

1593. Split a String Into the Max Number of Unique Substrings

Description

Given a string `s`, return *the maximum number of unique substrings that the given string can be split into*.

You can split string `s` into any list of **non-empty substrings**, where the concatenation of the substrings forms the original string. However, you must split the substrings such that all of them are **unique**.

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

Example 1:

Input: `s = "ababccc"`

Output: 5

Explanation: One way to split maximally is `['a', 'b', 'ab', 'c', 'cc']`. Splitting like `['a', 'b', 'a', 'b', 'c', 'cc']` is not valid as you have 'a' and 'b' multiple times.

Example 2:

Input: `s = "aba"`

Output: 2

Explanation: One way to split maximally is `['a', 'ba']`.

Example 3:

Input: `s = "aa"`

Output: 1

Explanation: It is impossible to split the string any further.

Constraints:

- `1 <= s.length <= 16`
- `s` contains only lower case English letters.

