Converting Parenthesized Infix To Postfix

12 * (B+(1D)-E

و لو	Stark	Postix	Ele	Stack	Ruhix
A		A	/	*,(,+, 1	13 C
*	*	Á	D	*,(,+,1,	BBCD
(x , (A)	×	BBCD1+
ß	*, <	AB	-	-	\$ 15C D/+ ×
+	*,(,+	۵ <u>۵</u>	E	-	ABCD/+xE
د	*, ⁽ ,†	או <i>ו</i> כ	end	eysty	DBCD1+×6-
			1		

10\$ (B+(*D) / (E-F14)

Ele	Stack	Postix	1 !	Stack	Postix
A		A)	\$	/113C DX+
\$	\$	A	/	/	DB (DX+)
,	t /	A	1	1, C	DBCD*+\$
ß	\$, C	ΔB	E	1, (BBCD*+\$E
,-	\$, (,	-	1, (, -	BBC D X +\$6
+	\$, <,+	Δß	F	1, <, -	BBCD*+\$EF
C	b, C,+	<i>ህያ</i> ር	1	1,5,-,1	1315(D×+86)=
}	\$(,+,*	/JBC	4	1,(,-,1	1360x+\$6F4
ъ	,	DBCD)	/	12 UCDX+ 3 FEC]-
	1,C,+,X	1,2(I)	en l	eph	DUCD×+86261-1

Algorthm For Converting Parenthesized Infix To Postfix

- 1. Scan the given INFIX expression left to right one character at a time and proceed in usual way until an opening bracket arrives.
- 2. As soon as an opening bracket arrives, PUSH it in the STACK.
- 3. Also PUSH the first operator which arrives after the opening bracket.
- 4. Again proceed normally until a closing bracket arrives.
- 5. As soon as a closing bracket arrives do the following:
 - a. POP all the operators from the STACK uptill opening bracket.
 - b. Copy all the operators in the POSTFIX array except opening bracket.
- c. Discard both the brackets, means , neither opening bracket should be copied in the POSTFIX array nor the closing bracket should be PUSHED in the STACK.
- 6. Again proceed normally and if an opening bracket arrives again then goto step 2.
- 7. Repeat the above process until the INFIX expression ends.
- 8. POP the remaining operators from the STACK and copy them in the POSTFIX array one by one.