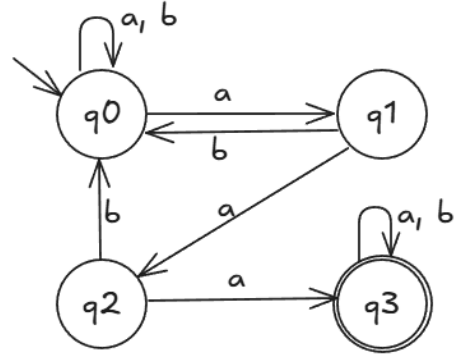


a. $M_0 = \langle \{q_0, q_1, q_2, q_3\}, \{a, b\}, \delta_0, q_0, \{q_3\} \rangle$,

$$\delta_0 =$$

	a	b	λ
q_0	$\{q_0, q_1\}$	$\{q_0\}$	\emptyset
q_1	$\{q_2\}$	$\{q_0\}$	\emptyset
q_2	$\{q_3\}$	$\{q_0\}$	\emptyset
q_3	$\{q_3\}$	$\{q_3\}$	\emptyset



Defino δ' :

$Q' \setminus \Sigma$	a	b
$\{q_0\}$	$\{q_0, q_1\}$	$\{q_0\}$
$\{q_0, q_1\}$	$\{q_0, q_1, q_2\}$	$\{q_0\}$
$\{q_0, q_1, q_2\}$	$\{q_0, q_1, q_2, q_3\}$	$\{q_0\}$
$\{q_0, q_1, q_2, q_3\}$	$\{q_0, q_1, q_2, q_3\}$	$\{q_0, q_3\}$
$\{q_0, q_3\}$	$\{q_0, q_1, q_3\}$	$\{q_0, q_3\}$
$\{q_0, q_1, q_3\}$	$\{q_0, q_1, q_2, q_3\}$	$\{q_0, q_3\}$

$M_0' = \langle Q', \{a, b\}, \delta', \{q_0\}, \{\{q_0, q_1, q_2, q_3\}, \{q_0, q_3\}, \{q_0, q_1, q_3\}\} \rangle$

