Source Code:

```
def max_subarray_sum(nums):
    max_sum = current_sum = nums[0]
    for num in nums[1:]:
        current_sum = max(num, current_sum + num)
        max_sum = max(max_sum, current_sum)
    return max_sum
n = int(input())
nums = list(map(int, input().split()))
result = max_subarray_sum(nums)
print(result)
```

