

Infix to Postfix Pseudocode

InfixToPostfix(exp)

{

 create a Stack s

 for $i \leftarrow 0$ to length(exp)-1

 {

 if exp[i] is operand

 res \leftarrow res + exp[i]

 elseif exp[i] is operator.

 while (is.empty() && IsOpeningParentheses(s.top()))

 {

 res \leftarrow res + s.top()

 s.pop()

 }

 s.push(exp[i])

 elseif IsOpeningParentheses(exp[i])

 s.push(exp[i])

 elseif IsClosingParentheses(exp[i])

 {

 while (is.empty() && IsOpeningParentheses(s.top()))

 {

 res \leftarrow res + s.top()

MESID
RAZZ

```
s.pop()
```

() will return the value of the element

```
s.pop()
```

```
}
```

```
while (s.empty())
```

```
res = res + s.top()
```

```
s.pop()
```

```
}
```

```
}
```

```
return res
```

```
}
```