

5918. Count Vowel Substrings of a String

My Submissions (/contest/weekly-contest-266/problems/count-vowel-substrings-of-a-string/submissions/)

Back to Contest (/contest/weekly-contest-266/)

A **substring** is a contiguous (non-empty) sequence of characters within a string.

A **vowel substring** is a substring that **only** consists of vowels ('a' , 'e' , 'i' , 'o' , and 'u') and has **all five** vowels present in it.

Given a string `word` , return the number of **vowel substrings** in `word` .

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

Input: `word = "aeiouu"`
Output: `2`
Explanation: The vowel substrings of `word` are as follows (underlined):
– "aeiouu"
– "aeiouu"

Example 2:

Input: `word = "unicornarihan"`
Output: `0`
Explanation: Not all 5 vowels are present, so there are no vowel substrings.

Example 3:

Input: `word = "cuaieououac"`
Output: `7`
Explanation: The vowel substrings of `word` are as follows (underlined):
– "cuaieououac"
– "cuaieououac"
– "cuaieououac"
– "cuaieououac"
– "cuaieououac"
– "cuaieououac"
– "cuaieououac"

Example 4:

Input: `word = "bbaeixoubb"`
Output: `0`
Explanation: The only substrings that contain all five vowels also contain consonants, so there are no vowel substrings.

Constraints:

- 1 <= word.length <= 100
- word consists of lowercase English letters only.

JavaScript

🔒

↺

⚙️


```
1 const countVowelSubstrings = (s) => {
2   let n = s.length, res = 0;
3   for (let i = 0; i < n; i++) {
4     for (let j = i; j < n; j++) {
5       let ss = s.slice(i, j + 1);
6       // pr(ss, ok(ss))
    }
```

```
7         if (ok(ss)) res++;
8     }
9 }
10 return res;
11 };
12
13
14 const ok = (s) => {
15     let a = 0, e = 0, i = 0, o = 0, u = 0;
16     for (const c of s) {
17         if (c == 'a') {
18             a++;
19         } else if (c == 'e') {
20             e++;
21         } else if (c == 'i') {
22             i++;
23         } else if (c == 'o') {
24             o++;
25         } else if (c == 'u') {
26             u++;
27         } else {
28             return false;
29         }
30     }
31     return a > 0 && e > 0 && i > 0 && o > 0 && u > 0;
32 };
```

☐ Custom Testcase[Use Example Testcases](#)[Run](#)[Submit](#)**Submission Result: Accepted** (/submissions/detail/583199621/) ?[More Details > \(/submissions/detail/583199621/\)](#)

Share your acceptance!

Copyright © 2021 LeetCode

[Help Center \(/support\)](#) | [Jobs \(/jobs\)](#) | [Bug Bounty \(/bugbounty\)](#) | [Online Interview \(/interview/\)](#) | [Students \(/student\)](#) | [Terms \(/terms\)](#) | [Privacy Policy \(/privacy\)](#) [United States \(/region\)](#)