

CSE - 331

Automata and Computability

Assignment No-01

Part B

Submitted by

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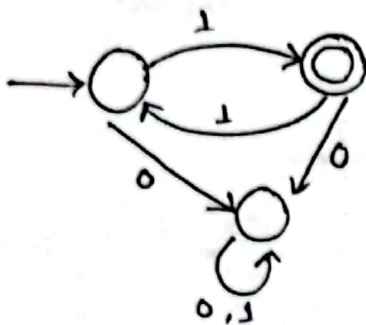
Ans to the Q-1

(a)

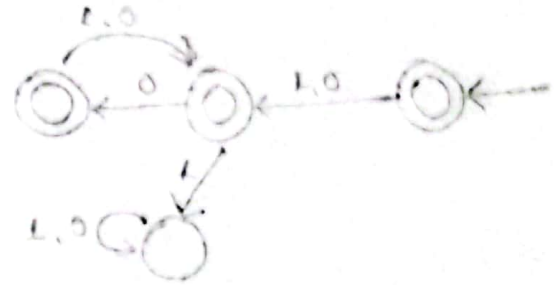
000011

00101

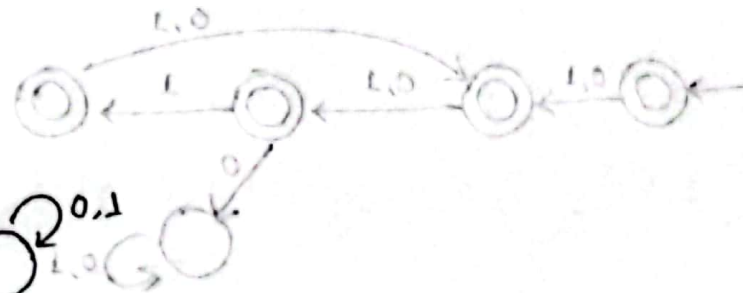
(b)



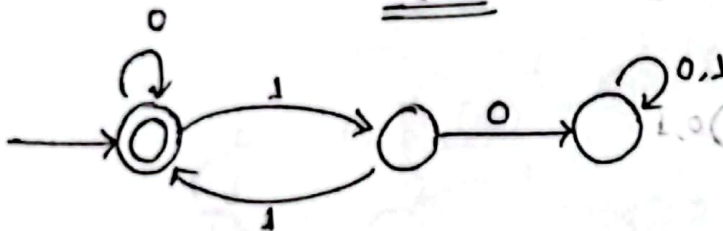
(c)



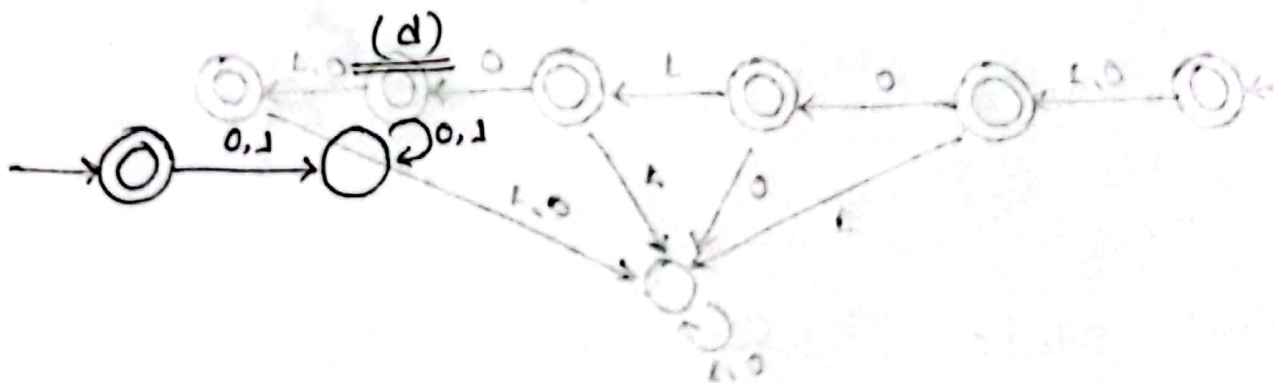
(d)



(e)

