6067. Number of Ways to Split Array

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Difficulty:	Medium

You are given a **0-indexed** integer array `nums` of length `n`.

`nums` contains a **valid split** at index `i` if the following are true:

- The sum of the first `i + 1` elements is **greater than or equal to** the sum of the last `n - i - 1` elements.
- There is **at least one** element to the right of `i`. That is, `0 <= i < n - 1`.

Return *the number of **valid splits** in* `nums`.

Example 1:

```
Input: nums = [10,4,-8,7]
Output: 2
Explanation:
There are three ways of splitting nums into two non-empty parts:
- Split nums at index 0. Then, the first part is [10], and its sum is 10. The second part is [4,-8,7], and its sum is 3. Since
- Split nums at index 1. Then, the first part is [10,4], and its sum is 14. The second part is [-8,7], and its sum is -1. Since
- Split nums at index 2. Then, the first part is [10,4,-8], and its sum is 6. The second part is [7], and its sum is 7. Since 6
Thus, the number of valid splits in nums is 2.
```

Example 2:

```
Input: nums = [2,3,1,0]
Output: 2
Explanation:
There are two valid splits in nums:
- Split nums at index 1. Then, the first part is [2,3], and its sum is 5. The second part is [1,0], and its sum is 1. Since 5 >
- Split nums at index 2. Then, the first part is [2,3,1], and its sum is 6. The second part is [0], and its sum is 0. Since 6 >
```

Constraints:

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

JavaScript

```
const sm = (a) => a.reduce(((x, y) => x + y), 0);

const waysToSplitArray = (a) => {
    let n = a.length, sum = sm(a), lsum = 0, res = 0;
    for (let i = 0; i < n - 1; i++) {
        lsum += a[i];
        let rsum = sum - lsum;
        if (lsum >= rsum) res++
    }
    return res;
};
```

□ **Custom Testcase** Use Example Testcases

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