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953. Verifying an Alien Dictionary

Easy

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886

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In an alien language, surprisingly, they also use English lowercase letters, but possibly in a different `order`. The `order` of the alphabet is some permutation of lowercase letters.

Given a sequence of `words` written in the alien language, and the `order` of the alphabet, return `true` if and only if the given `words` are sorted lexicographically in this alien language.

Example 1:

Input:

words = ["hello", "leetcode"], order = "hlabcdefgijklmnopqrstuvwxyz"

Output:

true

Explanation:

As 'h' comes before 'l' in this language, then the sequence is sorted.

Example 2:

Input:

words = ["word", "world", "row"], order = "worldabcefg hijkmnpqstuvxyz"

Output:

false

Explanation:

As 'd' comes after 'l' in this language, then words[0] > words[1], hence the sequence is unsorted.

Example 3:

Input:

words = ["apple", "app"], order = "abcdefghijklmnopqrstuvwxyz"

Output:

false

Explanation:

The first three characters "app" match, and the second string is shorter (in size.) According to lexicographical rules "apple" > "app", because 'l' > '∅', where '∅' is defined as the blank character which is less than any other character (More info).

Constraints:

•

1 <= words.length <= 100

•

1 <= words[i].length <= 20

•

order.length == 26

•

All characters in words[i] and order are English lowercase letters.

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No

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class Solution {

public boolean isAlienSorted(String[] words, String order) {

}

}

Problems

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Console

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Run Code

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https://leetcode.com/problems/verifying-an-alien-dictionary/

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