## Infix to Postfix:

0

CK.

Anfix Expression: A\*(B\*C+D\*E)+F:

SNO	Current OPErator Pheto.		
1.		operator Stack	Postfix string
ð.	A **		A
3.	-	*(	A
4.	В	*(""	A
6.	* Coan	*(*+	AB
7.	044 av .	*(+1	A'Bc ABc*
	O DIA	*(+	ABC* D
9.	*	*(+*	ABC*D
10-	E	* (+*	ABC* DE
15.	+	*	ABC*0E*+  ABC*0E*+*
13.	F	+	ABC* 0E* +* F
14-			ABC* DE*+*F+

Postfix Expression is : ABC\* DE\*+\*F+

## Balanced Symbols:

((a+b)\*(c-d))

S-NO	Symbol	Stack	Action	Expression so
1.	(	1		fax
2.	,	(	Push '('	(
3.	,	((	Push 'c'	((
	Q.	((	Append 'a'	
4.	+	((	Append '+'	(la
5.	Ь	((		(la+
6.	)		Append's	((a+b
7.	*	(	Pop'c'	(la+b
		(*	Push '#'	((a+b)*
8.	(	(*(	Push 'L'	((a+b)*(
9-	C	(*(	Append 'c'	((a+b)* (c
10-	-	(*(	Append "-"	((a+p)* (c-
11-	d	(*(	Append'd'	(10+0)*(c-d)
2 -	)	(*	Pop '(	(10+b)+(c-d)
3 -	)		Pop 'c'	(10+6)*(c-d))

It is valid for Balanced Symbol."

S-M	o Symbol	Stack	Action Taken	Expression so
- 10	maintaines .	[1]	·Push '('	( a mai
2.	a	(1)	Append 'a'	(a
3.	+	[(,+]	Push '+'	(a+
4 .	ь	[4+]	Append b'	(a+b
5.	)°))	[(,+]	POP'L'	(0+6)
6 .	*	[4,+,*]	Push '*	(a+b)*
4.	C+613	[(,*]	Append 'c'	(a+b)* C
8.	)	(4)	POP 'L"	(a+b)* C
9.	12 14 +611	[4-]	Push '-'	(a+b)*c-
16.	d	W BASSE	Append'd'	(a+b) * c-id
ti-	End	ø.	Pop remains	(0+b) * c-d
	Const Const	'y and	9 operators	

desired is south and billion at 150

It is valid for "Balanced Symbol"

S-//o	Current	operator . Stock	Postfix sering
1.	A		A
a.	1	*	A
3.	В	*	AB
4.	1	*^ -	AB
5.	81	* 1	ABC
6.	+	+ *5*	ABC^*
7.	D	++) *	ABC TO
9.	0.758A	+ 1 *	ABC^*D+

Tables of which

Postfix Expression: ABc^\*0+

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+ about the transmitted willies

## 3 Post fix to infix:

Postfix Expression: A0-DE+F\*/

5-NO	Reading of Postfice	Stack .	Expression
1.	Α	A	Н
क.	В	В	A
3.	-	А-В	A-B
4.	D	D	O A-B
5.	E	E	E O A-B
6.	+	0+E	0+E A-B
7.	F	F	0+E A-B
8.	*	((0+E) *F)	10+6,*F A-B
9.		(A-B)/(0+E*F)	

Anfix Expression: (A-B)/((0+E)\*F))

Postfix conversion: abc\*de-/+

5-NO	Symbol	Stack
1.	a	god a songer
ą.	h b	ab
3.	C	В авс
4.	*	a(b*c)
5.	d	alb*c)d
6.	e	a(b*c)de
7.		a(b*c)(d-e)
8.	/	a(16*c)1(d-e))
9.	+	(a+((b*c)/(d-e)))
		3+0

i soften of soft in

Infix conversion : (a+(b\*c)/(d-e))

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