Step:

Augmented grammers, calculation of first, Transition diagram, LR(1) partsing table

Example: Check the greammere is LR(1) or not

S → AaAb 1BbBa

A → €

B → €

Soln:

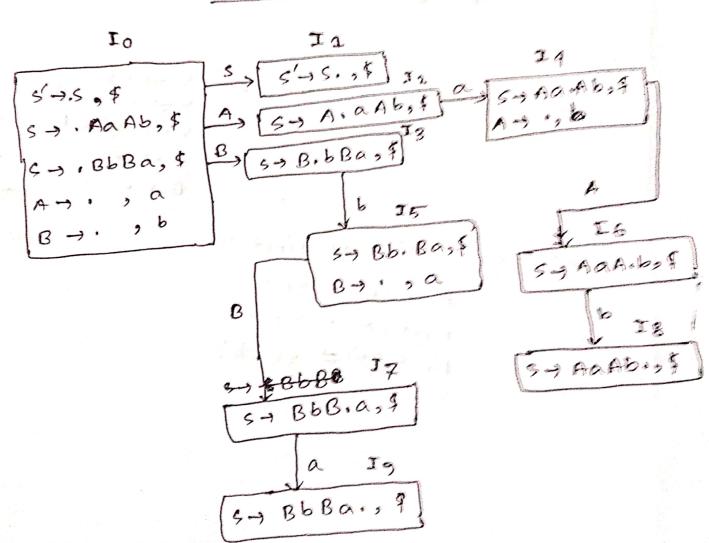
S

s-2: calculation of first set $first(B) = \chi \in \mathcal{G}$ $first(A) = \chi \in \mathcal{G}$ $first(S) \Rightarrow \chi(A, b, y)$

Augmented greammere

- (e) s'-, c
- (1) carrant
- (2) c → · BbBa
- (3) A -1
- (a) B -1 .

Transition Diagram



LF(1) Parsing table:

	Teminal				Non-terminal			
	oction			6,0 to				
state		ь	\$	3	A 2	3		
Io	15 3	P4		1			Children of the Control of the Contr	
I ₁			acopt					
I ₂	54		-			-	Non-section and the section of the s	
I ₃		55			+	6		
I4		P3					ヌ	
I ₅	194	450						
16		58						
12	Sg		(Ca)					
I 8	+		P1		_			
I 9		ing.	P2					

pesalte table donnot contain thus given grammer is LR(1)