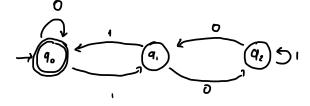
Practica 1

Radilla	Maldonodo	Dylon E.	316237848
Garcia	Villanueva	Israel	317052141

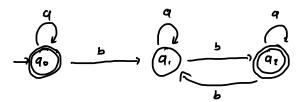
3.1

3.1.1. Construya una AFD que reconozea aquellas cadenas en el alfabeto [0.1] tales que las cadenas binarias representen un núnero decinal miltiplo de 3



Rechazo Aceptación 1 & L(A) 0 & L(n) 01 & L(M) 11 € L(M) 10 & L(M) DOLL ELIM) 1001 EL(M) 111 & L(M) 101 € L(A) IIII EL (M) HOOTI ELLA) 100 E L (M) IIII I ELIM) 101011 & L(m)

3.1.2 Construya una AFD que reconozca aquellas cadenas en el alfabeto [a,b] toles que tergon un rinero por de b consecutivos.



A ceptación

Q E L(M)

bab E L(M)

bb G E(M)

babbab E L(M)

babbab E L(M)

anabanb c bbbb ab ob E L(M)

Rechuzo
b & L(M)
Gb & L(M)
babb & L(M)
bbab & L(M)
bbab & L(M)
ccbububbab & L(M)
bububbacab & L(M)

3 2

Exp Rey => AFN-E

AFN-E 9

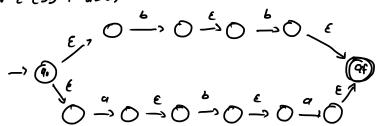
AFN-E L

AFN-E (bb)

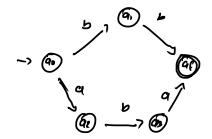
APN-E (aba)

$$\rightarrow \overbrace{(a_0)} \xrightarrow{\mathcal{E}} \overbrace{(a_1)} \xrightarrow{\alpha} \overbrace{(a_2)} \xrightarrow{\mathcal{E}} \overbrace{(a_2)} \xrightarrow{\beta} \overbrace{(a_2)} \xrightarrow{\beta} \overbrace{(a_2)} \xrightarrow{\mathcal{E}} \overbrace{(a_2)} \xrightarrow{$$

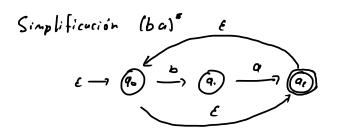
AFN-E (55 + aba)



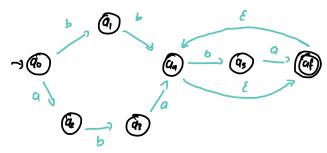
Simplificación (bb + aba)



AFN-E (ba)



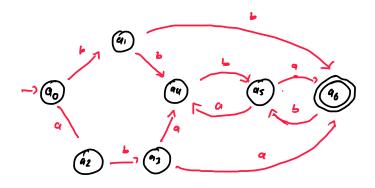
AFN-1 (bb + aba)(b4)*



AFN-E => AFN

E(40)	= {40}	$S(q_0, a) = \{q_2\}$
E(91)	= {9,}	S(90.6) = {a,}
E(92)	= {q ₁ }	S(q1, u) · Ø
E(95)	z {93}	S(9e, 6) : {94, 96}
$E(\alpha_u)$	= {94,96}	S(92, a) = 🥟
E(95)	· [95]	δ(a ² , ρ) : [a ⁴]
E(96)	= {q, ,qu}	$\mathcal{E}(a_3,a): [a_a,a_b]$
		S(9s,b) : 💋
		S(94,a) = 💋
		S(94,5) - E45]
		S[Us, a) [Us, a]
		S(4s,b): 💋
		$\leq (Q_6, a) : \partial$
		S(a _c , b) : [95]
		•

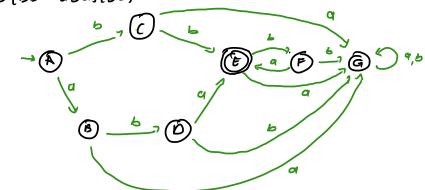
AFN (bb + aba)(ba)*



AFN => APD

	a	Ь	
£903	{9 ₂ }	[، و ع	A
£923	Ø	[43]	В
દ્વ ત્રું	Ø	£ 94,96}	C
<i>[43]</i>	£94.963	Ø	D
F {qu, qb}	Ø	1953	E
<i>[45]</i>	[94,96]	Ø	F
0	0	Ø	G

AFD (66 + a6a) (6a)*



AFD => AFD minimo

