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5740. Longest Substring Of All Vowels in Order

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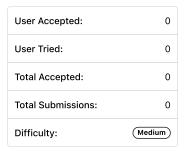
A string is considered **beautiful** if it satisfies the following conditions:

- 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<u>aaaaeiiiiouuu</u>ooaauuaeiu"
Output: 13
Explanation: The longest beautiful substring in word is "aaaaeiiiiouuu" of length 13.
```

Example 2:

```
Input: word = "aeeeiiiioooauuuaeiou"
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'.

```
1 /**
2  * @param {string} word
3  * @return {number}
4  */
5 v var longestBeautifulSubstring = function(word) {
6  7  };
```