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Solution

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1658. Minimum Operations to Reduce X to Zero

Medium 3338 70 Add to List Share

You are given an integer array `nums` and an integer `x`. In one operation, you can either remove the leftmost or the rightmost element from the array `nums` and subtract its value from `x`. Note that this **modifies** the array for future operations.

Return the *minimum number of operations to reduce `x` to **exactly** 0* if it is possible, otherwise, return `-1`.

Example 1:

Input: `nums = [1,1,4,2,3]`, `x = 5`
Output: 2
Explanation: The optimal solution is to remove the last two elements to reduce `x` to zero.

Example 2:

Input: `nums = [5,6,7,8,9]`, `x = 4`
Output: -1

Example 3:

Input: `nums = [3,2,20,1,1,3]`, `x = 10`
Output: 5
Explanation: The optimal solution is to remove the last three elements and the first two elements (5 operations in total) to reduce `x` to zero.

Constraints:

- `1 <= nums.length <= 10^5`
- `1 <= nums[i] <= 10^4`
- `1 <= x <= 10^9`

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class Solution {

public int minOperations(int[] nums, int x) {

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