

## 5846. Find the Middle Index in Array

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Given a **0-indexed** integer array `nums`, find the **leftmost** `middleIndex` (i.e., the smallest amongst all the possible ones).

A `middleIndex` is an index where  $nums[0] + nums[1] + \dots + nums[middleIndex-1] == nums[middleIndex+1] + nums[middleIndex+2] + \dots + nums[nums.length-1]$ .

If `middleIndex == 0`, the left side sum is considered to be `0`. Similarly, if `middleIndex == nums.length - 1`, the right side sum is considered to be `0`.

Return the **leftmost** `middleIndex` that satisfies the condition, or `-1` if there is no such index.

User Accepted:	4251
User Tried:	4597
Total Accepted:	4334
Total Submissions:	6626
Difficulty:	Easy

### Example 1:

**Input:** `nums = [2,3,-1,8,4]`

**Output:** `3`

**Explanation:**

The sum of the numbers before index 3 is:  $2 + 3 + -1 = 4$

The sum of the numbers after index 3 is:  $4 = 4$

### Example 2:

**Input:** `nums = [1,-1,4]`

**Output:** `2`

**Explanation:**

The sum of the numbers before index 2 is:  $1 + -1 = 0$

The sum of the numbers after index 2 is: `0`

### Example 3:

**Input:** `nums = [2,5]`

**Output:** `-1`

**Explanation:**

There is no valid `middleIndex`.

### Example 4:

**Input:** `nums = [1]`

**Output:** `0`

**Explanation:**

The sum of the numbers before index `0` is: `0`

The sum of the numbers after index `0` is: `0`

### Constraints:

- $1 \leq \text{nums.length} \leq 100$
- $-1000 \leq \text{nums}[i] \leq 1000$

JavaScript



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```
2  * @param {number[]} nums
3  * @return {number}
4  */
5  var findMiddleIndex = function(nums) {
6
7  };
```

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