

eq:

Shift Reduce Pairing:

Convider the following set of production:

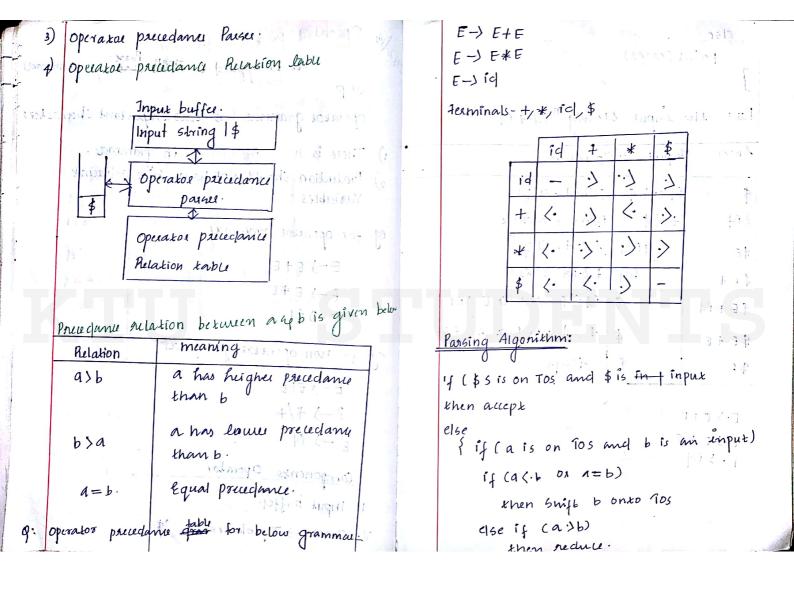
3-) aAcBe

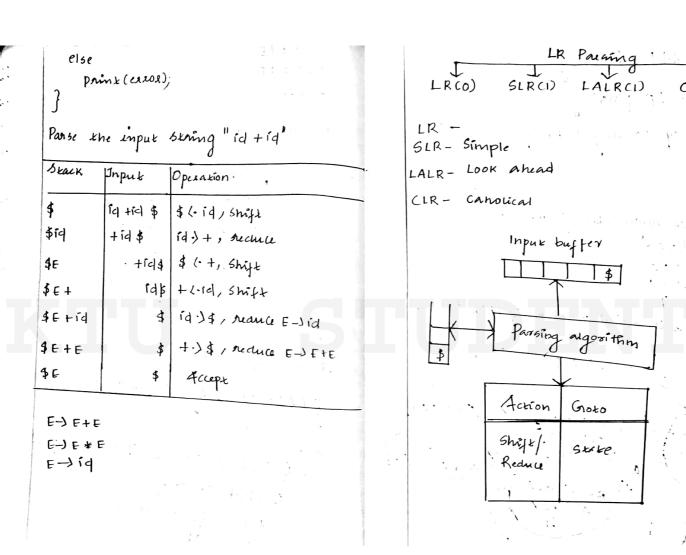
A-) Ab/b

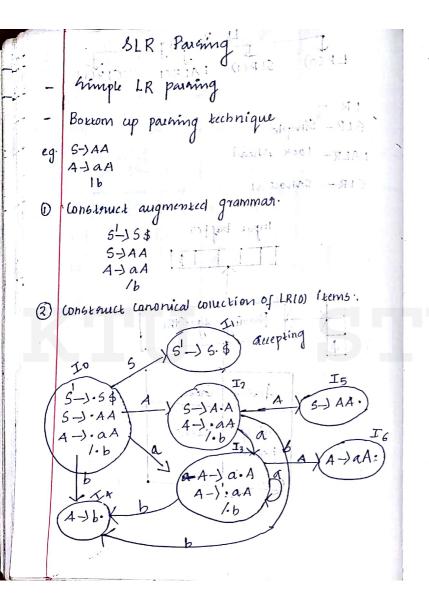
B-) d

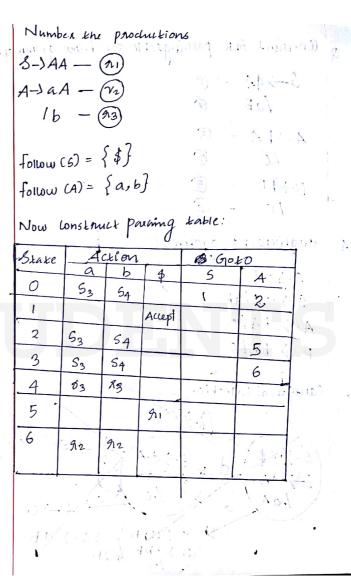
Shift reduce pairing of input is done on follows:

