Maximum Subarray (53)

we ned to find the sum of the subarray with maximum sum. We can notice three things

- (i) Adding a negative or positive number to an already negative substructed does not help.
- (ii) so, we check if the sum of previous elements. is negative, if not, we add the current element. If it is negative, we leave the current element as it is.
- (iii) max of this new modified array is our onswer.

CODE

ent max Subarray (vector 2int > d nums) {

for (int i=1; i < nums. size(); i++) {

if (nums[i-1] > 0) {

nums[i] = nums[i] + nums[i-1]

}

return +max-element (nums begin (), nums.
end ())

z .