3329. Count Substrings With K-Frequency Characters II Premium

Hard Topics Hint

Given a string `s` and an integer `k`, return the total number of substrings of `s` where **at least one** character appears **at least** `k` times.

Example 1:

> **Input:** `s = "abacb", k = 2`
>
> **Output:** 4
>
> **Explanation:**
>
> The valid substrings are:
>
> - `"aba"` (character `'a'` appears 2 times).
> - `"abac"` (character `'a'` appears 2 times).
> - `"abacb"` (character `'a'` appears 2 times).
> - `"bacb"` (character `'b'` appears 2 times).

Example 2:

> **Input:** `s = "abcde", k = 1`
>
> **Output:** 15
>
> **Explanation:**
>
> All substrings are valid because every character appears at least once.

Constraints:

- `1 <= s.length <= 3 * 10^5`
- `1 <= k <= s.length`
- `s` consists only of lowercase English letters.

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

Yes No

Accepted **302** | Submissions **380** | Acceptance Rate **79.5%**

Topics

Hash Table String Sliding Window

Hint 1

If substring `[i, j]` is valid, then for all `k >= j, [i, k]` is valid too.

Hint 2

For each `i`, find `j` with a sliding window or binary search.

Discussion (0)