Subarray of length 2

Given an array A[] of N elements.

In one operation, you can select any subarray of **length 2** and multiply all elements of that subarray by **-1**. You can do any number of operations (possibly zero).

Your task is to maximize the sum of all elements of all subarrays of A[].

Example 1:

```
Input:
N = 3
A[] = {-1, -2, -3}
Output: 14
Explanation:
We can do 1 operation on subarray from index = 2 to index = 3. After performing the operation, modified array A[] = {-1, 2, 3}. All subarrays of the modified array A[] are [-1], [2], [3], [-1, 2], [2, 3] and [-1, 2, 3]. Thus total sum of all subarrays is 14. This is the maximum sum which we can get by performing the operations.
```

Example 2:

```
Input:
N = 2
A[] = {0, 1}
Output: 2
Explanation: There is no need to do any
operation. All subarrays of the array A[]
are [0], [1] and [0, 1] and sum of all
subarrays = 0 + 1 + 1 = 2.
```

Your Task:

You don't need to read input or print anything. Your task is to complete the function maxSum() which takes the array A[] and its size N as input parameters and returns the maximum sum of all subarrays after performing the above operations zero or more times optimally.

Constraints:

$$1 \le N \le 10^5$$

$$-10^3 \le A[i] \le 10^3$$