Length of the longest subarray with positive product

Given an array **arr[]** consisting of **n** integers, find the length of the longest subarray with **positive (non zero) product**.

Example 1:

```
Input:
arr[] ={0, 1, -2, -3, -4}
Output:
3
Explanation:
The longest subarray with positive product is:
{1, -2, -3}.Therefore, the required length is 3.
```

Example 2:

```
Input:
arr[]={-1, -2, 0, 1, 2}
Output:
2
Explanation:
The longest subarray with positive products
are: {-1, -2}, {1, 2}. Therefore, the required
length is 2.
```

Your Task: This is a function problem. You don't need to take any input, as it is already accomplished by the driver code. You just need to complete the function **maxLength**() that takes array **arr[],** and an integer **n** as parameters and

return the length of the longest subarray where the product of all of its element is positive.

Expected Time Complexity: O(n).
Expected Auxiliary Space: O(1).

Constraints:
$1<=n<=10^5$
$-10^9<=arr[i]<=10^9$