

Convert INFIX-POSTFIX (Exp)

{

CREATE A STACKS

for $i = 0$ to $\text{length} - 1$ {

if $\text{Exp}[i]$ is operand

$\text{res} = \text{res} + \text{a}[i]$

else if $\text{Exp}[i]$ is operator

while (!S.empty() && $\text{HIGHER P(S.TOP()) > EXP[i]}$)

{

$\text{Res} = \text{Res} + \text{S.TOP()};$

$\text{S.POP()};$

$\text{S.push}(\text{Exp}[i])$

Else if $\text{ISOPENING PAR}(\text{Exp}[i])$

$\text{S.Push}(\text{Exp}[i])$

Else if $\text{is closing PAR}(\text{Exp}[i])$

while (!S.empty() && ! $\text{ISOPENING PAR}(\text{S.TOP()})$) {

$\text{Res} = \text{Res} + \text{S.TOP()};$

$\text{S.POP()};$

}

while (!S.empty()) {

$\text{res} = \text{res} + \text{S.top()};$

$\text{S.pop()};$

}

return res

}