STACK: Next Smaller MSL NSR by indices.

stack (int) st for (is o ton) { while (not empty () fl are(i) (= arr[st.top()]) & st. pop () } if (st. empty()) NSL[i] = -1 else NSLCi] = St.top()

St. push (i)

र द		7
₹	ς	7 7
{5	٩	5 7 7
{5 g	3	5577
{ 56 36	2	75577
५ २	1	2 7 5 5 7 7
921	4	1275577

+ 9 (2-1)

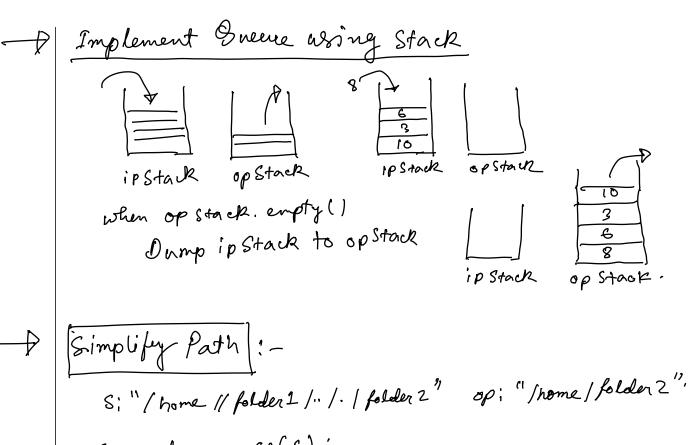
NSR

Sum of Subarray Minimums

subarrays: 3, 2, 9 [3] [19] [3 19] minimums; 3,1,4,1,1, return sum: 11

res += arrci] x (i-nslci)) x (nsrci] -i) ons = 3x (0-(-1)) (1-0) + 1(1-(-1)) x (3-1)

= 3 + 1 × 2 × 2 + 9 = 11



Si "/ home // folder 1 /... /. / folder 2" op: "/home / folder?

String stream SS(S);

String token;

while (get line (SS, token, "/"))

Si :

?

Basic Calculator:

for (intiso to n) if (is Digit (SCi))} num = num * 10 + sci] - 10;} if (SCi) == '+') } result += num & Sign 4 (sci) == '~'){ result += num of sign aign = -1 4 (sci] == 'c') { St. push (result) St. push (sign) result = 0 num = 0 sign = 1 4(sci) == ')'){ result += num + sign Cartsign = St.top() St. pop. Cost Result = St. top() St. pop. result # = Cost Sign result += Cast Result num =0

recture result + num + sign;

((a+b)-c+(d-e)"

1-01239567 -(2+3)+5rus = 0 num = 0 sign=1 st= { } 1=0 reg= , num =0 rign=-1 53 50,-13 = 1 50,-13 1= 2 50,-13 0 ;=3 1 50, -13 1=9 2+3=6 **{** } 1=5 -5+0=-5 1 53 1=6 -5+(0×1) 2 33 -5 5 i= 7

result + num + sign = -5 + GX1 = 0 maximum Score from Removing Substrings

"xy aabbababbab"

Removing "ab" > 5 "ba" > 4

"

xy aabbabababababab

xy aabbababab

xy aabbabab

5

Tofol 25

O/P= 25

Soln: in 2 pass first delete all "ab" then
try for "ba"; n second pass
or vice versa if "ba" price is >.

#\(\sum_\), #Revision, #Tricky business

 $x_1 x_2 x_3 x_4 \rightarrow abbbaba$ $x_1 x_2 x_3 x_4 \rightarrow abb$ $x_1 x_2 x_3 x_4 \rightarrow abb$ $x_1 x_2 x_3 x_4 \rightarrow abb$ $x_1 x_2 x_3 x_4 \rightarrow abb$ x

olways check as first. check ba in 2nd pars

another trick; instead of using O(N) Stack offer the strong it self.

edbabagh cdbæssjjj for baxba

no ab ; then it's

fine

tape 2 ba in 2nd

pars.

