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Home Taxt

1. Write an algorithm to convert an infix expression to postifix and infix to prefix

Input Character	Strack	Postfix Expreession
Α	Empty	Α
*	*	A
В	*	AB
-	-	AB*
(-(AB*
С	-(AB*C
+	-(+	AB*C
D	-(+	AB*CD
)	-	AB*CD+
+	+	AB*CD+-
E	+	AB*CD+-E
End of input	Empty	AB*CD+-E-

Jadi, postfix expreesion = -AB*CD+-E+

Input Character	Strack	Expreession
F	Empty	F
۸	٨	F
)	^)	FE
E	^)	FE
-	^)-	FE
D	^)-	FED
(^)-	FED-
-	-	FED-^
С	-	FED-^C
+	+	FED-^C-
)	+)	FED-^C-
В	+)	FED-^C-B
+	+)+	FED-^C-B
Α	+)+	FED-^C-BA
(+	FED-^C-BA+
End of input	Empty	FED-^C-BA++

Jadi, Prefix expression = ++AB-C^-DEF

2. Write an algorithm to evaluate a postfix and a prefix expression



