

# 2272. Substring With Largest Variance

## Description

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"`

**Output:** `3`

**Explanation:**

All possible variances along with their respective substrings are listed below:

- Variance 0 for substrings "a", "aa", "ab", "abab", "aababb", "ba", "b", "bb", and "bbb".
- Variance 1 for substrings "aab", "aba", "abb", "aabab", "ababb", "aababbb", and "bab".
- Variance 2 for substrings "aaba", "ababbb", "abbb", and "babb".
- Variance 3 for substring "babbb".

Since the largest possible variance is 3, we return it.

### Example 2:

**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 <= 104`
- `s` consists of lowercase English letters.