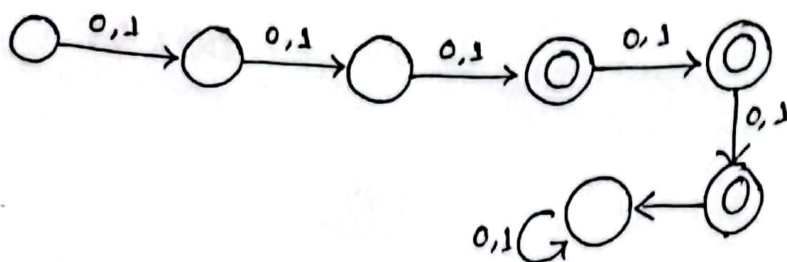


(f)



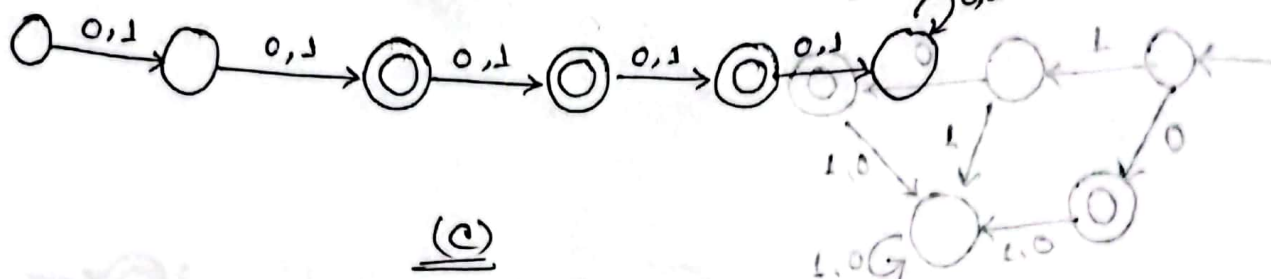
Ans to the Q-22 of unit

(a)

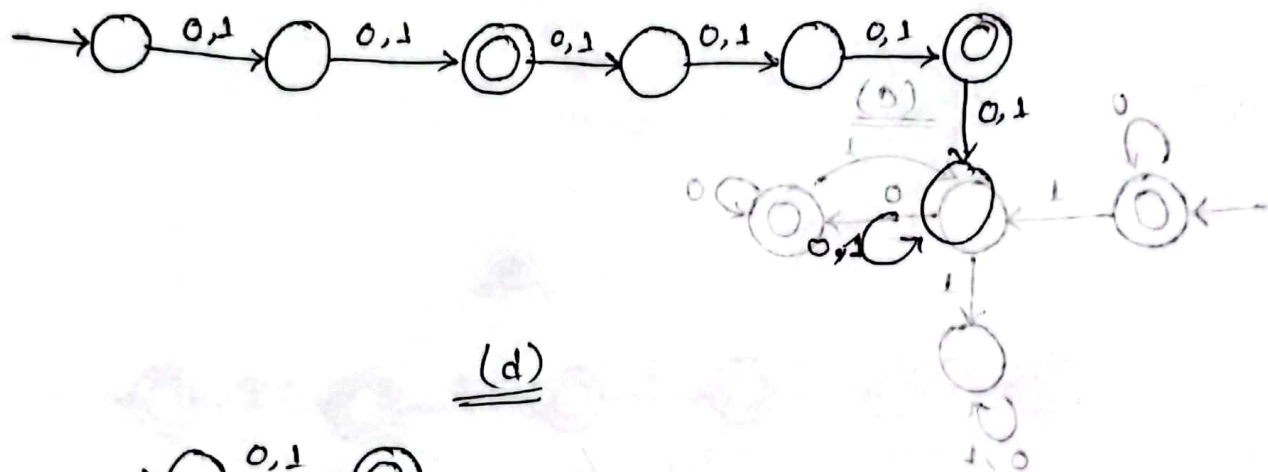


0000  
0101  
0010  
0001  
0100

(b)



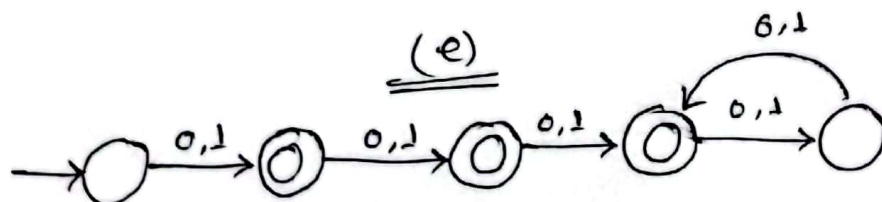
(c)



