NO.

PAGE No.

DATE

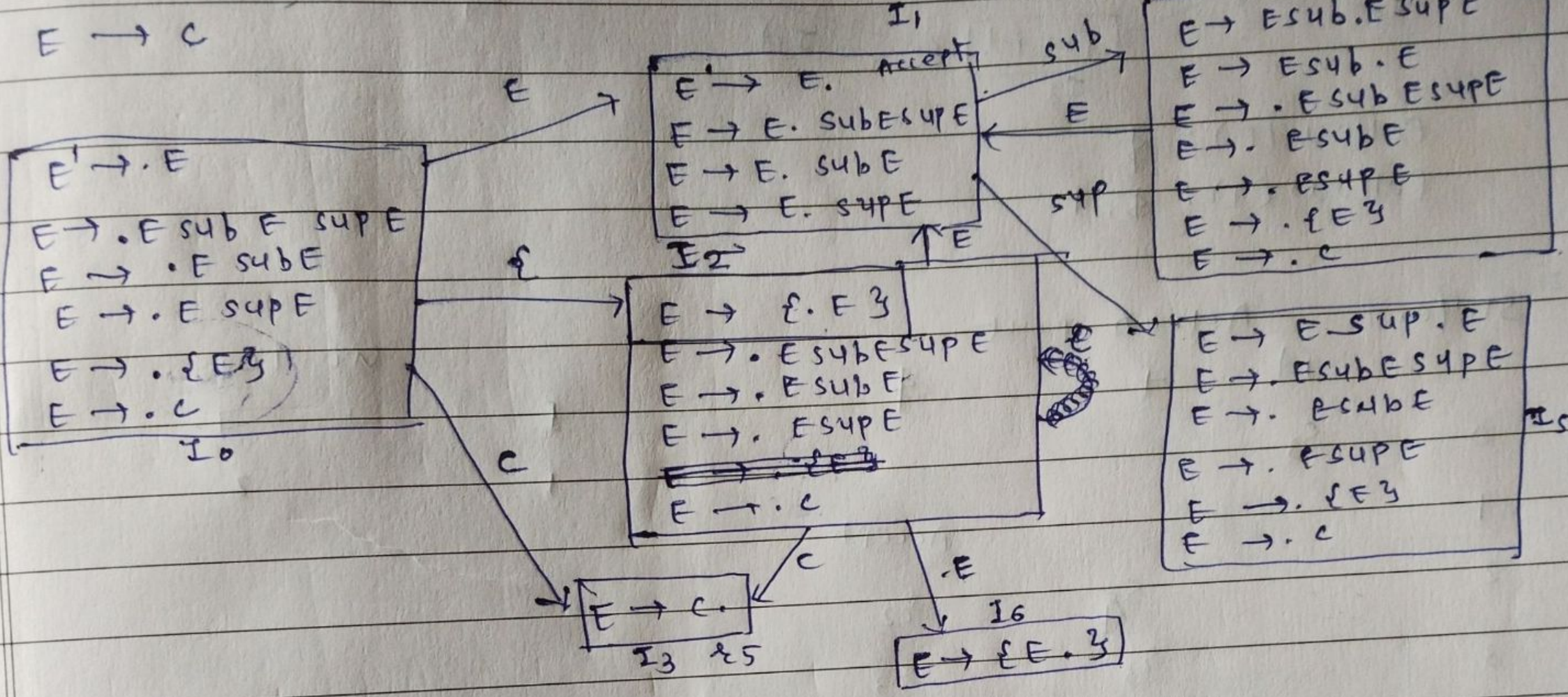
E → E sub E sup E

E → E sub E

E → E sup E

E → { E }

E → c



states	ACTION part						GO TO.
	sub	sup	{	}	$	c	E
0			S_2			S_3	1
1	S_4	S_5					
2	R_4	R_4	R_4	R_4	R_4	R_4/S_5	
3							
4							
5							

