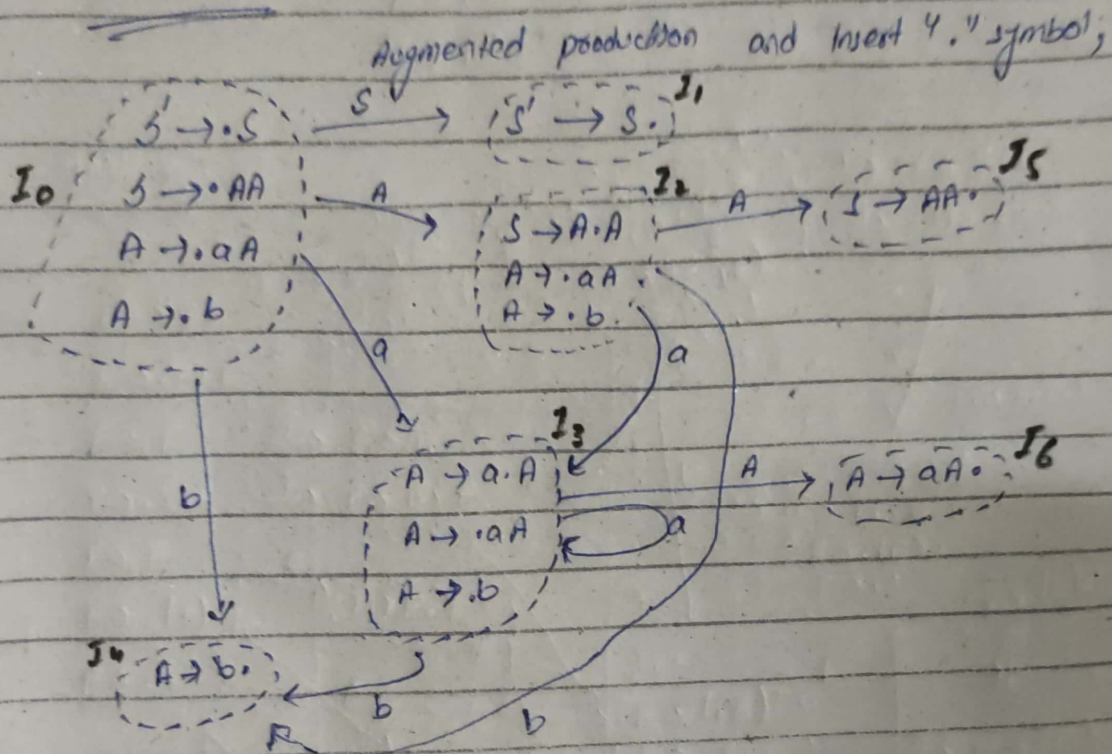


Grammar - 1

$$S \rightarrow AA$$

$$A \rightarrow aA / b$$

Solution :-



States	Action				Variables	
	a	b	\$		A	S
I_0	S_3	S_4			2	1
I_1	A	C	C	E P	T	
I_2	S_3	S_4			5	
I_3	S_3	S_4			6	
I_4	δ_3	δ_3	δ_3			
I_5	δ_1	δ_1	δ_1			
I_6	δ_2	δ_2	δ_2			

