Given an array ${\bf arr}$ of ${\bf N}$ integers. Find the contiguous sub-array with maximum sum.

Example 1:

```
Input:
N = 5
arr[] = {1,2,3,-2,5}
Output:
9
Explanation:
Max subarray sum is 9
of elements (1, 2, 3, -2, 5) which
is a contiguous subarray.
```

Example 2:

```
Input:
N = 4
arr[] = {-1,-2,-3,-4}
Output:
-1
Explanation:
Max subarray sum is -1
of element (-1)
```

Your Task:

You don't need to read input or print anything. The task is to complete the function **maxSubarraySum**() which takes arr and N as input parameters and returns the sum of subarray with maximum sum.

Expected Time Complexity: O(N) **Expected Auxiliary Space:** O(1)

Constraints:

 $1 \le N \le 10^6$ -10⁷ \le A[i] \le = 10⁷