1749. Maximum Absolute Sum of Any Subarray

Medium ♥ Topics ♠ Companies ♥ Hint

You are given an integer array [nums]. The **absolute sum** of a subarray $[nums_1]$, $nums_{l+1}$, ..., $nums_{l-1}$, $nums_{l+1}$ + ... + $nums_{l-1}$ + $nums_{l}$).

Return the maximum absolute sum of any (possibly empty) subarray of nums.

Note that abs(x) is defined as follows:

- If x is a negative integer, then abs(x) = -x.
- If x is a non-negative integer, then abs(x) = x.

Example 1:

Input: nums = [1,-3,2,3,-4]

Output: 5

Explanation: The subarray [2,3] has absolute sum = abs(2+3) = abs(5) = 5.

Example 2:

Input: nums = [2,-5,1,-4,3,-2]

Output: 8

Explanation: The subarray [-5,1,-4] has absolute sum = abs(-5+1-4) = abs(-8) = 8.

Cherk Max Subarry Sum

1. -3. 2. 3. -4 is find the max only sub ending out

-> give fixed [[...], remove prefix MAXI. De get cum-max notice: removing pretix is repeating work. so, find a parteen -> maintain a prefix sum arry nums: 1, -3, 2, 3, -4 prefx_sum: 1,-2.0, 3. -1 earl time end att i. car = nams [i] we vars to Curr-pre-min = min (pretin sum (:i))
mantan tun
mantan tun temp = max (abs (cum - cum-pre_min), abs (cum - cum.pre_max)

5ms 21ms 37ms 53ms 68ms 84ms 100ms 116ms

i res

17 18

Ln 11, Col 62 | Saved

2° prefix-nin/max is for next