

809. Expressive Words

Medium

Topics



Sometimes people repeat letters to represent extra feeling. For example:

- "hello" -> "heeellooo"
- "hi" -> "iiii"

In these strings like "heeellooo", we have groups of adjacent letters that are all the same: "h", "eee", "ll", "ooo".

You are given a string s and an array of query strings words . A query word is **stretchy** if it can be made to be equal to s by any number of applications of the following extension operation: choose a group consisting of characters c , and add some number of characters c to the group so that the size of the group is **three or more**.

- For example, starting with "hello", we could do an extension on the group "o" to get "helooo", but we cannot get "heloo" since the group "oo" has a size less than three. Also, we could do another extension like "ll" -> "llll" to get "helllllooo". If $s = \text{helllllooo}$, then the query word "hello" would be **stretchy** because of these two extension operations: $\text{query} = \text{hello} \rightarrow \text{helooo} \rightarrow \text{helllllooo} = s$.

Return *the number of query strings that are stretchy*.

Example 1:

Input: $s = \text{heeellooo}$, $\text{words} = [\text{hello}, \text{hi}, \text{helo}]$

Output: 1

Explanation:

We can extend "e" and "o" in the word "hello" to get "heeellooo".

We can't extend "helo" to get "heeellooo" because the group "ll" is not size 3 or more.

Example 2:

Input: $s = \text{zzzzzyyyyy}$, $\text{words} = [\text{zzyy}, \text{zy}, \text{zyy}]$

Output: 3

Constraints:

- $1 \leq s.length, \text{words.length} \leq 100$
- $1 \leq \text{words}[i].length \leq 100$
- s and $\text{words}[i]$ consist of lowercase letters.

Seen this question in a real interview before? 1/5

Yes No

Accepted 134,314 / 287.8K | Acceptance Rate 46.7%

Topics



Discussion (33)

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