

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

Hint 

Medium

 2.5K 82 Companies

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: $s = \text{"abciidef"}, k = 3$

Output: 3

Explanation: The substring "iii" contains 3 vowel letters.

Example 2:

Input: $s = \text{"aeiou"}, k = 2$

Output: 2

Explanation: Any substring of length 2 contains 2 vowels.

Example 3:

Input: $s = \text{"leetcode"}, k = 3$

Output: 2

Explanation: "lee", "eet" and "ode" contain 2 vowels.

Constraints:

- $1 \leq s.length \leq 10^5$
- s consists of lowercase English letters.
- $1 \leq k \leq s.length$

Accepted 131.7K

Submissions 222.3K

Acceptance Rate 59.2%