1839. Longest Substring Of All Vowels in Order

Description

A string is considered **beautiful** if it satisfies the following conditions:

- Each of the 5 English vowels (`'a'` , `'e'` , `'i'` , `'o'` , `'u'`) must appear **at least once** in it.
- The letters must be sorted in **alphabetical order** (i.e. all `'a'` s before `'e'` s, all `'e'` s before `'i'` s, etc.).

For example, strings `"aeiou"` and `"aaaaaaeiiiioou"` are considered **beautiful** , but `"uaeio"` , `"aeoiu"` , and `"aaaeeeooo"` are **not beautiful** .

Given a string `word` consisting of English vowels, return *the **length of the longest beautiful substring** of* `word` *. If no such substring exists, return* `0` .

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

Example 1:

```
Input: word = "aeiaaio aaaaeiiiiouuu ooaauuaeiu"
Output: 13
Explanation: The longest beautiful substring in word is "aaaaeiiiiouuu" of length 13.
```

Example 2:

```
Input: word = "aeeeiiiioooauuu aeiou"
Output: 5
Explanation: The longest beautiful substring in word is "aeiou" of length 5.
```

Example 3:

```
Input: word = "a"
Output: 0
Explanation: There is no beautiful substring, so return 0.
```

Constraints:

- `1 <= word.length <= 5 * 10 5`
- `word` consists of characters `'a'` , `'e'` , `'i'` , `'o'` , and `'u'` .