ref=nb_npl)

6069. Substring With Largest Variance

My Submissions (/contest/biweekly-contest-78/problems/substring-with-largest-variance/submissions/) Back to Contest (/contest/biweekly-contest-78/) The variance of a string is defined as the largest difference between the number of occurrences of any 2 characters present User Accepted: 0 in the string. Note the two characters may or may not be the same. User Tried: 2 Given a string s consisting of lowercase English letters only, return the largest variance possible among all substrings of Total Accepted: 0 A **substring** is a contiguous sequence of characters within a string. **Total Submissions:** 2 Difficulty: (Hard) Example 1:

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.

```
JavaScript
                                                                                                                            σĎ
                                                                                                                                  \mathfrak{C}
1 v const largestVariance = (s) ⇒ {
        let se = new Set(s), n = s.length, res = 0;
2
3 •
         for (const x of se) \{ // \text{ max } \}
4 ▼
             for (const y of se) { // min
5 ▼
                 if (x != y) {
                      let pre = Array(n + 1).fill(0), preX, preY, diff = 0;
 6
 7
                      for (let i = 0; i < n; i++) {
 8 •
                          if (s[i] == x) {
9
                              preX = i + 1;
10
                              diff++;
11
                          if (s[i] == y) {
12 1
                              preY = i + 1;
13
                              diff--;
14
15
16
                          pre[i + 1] = Math.min(pre[i], diff);
                          if (preX == undefined || preY == undefined) continue;
17
                          res = Math.max(res, diff - pre[Math.min(preX, preY) - 1]);
18
19
                      }
20
                 }
21
             }
22
23
        return res;
24
    };
```

☐ Custom Testcase

Use Example Testcases

ر (/problems)

delav-time

