

Verifying an Alien Dictionary

Try to solve the Verifying an Alien Dictionary problem.

We'll cover the following

- Statement
- Examples
- Understand the problem
- Figure it out!
- Try it yourself

Statement

You're given a list of words with lowercase English letters in a different order, written in an alien language. The order of the alphabet is some permutation of lowercase letters of the English language.

We have to return TRUE if the given list of words is sorted lexicographically in this alien language.

Constraints:

- $1 \leq \text{words.length} \leq 100$
- $1 \leq \text{words}[i].\text{length} \leq 20$
- $\text{order.length} == 26$
- All the characters in `words[i]` and `order` are lowercase English letters.

Examples

1 of 4



Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Verifying an Alien Dictionary

1

What is the output if the following list of words and order are given as input?

words = ["wrt", "wrf", "er", "ett", "rftt"]

order = "hlabcdgiwjkmnopqerstfuvxyz"

A) TRUE

B) FALSE

Submit Answer



Question 1 of 4
0 attempted



Reset Quiz ↺

Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



Drag and drop the cards to rearrange them in the correct sequence.

Store the ranking of each letter from the order string in the data structure.

Iterate over the two adjacent words in the words list.

If words[i + 1] ends before words[i], return FALSE.

Else, if the characters in both of the words are different and words are in correct order, exit and move to the next two adjacent words.

Else, return FALSE if the characters are different in



both words and words are not in correct order.

At the end of the loop, all of the adjacent words have been examined, which ensures that all of the words are sorted. Therefore, return TRUE.

Reset

Show Solution

Submit

Try it yourself



Java



usercode > VerifyDictionary.java

```
1 import java.util.*;
2
3 class VerifyDictionary {
4     public static boolean verifyAlienDictionary(String[] words, String order) {
5         // Write your code here
6         return false;
7     }
8 }
```

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Test Cases Results

Case 1

Case 2

Case 3

Input #1

["h"]

Input #2

"hlabcdgijkmnopqrstuvwxy"

Verify Alien Dictionary

← Back

Next →

Solution: Alien Diction...

Solution: Verifying an ...

✓ Mark as Completed



