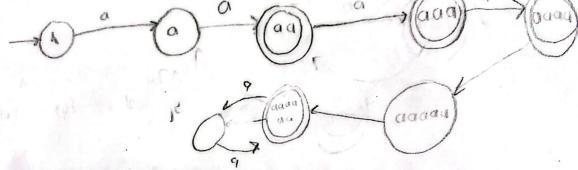
ACEPTADORES FINITOS DETERMINISTAS

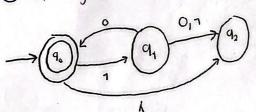
2) Find a dea that accepts the language defined by the into

figure 2.8

rendaals {aaa,(aa), n>0}



(4) In Figure 2.9, find 5*(90,1011) and 3*(91,01)



a) (90,1011) = [10,9,92]

1 In Figure 2.10, find

$$Q_{1}$$
 Q_{1} Q_{2} Q_{1} Q_{2} Q_{1} Q_{2} Q_{1} Q_{2} Q_{1} Q_{2} Q_{3} Q_{4} Q_{1} Q_{2} Q_{3} Q_{4} Q_{5} Q_{5

9,

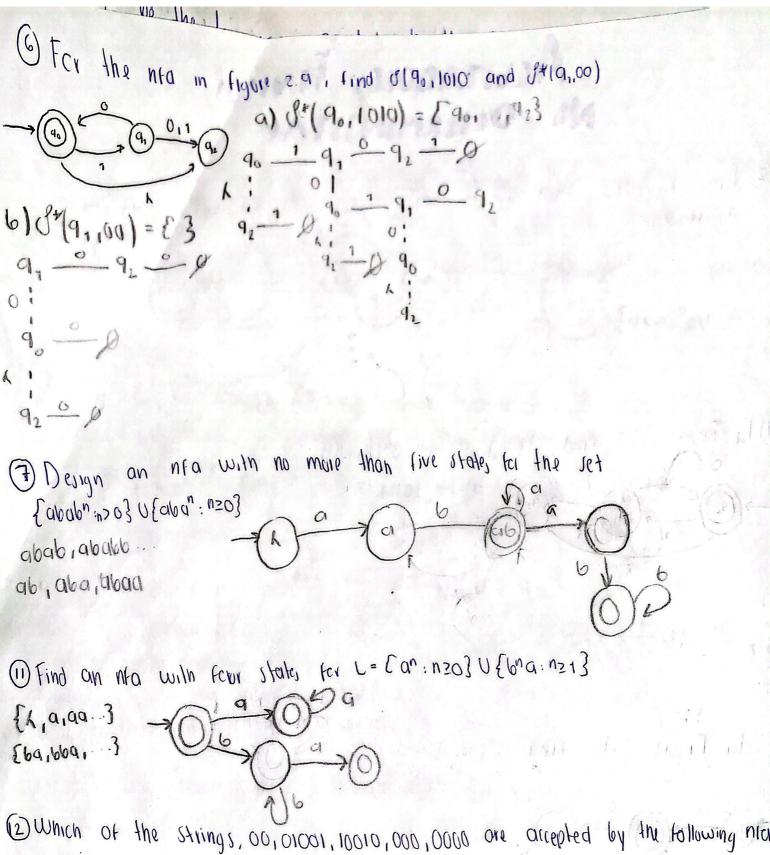
90

$$8*(90,0) \text{ and } 8*(90,0) = {90,91,92}$$

$$90 - 90$$

$$40 - 90$$

$$40$$



(2) Which of the strings, 00,01001,10010,000,0000 ore accepted by the following nia:

C) 10010
$$\times$$
 $q_0 = \frac{1}{q_1} = \frac{q_0}{q_0} = \frac{1}{q_1} = \frac{q_0}{q_0} = 0 \times \frac{1}{q_1} = \frac{q_0}{q_1} = \frac{1}{q_1} = \frac{q_0}{q_0} = 0 \times \frac{1}{q_1} = \frac{1}$

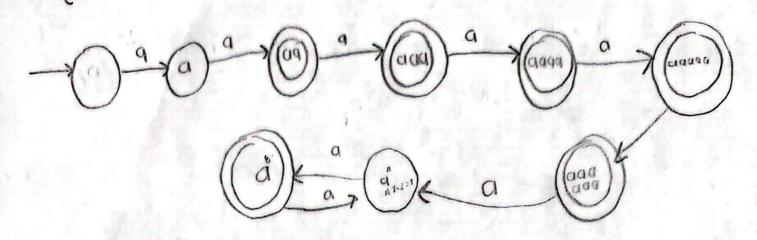
a)
$$\frac{q_2}{q_1} \stackrel{\circ}{\longrightarrow} 0$$

a) $\frac{q_2}{q_1} \stackrel{\circ}{\longrightarrow} 0$
 $\frac{q_2}{q_2} \stackrel{\circ}{\longrightarrow} 0$

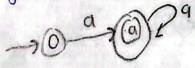
d) 00000
$$\times$$
 $q_0 - q_1 - q_0 - q_1 - q_0$
 $1 - q_0 - q_1 - q_0 - q_1 - q_0$
 $x - q_1 - q_0 - q_0 - q_1 - q_0$
 $x - q_1 - q_0 - q_0 - q_1 - q_0$

11-

(19) Let L'be the language acepted by the near in figure 2.8. Find an new accepting L U{as} L= {an: n>o. n es par o n=3}u[as



(16) Find an nea that accepts {at and is such that it in its transition graph a single edge is removed, the resulting automaton accost &a3



- a An nto m which
 - a) there's no L-hanihan
 - 6) for all q & \alpha and all a & \alpha, s[a,a) contains at must 1 eliment 1] sometimes called an incomplete dearthis is reasonable since the condition make it such that there is any choices or move.

For z= Ea, b3, convit the incomplete dra into as tandord dra

