Problem 1419: Minimum Number of Frogs Croaking

Problem Information

Difficulty: Medium
Acceptance Rate: 51.01%
Paid Only: No
Tags: String, Counting

Problem Description

You are given the string `croakOfFrogs`, which represents a combination of the string `"croak"` from different frogs, that is, multiple frogs can croak at the same time, so multiple `"croak"` are mixed.

Return the minimum number of different _frogs to finish all the croaks in the given string._

A valid `"croak"` means a frog is printing five letters `'c'`, `'r'`, `'o'`, `'a'`, and `'k'` **sequentially**. The frogs have to print all five letters to finish a croak. If the given string is not a combination of a valid `"croak"` return `-1`.

Example 1:

Input: croakOfFrogs = "croakcroak" **Output:** 1 **Explanation:** One frog yelling "croak**"**" twice.

Example 2:

Input: croakOfFrogs = "crcoakroak" **Output:** 2 **Explanation:** The minimum number of frogs is two. The first frog could yell "**cr** c**oak** roak". The second frog could yell later "cr**c** oak**roak** ".

Example 3:

Input: croakOfFrogs = "croakcrook" **Output:** -1 **Explanation:** The given string is an invalid combination of "croak**"**" from different frogs.

Constraints:

* `1 <= croakOfFrogs.length <= 105` * `croakOfFrogs` is either `'c'`, `'r'`, `'o'`, `'a'`, or `'k'`.

Code Snippets

C++:

```
class Solution {
public:
int minNumberOfFrogs(string croakOfFrogs) {


}
};
```

Java:

```
class Solution {
public int minNumberOfFrogs(String croakOfFrogs) {


}
}
```

Python3:

```
class Solution:
def minNumberOfFrogs(self, croakOfFrogs: str) -> int:
```