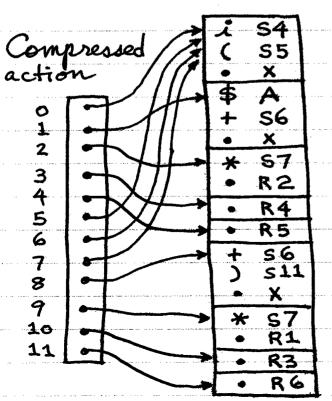


Parse table for ETF CFSM 1goto									
	\$	+	*	i	()	E	T	F
0	×	×	×	S4	S ₅	×	1	2	3
1	·A	S6	×	×	*	×			-
2	R2	R2	S7	5	-	R2	-		
3	R4	R4	R4	-	-	R4			
4	R5	R5	R5		-	R5			
5,	×	×	×	S4	S 5	×	8	2	3
6	×	×	×	s 4	s5	×		9	3
. 7	×	×	×	s4	s 5	×			10
8	×	56	×	×	×	s11			****
9	R1	R1	s7		••••	R1			
10	R3	R3	R3		ومنعاذ	R3	******	~~	. , . , , , , , , , , , , , , , , , , ,
11	R6	R6	R6			R6			

Table size = 12 × 9 = 108

note: action many rows same repeated reduce goto: rep in cols



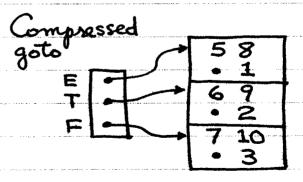
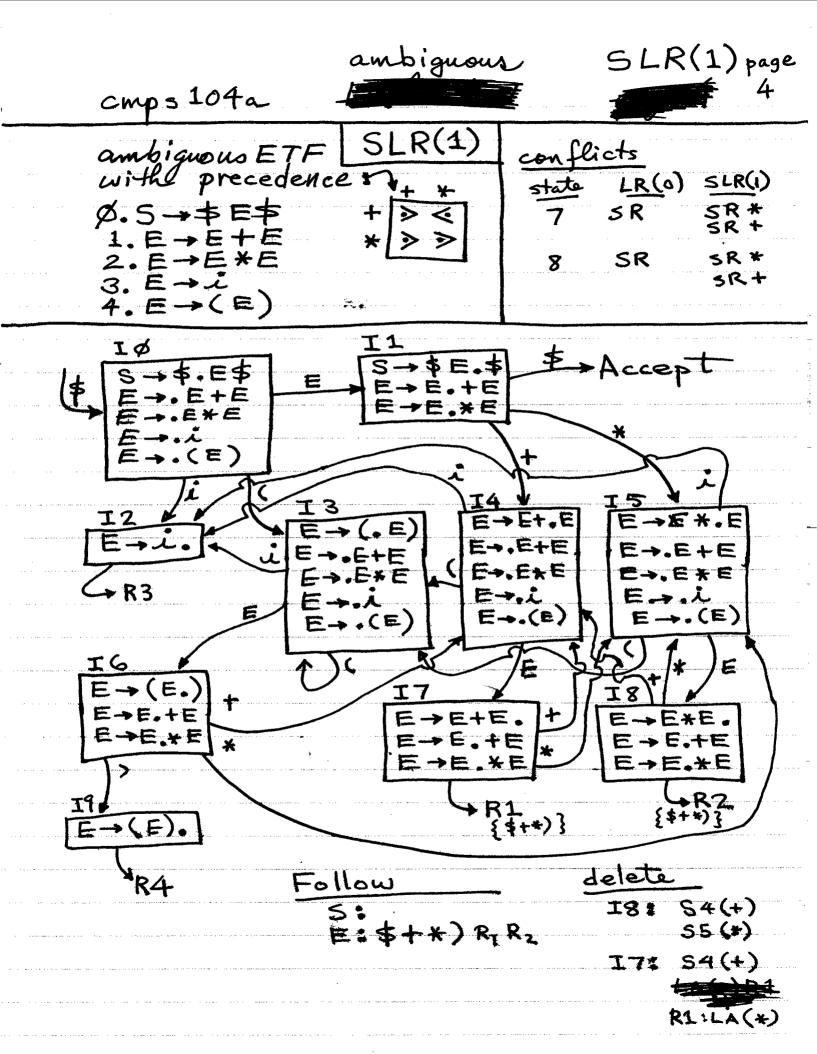


table size = 12+2×17 + 3+2×6 = 61

compression $\frac{61}{108} = 56\%$



d. 3 🏲 3 ™

LALR(1) ex (not SLR(1))

