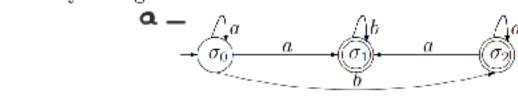
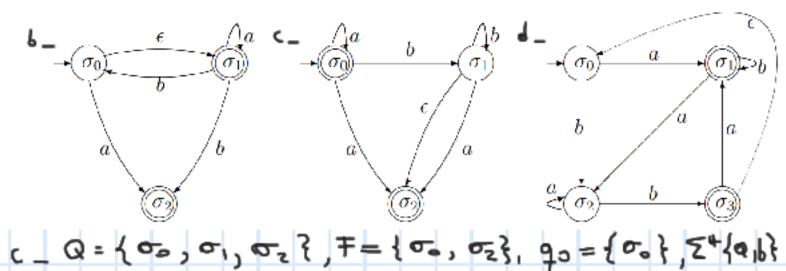


(3) Para cada uno de los siguientes autómatas establezca el conjunto de estados Q, el conjunto de símbolos de input Σ, el estado inicial q<sub>0</sub>, el conjunto de estados finales F y las reglas de transición.





\* 
$$\chi(\sigma_0, \sigma_1) = \sigma_0, \sigma_2$$
  $\chi(\sigma_0, \zeta) = \sigma_1$   
 $\chi(\sigma_1, \sigma_1) = \sigma_2$   $\chi(\sigma_1, \zeta) = \sigma_1$   $\chi(\sigma_1, \zeta) = \sigma_2$   
 $\chi(\sigma_2, \sigma_1) = \chi(\sigma_1, \zeta) = \chi(\sigma_2, \zeta) = \chi(\sigma_2,$ 

$$d_{-}Q = \{\sigma_{0}, \sigma_{1}, \sigma_{2}, \sigma_{3}\}, T = \{\sigma_{1}, \sigma_{3}\}, g_{0} = \{\sigma_{0}\}, Z^{*} = \{a_{1}b_{1}\}$$

\*  $\chi(\sigma_{0}, a_{1}) = \sigma_{1}, \qquad \chi(\sigma_{0}, b_{1}) = \sigma_{2}$ 

\*  $\chi(\sigma_{1}, a_{2}) = \sigma_{1}, \qquad \chi(\sigma_{1}, b_{2}) = \sigma_{2}$ 

$$\begin{array}{ll}
\lambda(\sigma_1, \alpha) = \sigma_2 & \lambda(\sigma_2, \delta) = \sigma_3 \\
\lambda(\sigma_2, \alpha) = \sigma_1 & \lambda(\sigma_2, \delta) = \sigma_2
\end{array}$$

$$\delta(\sigma_3, a) = \sigma$$
,  $\delta(\sigma_3, b) = \sigma$ ,  $\delta(\sigma_3, \epsilon) = \sigma_0$ 

$$\chi(\sigma_0, \alpha) = \sigma_0, \sigma_1, \quad \chi(\sigma_0, b) = \sigma_2$$
  
 $\chi(\sigma_1, \alpha) = \phi, \quad \chi(\sigma_1, b) = \sigma_1$   
 $\chi(\sigma_2, \alpha) = \sigma_2, \sigma_1, \quad \chi(\sigma_1, b) = \phi$ 

$$\lambda (\sigma_0, a) = \sigma_2$$
  $\lambda (\sigma_0, b) = \alpha$   $\lambda (\sigma_0, \epsilon) = \sigma_1$   
 $\lambda (\sigma_1, a) = \sigma_1$   $\lambda (\sigma_1, b) = \sigma_0, \sigma_2$   $\lambda (\sigma_1, \epsilon) = \alpha$   
 $\lambda (\sigma_2, a) = \alpha$   $\lambda (\sigma_2, b) = \alpha$   $\lambda (\sigma_2, \epsilon) = \alpha$ 

