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.

For this problem, return the maximum sum.

> **NOTE:** You only need to implement the given function. Do not read input, instead use the arguments to the function. Do not print the output, instead return values as specified. Still have a doubt? CheckoutSample Codes for more details.

See Expected Output