fecho-
$$\epsilon$$
 (0) = { 0, 1, 3 } = q0

$$\begin{split} D_{\text{states}} &= \{ \ \ \textbf{q0} \ \} \\ &= \{ \ \ \textbf{q1} \ \} \\ &= \{ \ \ \textbf{q2} \ \} \\ &= \{ \ \ \textbf{q3} \ \} \\ &= \{ \ \ \textbf{q2} \ \} \\ &= \{ \ \ \textbf{q3} \ \} \\ &= \{ \ \ \textbf{q4} \ \} \\ &= \{ \ \ \textbf{q2} \ \} \\ &= \{ \ \ \textbf{q3} \ \} \\ &= \{ \ \ \textbf{q4} \ \} \\ &= \{ \ \ \textbf{q5} \ \} \\ &= \{ \ \ \textbf{q$$

$$D_{\text{states}} = \{ \ \ \textbf{q0}, \ q1, \ q2 \ \} \qquad \qquad q0 = \{ \ 0, \ 1, \ 3 \ \} \qquad \qquad q1 = \{ \ 2 \ \} \qquad \qquad q2 = \{ \ 4 \ \}$$

Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2

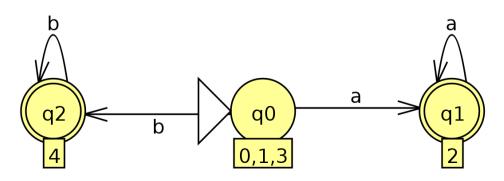
$$\begin{array}{lll} D_{\text{states}} = \{ \ \ q0, \ q1, \ q2 \ \} & q0 = \{ \ 0, \ 1, \ 3 \ \} & q1 = \{ \ 2 \ \} \\ \text{fecho-}\epsilon \ (\text{move}(q1, \ a) = \text{fecho-}\epsilon \ (\{ \ 2 \ \}) = \{ \ 2 \ \} = q1 \\ \text{fecho-}\epsilon \ (\text{move}(q1, \ b) = \text{fecho-}\epsilon \ (\{ \ \}) \end{array}$$

Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2
q1	a	q1
q1	b	-

$$D_{\text{states}} = \{ \begin{array}{ll} \textbf{q0}, \textbf{q1}, \textbf{q2} \\ \end{array} \} \qquad \textbf{q0} = \{ \begin{array}{ll} 0, 1, 3 \\ \end{array} \} \qquad \textbf{q1} = \{ \begin{array}{ll} 2 \\ \end{array} \} \qquad \textbf{q2} = \{ \begin{array}{ll} 4 \\ \end{array} \}$$

$$\text{fecho-}\epsilon \text{ (move(q2, b) = fecho-}\epsilon \text{ (} \{ \begin{array}{ll} 4 \\ \end{array} \}) = \{ \begin{array}{ll} 4 \\ \end{array} \} = \textbf{q2}$$

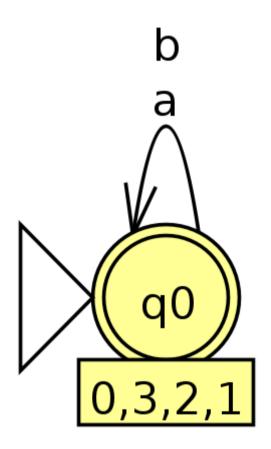
Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2
q1	a	q1
q1	b	-
q2	a	-
q2	b	q2

