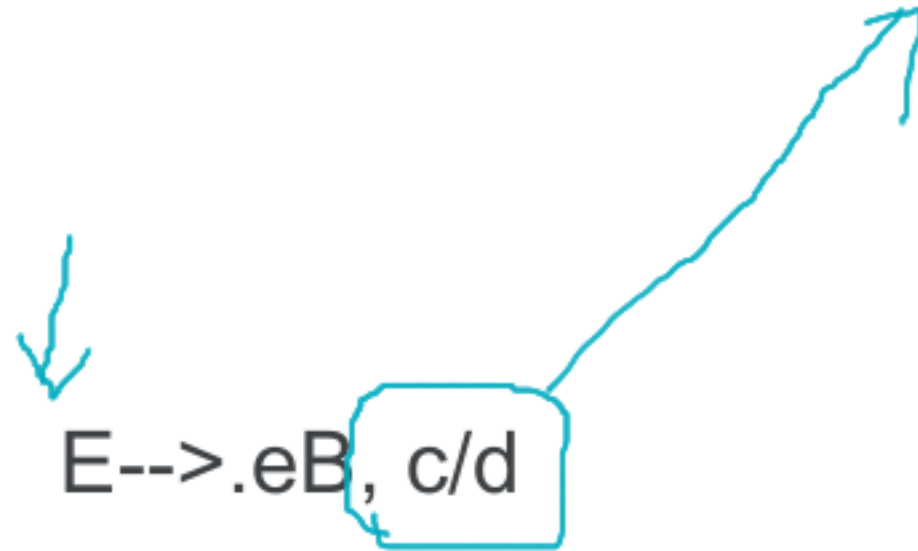


LR(0) Reduce in full Column

SLR(1) Reduce in only follows

CLR(1) Reduce only in Look Ahead



Look Ahead

1.

$A \rightarrow a.BE, c/d$
 $B \rightarrow .b, e$

$E \rightarrow e$

Take right non terminal's first

2.

$A \rightarrow a.B, c/d$
 $B \rightarrow b, c/d$

If nothing exits in right, take parent's look ahead

3.

$E' \rightarrow E, \$$

Start symbol's look ahead is \$

CLR(1) Parsing Steps:

1. Augment the grammar
2. Draw Conical connection with look ahead
3. Number the production rules
4. Create parse table
5. Stack Implementation

$E \rightarrow BB$

$B \rightarrow cB/d$

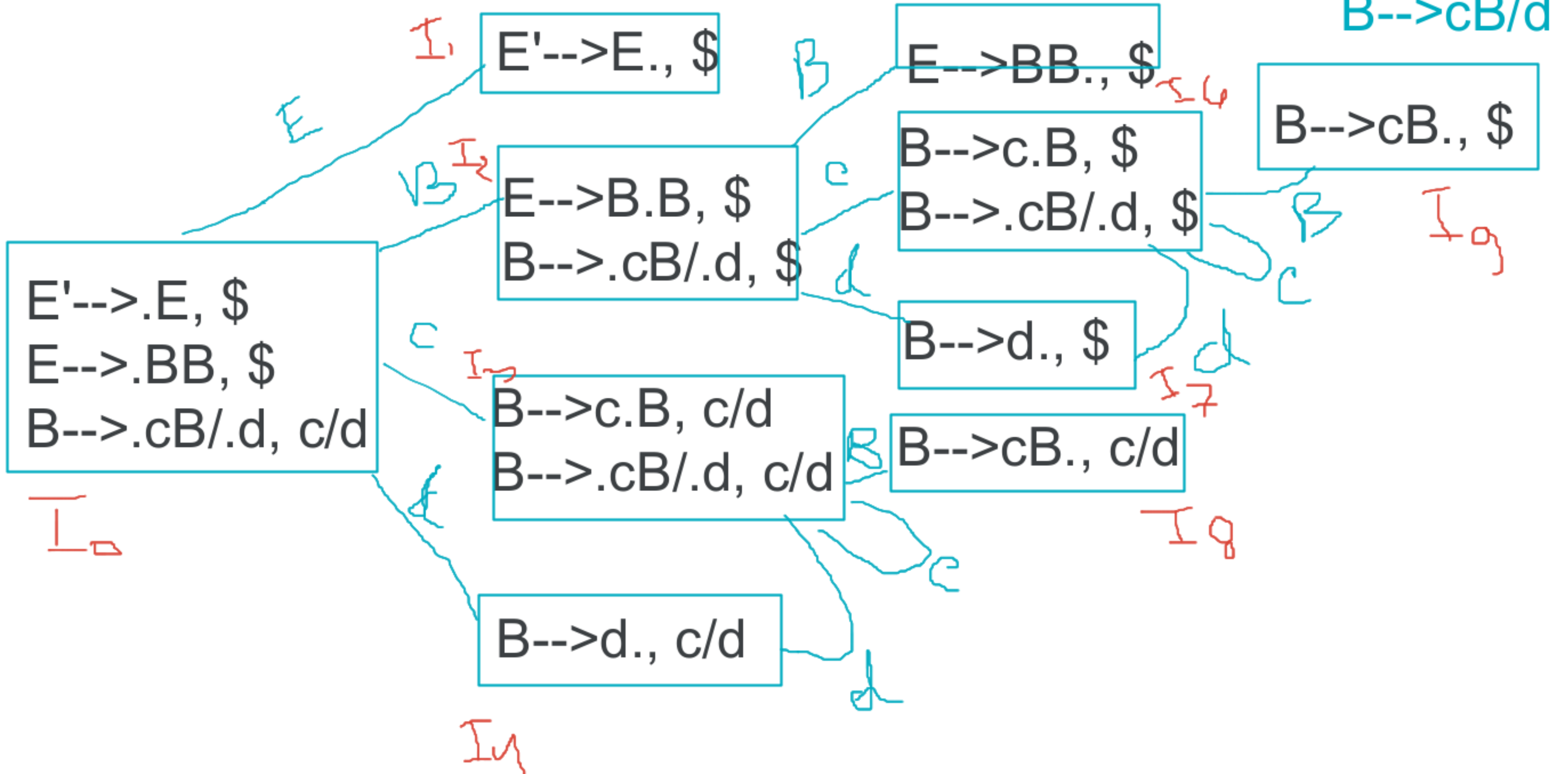
1. Augment the grammar:

$E' \rightarrow E$

$E \rightarrow BB$

$B \rightarrow cB/d$

2. Conical connection with look ahead:



3. Number the Rules:

$E' \rightarrow E$

1 $E \rightarrow BB$

$B \rightarrow cB/d$

2 3

4. Draw Parse Table

$E \rightarrow BB$
 $B \rightarrow cB/d$

States	Action			Goto	
	c	d	\$	E	B
I_0	S3	S4		1	2
I_1			Accept		
I_2	S6	S7			5
I_3	S3	S4			8
I_4	R3	r3			
I_5			r01		
I_6	S6	S7			9
I_7			r3		
I_8	r2	r2			
I_9			r02		