Infix to Postfix Soms

start-3 · Longitus regner (0-5) : (8+A) Example 0) * (12-5) * (8+A A+B + C) (0-1)*(A+ Input a Stack +1 outpots) *(8 + .v Step M+BAC SV - +) (0-2) x(3, + B * C + 8A - A (G-) % 2. B*c +80 + x A (9-) 3. *c +8A +); AB (0-) 4. c)+84 +* -) F AB (0-5 3+84 +* -)* ABC (0 6. .01 + A8 + CD -* ABC* (7. -11 8. ABC #+ 18 + CD-4 . 51

final postfix Expression: ABC#+

2. (A+B) * (C-D) 2000 x71x6 01 5/11

Stack out put input Step (A+B) * (L-D) a Jamas A+B) x (1-D) (2. 2 4 8 +A +B)*((-D) A +B)*(1-D) NO (+ 20012 A tegni 4. 8-169 AB 568 FA) ¥ ((-D) 5. (+ * ((-D) A A8+ 288+ 8 6. ((-D) A + + AB+) *8 7. .8 (-D) 8A &(+ AB+ 3% g. N 9. -D) 8A 7(- x+ AB+C 3 S D) 28A * (- + AB+ C 10. 6) * 284 * 4 AB+CD-11. . 1: + \$ DEA AB + CD- * 12.

Final Postfix Expression: AB+CD-+ bit

Postfix to Infix

O AB+C *

		8	Vant Characte	9.45
	Step	Postfix	Stack	
	l	[)] AB+(*	()	
	2.	()) B+C*	CAI	. 5
	3.	[)] +c *	(A, B)	${\cal E}$
	ч.	()) (*	[(A=B)]	الر.
	5	() *	((A+B),	(1)
	6		((A+B)*C]
	\\	idix Expression	[(A+B) *c]	f.
2.	ABC #+ D-	[j])	§
	SKP	() PONYIX	Stack:	P
	T.	A+B(*+	()	
	a.	B(*+ D-	D	Infin expression: 0;
	3.	(4+)0-	A,B	-> (A+(B*C))-D)
	4.	- O + *	AIBI C	
	ડ	+ D-	A, (B*c)	
	6.	D-	((A+ (B*[)))	
	7	그는 맛있는 이 이번 이번 살은 사람이 되는 것이다.	(A+(B*c)),D]	
	8.	([1	A+(B#C))-0)	

Balancing parenthesis

1. (A+B) * ((-D)

Skp	Read Character		Stack
1	(54428) *)+84	(c)
a .	A		(C) 6
3	(8,A)	¥)+ [· ()
۹.	((a B a)	` } د ×	() .H
2.	(A(B), C)	¥ [
6	[)*(3+4)]	Ŋ	3
7.		. [()	
8	C	(()	
9	_ 40#Z	[6]	9.42
10: Mainer, M.S. Will	D ()	+ * > 2 + A	1
)	-0+*)8 -0	ź,
	હ, A ો (કા A	Stack is	Smot.
	(348),A	- d A	ટ . મ
30, (A+B) * ((-D)	is, balanced. ((1+8)+4)	D-	.}
	[a,(() +3)+a)) (0-(()+2)+4)		7

2. {A+(B*c)-D3)

Step	Read charalter	Stack.
1	1	({)
2.	A	[3]
3.	+	[{]
4.		(1,1)
5-	В	[{1,(]
6.	*	(1,1)
7.	(c	(1,1)
8.	5	[1]
9		({)
10.	D	({ })
11.	3	
12.)	(1)
		Stack Not Empty

So. He equation {A+(B*c)-D3) is Not Balanced.