



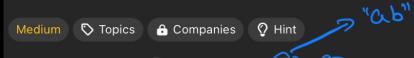








1717. Maximum Score From Removing Substrings





- Remove substring "ba" and gain y points.
 - For example, when removing "ba" from "cabxbae" it becomes "cabxe".

Return the maximum points you can gain after applying the above operations on s

Example:
$$S = "Cdbcbbacababa"$$
 $x = 4 \rightarrow "ab"$
 $y = 5 \rightarrow "ba"$
 $5 + 5 + 5 + 4$

Output: 19

$$5+5+4+5 = 19$$

$$5+5+5+5=20$$

1 pass -> max value string.

2 pass -> min value string.

Proof:

Why deleting max-value string first and then deleting min-value string always works ???

$$"ab" \rightarrow \chi$$

$$"ba" \rightarrow \chi$$

x >y

"Droog by

contradist) ba ba mar value fires x+4

My Stack???

1st Pars "ab" = 20 1 20

$$\nabla^{00}b + S \cdot c = O(n)$$

Approach-2 (Hidden Problem) Without Stack

U.B

i → writing j → reading

whatever j Heads, it will write it on it printer.

'cd'

cdbcbbaaabab