





Minimum Operations

to Reduce X to Zero

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1658. Minimum Operations to Reduce X to Zero

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.

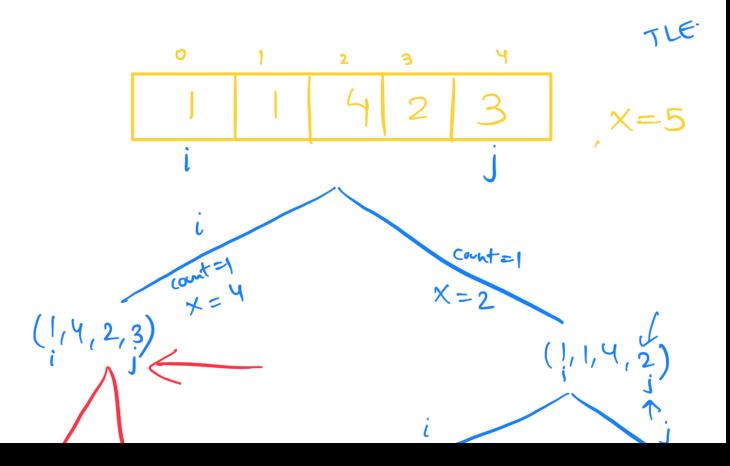
Example 1:

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.

Take Not Take

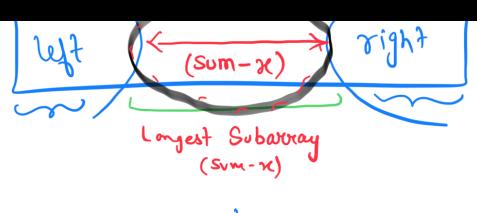


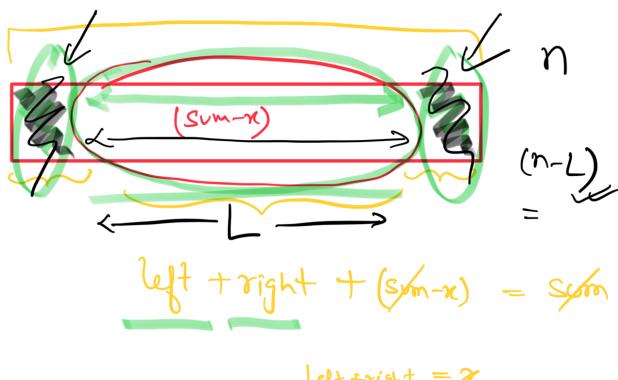
Better Approach

 $X = \mathcal{F}$

0	t	2	3	٩	c _	6	7	8
3	2	J	l	1	1)	3	1

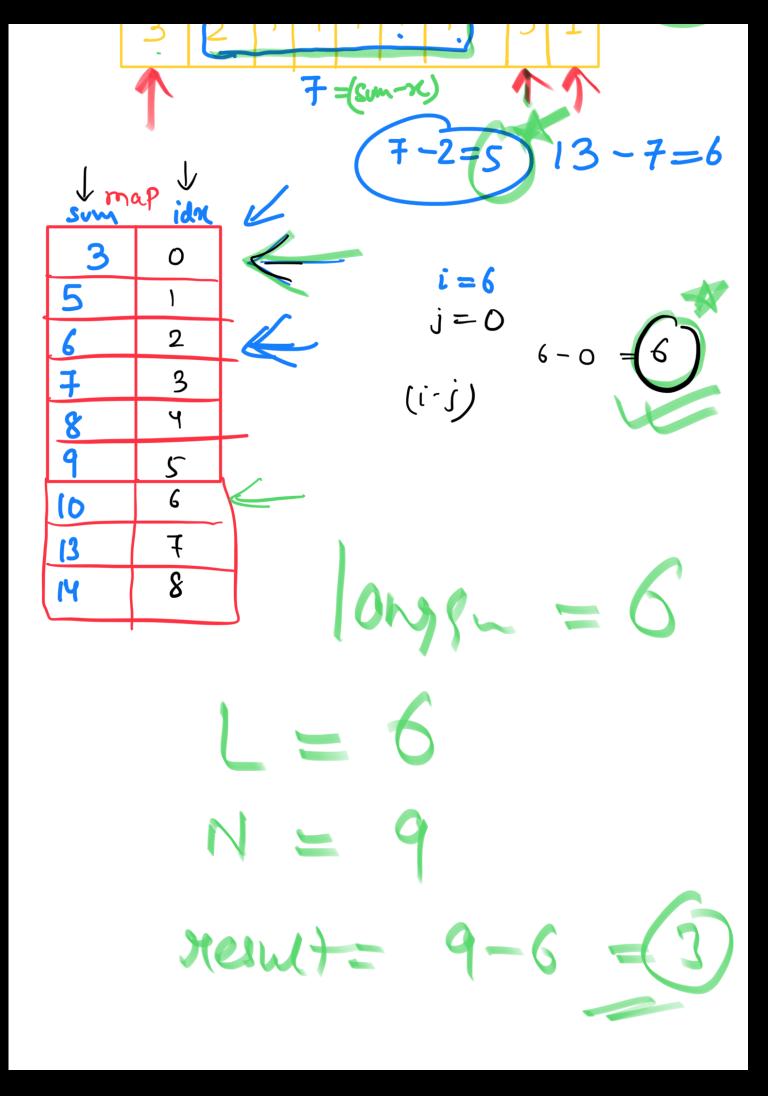
Sum





Sum =
$$14$$

twiget = $(svm-x) = 14-7=7$
0 1 2 3 4 5 6 7 8



Small Edge Case:



