

Examples of Infix-to-Postfix Conversion

Infix expression: $a+b*c-d/e*f$

Token	operator stack → top	postfix string
A		a
+	+	
B		ab
*	+*	
C		ABC
-	+	ABC*
		ABC*+
	-	
D		ABC*+d
/	-/	
E		ABC*+de
*	-	ABC*+de/
	-*	
F		ABC*+de/f
	-	ABC*+de/f*
		ABC*+de/f*-

Infix expression: $(a+b*c-d)/(e*f)$

Token	operator stack → top	postfix string
((
a		a
+	(+	
b		ab
*	(+*	
c		abc
-	(+	ABC*
	(ABC*+
	(-	
d		abc*+d
)		ABC*+d-
/	/	
(/(
e		abc*+d-e
*	/(*	
f		abc*+d-ef
)	/(abc*+d-ef*

/

ABC*+d-ef*/