AGBOOLA ABIOLA
17/SCI01/007
COMPUTER SCIENCE
REVISED QUESTION PART 4

ANSWERS

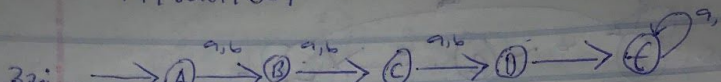
31)

It is a mathematical model of a system with discrete (inputs, outputs, states and set of transitions) from state to state that occurs on input symbols from alphabet ∑

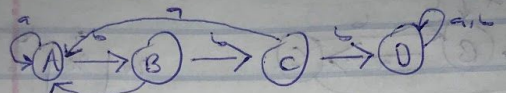
It can be represented in 3 forms; -Graphical (Transition Diagrams of transition table) -Tabula (Transition table) -Mathematical (Transition function of mapping function)

Agboola Abiola Assignment 4
17/sci01/007

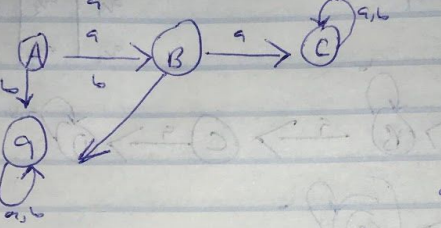
32i



ii

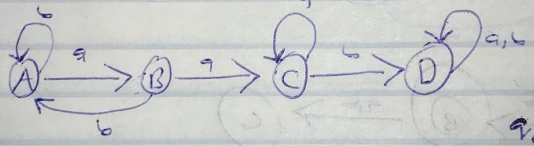


iii



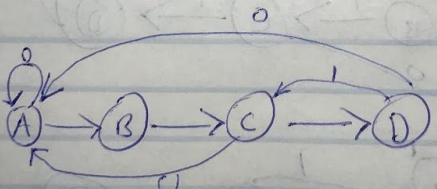
	a	b
q_0	q_1	q_3
q_1	q_2	q_3
q_2	q_3	q_2
q_3	q_4	q_3

33.



	a	b
q_0	q_1	q_0
q_1	q_2	q_0
q_2	q_2	q_3
q_3	q_3	q_3

34i



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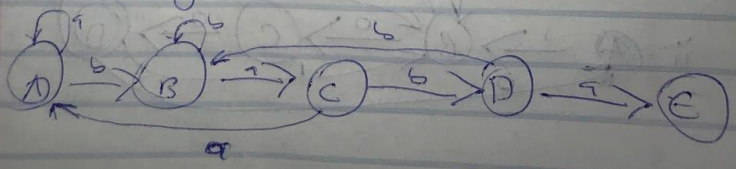
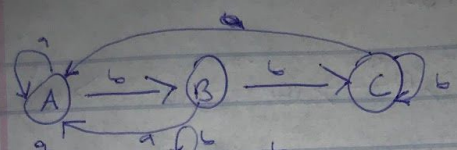


35.



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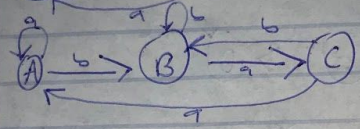
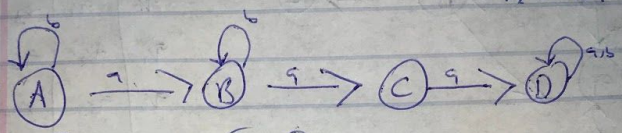
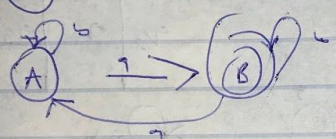


	a	b
q_0	q_0	q_0
q_1	q_2	q_1
q_2	q_0	q_1

37. i



ii



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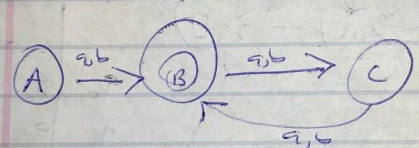
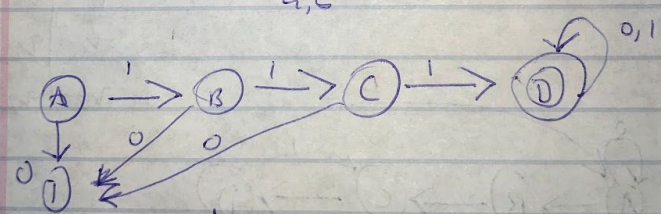


38. i



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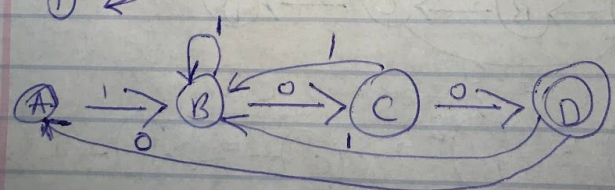

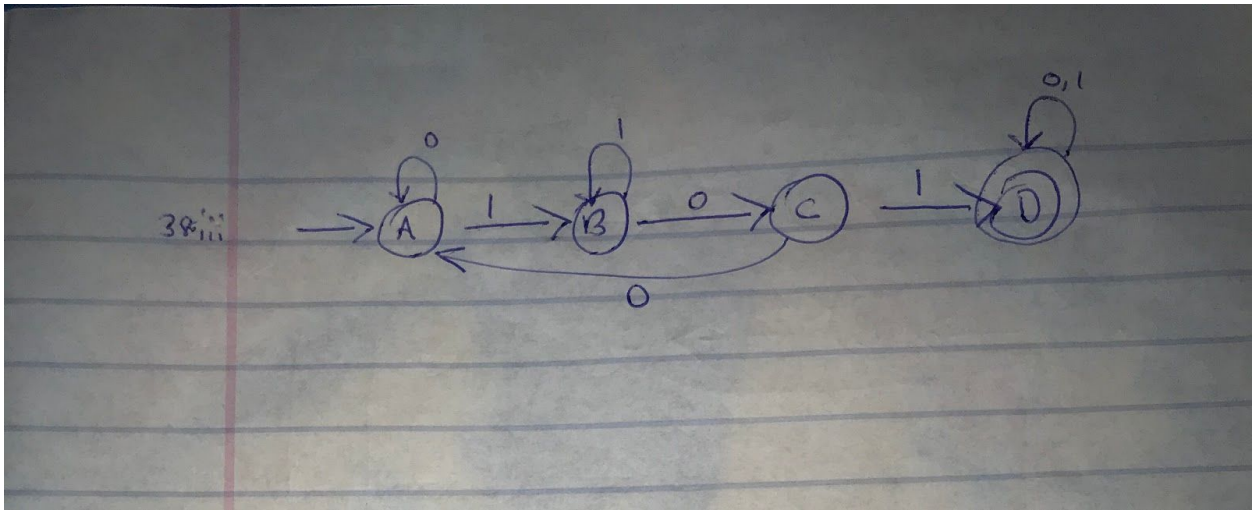
0,1
0
1
A
1
B
0
C
1
D
0