

53. Maximum Subarray

Question Editorial Solution

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- Total Accepted: **127462**
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- Difficulty: **Medium**

Find the contiguous subarray within an array (containing at least one number) which has the largest sum.

For example, given the array `[-2,1,-3,4,-1,2,1,-5,4]`,

the contiguous subarray `[4,-1,2,1]` has the largest sum = 6.

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```
class Solution {
public:
    int maxSubArray(vector<int>& nums) {
        int n = nums.size();
        int b=0;int max = nums[0];
        for(int i=0;i<n;i++)
        {
            if(b>0) b+=nums[i];
            else{
                b=nums[i];
            }
            if(b>max) max=b;
        }
        return max;
    }
};
```