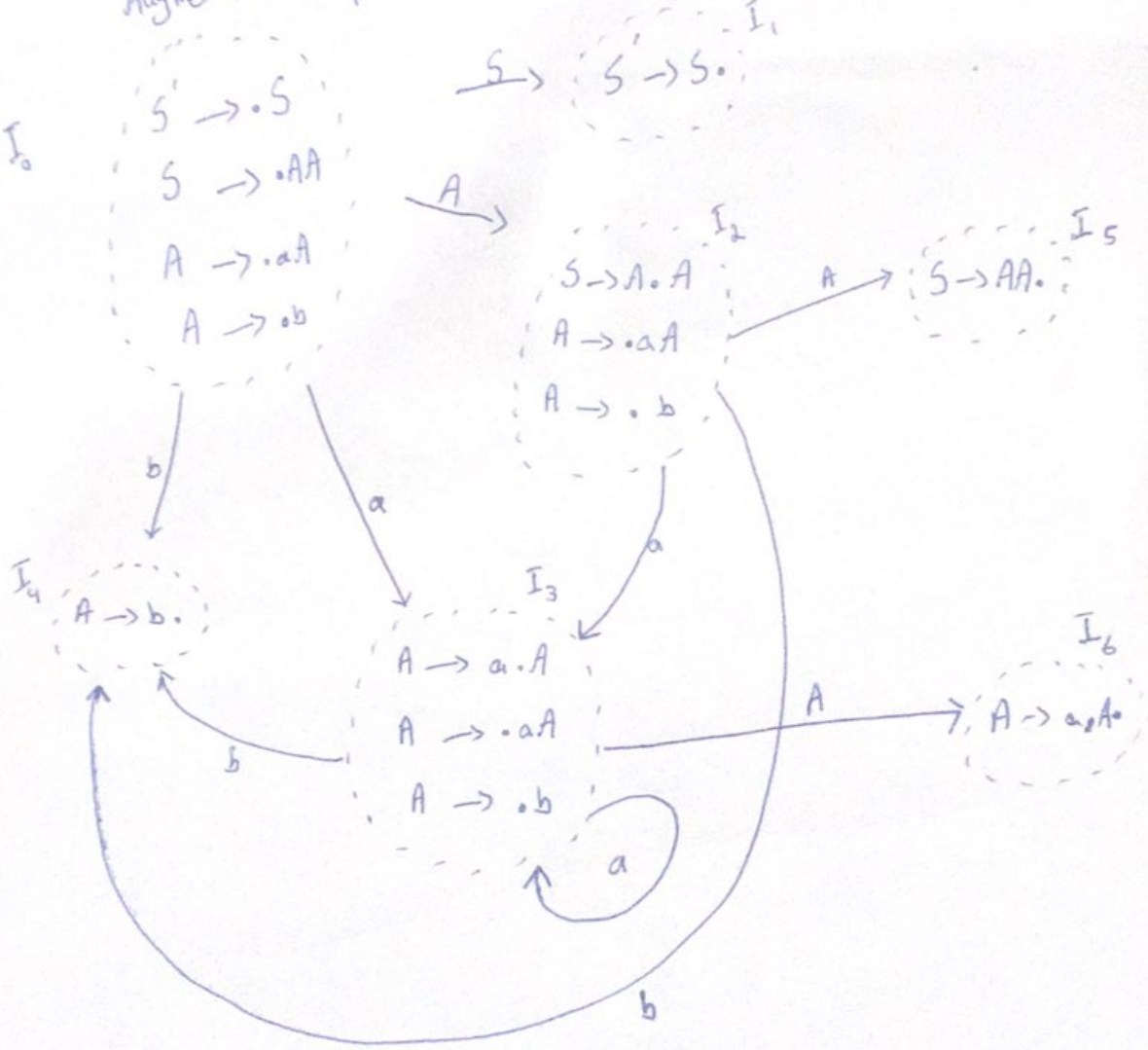
Grammer - 1

$S \rightarrow AA$

$A \rightarrow aA \mid b$

Solution:-

Augmented production and insert "." symbol;



States	Action						Variables	
	a		b			f	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	r_3		r_3			r_3		
I_5	r_1		r_1			r_1, r_2		
I_6	r_2		r_2					

