

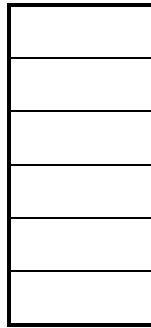
Computer Science I Worksheet: Stacks and Queues

1) Convert the following infix expression into its equivalent postfix expression using a stack. Show the contents of the operator stack at the indicated points in the infix expressions (points 1, 2 and 3), and also the final postfix expression. You may draw another stack alongside for your work.

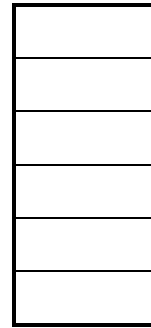
$$A * (B + C \overset{1}{/} (D + E)) - \overset{2}{F} * (G \overset{3}{/} H + I)$$



1



2



3

postfix expression upto 1 : _____

postfix expression upto 2 : _____

postfix expression upto 3 : _____

Final postfix expression : _____

