

1100. Find K-Length Substrings With No Repeated Characters

Premium

Medium Topics Companies Hint

Given a string `s` and an integer `k`, return *the number of substrings in `s` of length `k` with no repeated characters*.

Example 1:

Input: `s = "havefunonleetcode", k = 5`
Output: `6`
Explanation: There are 6 substrings they are: `'havef', 'avefu', 'vefun', 'efuno', 'etcod', 'tcode'`.

Example 2:

Input: `s = "home", k = 5`
Output: `0`
Explanation: Notice `k` can be larger than the length of `s`. In this case, it is not possible to find any substring.

Constraints:

- `1 <= s.length <= 104`
- `s` consists of lowercase English letters.
- `1 <= k <= 104`

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

Yes No

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Topics

Hash TableStringSliding Window

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Hint 1

How to check efficiently each K-length substring?

Hint 2

First store the first leftmost K-length substring in a hashTable or array of frequencies.

Hint 3

Then iterate through the rest of characters and erase the first element and add the next element from the right. If in the hashTable we have K different character we add 1 to the counter. After that return as answer the counter.

Discussion (3)