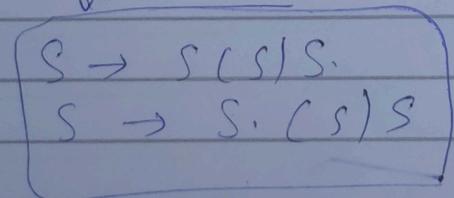
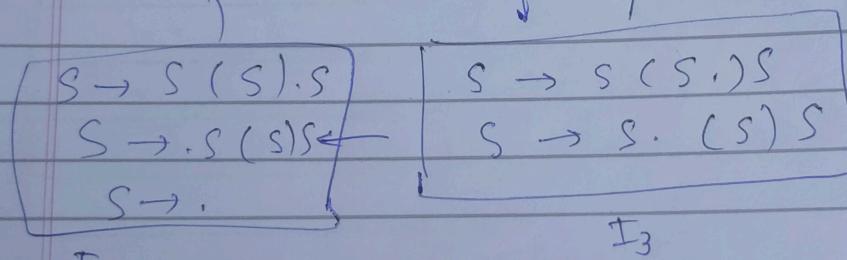
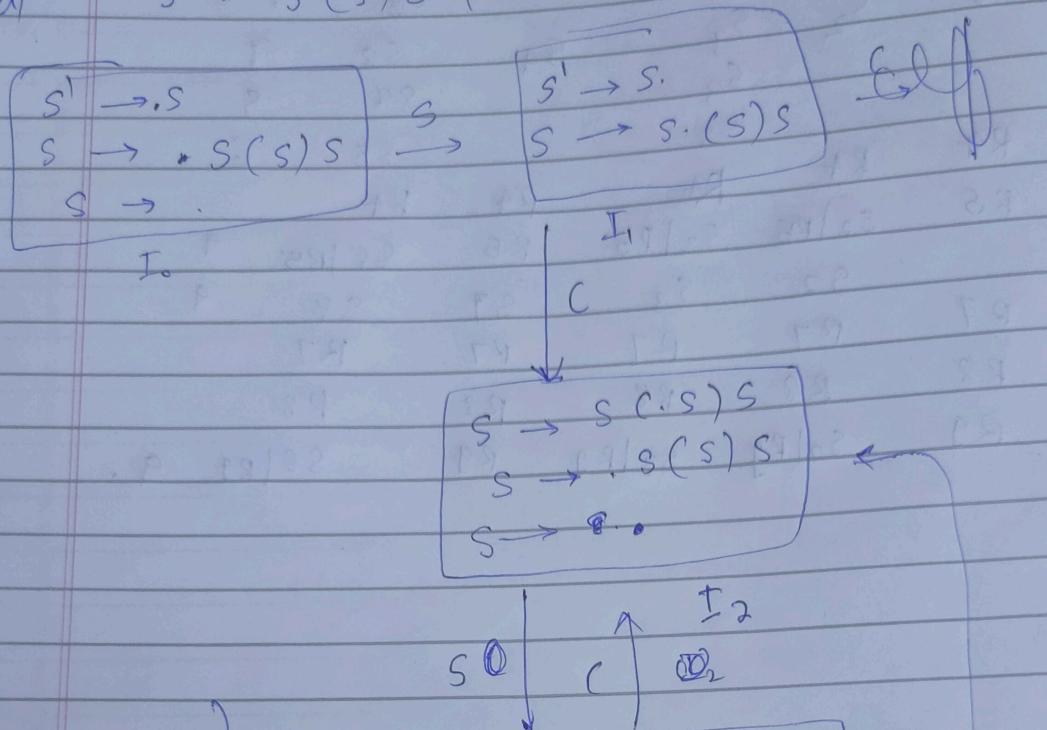
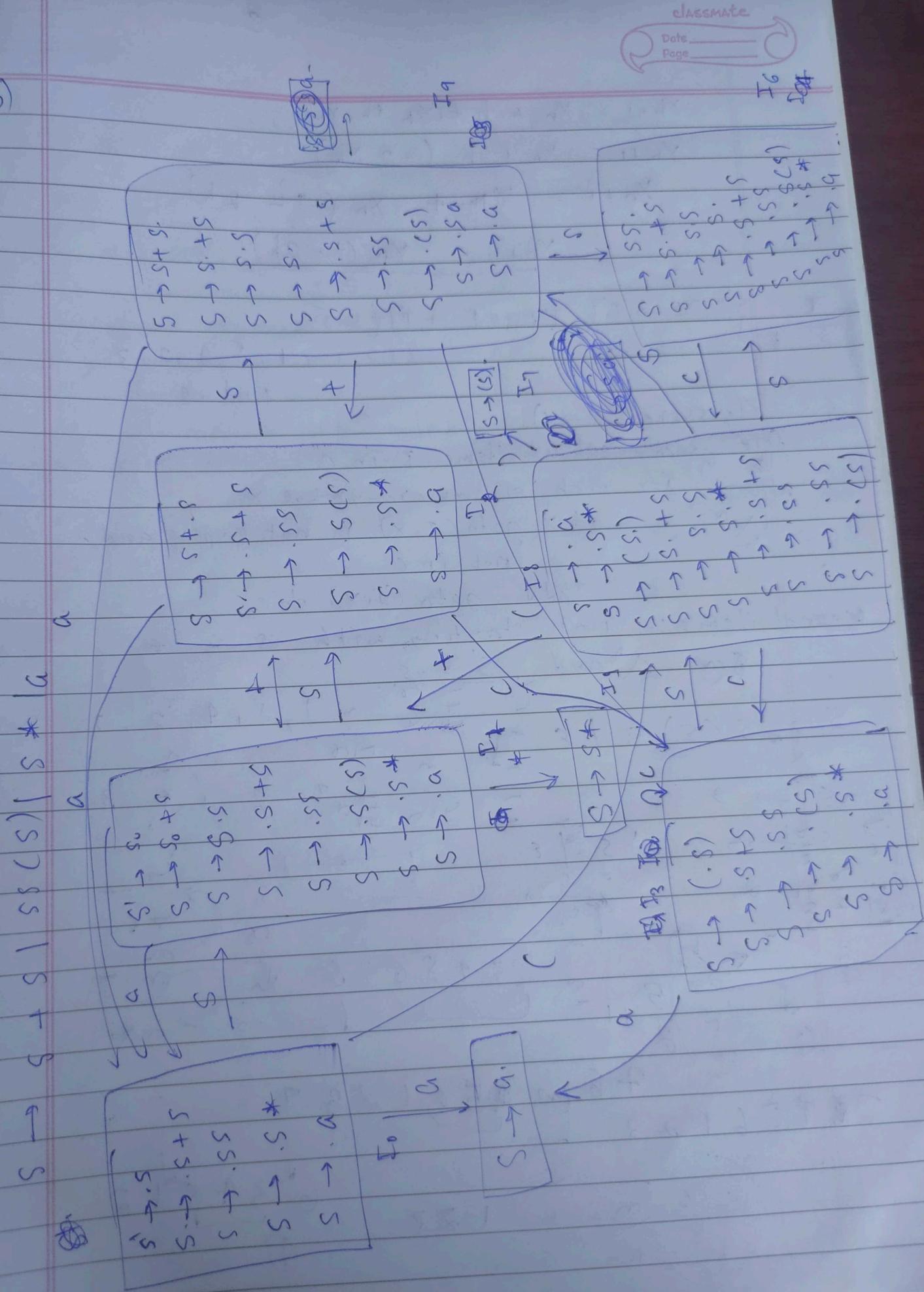


$$d) \quad S \rightarrow S(S)S \mid \epsilon$$



	E_5	$($	$)$	\$	S
0	R_2	R_2	R_2	R_2	1
1	S_2			R_2 ✓	3
2	R_2	R_2	R_2	R_2	3
3	S_2	S_4			
4	R_2	R_2	R_2	R_2	5
5	$R_1 \mid S_2$		R_1	R_1	

b)



	\$	+	()	*	a	s
0			S.	S ₃		S ₈	1
1	✓		S ₂	S ₃	S ₄	S ₈	9
2				S ₃		S ₄	5
3				S ₃		S ₈	6
4	R4	R4	R4	R4	R4	R4	-
5	R5	S ₂ R5	S ₃ R5	R5	S ₈ R5	9	9
6		S ₂	S ₃	S ₇	S ₈		
7	R7	R7	R7	R7	R7	R7	
8	R8	R8	R8	R8	R8	R8	
9	R9	S ₂ R9	S ₃ R9	R9	S ₈ R9	9.	