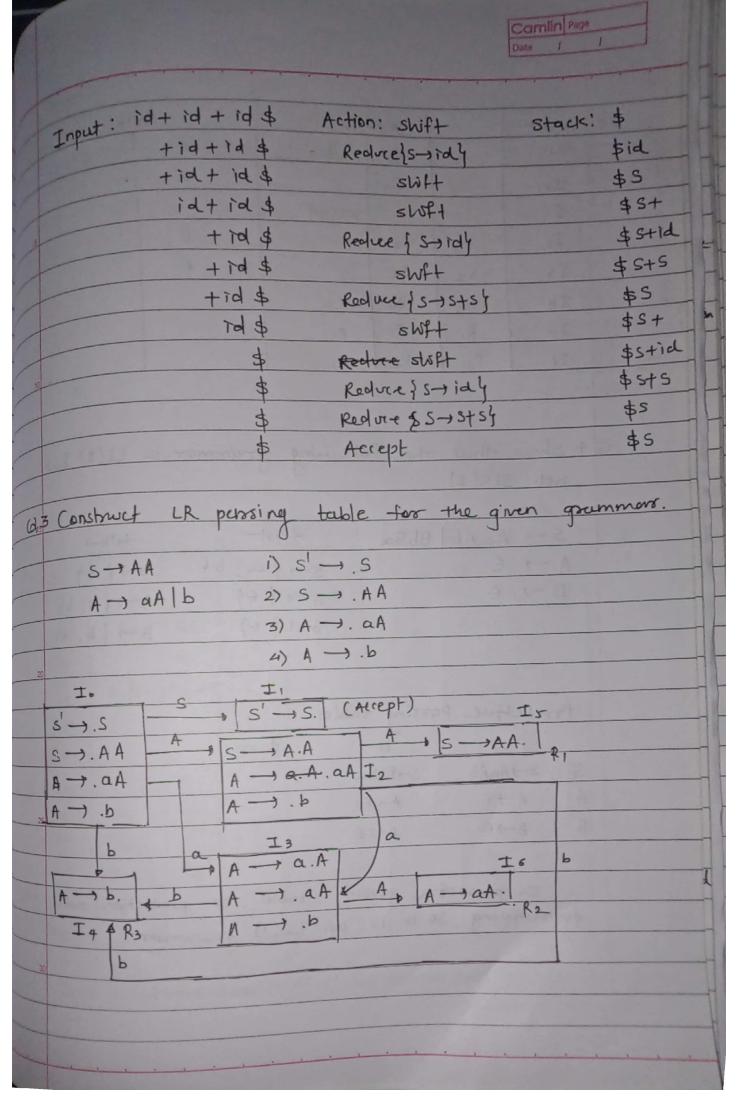
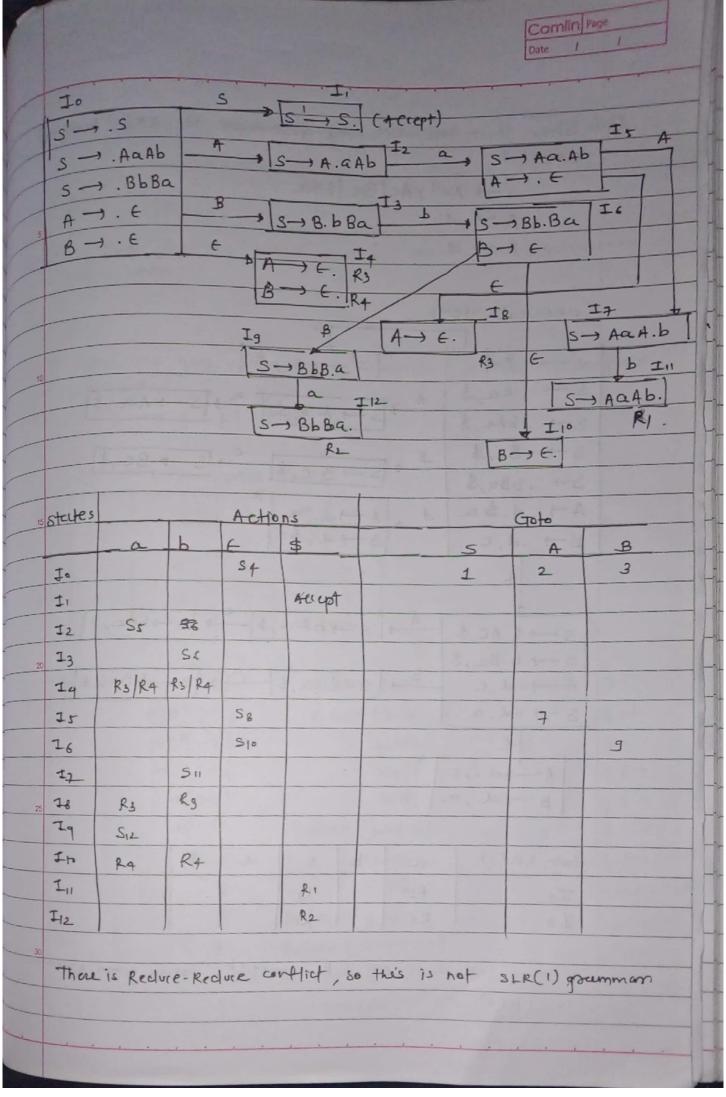
	Bhavin Patil	Tycs.D		Roll No. 66
		Assignment 5		1333
- Q	1. Constauct	LL Parsing table	for the	ginen grammer
	S→iEt E→b	S iftSes a		
	After sem	oviny the left	- recursion	,
10	$S \rightarrow iEt$ $S' \rightarrow eS$ $E \rightarrow b$	\$s' a s- € s'.	-Anst → 1 1, a 4 → 1 e, e 4	
15	Predictive	Passing table		
	s s→iEtSs'	t a e	b \$	
20	F	5 ¹ →eS	- 1	Calaby ada
€.2.	Perform Shif String S-) S+S S-) s*S S-) id	t reduce persi	ny for th	
30	out string: 1d+	id+îd		

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-				, , , ,		
	-	1			G	Toto
Take 8	State		ACT	ion	A	5
		a	b	\$	2	1
100	1.	S3	Sat	1		
	s Iı			Accept	5	
-	J2_	53	Sa		6	
		S3	84			
	14	R3	Rg	R3		
	J5	R ₁	Ri	RI		
744	10 Ic	R2	R2	RL		
12.00		7200	2127	10 To		
		TEFF	23.00	14	the state of the s	
- 0	2.4 Show	that	the f	following	grammor is	LL(1) b
	hot :	SLR(1)		٥	J	
To do	15	15 .034			A Cayusa 23	Asurdia 3
	$S \rightarrow$	AaAb	BbBa	fis	2	tollow
	$A \rightarrow$			5-> 1	la, by	5-> + \$4
	B		A A	$A \rightarrow$		A -> { a, b}
