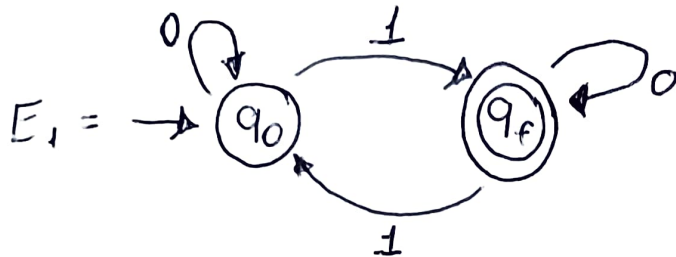


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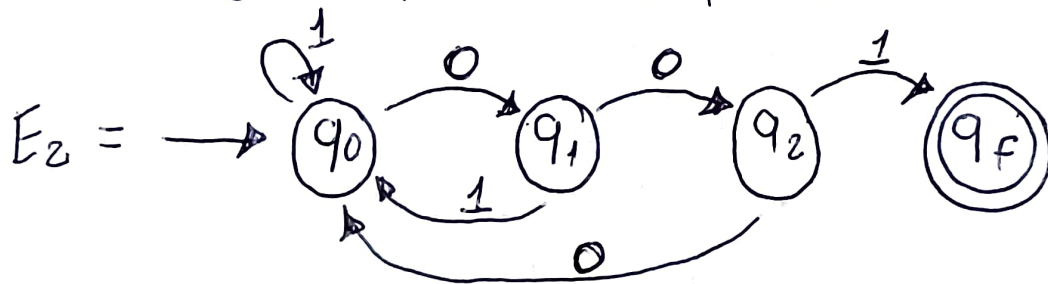
1)  $\Sigma = \{0,1\}$

$L_1$  = Todas as palavras  $w$  com número ímpar de 1's



2)  $\Sigma = \{0,1\}$

$L_2$  = Linguagem que reconhece palavras com subcadeias 001



3)  $\Sigma = \{a,b\}$

$L_1 = \emptyset$

$M_1 = (\{q_0\}, \Sigma, \delta, q_0, \{ \})$

$\delta$	a	b
$q_0$	$q_0$	$q_0$

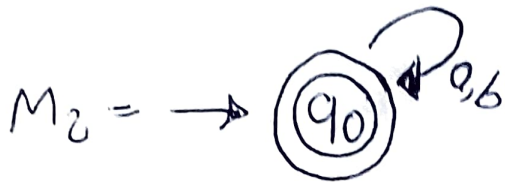


$$4) \cdot \Sigma = \{a, b\}$$

$$\cdot L_2 = \Sigma^*$$

$$\cdot M_2 = (\{q_0\}, \Sigma, \delta_2, q_0, \{q_0\})$$

$\delta_2$	a	b
$q_0$	$q_0$	$q_0$



$$5) \cdot \Sigma = \{a, b\}$$

$$\cdot L_3 = \{w \mid w \text{ possui n\u00famero par de } a \text{ e/ou n\u00famero par de } b\}$$

$$\cdot M_3 = (\{q_0, q_1, q_2, q_3\}, \Sigma, \delta_3, q_0, \{q_0\})$$

