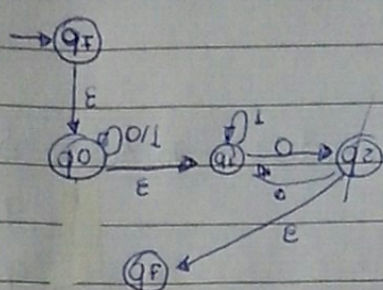


Restos Vezes Não Desenhados

3-



$$R_{I0} = \epsilon | \emptyset \emptyset^* \emptyset = \epsilon$$

$$R_{I1} = \emptyset | \emptyset \emptyset^* 0 = \emptyset$$

$$R_{IF} = \emptyset | \emptyset \emptyset^* \epsilon = \emptyset$$

$$R_{00} = (0|1) | \emptyset \emptyset^* \emptyset = 0|1$$

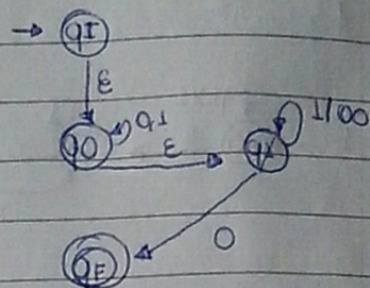
$$R_{01} = \epsilon | \emptyset \emptyset^* 0 = \epsilon$$

$$R_{0F} = \emptyset | \emptyset \emptyset^* \epsilon = \emptyset$$

$$R_{10} = \emptyset | 0 \emptyset^* \emptyset = \emptyset$$

$$R_{11} = 1 | 0 \emptyset^* 0 = 1|00$$

$$R_{1F} = \emptyset | 0 \emptyset^* \epsilon = \emptyset$$

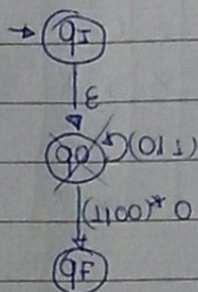


$$R_{I0} = \epsilon | \emptyset (1|00)^* \emptyset = \epsilon$$

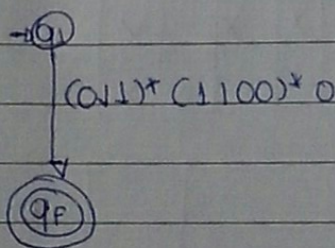
$$R_{IF} = \emptyset | \emptyset (1|00)^* 0 = \emptyset$$

$$R_{00} = (0|1) | \epsilon (1|00)^* \emptyset = (0|1)$$

$$R_{0F} = \emptyset | \epsilon (1|00)^* 0 = (1|00)^* 0$$



$$R_{IF} = \emptyset | \epsilon (0|1)^* (1|00)^* 0 = (0|1)^* (1|00)^* 0$$



4- $L = \{ w \in \{0,1\}^* \mid \text{toda posição ímpar contém 1's e toda pos. par contém 0's} \}$

$\epsilon, 1, 10, 101, 1010, \dots$

$$1 (01)^* (10)^*$$

$$L = \{ w \in \{0,1\}^* \mid w = (01)^m 01(01)^n \mid n \geq 0 \}$$

$$(0101)^* 01$$