

1456. Maximum Number of Vowels in a Substring of Given Length

Medium

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Given a string `s` and an integer `k`, return *the maximum number of vowel letters in any substring of `s` with length `k`*.

Vowel letters in English are `'a'`, `'e'`, `'i'`, `'o'`, and `'u'`.

Example 1:

Input: `s = "abciidef", k = 3`
Output: `3`
Explanation: The substring `"iii"` contains 3 vowel letters.

Example 2:

Input: `s = "aeiou", k = 2`
Output: `2`
Explanation: Any substring of length 2 contains 2 vowels.

Example 3:

Input: `s = "leetcode", k = 3`
Output: `2`
Explanation: `"lee"`, `"eet"` and `"ode"` contain 2 vowels.

Constraints:

- `1 <= s.length <= 105`
- `s` consists of lowercase English letters.
- `1 <= k <= s.length`

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