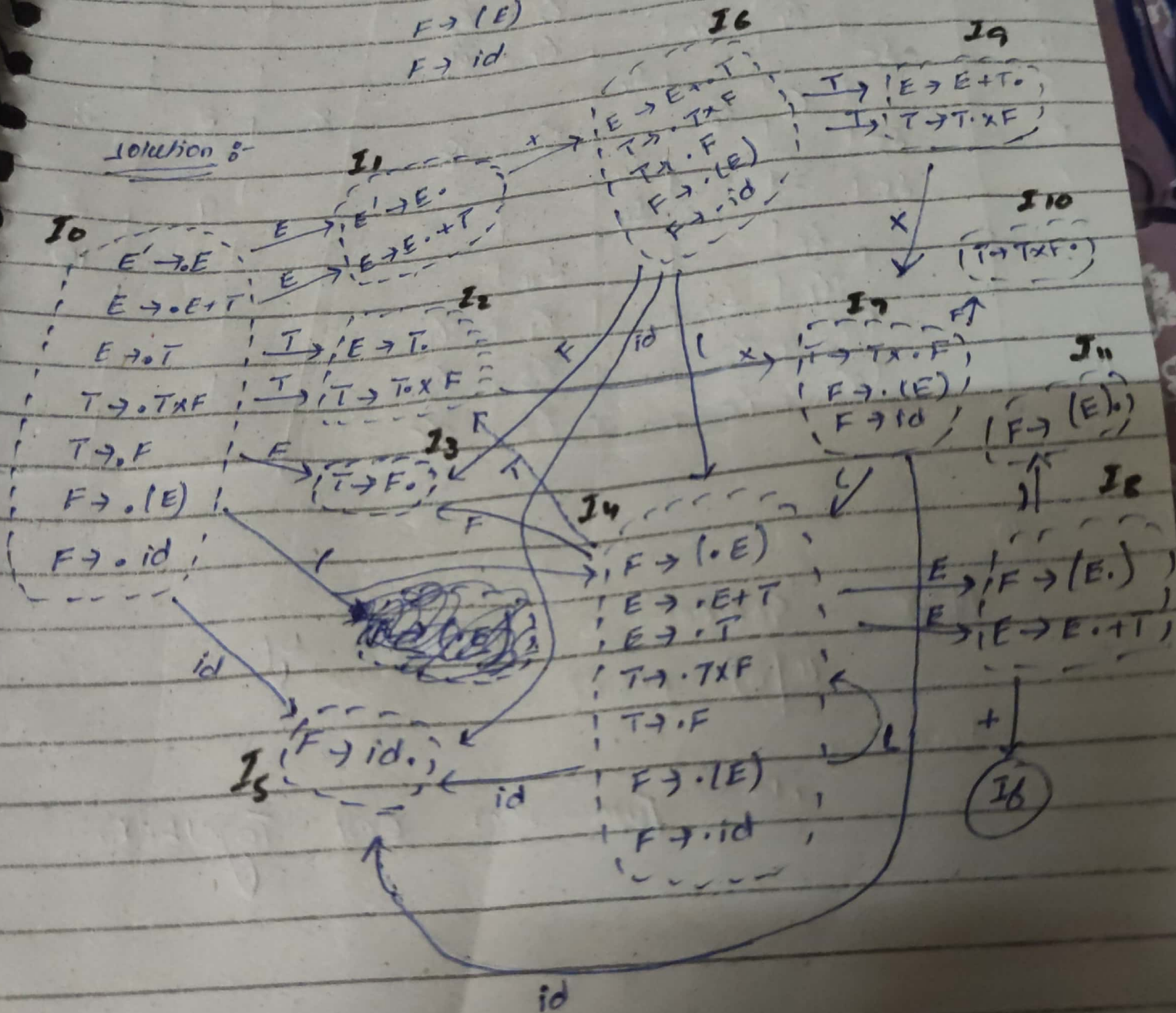
or,

Above Grammar is Accepted by LL(0) parser.
No two item sets exist together.

Grammar - 2

$E \rightarrow E + T$
 $E \rightarrow T$
 $T \rightarrow T \times F$
 $T \rightarrow F$
 $F \rightarrow (E)$
 $F \rightarrow id$

Solution :-



States	Action						Variable		
	id	+	x	/)	\$	E	T	F
0	s_5			s_4			1	2	3
1	s_6					Accept			
2	δ_2	δ_2	δ_2/s_7	δ_2	δ_2	δ_2			
3	δ_4	δ_4	δ_4	δ_4	δ_4	δ_4			
4	s_5			s_4			8	2	3
5	δ_6	δ_6	δ_6	δ_6	δ_6	δ_6			
6	s_5			s_4				9	3
7	s_5			s_4					10
8	s_6				s_{11}				
9	δ_1	δ_1	δ_1/s_7	δ_1	δ_1	δ_1			
10	δ_3	δ_3	δ_3	δ_3	δ_3	δ_3			
11	δ_5	δ_5	δ_5	δ_5	δ_5	δ_5			

so,

Above grammar is ^{not} accepted by
 "0" parser.

Because,

~~two item exist together~~

there exist two item together.