18/4/514

1) Infix -to Postfix:=

There expression: n*(B*c+D*E)+F:

SiNIO	Conent	operative stack	261.4
, l.	Α '	- 10 OH -	A
2	- 1 * (F ())	mossig*	P
3	1 (181.181)	in it is	. A
14	B con i	the 100 minutes	*A PB
5.	A Air	19 110 1 / 1	AB
6.	(*(*	AB Sdi
7.	+	*(+	A'BC
8	D	*(+	ABC*
9	*	*(+*	ABc*D
11	<i>€</i>	*(+*	#BC *DE
12	+ }	*	ABC *DE +
13	F	+ /	ABC *DE++*
14		+	ABC*DE*+*F
	-		DBC*DE*+*F+
	^		

Postfix Expression is:= ABC DE+*F+

Infix expression: ABC+0.

	B C	+0.	
5.10	Current Tiken	Operator stack	Postfix String
1.	\cap	1 1	A
2	*	*	A
3.	В	*	АВ
4	1	*^	AB
5.	C	*^	ABC
6.	+	+ 1	ABC T
ㅋ.	D	+	ABC +O+
8			ABC ** D+
		p) 1	
		- 6	

Postfix Expression = ABC1*D+

7" (1% 1) for 1

V(44)

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3 Postfix to infix := Postfix expression - AB -DE: 4F 4/ Expression Stack-top SiNo Reading of Postfix 2 3. A-B D+E 6. DTE 7 (D+E)*F) (D+E)*F) 8 9. (0+E) F A-B

b			/		
24/4	Symbol		stack		
1	0		0.		
27	h		ab		
.3	C	,	abc		
4	*		a(b*c)		
5	d		a(b*c)d		
			a(b*c)de		
6	e				
7.	~		a(b*c)/d-e)		
	, j=)		a((b*c)/d-e))		
8-	1	1	a+((b*c)/d-e))		
9.	4	À,	0+((0**0))400		
	1. 1. 11		12 1 11 1		
11/			1 a p 1 2 2 2		
1	a weekly				
		- (

Infix Expression = (a+(b*c)/6-e))

5		d Symbo				
	. ((0+10)	(1-0	4))	1 0.1" 0	Anomy O
	SN	Syml	,01	stack	Action Taken	Expression 50
	1	. ((push'('	
	9				push'(((a
	3.	a		((Append 'a'	
ĺ	٩	+		((Append b'	((a+b
	5.	b				((a+b
	6.				pop (('	
	7.	*	Total.	(*	push *	((a+b)*
	8.	((*	push &	((atb) +(
1	9.	1		(*(puh'(((a+b)*(
	10-			(*(Append -	((a+b)*(c-
	(1)	d		*(Append 1	$((a+b)^*(c-d)$
	12)	1.	(*	60p'('	((a+b) (c-d)
	13.)			Pop' (((a+b) (c-1)

@ (8(a+1))*(3-d) s No Symbol Stack push 1 [c]Append a (c] (a+ push + [(1+) (atb Append'b [(+) (a+b) P.P ((C,+](a+b) push * [c,+,*] (a+b)* Popl (c, x) (a+b)*C push'-[c](a+b)*(push 2' [[] (a+b)*(-Append a (C1-) 10 (a+b)*(d) (a+b)*(c-d) remaing operators