Q.3] INFIX → (A + B * (C - D) ^ E) / (F - G + H * I)

SYMBOL	STACK	EXPRESSION
(	(	
A	(	A
+	(+	A
B	(+	AB
*	(+*	AB
(	(+*(	AB
C	(+*(	ABC
-	(+*(-	ABC
D	(+*(-	ABCD
)	(+*~~(~~	ABCD-
^	(+^	ABCD-*
E	(+^	ABCD-*E
)	-	ABCD-*E^+
/	/	ABCD-*E^+
(	/(	ABCD-*E^+
F	/(	ABCD-*E^+F
-	/(-	ABCD-*E^+F
G	/(-	ABCD-*E^+FG
+	/(+	ABCD-*E^+FG-
H	/(+	ABCD-*E^+FG-H
*	/(+*	ABCD-*E^+FG-H
I	/(+*	ABCD-*E^+FG-HI
)	/	ABCD-*E^+FG-HI*+
-	-	ABCD-*E^+FG-HI*+/

∴ Postfix expression is ABCD-*E^+FG-HI*+/.