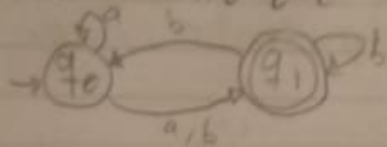


2- Encontrar el AFD mínimo equivalente a cada uno de los AFDs siguientes.

a)



Δ	a	b
$+q_0$	$\{q_0, q_1\}$	$\{q_1\}$
$+q_1$	\emptyset	$\{q_0, q_1\}$

S	a	b
$+q_0$	$[q_0, q_1]$	$[q_1]$
$+q_1$	$[q_0, q_1]$	$[q_0, q_1]$
$+q_1$	$[\emptyset]$	$[q_0, q_1]$
$[0]$	$[\emptyset]$	$[\emptyset]$

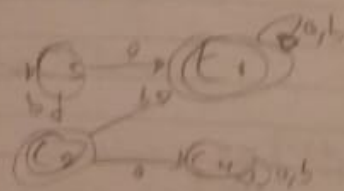
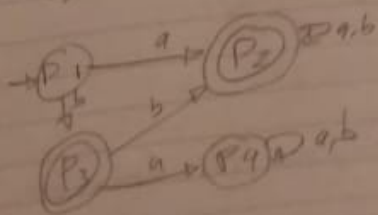
S	a	b
$+P_0$	P_2	P_3
$+P_1$	P_2	P_0
$+P_2$	P_4	P_2
P_3	P_4	P_0

A mínimo de
 $C_1 = \{P_2, P_3\}$, $C_2 = \{P_1, P_4\}$

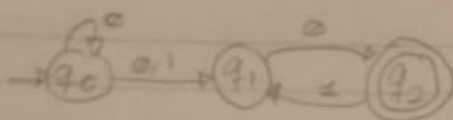
C_1	a	b
$+P_2$	P_2	P_2
$+P_3$	P_4	P_2

C_2	a	b
$+P_1$	P_2	P_3
P_4	P_4	P_4

$\bar{C}_1 = \{P_0\}$, $\bar{C}_2 = \{P_3\}$, $\bar{C}_3 = \{P_1\}$, $\bar{C}_4 = \{P_4\}$



b)



Δ	0	1	δ	0	1
$\rightarrow q_0$	$\{q_0, q_1\}$	$\{q_1\}$	$\{q_0\}$	$\{q_0, q_1\}$	$\{q_1\}$
q_1	$\{q_2\}$	\emptyset	$\{q_0, q_1\}$	$\{q_0, q_1, q_2\}$	$\{q_1\}$
q_2	\emptyset	$\{q_1\}$	$\{q_0, q_1, q_2\}$	$\{q_0, q_1, q_2\}$	$\{q_1\}$
			$\{q_1\}$	$\{q_2\}$	\emptyset
			$\{q_2\}$	\emptyset	$\{q_1\}$
			\emptyset	\emptyset	\emptyset

S	0	1
$\rightarrow P_0$	P_1	P_3
P_1	P_2	P_3
$\times P_2$	P_2	P_3
P_3	P_4	P_5
$\times P_4$	P_5	P_3
P_5	P_5	P_5

C_1

S	0	1
$\rightarrow P_0$	P_2	P_3
$\times P_4$	P_5	P_3

$C_1 = \{P_2, P_4\}, C_2 = \{P_0, P_3, P_5\}$

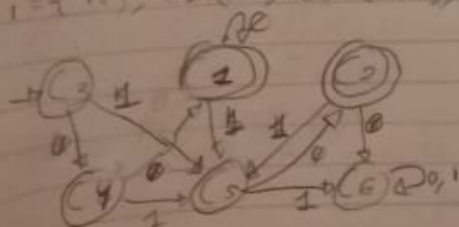
1, 2	1, 4	1, 5	1, 5	C_1^*
2, 2	3, 4	6, 5	6, 5	C_2

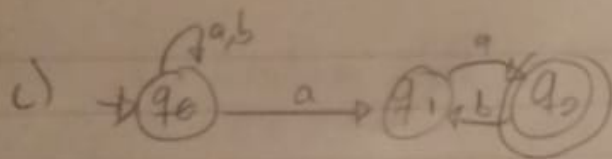
C_2

S	0	1
$\rightarrow P_0$	P_1	P_2
P_1	P_2	P_3
P_3	P_4	P_5
P_5	P_5	P_5

2, 2	4, 4	4, 5	4, 5	C_3^*
1, 2	1, 4	1, 5	1, 5	C_4
1, 2	2, 3	2, 6	2, 6	C_5
2, 2	3, 3	6, 6	6, 6	C_6

$C_1 = \{P_0\}, C_2 = \{P_4\}, C_3 = \{P_0, P_5\}, C_4 = \{P_1, P_3\}$
 $C_5 = \{P_2\}, C_6 = \{P_4\}, C_7 = \{P_0\}, C_8 = \{P_1\}, C_9 = \{P_3\}, C_{10} = \{P_5\}$
 $C_{11} = \{P_2\}, C_{12} = \{P_4\}, C_{13} = \{P_0\}, C_{14} = \{P_1\}, C_{15} = \{P_3\}, C_{16} = \{P_5\}$





Δ	a	b
$\rightarrow q_0$	$\{q_0, q_1\}$	$\{q_0\}$
q_1	$\{q_1\}$	\emptyset
q_2	\emptyset	$\{q_1\}$

S	a	b
$\rightarrow [q_0]$	$[q_0, q_1]$	$[q_0]$
$[q_0, q_1]$	$[q_0, q_1, q_2]$	$[q_0]$
$[q_0, q_1, q_2]$	$[q_0, q_1, q_2]$	$[q_0, q_1]$

S	a	b
$\rightarrow p_0$	p_1	p_0
p_1	p_2	p_0
p_2	p_2	p_1

$$C_1 = \{p_2\}, C_2 = \{p_0, p_1\}$$

C_1	a	b	
$\rightarrow p_2$	p_2	p_1	1, 2

C_2	a	b	
$\rightarrow p_0$	p_1	p_0	2, 2
p_1	p_2	p_0	1, 2

$$C_1 = \{p_2\}, C_2 = \{p_0\}, C_3 = \{p_1\}$$

