

Check if word is valid after substitutions

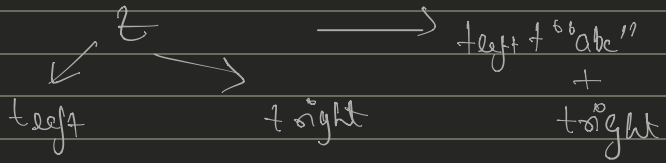
o/b s

Given \rightarrow (S)

valid $\rightarrow t = 66$ 19

Transform 2 - (S)

① $\rightarrow z \rightarrow$ "abb" insert



Con \rightarrow

Q a b c b c

↳ $t = 60$ q

④ $\rightarrow t \rightarrow t_{\text{avg}} = 66 \text{ s}$ $t_{\text{or}} = 66 \text{ s}$

$$L = abc$$

⑧ $\rightarrow z \rightarrow ze = a \quad ze = bc$

Qbc

a abc bc

M-1 \rightarrow Recursion \rightarrow

find abc

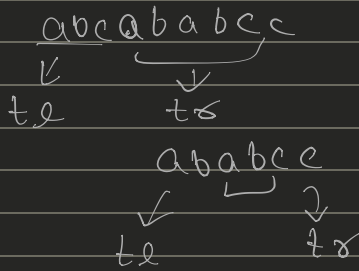
make 5 to 7

abc $\xrightarrow{\text{mill}}$ 66 19 bnacl0

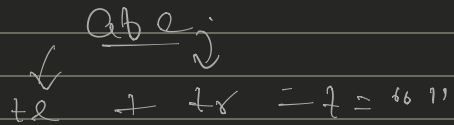
abc abc ababcc

↓
tl

↓
tr



$$TC = O(n^2)$$



(Q.2) → Stack → (My approach)

abc b c

push karo till c nhi ata

then pop krte nkt dhyan

rkho phle b pop ho

then a pop agao b ke baad

a nhi mile ya b hi nhi

mile return false

b	
a	
b	
a	

$$TC = O(n) = \text{space}$$

if (s.top != 'c') return false

for (auto ch : s)

if (ch == 'c')

if (s.empty() && s.top == 'c')

s.top()

else

return false

if

if (s.empty() && s.top == 'c')

s.top()

else

return false

if

else

s.push(ch)

if

return s.size > 0 ? false : true;