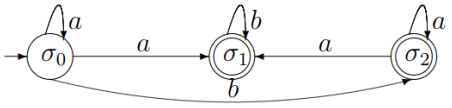
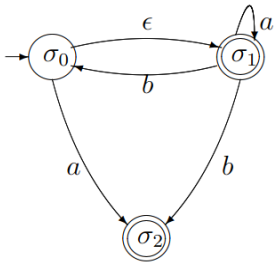
(3) Para cada uno de los siguientes autómatas establezca el conjunto de estados Q, el conjunto de símbolos de input Σ, el estado inicial q_0, el conjunto de estados finales $\mathcal{F}$ y las reglas de transición.



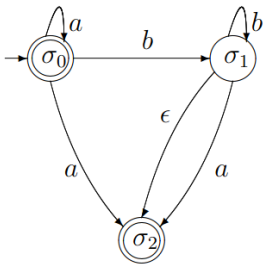
$Q = \{\sigma_0, \sigma_1, \sigma_2\}$
$\Sigma = \{a, b\}$
σ_0 estado inicial
$F = \{\sigma_1, \sigma_2\}$

δ	a	b
σ_0	$\{\sigma_0, \sigma_1\}$	$\{\sigma_2\}$
σ_1	$\emptyset$	$\{\sigma_1\}$
σ_2	$\{\sigma_2, \sigma_1\}$	$\emptyset$



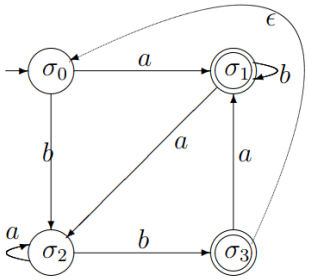
$Q = \{\sigma_0, \sigma_1, \sigma_2\}$
$\Sigma = \{a, b\}$
σ_0 estado inicial
$F = \{\sigma_1, \sigma_2\}$

δ	a	b	ϵ
σ_0	$\{\sigma_2\}$	$\emptyset$	$\{\sigma_1\}$
σ_1	$\{\sigma_1\}$	$\{\sigma_0, \sigma_2\}$	$\emptyset$
σ_2	$\emptyset$	$\emptyset$	$\emptyset$



$Q = \{\sigma_0, \sigma_1, \sigma_2\}$
$\Sigma = \{a, b\}$
σ_0 estado inicial
$F = \{\sigma_0, \sigma_2\}$

δ	a	b	ϵ
σ_0	$\{\sigma_0, \sigma_2\}$	$\{\sigma_1\}$	$\emptyset$
σ_1	$\{\sigma_2\}$	$\{\sigma_1\}$	$\{\sigma_2\}$
σ_2	$\emptyset$	$\emptyset$	$\emptyset$



$Q = \{\sigma_0, \sigma_1, \sigma_2, \sigma_3\}$
$\Sigma = \{a, b\}$
σ_0 estado inicial
$F = \{\sigma_1, \sigma_3\}$

δ	a	b	ϵ
σ_0	$\{\sigma_1\}$	$\{\sigma_2\}$	$\emptyset$
σ_1	$\{\sigma_2\}$	$\{\sigma_1\}$	$\emptyset$
σ_2	$\{\sigma_2\}$	$\{\sigma_3\}$	$\emptyset$
σ_3	$\{\sigma_1\}$	$\emptyset$	$\{\sigma_0\}$