Expression Evaluator

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# RPN Evaluator

1. **Set** operand stackto 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”
16. **Pop** the final answer from the operand stack