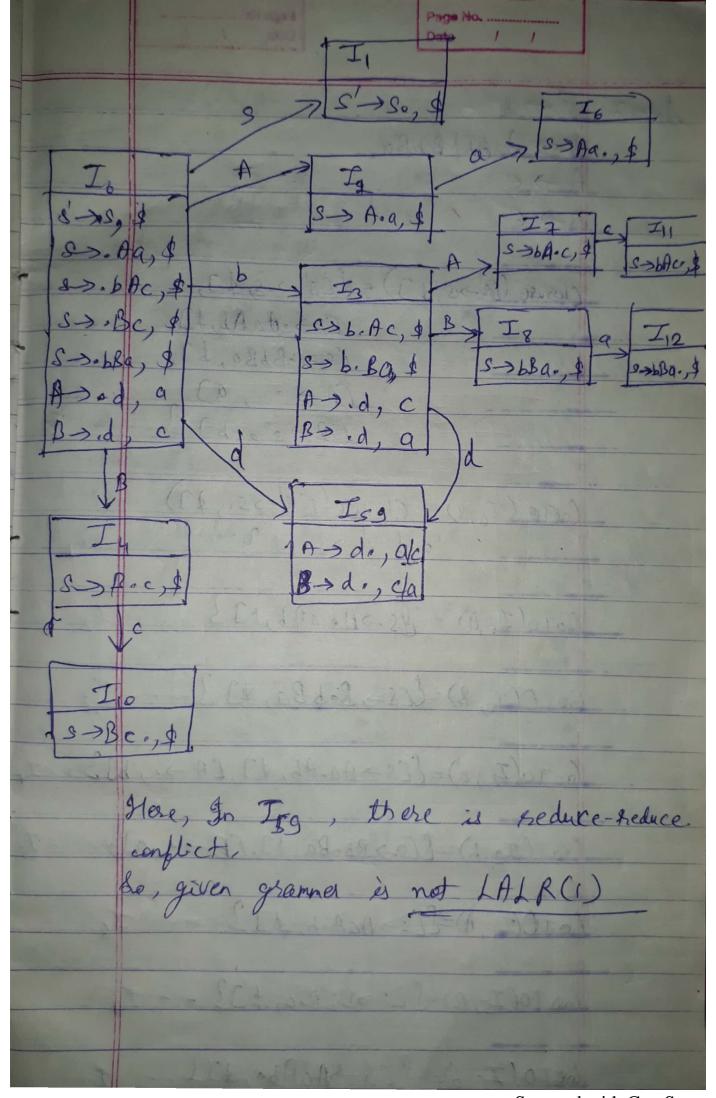


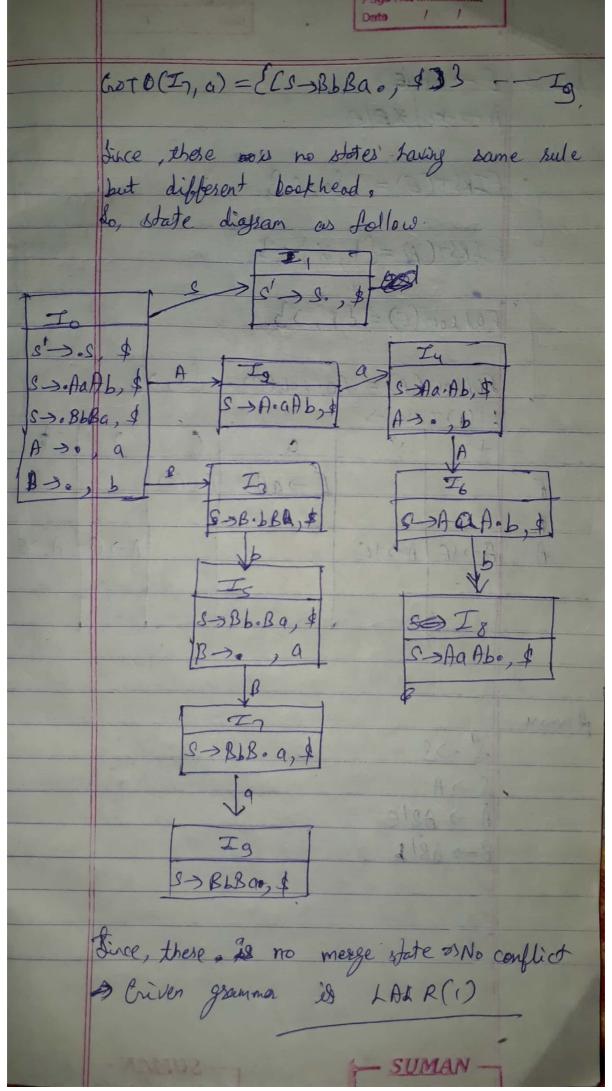
Scanned with CamScanner

Now, CLR(1) Passing Pable is State Action ROTO a b c d \$ 3 A 8 o \$3 Sy 11 2 9 1 2 86 3 R6 R5 R6 6 R2 R4 There are no multiple extres in any cold, 80, given grammer is CLR(1) of LR(1) Fethe obtaining the LALR(1) Passing taske by messing states, we will messe states by messing states, and the gresulting states.		THE PARTY OF		- SUMA	V -		
State Action a b c d \$ 3 A 8 o \$3 94 11 2 4 1 2 86 3 85 86 7 8 810 9 86 RS 9 86 RS 83 9 86 RS 83 10 R2 R4 11 R2 12 R4 There are no multiple entries in any call, 80, given grammer is CLR(1) at IR(1) 8 Cha ostaining the LALR(1) Passing table by merging states, we will messe atotes by merging states, we will messe atotes by merging states, we will messe atotes by merging states, we will messe atotes by merging states, we will messe atotes							
State Action a b c d \$ 3 A 8 o \$3 94 11 2 9 1 2 86 3 85 86 7 8 810 8 810 7 8 810 8 82 10 RS RS RS RS 10 RS RS 10 RS 11 R2 12 RY There are no multiple entries in any call, 80, given grammer is CLR(1) at IR(1) Fether ostaining the LALR(1) Passing tasks by merging states, we will messe states by merging states, we will messe states by merging states, we will messe states	h			(2)			
State Action a b c d \$ 3 A B o \$3 94 11 2 9 1 2 86 3 12 86 3 12 86 5 R5 R6 R5 R5 R6 R8 R8 R8 R8 R8 R8 R8 R8 R8	Now CLRCIS	Passing 7	able i)			
a b c d \$ 3 A 3 o 53 94 11 2 4 1 2 86 3 3 9 7 8 1 310 5 R5 R6 6 R5 10 R5 10 R2 12 R4 12 R4 These are no multiple extrices in any coll, So, given granner is CLR(1) of IR(1) 8 Expression states, we will messe states by messing states, we will messe states by messing states, we will messe states by messing states, we will messe states							
a b c d \$ 3 A 3 1 2 94 1 2 86 2 39 2 86 3 89 4 810 5 R5 R5 R5 R5 R5 R8 R8 R2 R4 R4 R4 R4 R4 R4 R4 R4 R6 R6	State A	ction	Belby	BALL 6	3000		
