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Medium ⊘ Topics ♠ Companies ♀ Hint
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Given a string s consisting only of characters a, b and c.

Return the number of substrings containing at least one occurrence of all these characters a, b and c.

Example 1:

```
Input: s = "abcabc"
Output: 10
Explanation: The substrings containing at least one occurrence of the characters a, b and c are "abc", "abca", "abcab", "abcabc", "bcabc", "bcabc", "cabc" and "abc" (again).
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Example 2:

```
Input: s = "aaacb"
Output: 3
Explanation: The substrings containing at least one occurrence of the characters a, b and c are "aaacb", "aacb" and "acb".
```

Example 3:

```
Input: s = "abc"
Output: 1
```

Constraints:

- 3 <= s.length <= 5 x 10^4
- s only consists of a, b or c characters.

Approach 1:

```
class Solution {
public:
    int numberOfSubstrings(string s) {
        int ans=0;
        unordered_map<char,int> m={{'a',0},{'b',0},{'c',0}};
        int l=0, r=0;
        int n=s.length();
        while(r<n){</pre>
            if(r<n) m[s[r]]++;;
            if(m['a'] >0 && m['b'] >0 && m['c'] >0){
                while(m['a'] > 0 \&\& m['b'] > 0 \&\& m['c'] > 0){
                     ans=ans+n-r;
                     m[s[l]]--;
                     l++;
                 }
            }
            r++;
        }
        return ans;
                                  (n): 0(n+n)
    }
};
                                  S(n): 0 (3)
```