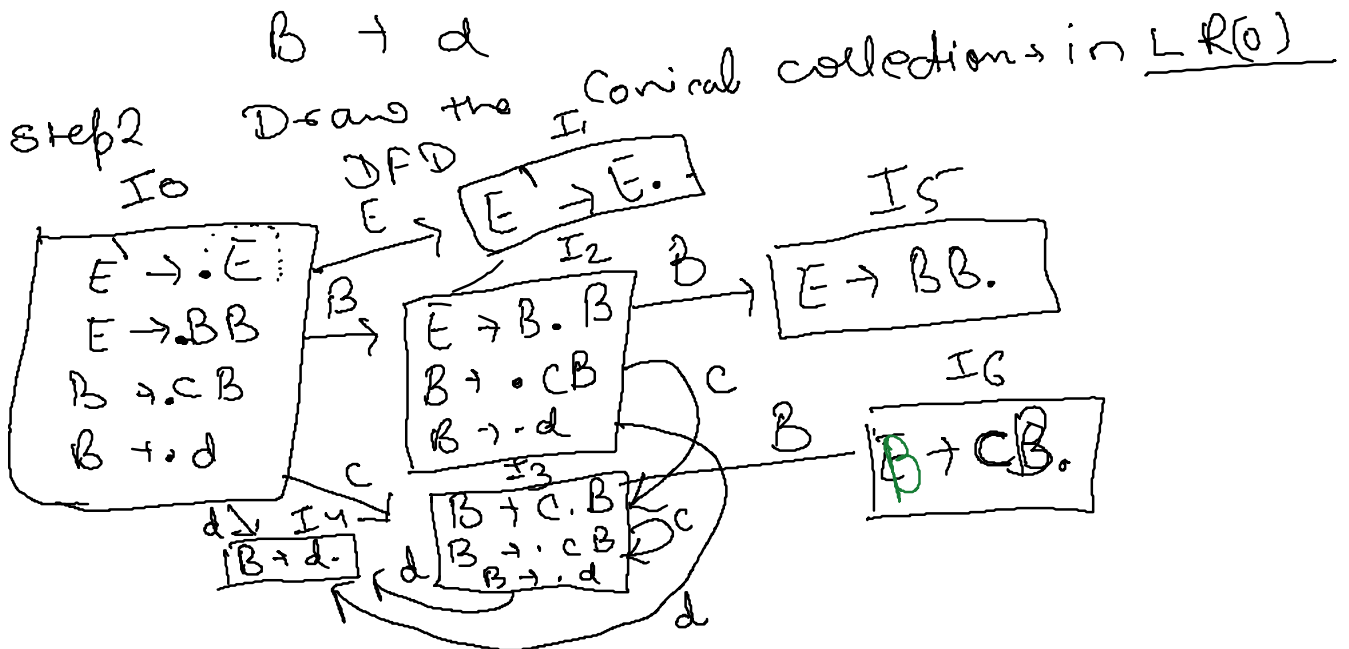


$$\begin{aligned} E &\rightarrow BB \\ B &\rightarrow cB/d \end{aligned} \rightarrow \underline{LR(0)}$$

Step 1 Augment the given grammar.
 $E' \rightarrow E \rightarrow$ augmented grammar.
 $E \rightarrow BB$
 $B \rightarrow cB$
 $B \rightarrow d$



Step 3 → Numbering the production.

$$\begin{aligned} E' &\rightarrow E \\ E &\rightarrow BB \rightarrow (1) \\ B &\rightarrow cB \rightarrow (2) \\ B &\rightarrow d \rightarrow (3) \end{aligned}$$

Step 4. Parsing table. LR(0)

States	Action			Goto	
	c	d	\$	E	B
T	S ₂	S ₄		1	2

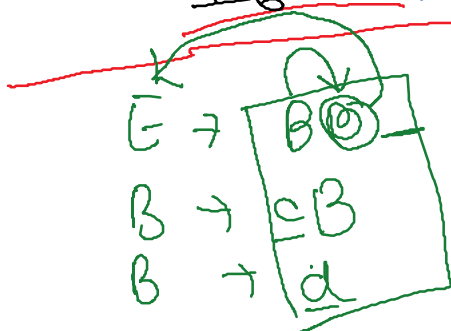
		1	2
I_0	S_3 S_4		
I_1	Accept		
I_2	S_3 S_4		5
I_3	S_3 S_4		6
I_4	r_3 r_3 r_3		
I_5	r_1 r_1 r_1		
I_6	r_2 r_2 r_2		

SLR(1)

Parsing table

done

State	Action			Go to	
	c	d	$\$$	E	B
I_0	S_3	S_4		1	2
I_1			Accept		
I_2	S_3	S_4			5
I_3	S_3	S_4			6
I_4	r_3	r_3 r_3			
I_5			r_1		
I_6	r_2	r_2 r_2			



$I_4 \rightarrow (B) \rightarrow d$

Follow(B) $\rightarrow ?$
First(B)

$\{c, d, \$\}$

$$\text{Frac}(B) \rightarrow C, d^{-}$$
$$\begin{array}{ccc} \mathbb{I}_S^- & \rightarrow & E \rightarrow BB \\ & & \uparrow \end{array}$$

follow (E)
→ {S}

$$I_6 \rightarrow B \vdash C \quad \text{follows}(B) \\ \rightarrow \{c, d, \text{\textcircled{f}}\}$$

Conflict \rightarrow resolve optmize by SLR(1)

RR

$$A \rightarrow \cdot a \rightarrow (1)$$
$$B \rightarrow b \rightarrow (2)$$
$$C \rightarrow a.B \rightarrow (3)$$
$$I_1 \quad \begin{array}{ccc} a & b & s \\ \hline \sigma_1/\sigma_2 & \sigma_1/\sigma_2 & \sigma_1/\sigma_2 \end{array}$$

SR

$$C \rightarrow \cdot Ba$$
$$B \rightarrow d.$$

α d k Cmb redshift
 z
 I_T S_2/z^2 r_1 r_2

Grammar ve connect
pass id with 2 RCU)

Grammar can be easily parsed with
SLR(1) \rightarrow optimize technique.

0

$$E \rightarrow T + E \mid T$$
$$T \rightarrow id$$

Design \rightarrow SLR (1)
parsing table -