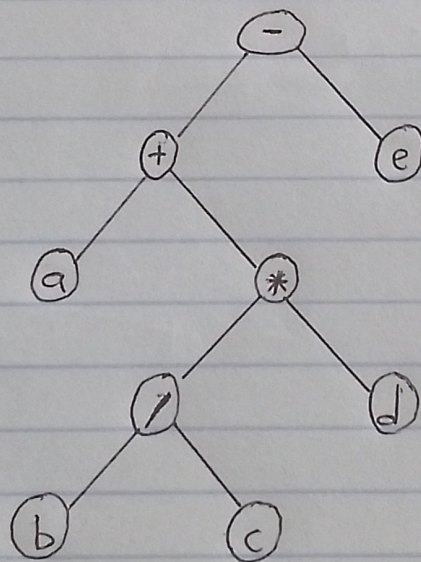


1. $a + b/c * d - e \rightarrow$ postfix using a stack.

Token	Stack	Postfix
a		a
+	+	a
b	+	ab
/	+/	ab
c	+/	abc
*	+*	abc/
d	+*	abc/d
-	-	abc/d*+
e	-	abc/d*+e
		abc/d*+e-

$$(a + (b/c * d) - e)$$



Convert $a + b/c * d - e$ to postfix expression.

By hand : $a + b/c * d - e$

$a + bc/d * - e$

$abc/d * + - e$

$abc/d * + e -$

$abc/d * + e -$

stack

c

cb

$(b * c), a$