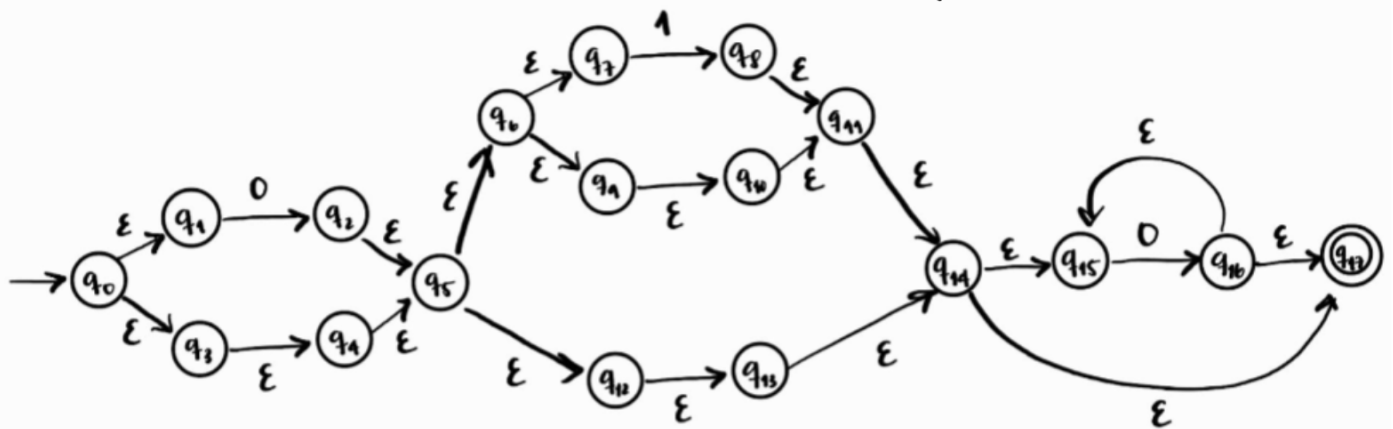


Ejercicio 2



$$q_0 = \epsilon$$

$$q_1 = q_0$$

$$q_2 = 0 q_1$$

$$q_3 = \epsilon q_0$$

$$q_4 = \epsilon q_3$$

$$q_5 = 0 q_4 + \epsilon q_2 \rightarrow 0 + \epsilon$$

$$q_6 = \epsilon q_5$$

$$q_7 = \epsilon q_6$$

$$q_8 = 1 q_7 \rightarrow (0 + \epsilon) 1$$

$$q_9 = \epsilon q_8$$

$$q_{10} = \epsilon q_9$$

$$q_{11} = \epsilon q_8 + \epsilon q_{10} \rightarrow (0 + \epsilon) 1 + (0 + \epsilon)$$

$$q_{12} = \epsilon q_5$$

$$q_{13} = \epsilon q_{12}$$

$$q_{14} = \epsilon q_{13} + \epsilon q_{11} \rightarrow ((0 + \epsilon) 1 + (0 + \epsilon)) + (0 + \epsilon)$$

$$q_{15} = \epsilon q_{14} + \epsilon q_{16}$$

$$q_{16} = 0 q_{15} \rightarrow ((0 + \epsilon) 1 + (0 + \epsilon)) + (0 + \epsilon) 0^* 0$$

$$q_{17} = \epsilon q_{14} + \epsilon q_{16}$$

$$\rightarrow q_{15} = q_{14} + q_{16}$$

$$q_{15} = q_{14} + 0 q_{15} \quad \begin{array}{l} R = Q + RP \\ \rightarrow R = QP^* \end{array}$$

$$\rightarrow q_{15} = (((0+3)1 + (0+\epsilon)) + (0+\epsilon))0^*$$

$$\rightarrow q_{17} = \{ q_{14} + \epsilon q_{16}$$

$$q_{17} = ((0+\epsilon)1 + (0+3) + (0+\epsilon)) + (((0+\epsilon)1 + (0+\epsilon)) + (0+\epsilon))0^*$$

$$q_{17} = 01 + 0 + 0 + (01 + 0 + 0)0^*0$$

$$q_{17} = 01 + 0 + 0 + 010^*0 + 00^*0 + 10^*0$$

$$\rightarrow R_F = 01 + 0 + 0 + 010^*0 + 0^+0 + 0^+0 //$$

