SLIDING WINDOW MECHANISM...

video-21

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Easy

Medium

Leetcode - 1208

1208. Get Equal Substrings Within Budget

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`.

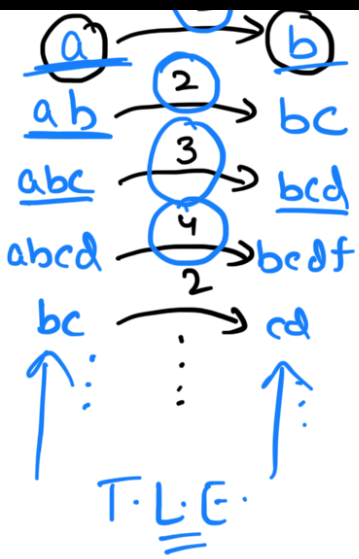
Example :-

s = " a b c d "
t = " b c d f "

maxCost = 3

Output = 3

3



s = " a b c d "
t = " c d e f "

maxCost = 3

Output = 1

2 <= mid

s = " a b c d e g "
t = " b c d d e g "

maxCost = 3

Output = 6

1+1+1

Thought Process ...

i

i i i j
0 1 2 3

maxCost = 3

s = " a b c d "

cost = (1+1+2)
-1 -1
= 3

t = "b c d f"

if i j s[i:j] = j-i+1 = 3-2+1 = 2

max → length = 0 1 2 3

window iteration
(slide).

min max