Evaluation of Postfix Expression

Algorithm for evaluation of postfix

```
Begin
Traverse from left, for each character in postfix expression,
Do if operand is encountered, push it on to stack,
   else if operator is encountered, POP 2 elements
       a -> top element
       b -> next to top element
       result = b operator a
    push result on to the stack
Return element of top of stack
End
```

Evaluate the following postfix expression:

=39

Algorithm for evaluation of prefix

```
Begin
Traverse from right, for each character in prefix expression,
Do if operand is encountered, push it on to stack,
   else if operator is encountered, POP 2 elements
       a -> top element
       b -> next to top element
       result = b operator a
    push result on to the stack
Return element of top of stack
End
```