Problem 2255: Count Prefixes of a Given String

Problem Information

Difficulty: Easy
Acceptance Rate: 74.13%
Paid Only: No
Tags: Array, String

Problem Description

You are given a string array `words` and a string `s`, where `words[i]` and `s` comprise only of **lowercase English letters**.

Return _the**number of strings** in_ `words` _that are a**prefix** of_ `s`.

A **prefix** of a string is a substring that occurs at the beginning of the string. A **substring** is a contiguous sequence of characters within a string.

Example 1:

Input: words = ["a","b","c","ab","bc","abc"], s = "abc" **Output:** 3 **Explanation:** The strings in words which are a prefix of s = "abc" are: "a", "ab", and "abc". Thus the number of strings in words which are a prefix of s is 3.

Example 2:

Input: words = ["a","a"], s = "aa" **Output:** 2 **Explanation:** Both of the strings are a prefix of s. Note that the same string can occur multiple times in words, and it should be counted each time.

Constraints:

* `1 <= words.length <= 1000` * `1 <= words[i].length, s.length <= 10` * `words[i]` and `s` consist of lowercase English letters **only**.

Code Snippets

C++:

```cpp
class Solution {
public:
int countPrefixes(vector<string>& words, string s) {


}
};
```

Java:

```java
class Solution {
public int countPrefixes(String[] words, String s) {


}
}
```

Python3:

```python
class Solution:
def countPrefixes(self, words: List[str], s: str) -> int:
```