			· A	B-1	1 "	B→ {b, a
20	0			1-5-6-4		D , [D , -
						-
	Predic	tjue Pa	crosina	table	- 12	
	7 - 3 - 3 - 5	a	1		\$	450
		AaAb		NAME AND ADDRESS OF THE OWNER, WHEN PERSONS ASSESSED.	4	3 - 1 18 - 57
	Λ Λ-				And the second	109-00
25	B B-		B-			1 - 3 - 17
	- 3		P	, ,		
	I.h	brean col	ue par	osing test	(1) grumme	luction out
	overing	Fing . S	0 H 1.	s an LL	(1) gramme	m
30					1	

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Camlini Fran
Q 5 Show that the following grammars is LR(1) but not LALR(1)
S -> Aa bAc Bc bBA
B + d
Canonical items
$s \longrightarrow . As$ $s' \longrightarrow s., s$
S -> . Aa,\$ A D S -> A.a,\$ a D S -> Aa.,\$
S -> . Bc, \$ B S -> B.C, \$ S -> Bc., \$
*
B-) .d, c B-)d., bc
42
Top 2.5
S-> b.AC,\$ A S-> bA.C,\$ -> S-> bAc.,\$
$ S \rightarrow b.Ba.$$
$A \rightarrow .d, C \xrightarrow{B} S \rightarrow bB.a., s \xrightarrow{a} S \rightarrow bBa., s$
B-)·d,a
d
A >d., C
25 B -> d., a
10 10 (1) 0 b c d \$
+02 CK()
J2 R5 R5
I3 R6 R6
there, there is no RR conflict, hence given greenme
Tele, men
1s LR(1)

