# 2360. Substring With Largest Variance

# Difficulty: Hard

https://leetcode.com/problems/substring-with-largest-variance

The **variance** of a string is defined as the largest difference between the number of occurrences of **any** 2 characters present in the string. Note the two characters may or may not be the same.

Given a string s consisting of lowercase English letters only, return the largest variance possible among all substrings of s.

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

### Example 1:

Input: s = "aababbb'

#### Example 2:

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Input: s = "abcde"
Output: 0
Explanation:
No letter occurs more than once in s, so the variance of every substring is 0.
```

### **Constraints:**

- 1 <= s.length <=  $10^4$
- s consists of lowercase English letters.