2422. Merge Operations to Turn Array Into a Palindrome Premium Medium ♥ Topics ② Companies ۞ Hint You are given an array nums consisting of **positive** integers. You can perform the following operation on the array **any** number of times: Choose any two adjacent elements and replace them with their sum. • For example, if nums = [1,2,3,1], you can apply one operation to make it [1,5,1]. Return the **minimum** number of operations needed to turn the array into a **palindrome**. Example 1: **Input:** nums = [4,3,2,1,2,3,1]Output: 2 Explanation: We can turn the array into a palindrome in 2 operations as follows: - Apply the operation on the fourth and fifth element of the array, nums becomes equal to [4,3,2,3,3,1]. - Apply the operation on the fifth and sixth element of the array, nums becomes equal to [4,3,2,3,4]. The array [4,3,2,3,4] is a palindrome. It can be shown that 2 is the minimum number of operations needed. Example 2: **Input:** nums = [1,2,3,4]Output: 3 Explanation: We do the operation 3 times in any position, we obtain the array [10] at the end which is a palindrome. Constraints: • 1 <= nums.length <= 10⁵ • 1 <= nums[i] <= 10⁶ Seen this question in a real interview before? 1/5 Yes No Accepted 14.4K Submissions 20.9K Acceptance Rate 69.1% ♥ Topics Array Two Pointers Greedy **Companies** 0 - 3 months TikTok 3 0 - 6 months Accolite 2 Adobe 2 Amazon 2 6 months ago Oracle 2 O Hint 1 Can you find how many operations are needed to make the first element of the array equal to the last element? O Hint 2 Notice that you can use the same idea of the previous hint to make the second element equal to the second last one. O Hint 3 Use the same idea until all elements of the array are used. Discussion (9) Copyright © 2024 LeetCode All rights reserved