

## 3) (5 pts) ALG (Stacks)

Convert the following infix expression to postfix using a stack. Show the contents of the stack at the indicated points (1, 2, and 3) in the infix expression.

$$(A + B) - (C - (D + E) / F) * G$$

1
2
3

(
-

1

+
(
-
(
-

2

/
-
(
-

3

Resulting postfix expression:

A	B	+	C	D	E	+	F	/	-	G	*	-								
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**Grading: 1 point for each stack, 2 points for the whole expression (partial credit allowed.)**