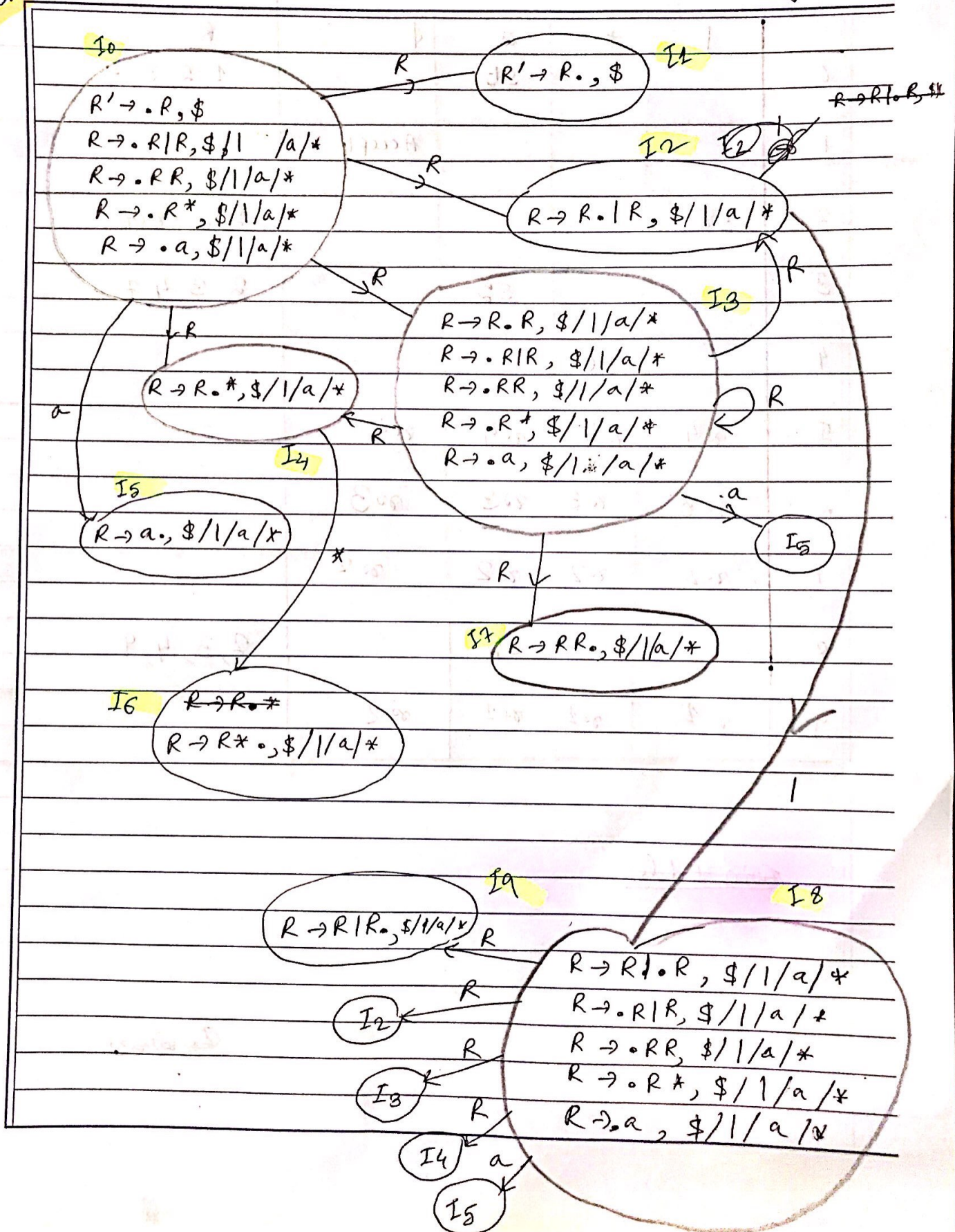


Ans5:





# CLR(1) Parser for a5

		*	a	\$	R
0			s5		1, 2, 3, 4
1			1	Accept	
2	s8				<del>2, 3, 4, 7</del>
3			s5		2, 3, 4, 7
4		s6			
5	r4	r4	r4	r4	
6	r3	r3	r3	r3	
7	r2	r2	r2	r2	
8			s5		2, 3, 4, 9
9	r1	r1	r1	r1	

Twin table

20/11/20

RE:  $a^*a/a\$$   
 $\uparrow \uparrow$

Stack 

0	<del>a</del>	<del>5</del>	R	1	2	<del>3</del>	<del>4</del>	<del>*</del>	<del>5</del>	R
---	--------------	--------------	---	---	---	--------------	--------------	--------------	--------------	---

$(0, a) \Rightarrow \$$

$(5, *) \Rightarrow r4$      $R \rightarrow |a|$   
 $L=1$  pop=2

$(R, 0) \Rightarrow 1, 2, 3, 4$

$(4, *) \Rightarrow \$$

$(6, a) \Rightarrow r3$

$R \rightarrow |R^*|$   $L=2$  pop=4

$(R, 2) \Rightarrow$  blank entry

So, Syntax error

Hence, the given RE  
 cannot be parsed