

LeetCode

Explore

Problems

Interview

Contest

Discuss

Store

LeetCode is hiring! Apply NOW.

🔔

🔥 0

👤

Description

Solution

Discuss (149)

Submissions

Java

Autocomplete

i

{ }

↺

🔄

🗖

527. Word Abbreviation

Hard 349 262 Add to List Share

Given an array of **distinct** strings `words` , return *the minimal possible **abbreviations** for every word.*

The following are the rules for a string abbreviation:

- The **initial** abbreviation for each word is: the first character, then the number of characters in between, followed by the last character.
- If more than one word shares the **same** abbreviation, then perform the following operation:
 - Increase** the prefix (characters in the first part) of each of their abbreviations by 1 .
 - For example, say you start with the words `["abcdef", "abndef"]` both initially abbreviated as `"a4f"` . Then, a sequence of operations would be `["a4f", "a4f"] -> ["ab3f", "ab3f"] -> ["abc2f", "abn2f"]` .
 - This operation is repeated until every abbreviation is **unique**.
- At the end, if an abbreviation did not make a word shorter, then keep it as the original word.

Example 1:

Input: words = ["like","god","internal","me","internet","interval","intension","face","intrusio

Output: ["l2e","god","internal","me","i6t","interval","inte4n","f2e","intr4n"]

Example 2:

Input: words = ["aa","aaa"]

Output: ["aa","aaa"]

Constraints:

- 1 <= words.length <= 400
- 2 <= words[i].length <= 400
- words[i] consists of lowercase English letters.
- All the strings of words are **unique**.

Accepted 24,481 Submissions 40,892

Seen this question in a real interview before? Yes No

Companies i

Related Topics

Similar Questions

1

2

3

4

5

class Solution {

public List<String> wordsAbbreviation(List<String> words) {

}

Problems

Pick One

< Prev 527/2314 Next >

Console

Contribute i

Run Code

Submit

https://leetcode.com/problems/word-abbreviation/

1/1