(d)


$$\begin{aligned} \text{total state} &= 7 \times 2 \\ &= 14 \end{aligned}$$
$$\text{top } (A \Delta B) \cup C$$

(e)



Ans to the  $\beta=3$  part of cma

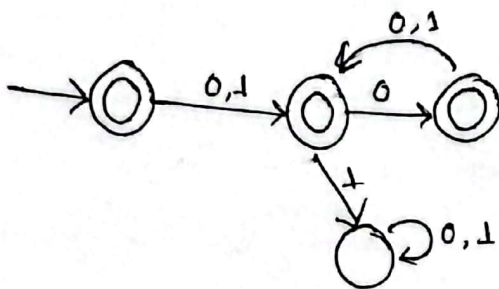
(a)

10100

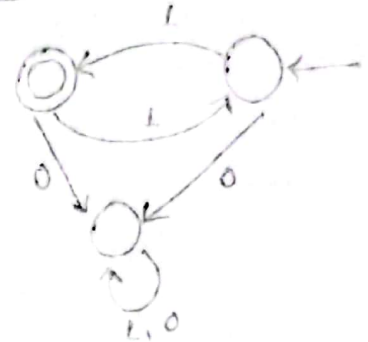
(c)

110000

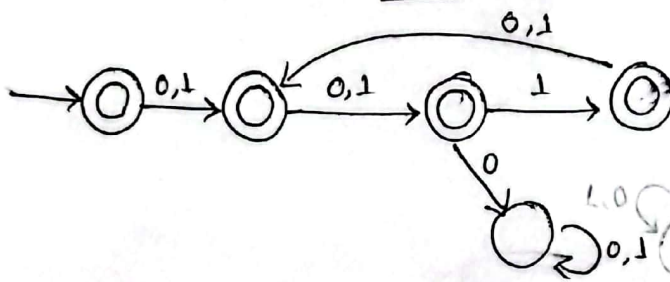
(b)



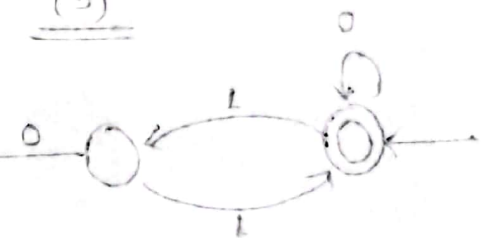
(d)



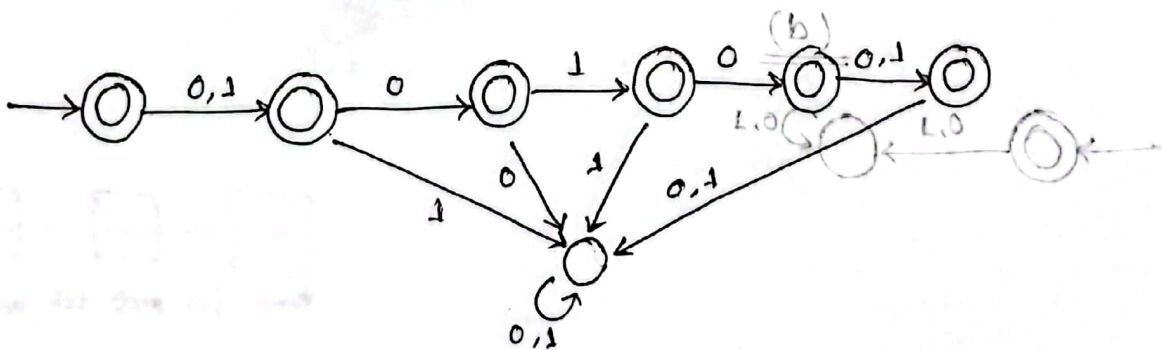
(c)



(e)



