

Task 1: Transforming an Infix Expression to a Postfix Expression

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

Next character in infix expression	Postfix form	Operator Stack (bottom to top)
a	a	
*	a	*
b	ab	*
/	ab*	
	ab*	/
(ab*	/(
c	ab*c	/(
-	ab*c	/(-
a	ab*ca	/(-
)	ab*ca-	/(
	ab*ca-	/
+	ab*ca-/	
	ab*ca-/	+
d	ab*ca-/d	++
*	ab*ca-/d	++
e	ab*ca-/d*	+
	ab*ca-/d*+	