## **Expression Evaluator**

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## Algorithm - evaluate

16. Pop the final answer from the **operand stack** 

1.	Set operand stack to empty.
2.	For each token in the token list
3.	If the token is an operand then,
4.	Push it onto the operand stack
5.	Else
6.	the token is an operation
7.	If the operation's number of arguments > the size of the operand stack then
8.	Exception "Insufficient # operands for operation"
9.	Pop the correct number of operands from the operand stack
	(operands are popped right-to-left).
10	Perform the operation on those operands
11.	Push the result on to the operand stack
12	If the operand stack has more than one element then,
13	Exception "Too many operands for the number of operations"
14	If the operand stack is empty then,
15	Exception "Too many operations for the number of operands"