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Description

Solution

Discuss (999+)

Submissions

648. Replace Words

Medium

1796

160

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In English, we have a concept called **root**, which can be followed by some other word to form another longer word - let's call this word **successor**. For example, when the **root** "an" is followed by the **successor** word "other", we can form a new word "another".

Given a `dictionary` consisting of many **roots** and a `sentence` consisting of words separated by spaces, replace all the **successors** in the sentence with the **root** forming it. If a **successor** can be replaced by more than one **root**, replace it with the **root** that has **the shortest length**.

Return *the sentence* after the replacement.

**Example 1:**

**Input:** `dictionary = ["cat","bat","rat"], sentence = "the cattle was rattled by the battery"`  
**Output:** "the cat was rat by the bat"

**Example 2:**

**Input:** `dictionary = ["a","b","c"], sentence = "aadsfasf absbs bbab cadsfafs"`  
**Output:** "a a b c"

**Constraints:**

- `1 <= dictionary.length <= 1000`
- `1 <= dictionary[i].length <= 100`
- `dictionary[i]` consists of **only lower-case letters**.
- `1 <= sentence.length <= 106`
- `sentence` consists of **only lower-case letters** and spaces.
- The number of words in `sentence` is in the range `[1, 1000]`
- The length of each word in `sentence` is in the range `[1, 1000]`
- Every two consecutive words in `sentence` will be separated by exactly one space.
- `sentence` does not have leading or trailing spaces.

Accepted 110,323 Submissions 175,937

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No

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```
class Solution {
    public String replaceWords(List<String> dictionary, String sentence) {
    }
}
```

Problems

Pick One

< Prev

648/2463

Next >

Console

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Run Code ^

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