1 2 86 3 4 810 5 R5 R6 6 811 8 Sto R5 9 R6 R5 10 R2 12 R4 12			d	,	101		
2 86 3 4 510 5 R5 R6 6 70 811 8 S10 R5 9 R6 R5 10 R2 12 R4 14 R6 15 R5 16 R5 1	0	23	194	16	2 4		
2 86 3 4 S10 5 R5 R6 6 7 S11 8 S10 9 R6 R5 R2 R2 R2 R4 12 R4 12 R4 There are no multiple extres in any cell, So, given grammer in CLR(1) of IR(1) 8 Che obtaining the LALR(1) Passing table by merging states, we will merge states L5 & L9 rand the resulting state			100	accept	150		
There are no multiple extricts in any cell, So, given granner is CLR(1) of IR(1) Fethe obtaining the LALR(1) Passing table by merging states, we will merce states Ly Ly rand the resulting states	2 86						
These are no multiple extres in any cell, So, given granner is CLR(1) of IR(1) Sthe obtaining the LALR(1) Passing table by merging states we will merce states La la rand the resulting states	3		1 59	1	1718		
These are no multiple extres in any cell, So, given grammer is CLR(1) as LR(1) Some ostaining the LALR(1) Passing table by merging states, we will merge states La La rand the resulting state	4	310	2				
There are no multiple extres in any coll, So, given grammer is CLR(1) or IR(1) So, given grammer is CLR(1) or IR(1) So ostaining the LALR(1) Passing table by merging states, we will merge states by merging states, we will merge states by a land the resulting states	5 R5	186		1 3000			
These are no multiple entries in any cell, So, given grammer is CLR(1) of IR(1) Some obtaining the LALR(1) Passing table by messing states, we will messe states Lo L L L L L L L L L L L L L L L L L L	6			1 190	1		
These are no multiple entries in any cell, So, given grammer is CLR(1) as LR(1) Some obtaining the LALR(1) Parsing table by merging states, we will merge states Ls & Lg rand the gresulting states	70	112	A	\$ A1.0	2		
These are no multiple extres in any cell, So, given grammer is CLR(1) or IR(1) Sopre obtaining the LALR(1) Passing table by merging states, we will merge states Ly Ly rand the gresulting state	8 Sto A	0111		1 9.			
