**SOLUTION**

class Solution {

public:

int maxSubArray(vector<int>& nums) {

int cur=nums[0];

int su=nums[0];

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

cur=max(nums[i],cur+nums[i]);

su=max(su,cur);

}

return su;

}

};

**TIME COMPLEXITY: O(N)**

**SPACE COMPLEXITY: O(1)**