Problem 1935: Maximum Number of Words You Can Type

Problem Information

Difficulty: Easy
Acceptance Rate: 82.88%
Paid Only: No
Tags: Hash Table, String

Problem Description

There is a malfunctioning keyboard where some letter keys do not work. All other keys on the keyboard work properly.

Given a string `text` of words separated by a single space (no leading or trailing spaces) and a string `brokenLetters` of all **distinct** letter keys that are broken, return _the**number of words** in_ `text` _you can fully type using this keyboard_.

Example 1:

Input: text = "hello world", brokenLetters = "ad" **Output:** 1 **Explanation:** We cannot type "world" because the 'd' key is broken.

Example 2:

Input: text = "leet code", brokenLetters = "lt" **Output:** 1 **Explanation:** We cannot type "leet" because the 'l' and 't' keys are broken.

Example 3:

Input: text = "leet code", brokenLetters = "e" **Output:** 0 **Explanation:** We cannot type either word because the 'e' key is broken.

Constraints:

* `1 <= text.length <= 104` * `0 <= brokenLetters.length <= 26` * `text` consists of words separated by a single space without any leading or trailing spaces. * Each word only consists of lowercase English letters. * `brokenLetters` consists of **distinct** lowercase English letters.

Code Snippets

C++:

```
class Solution {
public:
int canBeTypedWords(string text, string brokenLetters) {

}
};
```

Java:

```
class Solution {
public int canBeTypedWords(String text, String brokenLetters) {

}
}
```

Python3:

```
class Solution:
def canBeTypedWords(self, text: str, brokenLetters: str) -> int:
```