Application of Stack

Evaluation of postfix expression:

Algorithm

1) Add) to postfix expression.

2) Read postfix expression Left to Right until) encountered

3) If operand is encountered, push it onto Stack
   [End If]

4) If operator is encountered, Pop two elements
   i) A -> Top element
   ii) B-> Next to Top element
   iii) Evaluate B operator A
   push B operator A onto Stack

5) Set result = pop

6) 6) END

Expression: 456*+

INPUT SYMBOL	STACK	CALCULATION
4	4	
5	4 5	
6	4 5 6	
*	4	5*6=30
+	4 30	4+30=34

RESULT=34