

5610. Sum of Absolute Differences in a Sorted Array

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You are given an integer array `nums` sorted in **non-decreasing** order.

Build and return an integer array `result` with the same length as `nums` such that `result[i]` is equal to the **summation of absolute differences** between `nums[i]` and all the other elements in the array.

In other words, `result[i]` is equal to `sum(|nums[i]-nums[j]|)` where `0 <= j < nums.length` and `j != i` (**0-indexed**).

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

Example 1:

Input: `nums = [2,3,5]`
Output: `[4,3,5]`
Explanation: Assuming the arrays are 0-indexed, then
`result[0] = |2-2| + |2-3| + |2-5| = 0 + 1 + 3 = 4,`
`result[1] = |3-2| + |3-3| + |3-5| = 1 + 0 + 2 = 3,`
`result[2] = |5-2| + |5-3| + |5-5| = 3 + 2 + 0 = 5.`

Example 2:

Input: `nums = [1,4,6,8,10]`
Output: `[24,15,13,15,21]`

Constraints:

- `2 <= nums.length <= 105`
- `1 <= nums[i] <= nums[i + 1] <= 104`

JavaScript

```
1 /**
2  * @param {number[]} nums
3  * @return {number[]}
4  */
5 var getSumAbsoluteDifferences = function(nums) {
6
7 };
```

☐ Custom Testcase

Use Example Testcases

Run

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