

# Conversion of INFIX to POSTFIX

STEP 1

Create an Empty stack for keeping operators.  
Create an Empty String for Output

STEP 2

Scan the infix notation expression from Left to Right

- a) If the token is an operand, append it to output string.
- b) If the token is a left parenthesis, push it on the stack.
- c) If the token is a right parenthesis, pop the stack until the corresponding left parenthesis is removed. Append each operator to the output string.
- d) If the token is an operator,  $*$ ,  $/$ ,  $+$  or  $-$ , push it on the stack. However, first remove any operators already on the stack that have higher or equal precedence and append them to the output

STEP 3

When the input expression has been completely processed, check the stack. Any operators still on the stack can be removed and appended to the output string.