

# Linguagens Formais e Autômatos

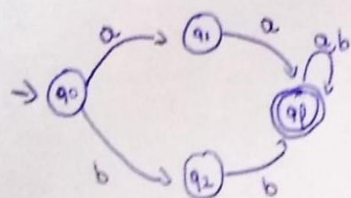
Arthur do Prado Labaki – 11821BCC017

## Atividade Assíncrona 3

AFND do Modulo 2

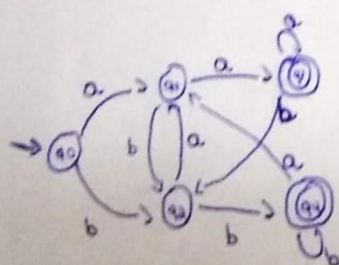
Ex 1 - Elabore um AFD e AFND para:

a)  $L_2 = \{w \in \{a,b\}^* \mid "aa" \text{ ou } "bb" \text{ é prefixo de } w\}$

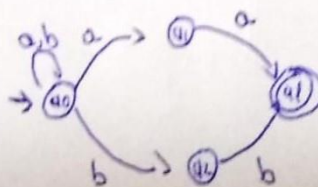


Não há necessidade de um automato diferente, pois os dois (AFD, AFND) podem ser representados por esse.

b)  $L_3 = \{w \in \{a,b\}^* \mid "aa" \text{ ou } "bb" \text{ é sufixo de } w\}$



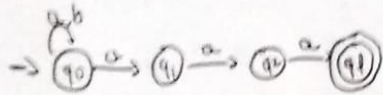
A.F.D.



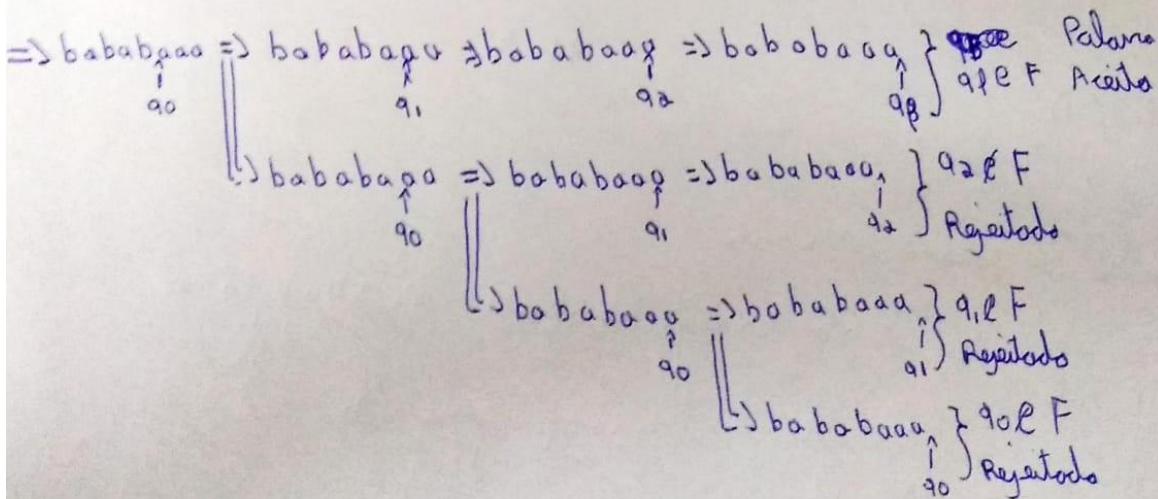
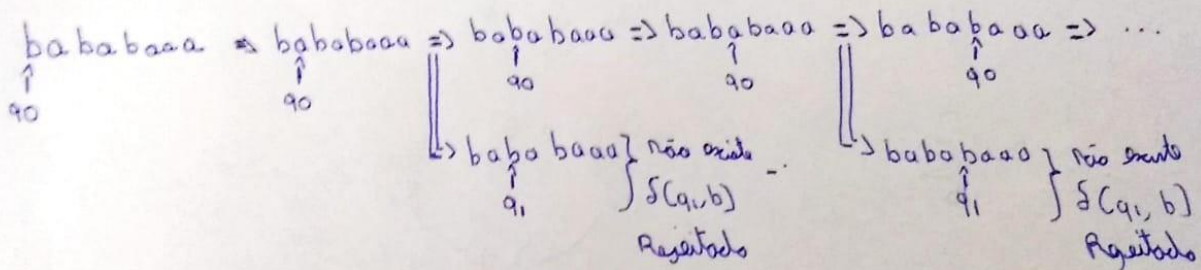
A.F.N.

Ex 5.  $G_6 = (V, T, P, E)$

Ex 2 -  $M_6 = (\{a, b\}, \{q_0, q_1, q_2, q_3, q_4, q_5, q_6, q_7, q_8\})$



a) Faça o processamento da palavra "bababaaa"



b) Processamento da palavra "ababaa"

