

LAB-3

Infix to Postfix

Algorithm

1. Scan the infix expression from left to right
2. If the scanned character is an operand, output it.
3. Else
 1. If the precedence of the scanned operator is greater than the precedence of the operator in the stack, push it
 2. Else, pop all the operators from the stack which are greater than or equal to its precedence than that of the scanned operator. After doing that push the scanned operator to the stack.
4. If the scanned character is an '(' push it to the stack
5. If the scanned character is an ')', pop the stack and output it until a '(' is encountered
6. Repeat steps 2-5 until the expression is scanned
7. Print the output
8. Pop and output from the stack until it is not empty