

6369. Left and Right Sum Differences

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Back to Contest (/contest/weekly-contest-334/)

Given a **0-indexed** integer array `nums`, find a **0-indexed** integer array `answer` where:

- `answer.length == nums.length`.
- `answer[i] = |leftSum[i] - rightSum[i]|`.

Where:

- `leftSum[i]` is the sum of elements to the left of the index `i` in the array `nums`. If there is no such element, `leftSum[i] = 0`.
- `rightSum[i]` is the sum of elements to the right of the index `i` in the array `nums`. If there is no such element, `rightSum[i] = 0`.

Return the array `answer`.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

Input: `nums = [10,4,8,3]`
Output: `[15,1,11,22]`
Explanation: The array `leftSum` is `[0,10,14,22]` and the array `rightSum` is `[15,11,3,0]`.
The array `answer` is `[|0 - 15|, |10 - 11|, |14 - 3|, |22 - 0|] = [15,1,11,22]`.

Example 2:

Input: `nums = [1]`
Output: `[0]`
Explanation: The array `leftSum` is `[0]` and the array `rightSum` is `[0]`.
The array `answer` is `[|0 - 0|] = [0]`.

Constraints:

- `1 <= nums.length <= 1000`
- `1 <= nums[i] <= 105`

JavaScript

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⚙️

```
1 const sm = (a) => a.reduce(((x, y) => x + y), 0);
2
3 const leftRigthDifference = (a) => {
4   let lsum = 0, sum = sm(a), n = a.length, res = [];
5   for (let i = 0; i < n; i++) {
6     res.push(Math.abs(lsum - (sum - lsum - a[i])));
7     lsum += a[i];
8   }
9   return res;
10 };
```

☐ Custom Testcase

Use Example Testcases

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