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the

1. Ponfix to Postfix.

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

S:No	Cwerent Token	Operator	Postfix string.	
1.	А		А	
2.	*	*	A	
3.	С	*C .	A	
4.	8	* C	AB	
5.	*	*(*	AB	
6.	C	* (4	ABC	
4.	# Asta	*(+	ABC*	
8.	D	* C+	ABC * D	
9.	*	¥(+*	ABC+D	
10.	E	* (+*	ABC * DE	
lı.)	*	ABC *DE*+	
12.	+	+	ABC *DE*+*	
13.	F	+	ABC & DE X + XF	
124.			ABC* DE*+*F+	

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

vivo Y22 Jul 28, 2024, 2	Infin	Expression: A*B^c+D. Operator Postfix			
22:12	3.NO.	Current Token	Operates	Postfire String.	
	1.	A		A	
	2.	*	*	A	
	3.	B	*	AB	
	ц.	٨	*^	AB	
	5.	С	*^	ABC	
	6.	+	+	ABC1+	
	ヸ .	D	+	ABC^*D	
	8.			ABC^*D+	

Postfix Expression: ABC^*D+.

3. Postfix to infix:

Postfix Expression: AB-DE+F*/

g.No.	Reading of Postfix	stack top	Expression.
1-	A	A	A
2	В	В	
3.	- (87)	A-B	A-B
4.	D	D	
5.	E	E	A-B E D A-B
6.	+	D+E	D+E A-B
7.	F	F	F
46			D+E A-B
8.	*	(CD+E)*F)	(D+E)*E
9.	1	(A-B)/(D+EXF)	

Infix Expression: (A-B)/(CD+E)*F))

100 Postfix conversion: abc*de-/+.

S-No-	Symbol	Stack.	
1-	a	a	
2.	Ь	ab	
3.	С	abc	
4.	*	a(b*c)	
5.	d	a(b*c)d	
6.	e	a (b*c)de	
4.		a(b*c)(d-e)	
8.	/ a ((b*c)/(d-e)		
۹.	+	Ca+((b*c)/(d-e)))	

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

Balanced Symbols:

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

1	9-No	Symbol	Stack	Action	Expression So for.
1	1.	((Push 'C'	
	2.	(((Push 'C'	C
	3.	a	((dipperd'a'	((a
l	4.	+	((olippend '+'	(Ca+
	5.	Ь	U	dippund 'b'	((a+b
6)	(rbob, c,	((a+b
7		4	(*	push 'x'	((a+b)*
8		C	(*(Push 'C'	((a+b)* C
9.		c	(*(aluppend 'c'	((a+b)*(c
10		-	(*(deppend 1-1	(Ca+b)*(c-
11.	1	d	(*(dippend'd'	((a+b) + (c-d)
12.)	(*	hob, c,	((a+b)*(c-d)
13.)	ulg" of	rbab ,c,	((a+b)* (c-d))

It is Valid for Balanced Symbol'.

Balanding Symbol.

[{(a+b)*c3-d]

	SNO	Symbol	Stack	Action Taken	Expression so
l	1-)	([c]	Push 'c'	
l	2.	a	[1]	olyppend 'a'	Ca
	3.	+	[(,+)]	push '+'	(a+
l	4.	Ь	[+,2]	Append b'	Ca+b
ı	5.)	(C+)	ypop 'c'	(a+b)
l	6.	*	[(,+,+]	Push '*'	(a+b)*
۱	۲.	c	[(,+]	dippend 1c'	(a+b)* C
١	8.)	[0]	rbob, C)	6+b)* C
l	9.	-	[-,5]	Append d	(a+b)*C-
	10 -	d	Cc,-J	Append 'd'	(a+b)*c-d
	n.	End	ø	pop remaining	Catb) * c-d.

It is valid for "Balanced Symbol".