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// https://www.geeksforgeeks.org/count-substrings-of-a-given-string-whose-anagram-
is-a-palindrome/
#include <bits/stdc++.h>
using namespace std;
void countSubstring(string s)
{
        int answer = 0;
        unordered_map<int, int> m;
        m[0] = 1;
        int x = 0;
        for (int j = 0; j < s.length(); j++) {
                x ^= 1 << (s[j] - 'a');
                answer += m[x];
                for (int i = 0; i < 26; ++i) {
    answer += m[x \land (1 << i)];
                m[x] += 1;
        }
        cout << answer;</pre>
}
int main()
{
        string str = "abab";
        countSubstring(str);
        return 0;
}
// C++ program for the above approach
#include <bits/stdc++.h>
using namespace std;
// Function to print count of substrings
// whose anagrams are palindromic
void countSubstring(string s)
{
        // Stores the answer
        int res = 0;
        // Iterate over the string
        for (int i = 0;
                i < s.length(); i++) {
                int x = 0;
                for (int j = i;
                        j < s.length(); j++) {</pre>
                        // Set the current character
                        int temp = 1 << s[j] - 'a';</pre>
                        // Parity update
                        x ^= temp;
```