527. Word Abbreviation Premium

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♥ Topics

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

The following are the rules for a string abbreviation:

- 1. 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:

This operation is repeated until every abbreviation is unique.

- 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"].
- 3. 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", "f
ace","intrusion"]
Output:
["l2e", "god", "internal", "me", "i6t", "interval", "inte4n", "f2e", "intr
4n"]
```

Example 2:

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Output: ["aa","aaa"]
```

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

Constraints:

2 <= words[i].length <= 400

1 <= words.length <= 400

- words [i] consists of lowercase English letters.
- All the strings of words are unique.

Yes No

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

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Topics
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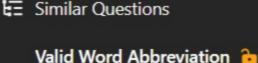
Accepted 28.5K Submissions 46.4K Acceptance Rate 61.3%

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String Greedy
                          Trie
                                Sorting
    Array
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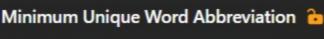
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Applied Intuition (3)
0 - 6 months
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0 - 3 months

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Google 2
         Snap 2
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Discussion (5)







Easy

Hard

Easy













