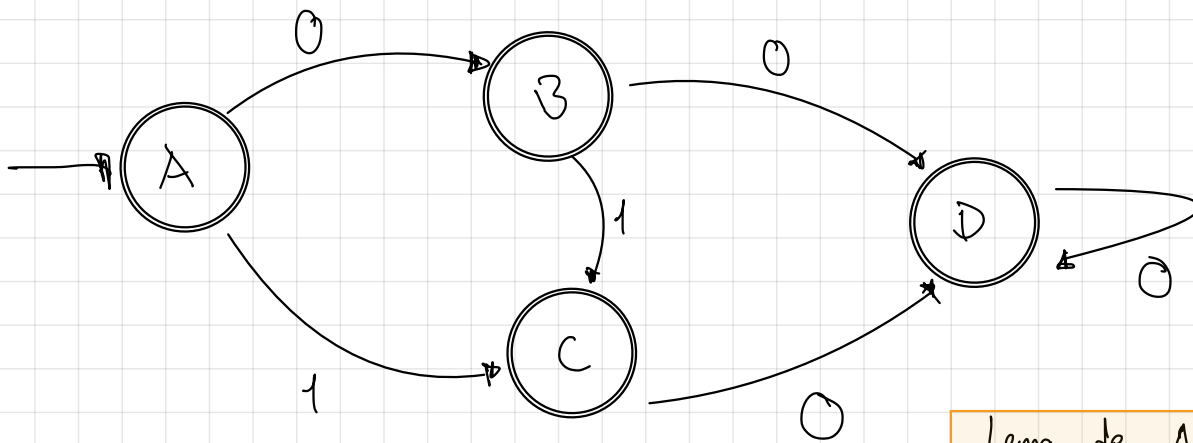


Laboratorio No. 3

	ε	\circ	γ
q_0	$\{q_0, q_1, q_3, q_4, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$		
q_1	—	$\{q_2\}$	—
q_2	$\{q_2, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$	—	—
q_3	$\{q_3, q_4, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$		
q_4	$\{q_4, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$		
q_5	$\{q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$		
q_6	$\{q_6, q_7, q_9, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\}$		
q_7	—	—	$\{q_8\}$
q_8	$\{q_8, q_{11}, q_{14}, q_{15}, q_{17}\}$		
q_9	$\{q_9, q_{10}, q_{11}, q_{14}, q_{15}, q_{17}\}$		
q_{10}	$\{q_{10}, q_{11}, q_{14}, q_{15}, q_{17}\}$		
q_{11}	$\{q_{11}, q_{14}, q_{15}, q_{17}\}$		
q_{12}	$\{q_{12}, q_{13}, q_{14}, q_{15}, q_{17}\}$		
q_{13}	$\{q_{13}, q_{14}, q_{15}, q_{17}\}$		
q_{14}	$\{q_{14}, q_{15}, q_{17}\}$		
q_{15}	—	$\{q_{16}\}$	—
q_{16}	$\{q_{16}, q_{17}, q_{15}\}$		
q_{17}	—	—	—

	0	1
$\{q_0, q_1, q_3, q_4, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{17}\} = A$	$\{q_2, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{16}, q_{17}\} = B$	$\{q_8, q_{11}, q_{14}, q_{15}, q_{17}\} = C$
$\{q_2, q_5, q_6, q_{12}, q_7, q_9, q_{13}, q_{14}, q_{10}, q_{11}, q_{15}, q_{16}, q_{17}\} = B$	$\{q_{16}, q_{17}, q_{15}\} = D$	$\{q_8, q_{11}, q_{14}, q_{15}, q_{17}\} = C$
$\{q_8, q_{11}, q_{14}, q_{15}, q_{17}\} = C$	$\{q_{16}, q_{17}, q_{15}\} = D$	—
$\{q_{16}, q_{17}, q_{15}\} = D$	$\{q_{16}, q_{17}, q_{15}\} = D$	—



$$A = 0B + 1C + \epsilon \quad (1)$$

$$B = 1C + 0D + \epsilon \quad (2)$$

$$C = 0D + \epsilon \quad (3)$$

$$D = 0D + \epsilon \quad (4)$$

$$D = 0^* \epsilon = 0^*$$

Lemma de Arden:

$$r = \epsilon + rp$$

$$r = \epsilon p^*$$

$$C = 00^* + \epsilon$$

$$C = 0^+ + \epsilon$$

$$C = 0^*$$

$$B = 1C + 0D + \epsilon$$

$$B = 10^* + 00^* + \epsilon$$

$$B = 10^* + 0^+ + \epsilon$$

$$B = 10^* + 0^*$$

$$B = (1 + \epsilon) 0^*$$

$$A = 0B + 1C + \epsilon$$

$$A = 0(1 + \epsilon)0^* + 10^* + \epsilon$$

$$A = 010^* + 00^* + 10^* + \epsilon$$

$$A = 010^* + 0^+ + 10^* + \epsilon$$

$$A = 010^* + 0^* + 10^*$$

$$A = (01 + \epsilon + 1) 0^*$$

$$\text{R// } (011\epsilon11) 0^*$$