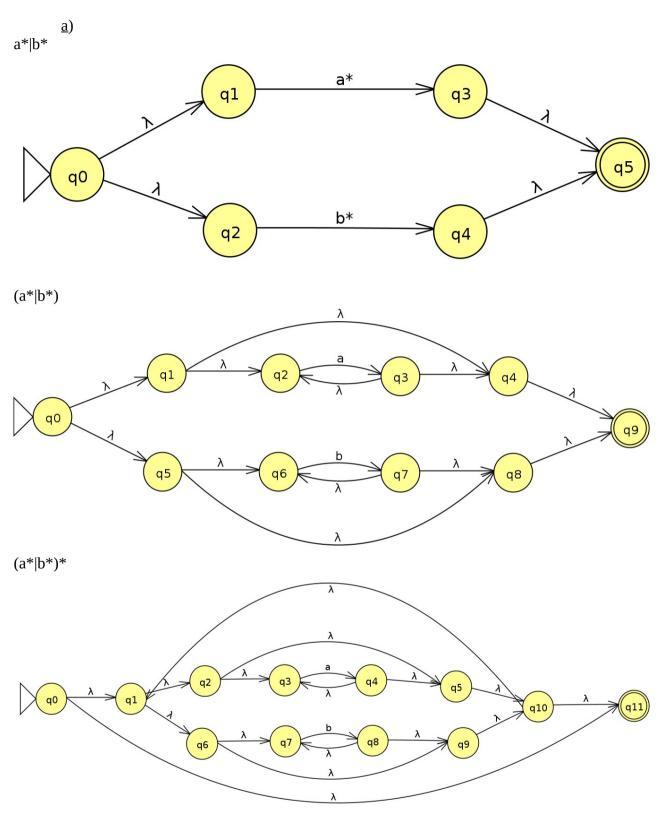


$$\begin{split} \text{fecho-}\varepsilon \left(0\right) &= \{\ 0,\ 1,\ 2,\ 3\ \} = q0 \\ \\ D_{\text{states}} &= \{\ \textbf{q0}\ \} \\ \text{fecho-}\varepsilon \left(\text{move}(q0,\ a) = \text{fecho-}\varepsilon \left(\{\ 0,\ 1\ \}\right) = \{\ 0,\ 1,\ 2,\ 3\ \} = q0 \\ \text{fecho-}\varepsilon \left(\text{move}(q0,\ b) = \text{fecho-}\varepsilon \left(\{\ 2,\ 3\ \}\right) = \{\ 0,\ 1,\ 2,\ 3\ \} = q0 \end{split}$$

$$D_{\text{states}} &= \{\ \textbf{q0}\ \} \\ q0 &= \{\ 0,\ 1,\ 2,\ 3\ \} \end{split}$$

Estado	Símbolo	Próximo
q0	a	q0
q0	b	q0





fecho-
$$\epsilon$$
 (0) = { 0, 1, 2, 3, 5, 6, 7, 9, 10, 11 } = q0

$$\begin{array}{ll} D_{\text{states}} = \{ \begin{array}{l} \textbf{q0} \end{array} \} & q0 = \{ \begin{array}{l} 0, \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \end{array} \} \\ & \text{fecho-}\varepsilon \ (\text{move}(\text{q0, a}) = \text{fecho-}\varepsilon \ (\{ \ 4 \ \}) = \{ \ 1, \, 2, \, 3, \, 4, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \ \} = \text{q1} \\ & \text{fecho-}\varepsilon \ (\text{move}(\text{q0, b}) = \text{fecho-}\varepsilon \ (\{ \ 8 \ \}) = \{ \ 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \ \} = \text{q2} \end{array}$$

$$D_{\text{states}} = \{ \begin{array}{ll} \textbf{q0}, \, q1, \, q2 \, \} & q0 = \{ \, \, 0, \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \, \} & q1 = \{ \, 1, \, 2, \, 3, \, 4, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \, \} & q2 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q1 = \{ \, 1, \, 2, \, 3, \, 4, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \, \} & q2 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q3 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q4 = \{ \, 1, \, 2, \, 3, \, 4, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \, \} & q4 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \, \} & q5 = \{ \, 1$$

Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2

$$D_{\text{states}} = \{ \begin{array}{ll} \textbf{q0}, \textbf{q1}, \textbf{q2} \end{array} \} \qquad \qquad \textbf{q0} = \{ \begin{array}{ll} 0, \, 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 9, \, 10, \, 11 \end{array} \} \qquad \textbf{q1} = \{ \begin{array}{ll} 1, \, 2, \, 3, \, 4, \, 5, \\ 6, \, 7, \, 9, \, 10, \, 11 \end{array} \} \qquad \qquad \textbf{q2} = \{ \begin{array}{ll} 1, \, 2, \, 3, \, 5, \, 6, \, 7, \, 8, \, 9, \, 10, \, 11 \end{array} \}$$

fecho-
$$\epsilon$$
 (move(q1, a) = fecho- ϵ ({ 4 }) = { 1, 2, 3, 4, 5, 6, 7, 9, 10, 11 } = q1 fecho- ϵ (move(q1, b) = fecho- ϵ ({ 8 }) = { 1, 2, 3, 5, 6, 7, 8, 9, 10, 11 } = q2

Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2
q1	a	q1
q1	b	q2

$$D_{\text{states}} = \{ \ \textbf{q0}, \ \textbf{q1}, \ \textbf{q2} \ \} \qquad \qquad q0 = \{ \ 0, \ 1, \ 2, \ 3, \ 5, \ 6, \ 7, \ 9, \ 10, \ 11 \ \} \qquad q1 = \{ \ 1, \ 2, \ 3, \ 4, \ 5, \ 6, \ 7, \ 9, \ 10, \ 11 \ \} \qquad q2 = \{ \ 1, \ 2, \ 3, \ 5, \ 6, \ 7, \ 8, \ 9, \ 10, \ 11 \ \}$$

fecho-
$$\epsilon$$
 (move(q2, a) = fecho- ϵ ({ 4 }) = { 1, 2, 3, 4, 5, 6, 7, 9, 10, 11 } = q1 fecho- ϵ (move(q2, b) = fecho- ϵ ({ 8 }) = { 1, 2, 3, 5, 6, 7, 8, 9, 10, 11 } = q2

Estado	Símbolo	Próximo
q0	a	q1
q0	b	q2
q1	a	q1
q1	b	q2
q2	a	q1
q2	b	q2

