

Ocodestorywithmik
 (Instagram, Facebook)
 cswithMIK → Twitter
 codestorywithMIK → whatsapp



OTRINGS



(Video-29)

Count

Beautiful Substring-

(Leetcode Contest - 373)



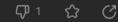
Dekal Ruil update soon...



2947. Count Beautiful Substrings II

Medium







You are given a string s and a positive integer k.

Let vowels and consonants be the number of vowels and consonants in a string.

A string is **beautiful** if:

- vowels == consonants.
- (vowels * consonants) % k == 0, in other terms the multiplication of vowels and consonants is divisible by

Return the number of **non-empty beautiful substrings** in the given string s.

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

Vowel letters in English are <code>'a'</code>, <code>'e'</code>, <code>'i'</code>, <code>'o'</code>, and <code>'u'</code>.

Consonant letters in English are every letter except vowels.

Constraints:

by Video-28

("Strings Playlist")

Done.

Approach-2...

⇒ Optimal

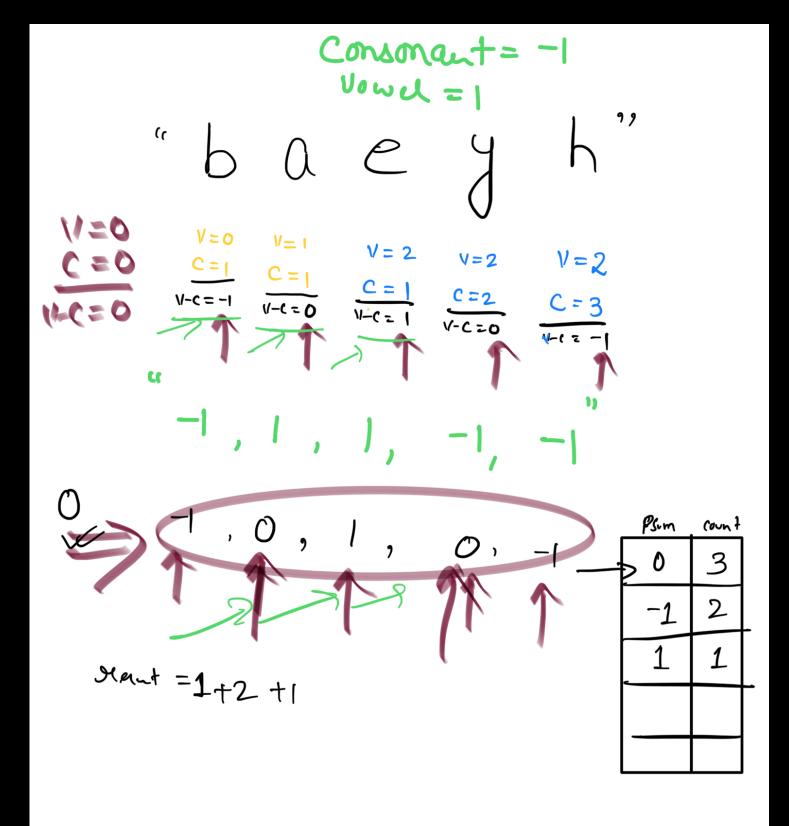
Intuition

nums =
$$(i, i, -2)$$
 $(-3, 5)$, (-2)

Prejixson = 0 { 1, 2, 0, -3, 2, 0 4

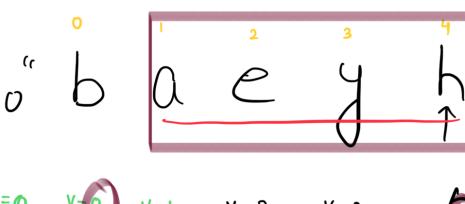
sum Map count				
0	3			
1	1			
2	2			
-3	1			





2)
$$2^{10}$$
: > (#vowels * #co-) -/. $K = = 0$

(# Vowels * # vowels) y. K = 0



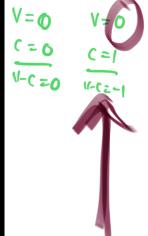
map

(int) value

(V-c) (map)

()
$$\rightarrow 1$$
 $1 \rightarrow 1$
 $0 \rightarrow 1$
 $2 \rightarrow 1$
 $1 \rightarrow 1$

K=2



V -1	V =
C=1	C =
V-C=0	V-C=

$$C=2$$

$$V-C=0$$

$$V-C=-1$$

Video Discuss Section