

# 1658. Minimum Operations to Reduce X to Zero

## Description

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 <= 105`
- `1 <= nums[i] <= 104`
- `1 <= x <= 109`

