

2083. Substrings That Begin and End With the Same Letter

Description

You are given a **0-indexed** string `s` consisting of only lowercase English letters. Return *the number of substrings in `s` that begin and end with the same character*.

A **substring** is a contiguous non-empty sequence of characters within a string.

Example 1:

Input: `s = "abcba"`

Output: 7

Explanation:

The substrings of length 1 that start and end with the same letter are: "a", "b", "c", "b", and "a".

The substring of length 3 that starts and ends with the same letter is: "bcb".

The substring of length 5 that starts and ends with the same letter is: "abcba".

Example 2:

Input: `s = "abacad"`

Output: 9

Explanation:

The substrings of length 1 that start and end with the same letter are: "a", "b", "a", "c", "a", and "d".

The substrings of length 3 that start and end with the same letter are: "aba" and "aca".

The substring of length 5 that starts and ends with the same letter is: "abaca".

Example 3:

Input: `s = "a"`

Output: 1

Explanation:

The substring of length 1 that starts and ends with the same letter is: "a".

Constraints:

- `1 <= s.length <= 105`
- `s` consists only of lowercase English letters.

