1208. Get Equal Substrings Within Budget

Solved ●

Medium Topics Companies Hint

You are given two strings `s` and `t` of the same length and an integer `maxCost`.

You want to change `s` to `t`. Changing the i^{th} character of `s` to i^{th} character of `t` costs `|s[i] - t[i]|` (i.e., the absolute difference between the ASCII values of the characters).

Return *the maximum length of a substring of* `s` *that can be changed to be the same as the corresponding substring of* `t` *with a cost less than or equal to* `maxCost`. If there is no substring from `s` that can be changed to its corresponding substring from `t`, return `0`.

Example 1:

> **Input:** s = "abcd", t = "bcdf", maxCost = 3
> **Output:** 3
> **Explanation:** "abc" of s can change to "bcd".
> That costs 3, so the maximum length is 3.

Example 2:

> **Input:** s = "abcd", t = "cdef", maxCost = 3
> **Output:** 1
> **Explanation:** Each character in s costs 2 to change to character in t, so the maximum length is 1.

Example 3:

> **Input:** s = "abcd", t = "acde", maxCost = 0
> **Output:** 1
> **Explanation:** You cannot make any change, so the maximum length is 1.

Constraints:

- `1 <= s.length <= 10^5`
- `t.length == s.length`
- `0 <= maxCost <= 10^6`
- `s` and `t` consist of only lowercase English letters.

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Yes No

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Hint 1

Hint 2

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