

2405. Optimal Partition of String

Hint ⓘ

Medium   1.9K  75  

 Companies

Given a string `s`, partition the string into one or more **substrings** such that the characters in each substring are **unique**. That is, no letter appears in a single substring more than **once**.

Return *the **minimum** number of substrings in such a partition.*

Note that each character should belong to exactly one substring in a partition.

Example 1:

**Input:** `s = "abacaba"`  
**Output:** 4  
**Explanation:**  
Two possible partitions are ("a","ba","cab","a") and ("ab","a","ca","ba").  
It can be shown that 4 is the minimum number of substrings needed.

Example 2:

**Input:** `s = "ssssss"`  
**Output:** 6  
**Explanation:**  
The only valid partition is ("s","s","s","s","s","s").

Constraints:

- `1 <= s.length <= 105`
- `s` consists of only English lowercase letters.

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Yes   No

Discussion (47) 

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