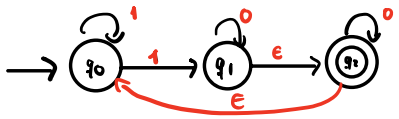
①



① Make Table (la normal)

	0	1
→ q0	–	{q0, q1}
q1	q2	–
* q2	q2	–

② Write enclosure.

ε-enclosure q_0 = {q0}

porque al no tener ε, the enclosure of the state is itself.

ε-enclosure q_1 = {q1, q2, q0}

ε-enclosure q_2 = {q2, q0}

③

	0	1
→ q0	–	{q0, q1, q2}
* {q0, q1, q2}	{q1, q2, q0}	{q0, q1, q2}

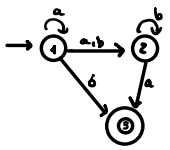
④ Rename

A = q0

B = {q0, q1, q2}

	0	1
→ A	–	B
* B	B	B

②



NFA ✓

① make Table

	a	b
→ 1	{1,2}	{2,3}
2	3	2
* 3	-	-

② Convert to DFA:

	a	b
→ 1	{1,2} ✓	{2,3} ✓
{1,2}	{1,2,3} ✓	{2,3} ✓
* {2,3}	3	2
* {1,2,3}	{1,2,3}	{2,3} ✓
2	3	2
3	-	-

③ Rename

$q_0 = \{1\}$

$q_1 = \{1,2\}$

$q_2 = \{2,3\}$

$q_3 = \{1,2,3\}$

$q_4 = \{2\}$

$q_5 = \{3\}$

④ New Table

	a	b
q_0	q_1	q_2
q_1	q_3	q_2
q_2	q_5	q_4
q_3	q_3	q_2
q_4	q_5	q_4
q_5	-	-