So, Grammer-I is Accepted by LL(0) Parser

Grammer - 2

$E \rightarrow E + T'$

$E \rightarrow T$

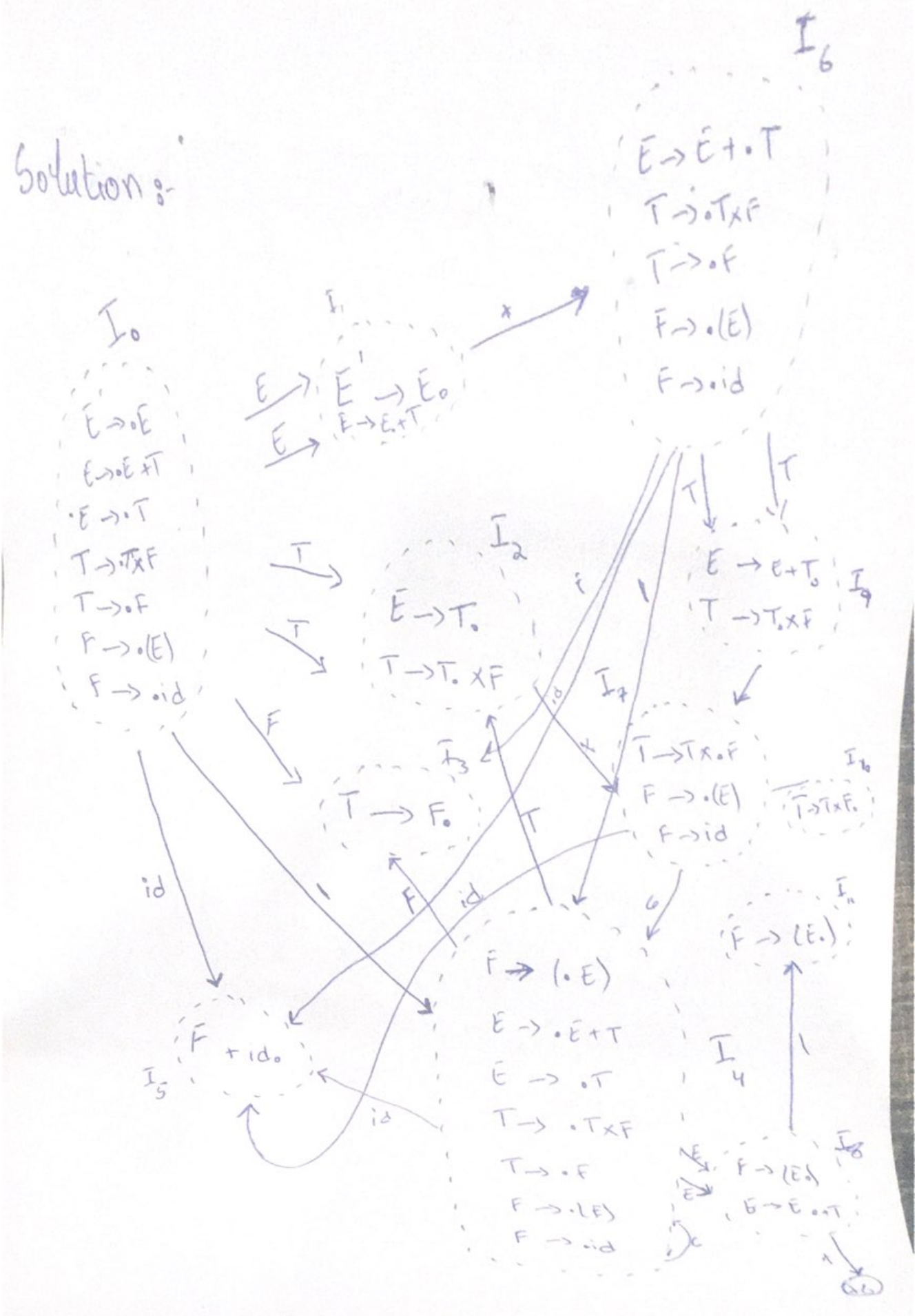
$T \rightarrow T * F$

$T \rightarrow F$

$F \rightarrow (E)$

$F \rightarrow id$

Solution :-


I0
E → .E
E → .E + T
E → .T
T → .T x F
T → .F
F → .(E)
F → .id
I1
E → E .
E → E . + T
I2
T → T .
T → T . x F
I3
F → id .
I4
F → (. E)
E → . E + T
E → . T
T → . T x F
T → . F
F → . (E)
F → . id
I5
F → (E .)
E → E . + T
I6
E → E + . T
T → . T x F
T → . F
F → . (E)
F → . id
I7
T → T x . F
F → . (E)
F → . id
I8
T → T x F .
I9
E → E + T .
T → T . x F
I10
F → (E) .
E
T
F
id
x
+

So, Above Grammer is accepted by (11/0) parser. Because, there exist two item together.

States	Action							Variable		
	id	+	*	(	)	$		E	T	F
0	s_5			s_4				1	2	3
1		s_6				Accept				
2		r_2	s_7		r_2	r_2				
3		r_4	r_4		r_4	r_4				
4	s_5			s_4				8	2	3
5		r_6	r_6		r_6	r_6				
6	s_5			s_4					9	3
7	s_5			s_4						10
8		s_6			s_{11}					
9		r_1	s_7		r_1	r_1				
10		r_3	r_3		r_3	r_3				
11		r_5	r_5		r_5	r_5				