

Maximum Subarray

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Total

Question

Solution

Accepted:

74239 Total Submissions: 214117 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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Python ▼



```
1 class Solution(object):
2     def maxSubArray(self, nums):
3         """
4         :type nums: List[int]
5         :rtype: int
6         """
7         max=-2147483648;sum=0
8         for i in range(len(nums)):
9             sum+=nums[i]
10            max=max if max>sum else sum
11            if sum<0:sum=0
12        return max
```

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