

$$S \rightarrow u \ B \ D \ z$$

$$B \rightarrow B \ v$$

$$B \rightarrow w$$

$$D \rightarrow E \ F$$

$$E \rightarrow y$$

$$E \rightarrow F \rightarrow x$$

 $F \rightarrow$

- b. Construct the LL(1) parsing table.
- c. Give evidence that this grammar is not LL(1).

D-> EF

d. Modify the grammar as little as possible to make an LL(1) grammar that accepts the same language.

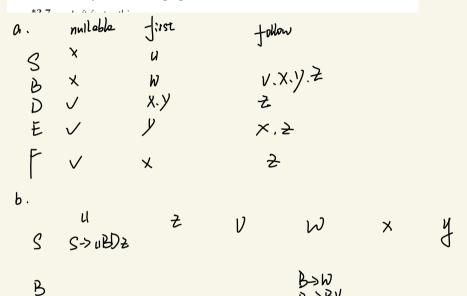


Diagram the LR(0) states for Grammar 3.26, build the SLR parsing table, and identify the conflicts.

States * X S6 22 а 2 S9 F3 (3 5 13 Γz [2 12 1 J8 gi ţ St 56 74 T4 T4 7 Γς T5 Tt 15 8 Γ₃ T3 5 S6 98 910 1 TI Fi TI 10 状态3 遏剂 = 时存在移进旧约冲突

94分析表						
=	× Sb	* 22	\$	V	Ĕ	S g.
1	>6	22	a	g s	J4	J.
2 Co. F						
3 S9 F3			۲3			
4			[2			
ţ	S 6	St		J8	ð1	
b 74			Γ4			
7 [5			15			
8 r ₃			Γ3			
9	S6	95		38	910	
ιo			Γ,	7	O	
u 11a	J.irs=	. 4	olbw			
null able S' no	* ×					
S No	Э×		\$			
V No	⋆. ×		- \$			
	X . :	×	= \$			
E NO *· * * * * * * * * * * * * * * * * * *						
还是化状态与例如一则任此初一一四个						

Hirst John u. 13 tills all LIN(1) graffillar: Give evidence. 3\1/3 Show that this grammar is LALR(1) but not SLR: S $_0$ $S \rightarrow X \$$ $X \rightarrow dc$ b.d Х $X \to M a$ $A X \rightarrow b d a$ Μ $_2$ $X \rightarrow b M c$ a.C 2210) state BZR. a a 2 911 ર 57 } g 4 Ţ Γς 5615 Γ_3 789 T 5 510 ιo ر۱ ٢, S24分析表存在移进、旧约冲泉 · 不是 S44文法

u. 15 tills all LIN(1) grainmar: Olve evidence.

$$\begin{array}{c|c} & & \downarrow d \\ \hline & & \times \to d \cdot c & \$ \\ M \to d \cdot & \alpha & \end{array} \xrightarrow{C} \begin{array}{c} C \\ \hline & \times \to dc \cdot \$ \end{array}$$

$$\left[\begin{array}{c} X \rightarrow d \cdot A \\ M \rightarrow d \cdot A \end{array}\right] \longrightarrow \left[\begin{array}{c} X \rightarrow d \cdot A \\ X \rightarrow d \cdot A \end{array}\right]$$

信義后 $2A2RU)分析表同2PU)分析表... 不存在归约归约冲突...$

(

S->CX

S

Χ

Ē

F

A

)

(3<-2

x → E)

E →A

F ->A

A->

不存在冲泉、所以为山山文法

S->E]

X-> F]

E>A

F->A

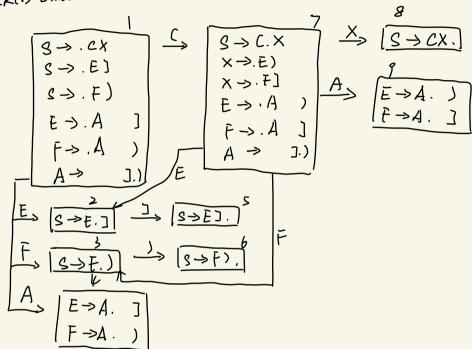
A->

Show that this grammar is LL(1) but not LALR(1): $_{1}$ $S \rightarrow (X$ $5 \quad X \to F$

$$_3$$
 $S o F)$ $_7$ $F o F$

$$_{4}$$
 $X \rightarrow E$) $_{8}$ $A \rightarrow$

$$4 \quad A \rightarrow E) \qquad \qquad 8 \quad A \rightarrow E$$



$$E \rightarrow A$$
. J.) 存在旧约旧约冲突 $F \rightarrow A$. J.) . 不是 $LA \perp R \sqcup I$ 文法