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", "bca", "bcab", "bcabc", "cab", "cabc" and "abc" (again).

**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.