

Infix to postfix.

Create a stack S.

for ($i=0$; $i < \text{length}(\text{exp})-1$; $i++$)

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

$\text{res} += \text{exp}[i];$

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

{ while (!S.empty() && operator has higher precedence)

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

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

}

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

}

else if ($\text{exp}[i] == '('$)

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

else if ($\text{exp}[i] == ')'$)

{ while (!S.empty() && ~~$\text{S.top} ==$~~ $\text{S.top} != '('$)

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

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

}

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

}

while (!S.empty())

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

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

}