- Ø. A→\$5\$
- 1. S→L=R 2. S→R 3. L→*R

- 5. R→L

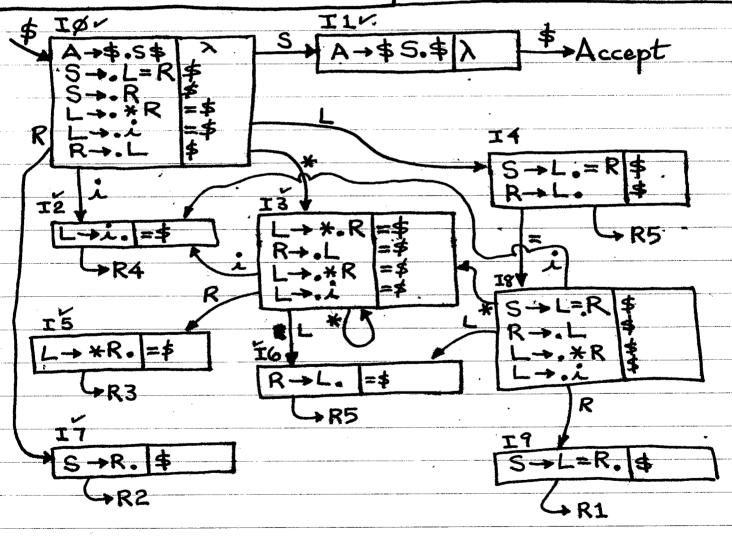
state 4: LR(0) 5/Rconf (=)

Follow **5**:\$

 $L:=R_5$ R: R3 R2 R1 \$= R5 \$=

state 4: SLR(1) S/Rconf (=)

: not LR(0) not SLR(1)



I4R5 {\$} shift {= }.

is LALR(1) L

IT polved: R2293 : in LALR(1)

III

181

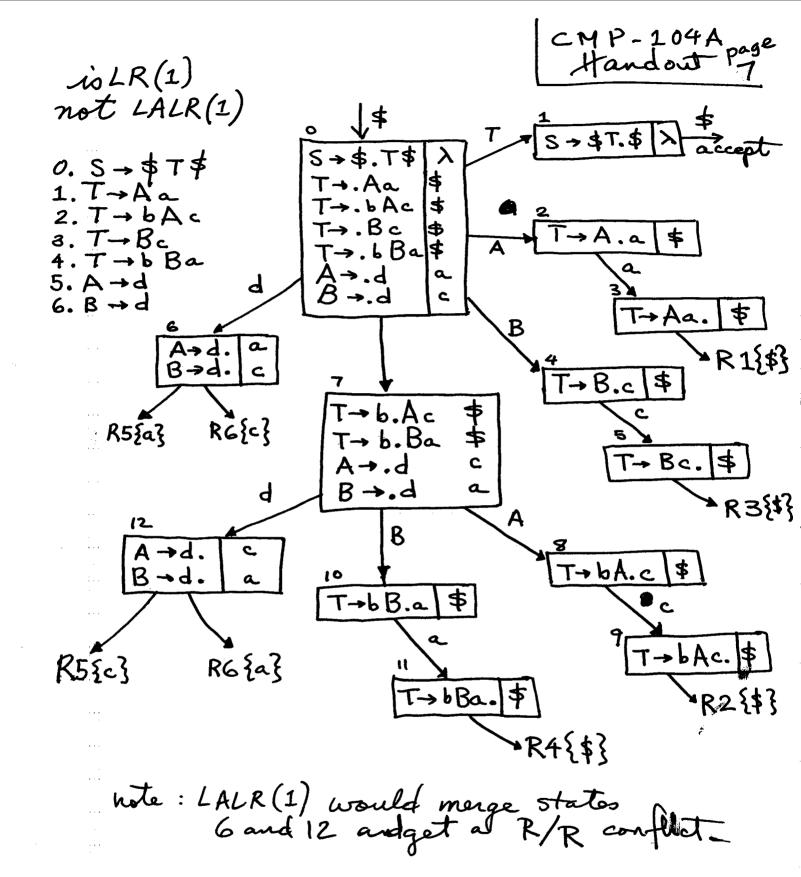
IIO

211

17×

14

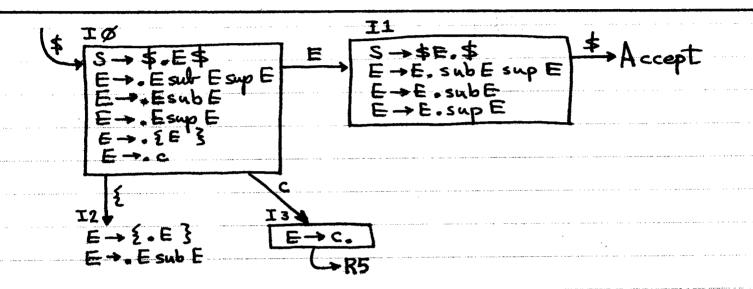
ISV



5. E → c

```
Ø. S→$ E$
1. E→E sub E sup E
2. E → E sub E
3. E → E sup E
4. E → {E}
```

% sight sub sup



%right sub sup % right SUBSUP

expr: expr SUB expr SUP expr % prec SUBSUP lexpr SUb expr expr SUP expr 1418 expr 131 1 TOKEN