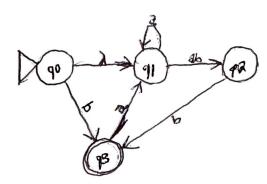
		CO	s:	[No direct COs]				
incomplete work may receive partial, or no credit.								
No calculators	are allowed.	Show your worl	κ. T	The points for each problem are indicated.	Problems with			
Name:	Demet	trius Johnson	2	2-11-2021				

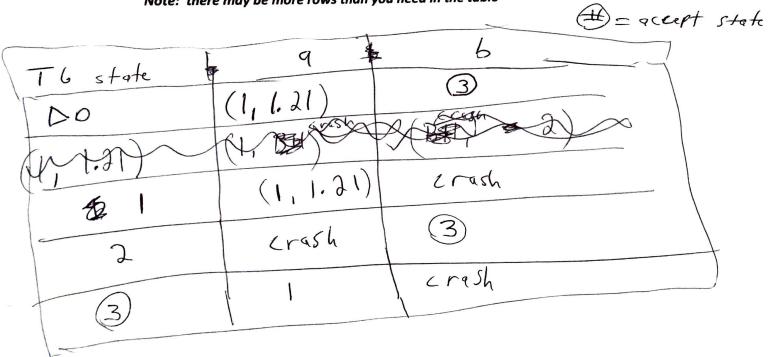
Points: _____/ 25

1. [10 pts] Convert the following transition graph into a finite automaton by filling in the (final) table and **identifying** the start and accept states. (You do not have to draw the transition diagram for the FA – filling in the final table is enough – **note**: this isn't the intermediary table)

FA State	а	þ
04	(1,1.21)	3
(1,1.21)	(1, 1.21)	2
a	BH	3
3	(1,1,21)	BH
BH	BH	BH

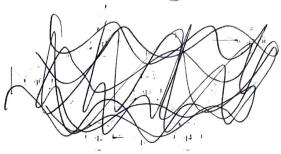


Note: there may be more rows than you need in the table



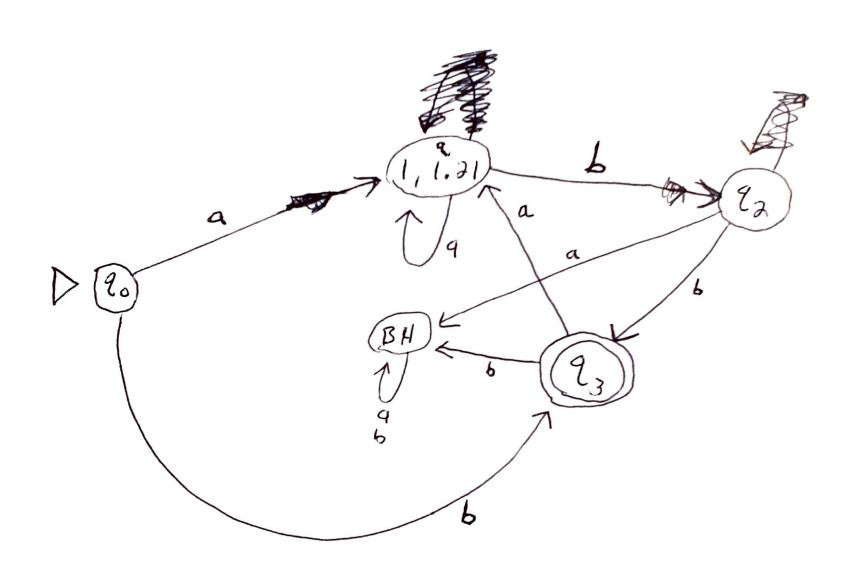
2. 110 ptal Convert the following transition graph into the equivalent regular expression