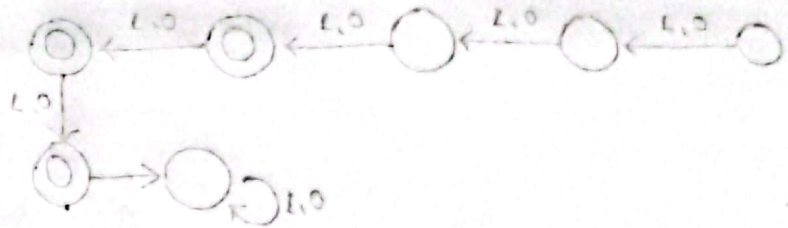
(d)



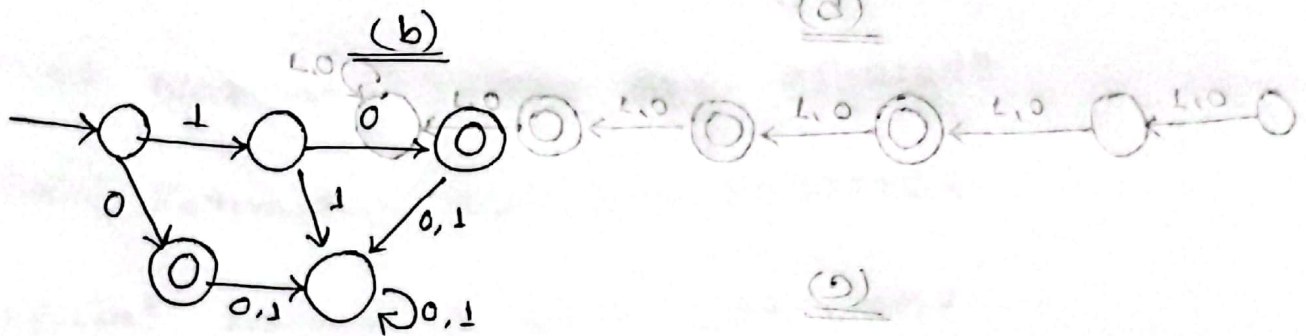
Ans to the Q-4 of exA

(a)

0000  
1010  
0100  
1000  
0010

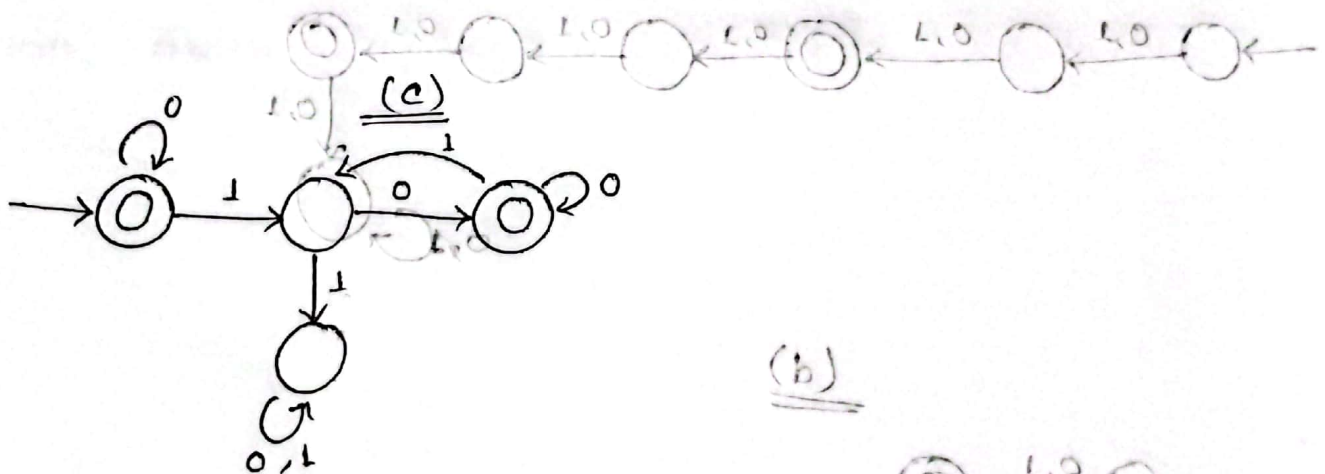


(b)

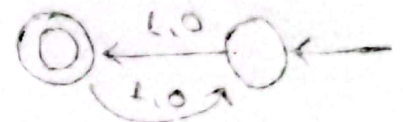


(d)

(c)



(b)



total state =  $2 \times 2$

AL =

for  $U(A \Delta B) \text{ not}$

(c)

