1933. Check if String Is Decomposable Into Value-Equal Substrings Premium

Easy Topics Hint

A **value-equal** string is a string where **all** characters are the same.

- For example, `"1111"` and `"33"` are value-equal strings.
- In contrast, `"123"` is not a value-equal string.

Given a digit string `s`, decompose the string into some number of **consecutive value-equal** substrings where **exactly one** substring has a **length of** `2` and the remaining substrings have a **length of** `3`.

Return `true` *if you can decompose* `s` *according to the above rules. Otherwise, return* `false`.

A **substring** is a contiguous sequence of characters in a string.

Example 1:

```
Input: s = "000111000"
Output: false
Explanation: s cannot be decomposed according to the rules because ["000", "111", "000"] does not have a substring of length 2.
```

Example 2:

```
Input: s = "00011111222"
Output: true
Explanation: s can be decomposed into ["000", "111", "11", "222"].
```

Example 3:

```
Input: s = "011100022233"
Output: false
Explanation: s cannot be decomposed according to the rules because of the first '0'.
```

Constraints:

- `1 <= s.length <= 1000`
- `s` consists of only digits `'0'` through `'9'`.

Seen this question in a real interview before? 1/5

Yes No

Accepted **3.9K** | Submissions **7.6K** | Acceptance Rate **51.0%**

Topics

String

Hint 1

Keep looking for 3-equals, if you find a 3-equal, keep going. If you don't find a 3-equal, check if it is a 2-equal.

Hint 2

Make sure that it is the only 2-equal.

Hint 3

If it is neither a 3-equal nor a 2-equal, then it is impossible.

Discussion (4)