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OTRINGS

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Leetcode - 1930 (1937)

Unique Length-3

Palindromic Subsequences

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1930. Unique Length-3 Palindromic Subsequences

Hint

Medium







6 Companies

Given a string s, return the number of unique palindromes of length three that are a subsequence of s.

Note that even if there are multiple ways to obtain the same subsequence, it is still only counted once.

A **palindrome** is a string that reads the same forwards and backwards.

A **subsequence** of a string is a new string generated from the original string with some characters (can be none) deleted without changing the relative order of the remaining characters.

For example, "ace" is a subsequence of "<u>abcde</u>".

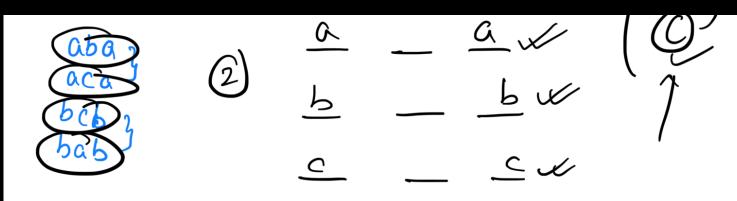
Example:

$$S = "abaca"$$

d Intuition

3 length Palindrome

$$\begin{array}{c} C & b & a & c & a \\ C & b & a & c & a \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c & c & c \\ C & c & c \\ C & c & c & c \\ C & c & c & c \\ C & c & c \\ C & c & c \\ C & c & c \\$$



```
\int \Rightarrow Set = \{a, b, c\}
\Rightarrow \hat{0}, \hat{1}
\Rightarrow \hat{0}, \hat{1}
\Rightarrow it1 to j-1
1 to 2 st = \{b, c\}
Time Complexity
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Approach - 2

(o) "Q" rinhs.

 $\{a, b, c\}$ S = ``abcab''

