**Infix to post fix conversion**



1. Scan the infix notation from left to right one character at a time.
2. If the next symbol scanned as an operand, append it to the postfix string.
3. If the next symbol scanned as an operator, the:
   1. Pop and append to the postfix string every operator on the stack that:
      1. Is above the most recently scanned left parenthesis, and
      2. Has precedence higher than or is a right-associative operator of equal precedence to that of the new operator symbol.



* 1. Push the new operator onto the stack

1. If a left parenthesis is scanned, push it into the stack.



1. If a right parenthesis is scanned, all operators down to the most recently scanned left parenthesis must be popped and appended to the postfix string. Furthermore, the pair of parentheses must be discarded.
2. When the infix string is fully scanned, the stack may still contain some operators. All the remaining operators should be popped and appended to the postfix string.