

1358. Number of Substrings Containing All Three Characters

Description

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 104`
- `s` only consists of `a`, `b` or `c` characters.

