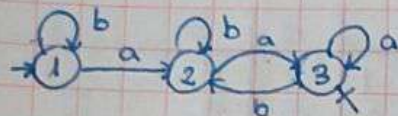


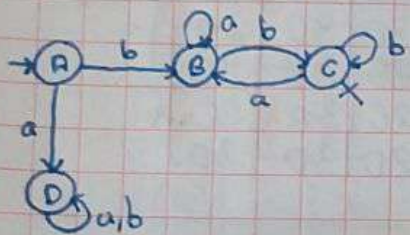
2.9- $L_1 = \{xaya \mid x, y \in \{a, b\}^*\}$



A_1

	a	b
1	2	1
2	3	2
3	3	2

$L_2 = \{bxb \mid x \in \{a, b\}^*\}$

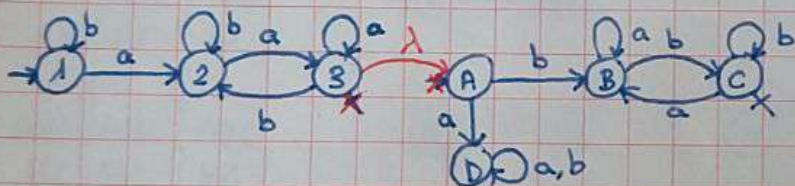


A_2

	a	b
A	0	B
B	B	C
C	B	C
D	D	D

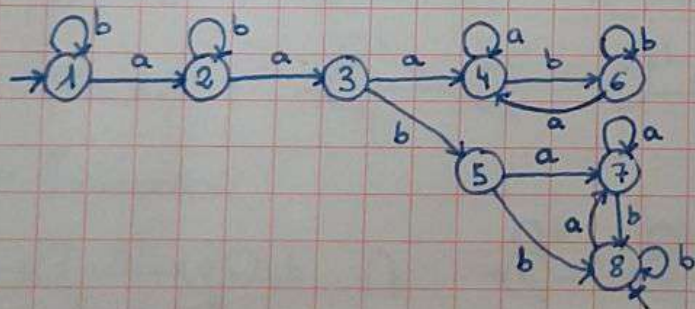
$A_1 \cdot A_2$

Opción 1)



λ -NFA \rightarrow NFA \rightarrow DFA

q	$\Lambda(q)$	a	b
1	1	2	1
2	2	3	2
3	3A	3D	2B
4	3D	3D	2D \rightarrow 3D
5	2B	3B	2C
6	2D	3D	2D
7	3B	3B	2C
8	2C	3B	2C +



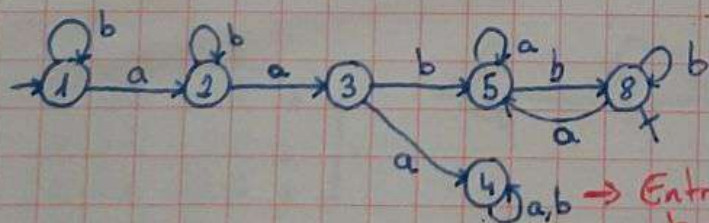
$\{1, 2, 3, 5, 4\} \{8\}$

$\{1, 2, 3, 4\} \{5\} \{8\}$

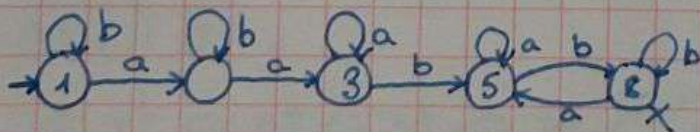
$\{1, 2, 4\} \{3\} \{5\} \{8\}$

$\{1, 4\} \{2\} \{3\} \{5\} \{8\}$

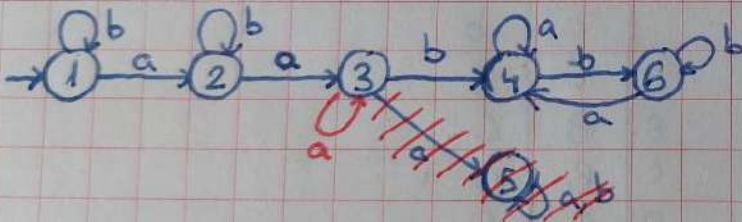
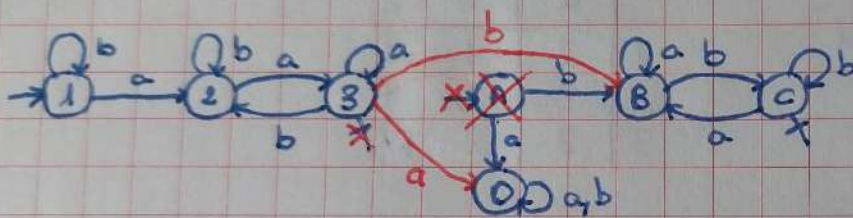
$\{1\} \{2\} \{3\} \{4\} \{5\} \{8\}$



\rightarrow Entra en un bucle



Opción 2



	a	b
1	2	1
2	3	2
3	3D	2B
4	2B	3B
5	3D	3D
6	2C	3B
	2D	3D

$\left. \begin{array}{l} 4 \\ 5 \\ 6 \end{array} \right\} = +$