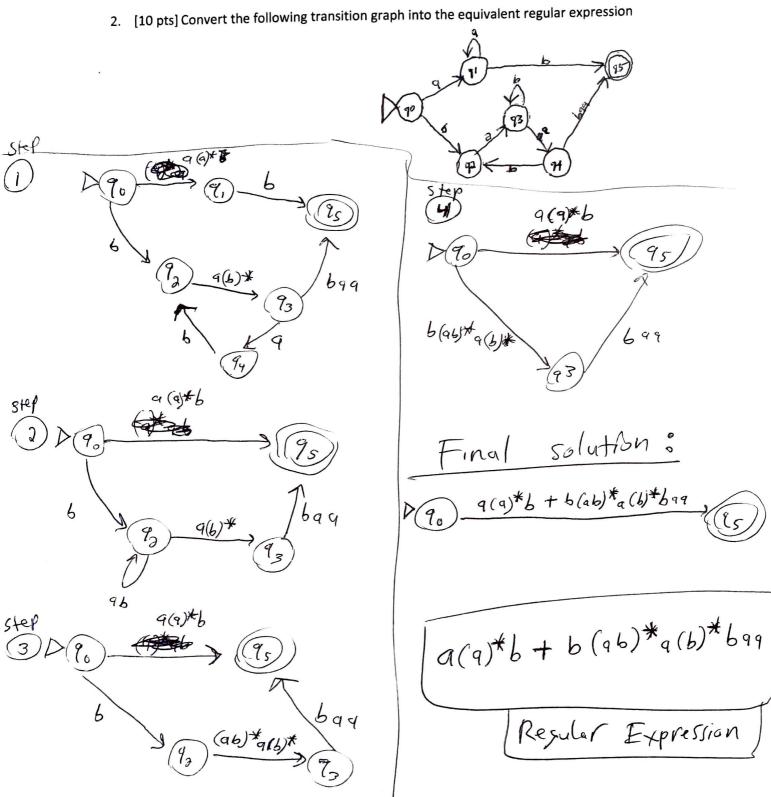
Question 1



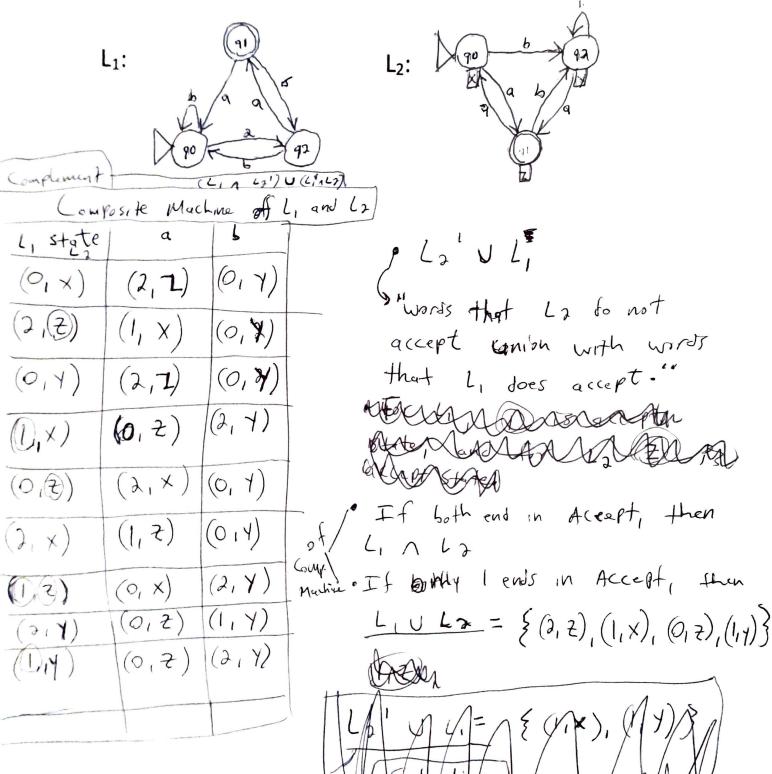
		42 14 1	= A ccep
FA state	9	6	
DO	(1, 1.21)	3	
₹ (1, 1.71)	DESTON I MESON	2	
2	ВН	3	
3	1	BH	
l	(1.241)	BH	

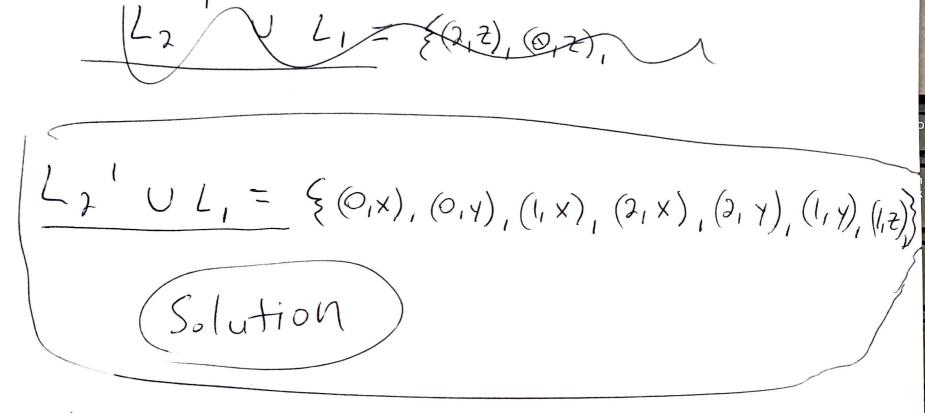
Question I Transition Diagram





3. [5 pts] Name the accept states in the machine $L_2' \cup L_1$ (read as: L_2 prime union L_1)





Ly' U Li means "Anywhere in the Composite machine where L2 does not accept Or where L1 does accept."

(Uninion)