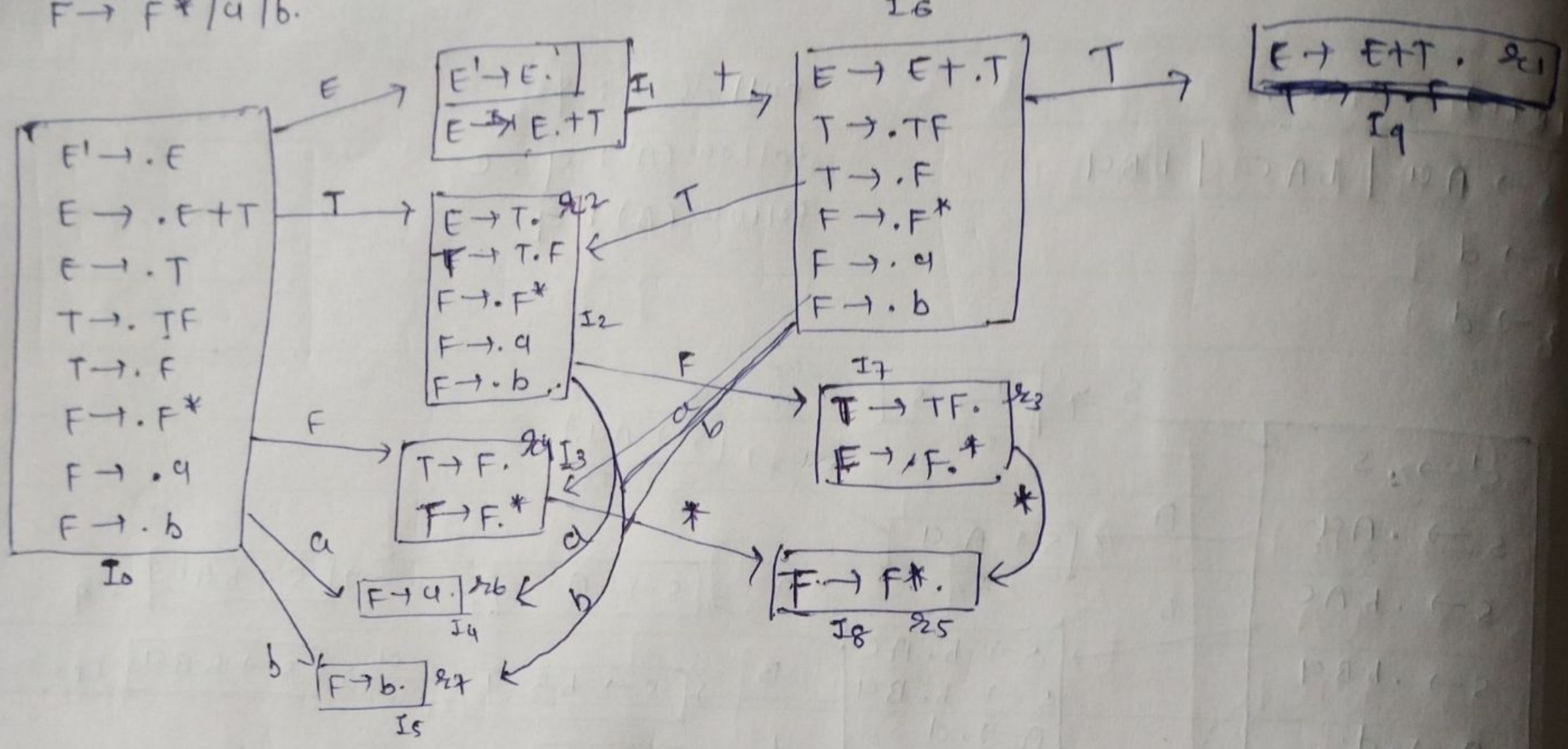
LR(0)

×

* $E \to E+T \mid T$

$T \to TF \mid F$

$F \to F^* \mid a \mid b.$



states

	Action part					GTO part	
	+	*	a	b	$	E	T
0			S4	S5		1	2
1	S6				Accept		
2	R2	R2	R2 S4	R2 S5	R2		
3	R4	S8/R4	R4	R4	R4		
4	R6	R6	R6	R6	R6		
5	R7	R7	R7	R7	R7		
6			S4	S5		9/2	3
7	R3	R3/S8	R3	R3	R3		
8	R5	R5	R5	R5	R5		
9	R1	R1	R1	R1	R1		

LR(0) ✗

PAGE No.
DATE

* LR(0) parser:

