



# 5607. Ways to Make a Fair Array

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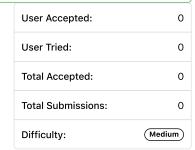
You are given an integer array nums . You can choose exactly one index (0-indexed) and remove the element. Notice that the index of the elements may change after the removal.

For example, if nums = [6,1,7,4,1]:

- Choosing to remove index 1 results in nums = [6,7,4,1].
- Choosing to remove index 2 results in nums = [6,1,4,1].
- Choosing to remove index 4 results in nums = [6,1,7,4].

An array is fair if the sum of the odd-indexed values equals the sum of the even-indexed values.

Return the *number* of indices that you could choose such that after the removal, nums is *fair*.



## Example 1:

```
Input: nums = [2,1,6,4]
Output: 1
Explanation:
Remove index 0: [1,6,4] -> Even sum: 1 + 4 = 5. Odd sum: 6. Not fair.
Remove index 1: [2,6,4] -> Even sum: 2 + 4 = 6. Odd sum: 6. Fair.
Remove index 2: [2,1,4] -> Even sum: 2 + 4 = 6. Odd sum: 1. Not fair.
Remove index 3: [2,1,6] -> Even sum: 2 + 6 = 8. Odd sum: 1. Not fair.
There is 1 index that you can remove to make nums fair.
```

### Example 2:

```
Input: nums = [1,1,1]
Output: 3
Explanation: You can remove any index and the remaining array is fair.
```

## Example 3:

```
Input: nums = [1,2,3]
Output: 0
Explanation: You cannot make a fair array after removing any index.
```

#### **Constraints:**

- 1  $\leftarrow$  nums.length  $\leftarrow$  10<sup>5</sup>
- $1 \le nums[i] \le 10^4$

```
JavaScript
                                                                                                                                  \varepsilon
                                                                                                                           43
1 • /**
     * @param {number []} nums
3
     * @return {number}
4
5 ▼ var waysToMakeFair = function(nums) {
6
7
    };
```