## 1794. Count Pairs of Equal Substrings With Minimum Difference Medium ♥ Topics ② Companies ۞ Hint You are given two strings firstString and secondString that are 0-indexed and consist only of lowercase English letters. Count the number of index quadruples (i,j,a,b) that satisfy the following conditions: • 0 <= i <= j < firstString.length 0 <= a <= b < secondString.length</li> • The substring of firstString that starts at the ith character and ends at the jth character (inclusive) is equal to the substring of secondString that starts at the ath character and ends at the bth character (inclusive). • j - a is the **minimum** possible value among all quadruples that satisfy the previous conditions. Return the **number** of such quadruples. Example 1: Input: firstString = "abcd", secondString = "bccda" Output: 1 **Explanation:** The quadruple (0,0,4,4) is the only one that satisfies all the conditions and minimizes j-a. Example 2: Input: firstString = "ab", secondString = "cd" Output: 0 Explanation: There are no quadruples satisfying all the conditions. Constraints: • 1 <= firstString.length, secondString.length <= 2 \* 10<sup>5</sup> Both strings consist only of lowercase English letters. Seen this question in a real interview before? 1/5 Yes No Accepted 2.1K Submissions 3.2K Acceptance Rate 65.0% ♥ Topics Hash Table String Greedy Companies 0 - 6 months Google 2 O Hint 1 If the chosen substrings are of size larger than 1, then you can remove all but the first character from both substrings, and you'll get equal substrings of size 1, with the same a but less j. Hence, it's always optimal to choose substrings of size 1. O Hint 2 If you choose a specific letter, then it's optimal to choose its first occurrence in firstString, and its last occurrence in secondString, to minimize j-a. Discussion (1)