These are no multiple extres in any cell, So, given grammer is CLR(1) or IR(1) Some obtaining the LALR(1) Passing tasks by merging states, we will merce states Low La rand the granding states	9 R6	R5		1 014			
There are no multiple extries in any cell, So, given grammer is CLR(1) or IR(1) Sope obtaining the LALR(1) Parsing table by merging states, we will merge states Ly Ly rand the resulting state	-10	2		R3	1911		
These are no multiple entries in any cell, So, given grammer is CLR(1) of LR(1) Some obtaining the LALR(1) Passing table by merging states, we will merce states Ly La rand the gresulting states	1204-21	6.60		R2	8		
So, given grammer is CLR(1) or IR(1) Some obtaining the LALR(1) Passing table by merging states, we will merge states Lo 2 La rend the resulting state	12	9-10-0		RY.			
So, given grammer is CLR(1) or IR(1) Some obtaining the LALR(1) Passing table by merging states, we will merge states Lo 2 La rend the resulting state	1.112	GA		1			
So, given grammer is CLR(1) or IR(1) Some obtaining the LALR(1) Passing table by merging states, we will merge states Lo 2 La rend the resulting state	These are	no multip	ble ex	sies in a	ing cell,		
Some obtaining the LALRO? Passing table by merging states, we will merge states Ls 2 hg rand the resulting state							
by merging states, we will merge states Les 2 has send the resulting state	1. 81 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
by merging states, we will merge states Les 2 has send the resulting state	8 Oh obtaining the LALRO Passing table						
Lo & Ly land the resulting state	by meging states we will mege states						
be as follows:	Le & ha rand the resulting state						
	will be as follows:						
12 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		U	L	1200			
	1219	1 1 1			1339		
	18 pxy						