$S \to AaA \mid bAC \mid bBa$

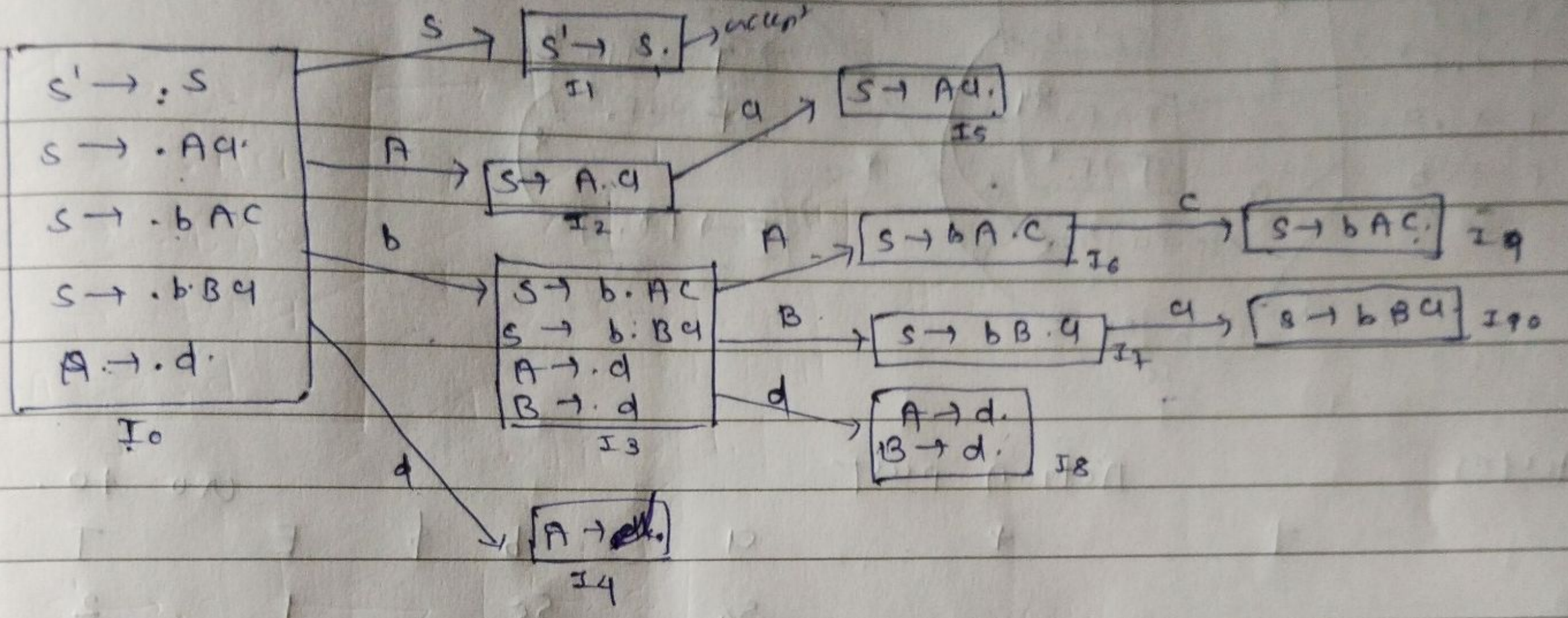
$A \to d$

$B \to d$

follow(S) : $

follow(A) : a , c

follow(B) : a



states	Action part					GO TO		
	a	b	c	d	$	S	A	B
0		S_3		S_4		1	2	
1					Accept			
2	S_5							
3				S_8			6	
4	r_4							
5	r_5.							
6			S_9					
7		S_{10}						
8	r_8							
9	r_9							
10	r_{10}.							

LR(0)

Teacher's Sign.:

PAGE No.
DATE

* LR (left to right, right most derivation).

① LR(0)

② SLR

③ CLR

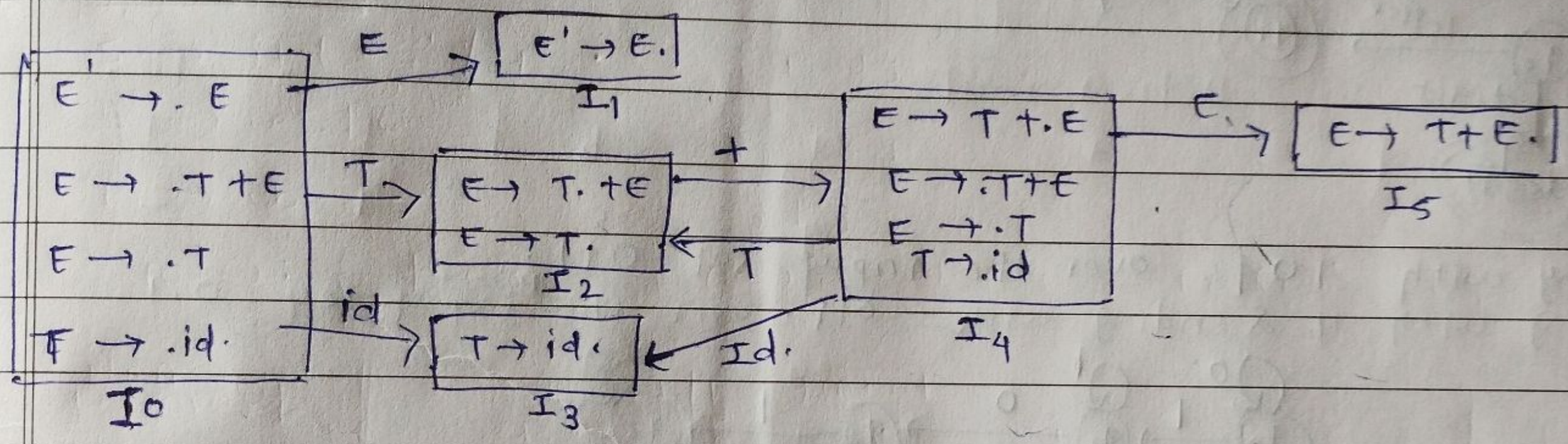
④ LALR.

① LR(0).

$E \rightarrow T+E$ ① / T ②

$T \rightarrow id$. ③

canonical items.



LR(0) table:

state.	Action part			go to.	
	id.	+	$	E	T
0	s_3		Accept	1	2
1					
2	r_2	s_4/r_2	r_2		
3	r_3	r_3	r_3		
4	s_3			5	2
5	r_1	r_1	r_1		

Not LR(0) parser;

Teacher's Sign.: