

953. Verifying an Alien Dictionary

Easy

 Topics

 Companies

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

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 not sorted.

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 the alien language's grammar, "apple" comes before "app".

Constraints:

- `1 <= words.length <= 100`
- `1 <= words[i].length <= 20`
- `order.length == 26`
- All characters in `words[i]` and `order` are English lowercase letters.

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

Accepted **490.4K** Submissions **894.6K** Acceptance Rate **54.8%**

 Topics

 Companies

 Discussion (109)