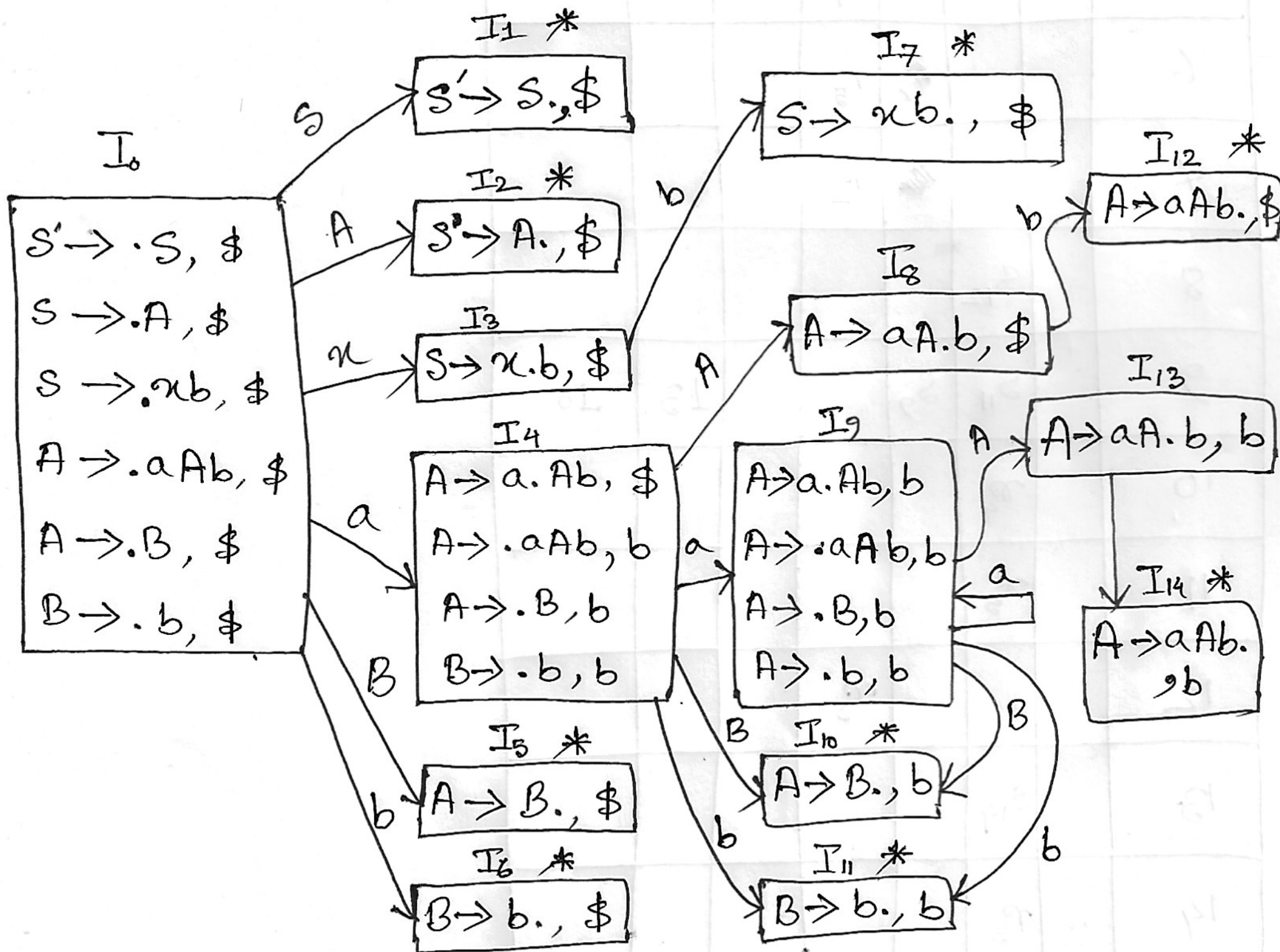


# Augmented Grammar:

0.  $S' \rightarrow S$
1.  $S \rightarrow A$
2.  $S \rightarrow \epsilon b$
3.  $A \rightarrow aAb$
4.  $A \rightarrow B$
5.  $B \rightarrow b$

LR(1) items and the corresponding DFA are given below:



# LR Table:

State	Action				Go To		
	n	b	a	\$	s	A	B
0	S3	S6	S4		1	2	5
1				acc			
2				r1			
3		S7					
4		S11	S9			8	10
5			r4	r4			
6			r5	r5			
7			r2	r2			
8		S12					
9		S11	S9			13	10
10		r4					
11		r5					
12			r3	r3			
13		S14					
14		r3					