

Problem 1961: Check If String Is a Prefix of Array

Problem Information

Difficulty: Easy

Acceptance Rate: 52.72%

Paid Only: No

Tags: Array, Two Pointers, String

Problem Description

Given a string `s` and an array of strings `words`, determine whether `s` is a **prefix string** of `words`.

A string `s` is a **prefix string** of `words` if `s` can be made by concatenating the first `k` strings in `words` for some **positive** `k` no larger than `words.length`.

Return `true` _if_ `s` _is a**prefix string** of _`words` _, or_ `false` _otherwise_.

Example 1:

Input: s = "iloveleetcode", words = ["i", "love", "leetcode", "apples"] **Output:** true

Explanation: s can be made by concatenating "i", "love", and "leetcode" together.

Example 2:

Input: s = "iloveleetcode", words = ["apples", "i", "love", "leetcode"] **Output:** false

Explanation: It is impossible to make s using a prefix of arr.

Constraints:

* `1 <= words.length <= 100` * `1 <= words[i].length <= 20` * `1 <= s.length <= 1000` *
`words[i]` and `s` consist of only lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:  
    bool isPrefixString(string s, vector<string>& words) {  
  
    }  
};
```

Java:

```
class Solution {  
public boolean isPrefixString(String s, String[] words) {  
  
}  
}
```

Python3:

```
class Solution:  
    def isPrefixString(self, s: str, words: List[str]) -> bool:
```