

Infix to Postfix

Algorithm

- ① Scan the infix expression left to Right
- ② If the scanned character is an operand, output it
- ③ Else
 - (i) If the precedence of the scanned operator is greater than the precedence of operators in stack, push it
 - (ii) Else, Pop all the operators from the stack which are greater than or ~~equal~~ equal to in precedence than the scanned operators. 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 and discard both the parenthesis.

⑥ Repeat Steps 2-6 until infix expression is scanned

⑦ Print the output

⑧ Pop and output from the stack until it is empty.