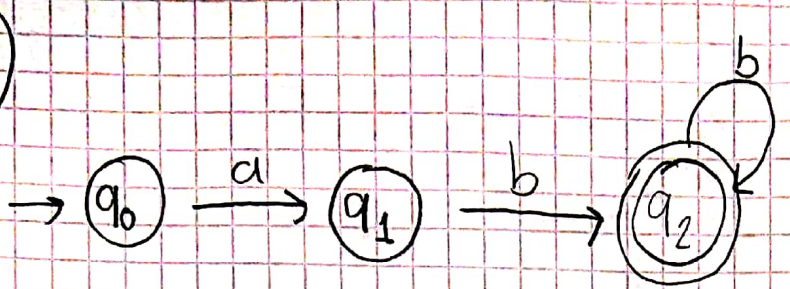


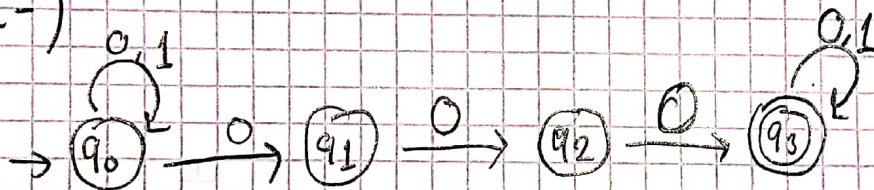
1-)



	a	b
→ q ₀	q ₁	∅
q ₁	∅	q ₂
*q ₂	∅	q ₂

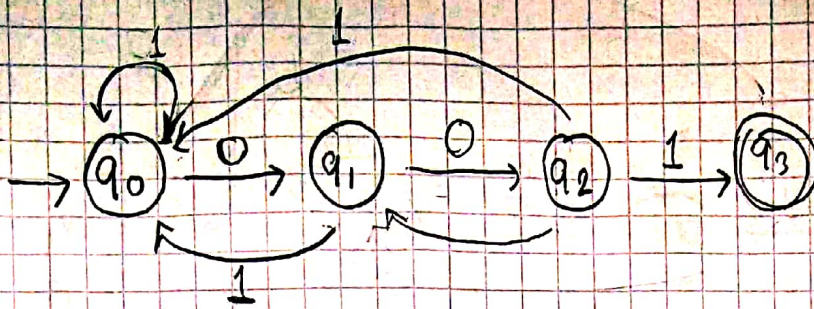
$$\begin{aligned}
 abb &\Rightarrow \delta(q_0, abb) = \delta(\delta(\delta(q_0, a)b)b) = \delta(\delta(\delta(q_0, a)b)b) = \\
 &\delta(\delta(q_1, b)b) = \delta(q_2, b) = q_2
 \end{aligned}$$

2-)



	0	1
→ q ₀	(q ₀ , q ₁)	q ₀
q ₁	q ₂	∅
q ₂	q ₃	∅
*q ₃	q ₃	q ₃
(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 ₃)	q ₀
(q ₀ , q ₁ , q ₂ , q ₃)	(q ₀ , q ₁ , q ₂ , q ₃)	(q ₀ , q ₃)
(q ₀ , q ₃)	(q ₀ , q ₁ , q ₃)	(q ₀ , q ₃)
(q ₀ , q ₁ , q ₃)	(q ₀ , q ₁ , q ₂ , q ₃)	(q ₀ , q ₃)

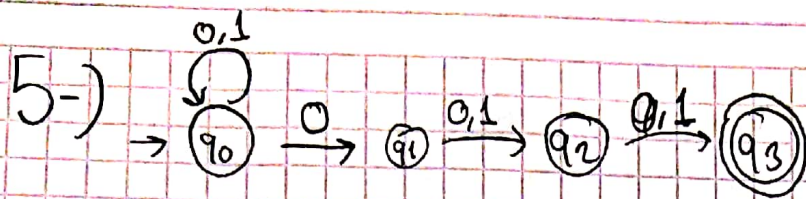
3-)



	0	1
→ q ₀	q ₁	q ₀
q ₁	q ₂	q ₀
q ₂	q ₁	(q ₀ , q ₃)
*q ₃	∅	∅
(q ₀ , q ₃)	q ₁	q ₀



	wanting letters	other letters
→ q ₀	q ₁	∅
q ₁	q ₂	∅
q ₂	q ₃	∅
q ₃	q ₄	∅
q ₄	q ₅	∅
q ₅	∅	∅



	0	1
$\rightarrow q_0$	(q_0, q_1)	q_0
q_1	q_2	q_2
q_2	q_3	q_3
$*q_3$	\emptyset	\emptyset
(q_0, q_1)	$(q_0, q_1, q_2)^\vee$	$(q_0, q_2)^\vee$
$(q_0, q_1, q_2)^\vee$	$(q_0, q_1, q_2, q_3)^\vee$	$(q_0, q_2, q_3)^\vee$
$^*(q_0, q_1, q_2, q_3)^\vee$	$(q_0, q_1, q_2, q_3)^\vee$	$(q_0, q_2, q_3)^\vee$
(q_0, q_2)	$(q_0, q_1, q_3)^\vee$	(q_0, q_3)
$^*(q_0, q_2, q_3)^\vee$	$(q_0, q_1, q_3)^\vee$	(q_0, q_3)
$^*(q_0, q_1, q_3)^\vee$	$(q_0, q_1, q_2)^\vee$	$(q_0, q_2)^\vee$
$^*(q_0, q_3)^\vee$	(q_0, q_1)	q_0

6-)

	0	1
$\rightarrow q_0$	q_0, q_1	q_0
q_1	q_2	\emptyset
$*q_2$	\emptyset	\emptyset
(q_0, q_1)	(q_0, q_1)	(q_0, q_1)
$*(q_0, q_2)$	q_0	(q_0, q_1)

	0	1	
$\rightarrow A$	D	A	Acc ✓
B	C	\emptyset	X
A C	\emptyset	\emptyset	X
D	E	D	Acc ✓
$*E$	A	D	Acc ✓