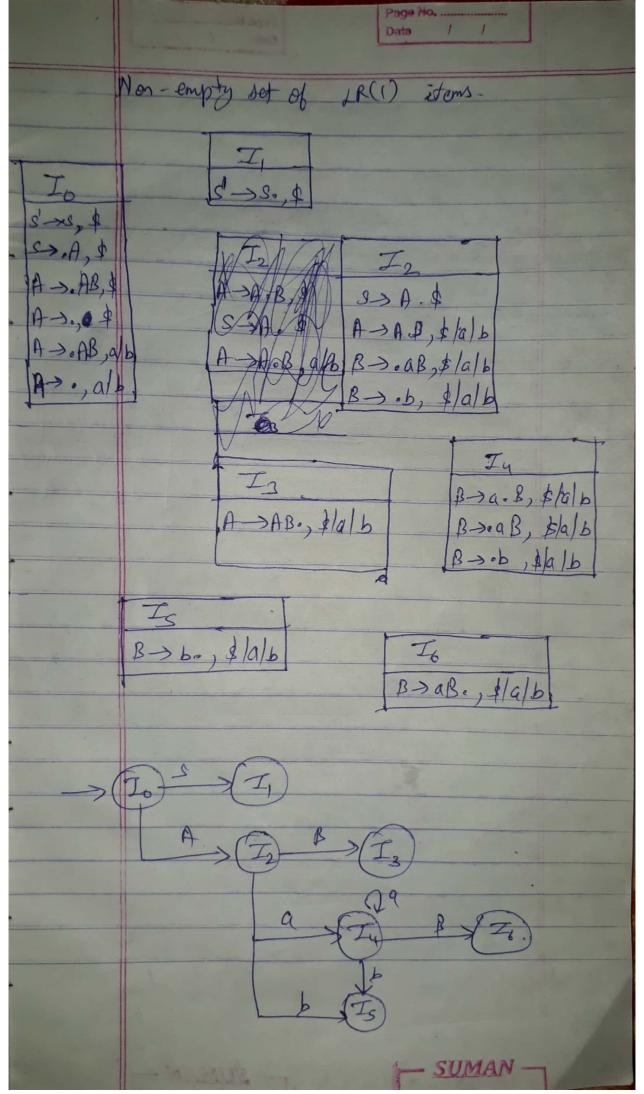
Scanned with CamScanner

Costs / /
Ans 2 8'->s
S> AaAb/BbBa
A->e
10-406-5 13 0-11 CD 10 C
Closuse ((s' >>s, +)) = {(s' >-s, +),
8 + 1 3 A. (ES) - AaAb, \$),
BbBa, \$2,
$(A \Rightarrow (A)$
CB+0, b) 5 = ==============================
Costo (Jo, s) = Closure (Cs' → s., 4)
= E s' -> So, & J
GOTO(I,A) = (S)A. AAb, \$33 I2
GOTO(Io, B)=(CS > B-bBa, \$) 3
GOTO(I2, a)=E[S→Aa.Ab, \$], [A→., b]3-I4
(noT(I3,b)=ECC>Bb.Ba, 12, CB>., a3}
GOTO(Iy, A)=ECS > AaA.b, \$] 3 I6
GO TO(I5, B) = [C3->BbB.a, \$]3 I7
GOTO (I6, b) = ECS → AaAbe, \$21 I8



Scanned with CamScanner

			Page No			
			L			
dos 3.	$E \rightarrow a\theta(E)$					
	A > +E *E E					
- sha o	C-00 CO 0	1 3	30 301	1		
	FIRST(B) = E	9, 63	16.96	A LA		
	FIRST(A) = Et,	V : 2	1500 - 71	-		
	JOI (N) = CT)	4,65				
(FOLLOW (E) = ES	1774				
))].		100	1. 1	
	FOLLOW (A) = F	OLLOWCE)= (\$, >3.10	A	
	LL(1) Table >	Death Est	-2	The same	18:23	
-	1+4 *	a)	12901	
E	A. C.	E → aA	E-)(6	E) .	Leal	
	ADAGO	13 M39	Sap.			
H	A >+E A >+E			$A \rightarrow \epsilon$	1 HX	
		1				
			101		•	
1	ISO DEC	-	1-1			
Amssy			*, 1			
	5'->5	1400	218 2			
	$A \leftarrow 2$	1.1				
	A > AB/E		V			
	B-> aB/L		27	1		
		110	08480			
				5.0		
- July	olice others	×1. 51	10 - 360	At mile		
-	The same of the sa	111 156	THE PERSON			



Scanned with CamScanner

Pego No
AND CONTRACTOR OF THE PROPERTY
5) Set of operations of the drith nation
explession is equal to no of reductions.
Les encemple grammets be
$E \rightarrow E_{\chi} + T$
T > T & F thos enjestions 3+5*6.
F-28-21-09-11-84-61
f > digit.
Naco : apr -
Noo; SDT form is. E>E,+T CE-val=E, val+T, val; 3
E - val = Tival; 3
TXF ET. val = T, val + f-val; 3
T->f & T. val = f. val ;3
to digit & F. val = digit-dessem ; }
The state of the s
Sussing Semantic Rule.
N-)L.R. Neval -1. val + R. val
$L \rightarrow BL$ $L \sim val = (B, val + L, -val) \times 2$
L->B L-val = B.val x2
R-val = (B, val + R, val) x 2
$R \rightarrow B$ $R \cdot val = B \cdot val \times 2^{-1}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Saannad with Com

Ans 6 Creamer is s-> id = E;) L=E; E > E, + E2 | id | L L-> (xt) id CE) LICE] SDT to convert array references to 3-address B-) id = E; & gen (top.get (id. leneme) '= 'E. odds);) 1 2= E; Egen(de addribase [Laddr] = E. addr); E>E, +E2 EE. addr = new Temp();

gen (E. addr '= 'E, -oddr '+ 'E, addr);3 lid EE. addr = newtop.get (ad. leneme); 3 IL EE adds = new Temp (); gen(E. addr'=' L. assay base ('Leade'); 3 Lid (E) {L.assay = top-get(id.lexeme); L.type = L.assay.type.elem; L.addr = new Temp(); gen(h. addr '= ' E. addr '* L. type. width)} 1 LIED EL. alsay = L, array; Litype = L, type etem; t=new Temp(); L. addr = new Temp()) gen (t'= 'E. addr '* Litype. width); a gen (Laddr '=' L, addr * the