Infix to postfix

• Postfix

Step 1: Add ")" to the end of the infix expression

step 2: Push (onto the stack

step 3: Repeat until each character in the infix notation is scanned

- IF a(is encountered, push it on the stack
- IF an operand is encountered add it postfix expression.
- IF a ")" is encountered, then

    a. Repeatedly pop from stack and add it to the post fix expression until a "(" is encountered

    b. Discard the "(". That is remove the (from stack and do not add it to the postfix expression

- IF an operator O is encountered, then

    a. Repeatedly pop from stack and add each operator (popped from stack) to the postfix expression which has the same precedence or a higher precedence than O.

    b. Push the operator to the stack

[end of IF]

Step 4: Repeatedly pop from stack and add it to the postfix expression until stack is empty.

Step 5: EXIT

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