2599. Make the Prefix Sum Non-negative Premium Medium ♥ Topics 🖫 Companies 🗘 Hint You are given a **0-indexed** integer array nums. You can apply the following operation any number of times: Pick any element from nums and put it at the end of nums. The prefix sum array of nums is an array prefix of the same length as nums such that prefix[i] is the sum of all the integers nums[j] where j is in the inclusive range [0, i]. Return the minimum number of operations such that the prefix sum array does not contain negative integers. The test cases are generated such that it is always possible to make the prefix sum array non-negative. Example 1: **Input:** nums = [2,3,-5,4]Output: 0 Explanation: we do not need to do any operations. The array is [2,3,-5,4]. The prefix sum array is [2, 5, 0, 4]. Example 2: **Input:** nums = [3,-5,-2,6]Output: 1 Explanation: we can do one operation on index 1. The array after the operation is [3,-2,6,-5]. The prefix sum array is [3, 1, 7, 2]. Constraints: • 1 <= nums.length <= 10⁵ • $-10^9 <= nums[i] <= 10^9$ Seen this question in a real interview before? 1/5 Yes No Accepted 2.1K Submissions 4.3K Acceptance Rate 48.3% ♥ Topics Array Greedy Heap (Priority Queue) **©** Companies 0 - 6 months Microsoft 2 Q Hint 1 There will always be a way to make the prefix sum non-negative. How can we use that? O Hint 2 Loop over the array keeping the prefix sum. Whenever it goes negative, move the smallest number you have seen to the end. **₹** Similar Questions Furthest Building You Can Reach Medium Discussion (1) Copyright © 2024 LeetCode All rights reserved