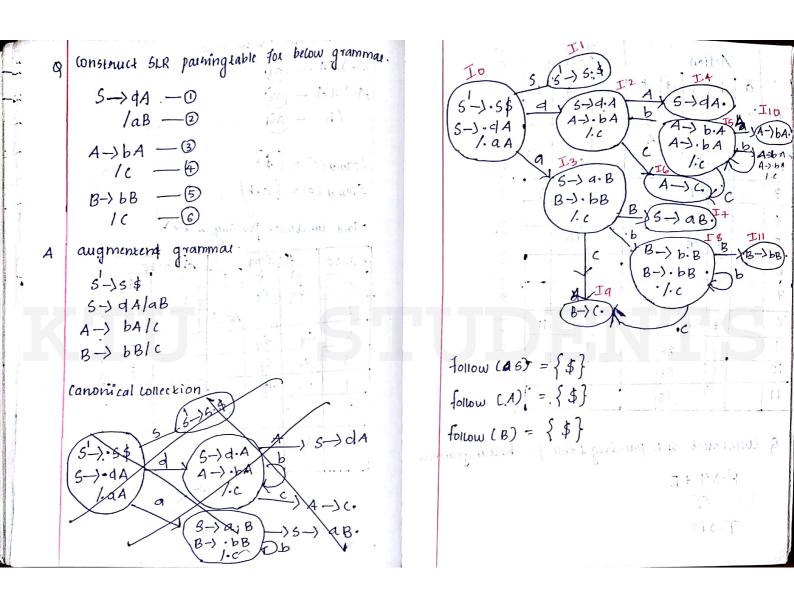
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Stack loput buffer Operation Stack abbode \$ Shift Shift Shift Acduc (A-) b)	Openator principenii pasiring; cause of gravina
\$\frac{\psi}{\psi}aA\\ \text{cde\$\psi}\\ \frac{\psi}{\psi}aA\\ \text{cdu(a \columnits A \columnits B \columnits)}\\ \frac{\psi}{\psi}aA\\ \text{cdu(a \columnits B \columnits)}\\ \frac{\psi}{\psi}aA\\ \text{cde}\\ \fracall \frac{\psi}{\psi}aA\\ \text{cde}\\ \fracall \fracall \frac{\psi}{\psi}aA\\ \text{cde}\\ \fracall \t	operator grammar has two traportant characters i) There is no & production in grammar. Production should not have took adjourned variables. eg: for operator grammar. E-1 E+E
\$ a A c B \$ neduce (A-) a A c Be) \$ a A c B e	eg: fo non-operator grammas. E-) EPE P-) */+
a b b c c e	Components Operator 1) Input buffel. V Stack -> Top element is \$'



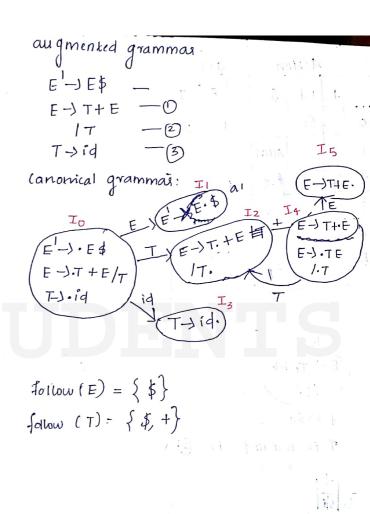








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Hotel Mitue

	7	Actio	n	go	10 H	wed torough may		13/2014	Every SLR(1) grammas is unambiguous But
	+	ic	\$	E	T,	(a) 43 C (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d			there are many unambiguous gramman that are not SLR(1)
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10/10W(5) = } \$}
follow(L) = { = 1 \$}
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Paining table.

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Iz his a reduction R-> 1.

So cheek to follow of R = {=, \$}

Shift reduce conflight conflict

: this grammae is not SLR.

Reduce-Riduce Confliget

Ii

A-> X.

B-) B.

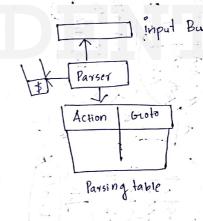
follow (A) A follow(B) # Ø

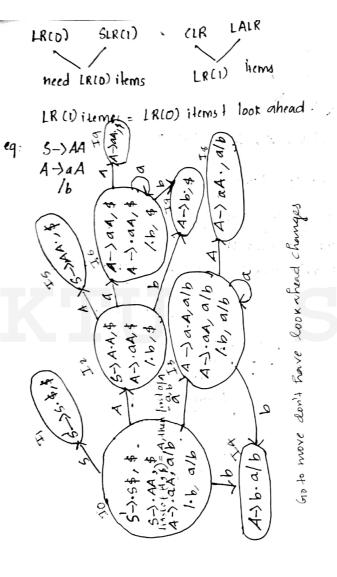
(LR (1) Parsing

LR parsing technique

(LR- Canonical LR

Require canonical Collection of LR(1) items





	Ac	tion		GIOTO				
	a	b	\$	5	A			
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S→AA —() A->aA-(2) A>Ob-(3)

LALR(1) paraing table for above gramman

Idenkipy same elems with different look ahead I any anch item nets are present form a new brake by merging similar items.

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9	Construct SLR parsing table for below grammas.
	5->L= R/R
	L-> *R/id
	R->L
	17.5.24 4 1001 1
Syn	Construct augmented grammas.
	5-15\$
	5-> * R/id
	$R \rightarrow L$
	Construet camprical collection of LR(0) items
	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$
	(1-3)-1
	5-).6\$ L 35.1. 13 + L-1 · * R 19
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	Marken 19
	id
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	buow (R) = { = 1 \$}.
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