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18CS01008

T.V.S.S. Sripad

1. $S' \rightarrow S$

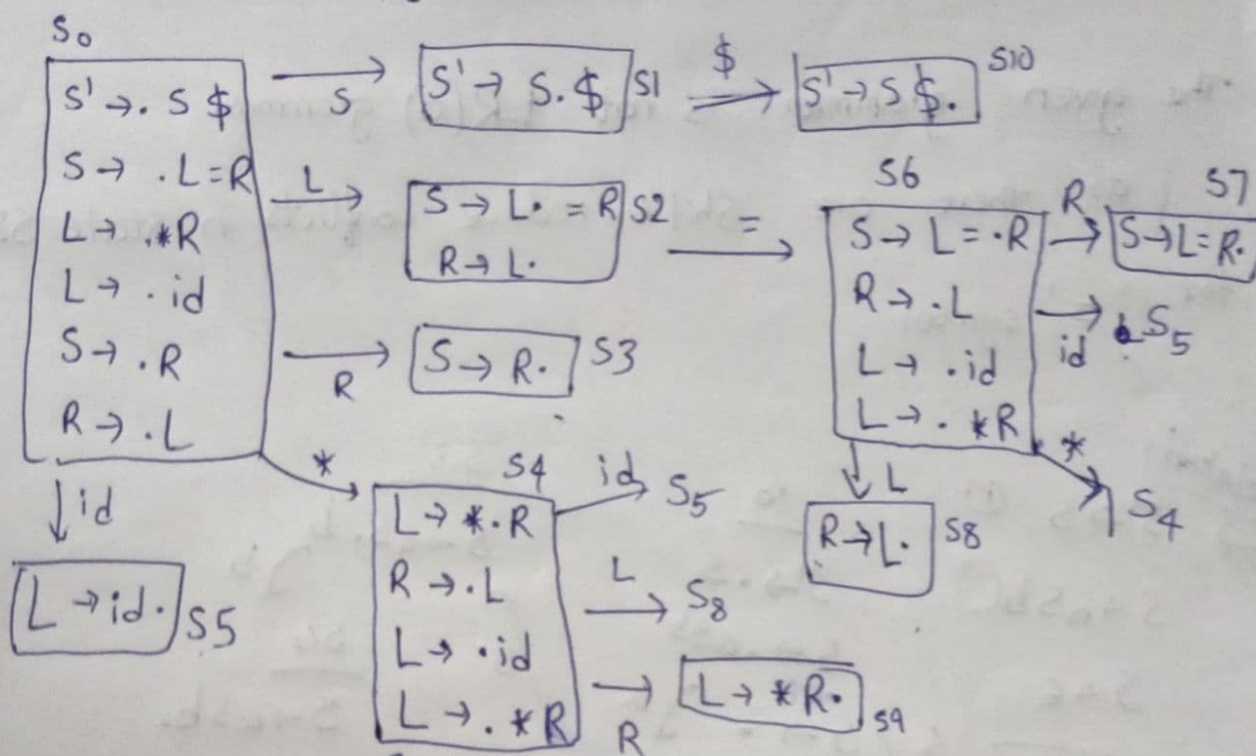
5. $S \rightarrow R$

2. $S \rightarrow L = R$

6. $L \rightarrow id$

3. $L \rightarrow * R$

4. $R \rightarrow L$



Parse Table :-

State	Action				Goto		
	=	*	id	\$	S	L	R
0		S4	S5		1	2	3
1				S10			
2	S6 R4	R4	R4	R4			
3	R5	R5	R5	R5			
4		S4	S5			8	9
5	R6	R6	R6	R6			
6		S4	S5			8	7
7	R2	R2	R2	R2			
8	R4	R4	R4	R4			

state	=	*	id	\$	S	L	R
9	R3	R3	R3	R3			
10	accept	accept	accept	accept			

The given grammar is not LR(0) grammar as there are Shift-reduce conflicts in state 5 for '=' symbol.