

6030. Longest Substring of One Repeating Character

My Submissions (/contest/weekly-contest-285/problems/longest-substring-of-one-repeating-character/submissions/)

Back to Contest (/contest/weekly-contest-285/)

You are given a **0-indexed** string `s` . You are also given a **0-indexed** string `queryCharacters` of length `k` and a **0-indexed** array of integer **indices** `queryIndices` of length `k` , both of which are used to describe `k` queries.

The i^{th} query updates the character in `s` at index `queryIndices[i]` to the character `queryCharacters[i]` .

Return an array `lengths` of length `k` where `lengths[i]` is the **length of the longest substring of `s` consisting of only one repeating character after the i^{th} query is performed.**

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Hard

Example 1:

Input: `s = "babacc"`, `queryCharacters = "bcb"`, `queryIndices = [1,3,3]`
Output: `[3,3,4]`
Explanation:

- 1st query updates `s = "bbbacc"`. The longest substring consisting of one repeating character is "bbb" with length 3.
- 2nd query updates `s = "bbbccc"`.
The longest substring consisting of one repeating character can be "bbb" or "ccc" with length 3.
- 3rd query updates `s = "bbbccc"`. The longest substring consisting of one repeating character is "bbbb" with length 4. Thus, we return `[3,3,4]`.

Example 2:

Input: `s = "abyzz"`, `queryCharacters = "aa"`, `queryIndices = [2,1]`
Output: `[2,3]`
Explanation:

- 1st query updates `s = "abazz"`. The longest substring consisting of one repeating character is "zz" with length 2.
- 2nd query updates `s = "aaazz"`. The longest substring consisting of one repeating character is "aaa" with length 3. Thus, we return `[2,3]`.

Constraints:

- $1 \leq s.length \leq 10^5$
- `s` consists of lowercase English letters.
- `k == queryCharacters.length == queryIndices.length`
- $1 \leq k \leq 10^5$
- `queryCharacters` consists of lowercase English letters.
- $0 \leq queryIndices[i] < s.length$

Java

```
1 class Solution {
2     public int[] longestRepeating(String s, String queryCharacters, int[] queryIndices) {
3
4     }
5 }
```