

SLIDING

Video-14



WINDOW

MECHANISM...

- @codestorywithmik
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Easy:



Count Complete

Substrings...

"Weekly Contest-374" ←

Company :- will update soon.

2953. Count Complete Substrings

Hint

Medium

90

25



Companies

You are given a string `word` and an integer `k`.

A substring `s` of `word` is **complete** if:

- Each character in `s` occurs **exactly** `k` times. (frequency)
- The difference between two adjacent characters is **at most** 2. That is, for any two adjacent characters `c1` and `c2` in `s`, the absolute difference in their positions in the alphabet is **at most** 2.

Return the number of complete substrings of `word`.

Example :- word = "igigee", K=2

Output = 3

2 unique
ch.

$i \rightarrow 2 = k$
 $g \rightarrow 2 = k$

"igig"
"ee"

"igigee"

$i \rightarrow 2 = k$
 $g \rightarrow 2 = k$
 $e \rightarrow 2 = k$

① freq.
② Subst / Subarray

Sliding Window ...

"How to identify ???"

(.) Count of substrings/subarray.

(.) Character's frequency is being talked about.
K.



Some important Observations



$K=2$



Dividing

(2nd condition)

"aa"

dd

ii

⇒ S

"ff"

"ddff"

②

"⁰d¹d²f³f"

K=2

dd

ff

ddff

"⁰a¹a²d³d⁴f⁵f⁶i⁷i"

,K=2



