Output: 2
Explanation: We can turn the array into a palindrome in 2 operations as follows:
- Apply the operation on the fourth and fifth element of the array, nums becomes equal to [4,3,2, 3 ,3,1].
- Apply the operation on the fifth and sixth element of the array, nums becomes equal to [4,3,2,3, 4 ].
The array [4,3,2,3,4] is a palindrome.
It can be shown that 2 is the minimum number of operations needed.
```

Example 2:

```
Input: nums = [1,2,3,4]
Output: 3
Explanation: We do the operation 3 times in any position, we obtain the array [10] at the end which is a palindrome.
```

Constraints:

- `1 <= nums.length <= 10`^{5}
- `1 <= nums[i] <= 10`^{6}