159. Longest Substring with At Most Two Distinct Characters

Medium   👍 848   👎 16   ♡ Add to List   ↗ Share

Given a string **s** , find the length of the longest substring **t** that contains **at most** 2 distinct characters.

Example 1:

```
Input: "eceba"
Output: 3
Explanation: t is "ece" which its length is 3.
```

Example 2:

```
Input: "ccaabbb"
Output: 5
Explanation: t is "aabbb" which its length is 5.
```

```cpp
int lengthOfLongestSubstringTwoDistinct(string s)
{
    int n = s.length();
    vector<int> freq(128, 0);
    int si =0, ei =0, count =0, len = 0;
    while (ei < n)
    {
        if (freq[s[ei++]]++ == 0)
            count++;
        while (count > 2)
            if (freq[s[si++]]-- == 1)
                count--;
        len=max(len,ei-si);
    }
    return len;
}
```