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Steps to convert infix to postfix expression

STEP 1: Initialize TOS to -1

STEP 2: Push '#' onto the TOS

STEP 3:

For each symbol in the infix expression

{

    STEP 3.1:

    /*As long as the precedence value of the symbol on top of the stack is greater than the precedence value of the current input symbol, pop an item from the stack and append it to the postfix expression */

        While (P_TOS (s [top]) > P_INP (symbol))

            Pop the symbol from the TOS and append it to the postfix expression

    STEP 3.2:

    /*If the precedence of the symbol on top of the stack is not equal to the precedence value of the current input symbol, push the current symbol on to the stack*/

    If (P_TOS (s [top])! = P_INP (symbol))

        Push the symbol to the stack

    Else

    STEP 3.3:

    /*If the precedence of the symbol on the top of the stack is equal to the precedence of the symbol in the current input expression then, delete the item from the stack but do not place it in the postfix expression*/

        Pop the symbol from the TOS, do not append it to the postfix expression

}

STEP 4:

/*Once the entire input expression is scanned, pop the remaining elements from the stack. This step is useful when the input expression is un- parenthesized */

    While (s [top]! = '#')

        Pop the symbol from the TOS and append it to the postfix expression

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