# 5897. Partition Array Into Two Arrays to Minimize Sum Difference

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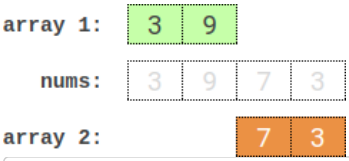
|---|---|
| User Accepted: | 0 |
| User Tried: | 0 |
| Total Accepted: | 0 |
| Total Submissions: | 0 |
| Difficulty: | Hard |

You are given an integer array `nums` of `2 * n` integers. You need to partition `nums` into **two** arrays of length `n` to **minimize the absolute difference** of the **sums** of the arrays. To partition `nums`, put each element of `nums` into **one** of the two arrays.

Return *the **minimum** possible absolute difference*.

**Example 1:**

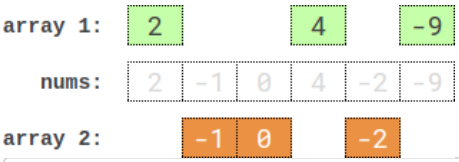



```
Input: nums = [3,9,7,3]
Output: 2
Explanation: One optimal partition is: [3,9] and [7,3].
The absolute difference between the sums of the arrays is abs((3 + 9) - (7 + 3)) = 2.
```

**Example 2:**

```
Input: nums = [-36,36]
Output: 72
Explanation: One optimal partition is: [-36] and [36].
The absolute difference between the sums of the arrays is abs((-36) - (36)) = 72.
```

**Example 3:**




```
Input: nums = [2,-1,0,4,-2,-9]
Output: 0
Explanation: One optimal partition is: [2,4,-9] and [-1,0,-2].
The absolute difference between the sums of the arrays is abs((2 + 4 + -9) - (-1 + 0 + -2)) = 0.
```

**Constraints:**

- `1 <= n <= 15`
- `nums.length == 2 * n`
- $-10^7$ `<= nums[i] <=` $10^7$

JavaScript

```
/**
 * @param {number[]} nums
 * @return {number}
 */
var minimumDifference = function(nums) {

};
```