## SCT222-0127/2023 Francis Baraca Jumaa Datu structures and Algorithms. Constitute to porter notation. Convert into an expression tree (atb/c\*d-e). Symbol - First convert to postfix & Postfix Incoming token stack a a ab ah abc abol abold abcld\* + abeld\* te abc/d\*te-Building the expression free. (a+((b/c)\*d))-e) - Bu The root of the free 11 the -poels. sand the state of the sand the

2.	Convert	the	Same	Into	9	postxix
	a+6/	C.* a	?-е.	(show	tho	postyix process )

Ž	Incoming token	stacic	ouput.
į	a		a
Ī	<b>†</b>	+	a
Į	Ь	4	ab
Į	1	+/	26
į	C	+ 1-pop and print	abc
I	*	+*	abc/
į	d	+x -popard print	abc/dx+
į			abeldxi
į	e		abold*+e
			Tabeld* +e-1
			postfix.
			THE RESERVE THE PARTY OF THE PA

3	Convert taxbe	Into an Infix.	
	Incoming Token	Stack	Operation.
	Č	Chine	push operand C
	Ь	Cb	push operand b.
	*	bxc	pop band G Combine
			to be and push .
	a	b*ca	Push operand a
	+	a+b*c	popa and bxc,
			Combine to a + b* c
			and push.

The resultant Infinix expression is at bxc