

809. Expressive Words

Solved ●

Medium Topics

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

- "hello" -> "heeellooo"
- "hi" -> "hiiii"

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 "hellooo", but we cannot get "helloo" since the group "oo" has a size less than three. Also, we could do another extension like "ll" -> "lllll" to get "helllllloo". If `s = "helllllloo"`, then the query word "hello" would be **stretchy** because of these two extension operations: `query = "hello" -> "hellooo" -> "helllllloo" = s`.

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

Example 1:

Input: `s = "heeellooo"`, `words = ["hello", "hi", "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 = "zzzzzyyyyy"`, `words = ["zzyy", "zy", "zyy"]`

Output: 3

Constraints:

- `1 <= s.length, words.length <= 100`
- `1 <= words[i].length <= 100`
- `s` and `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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