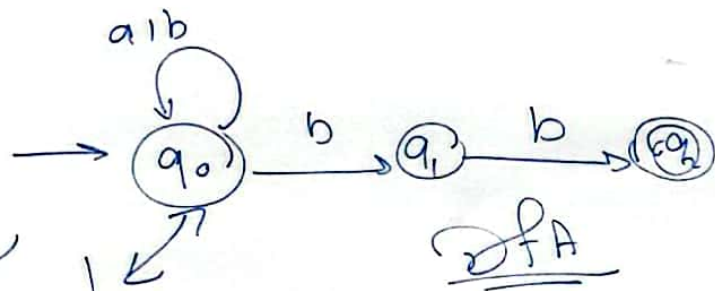


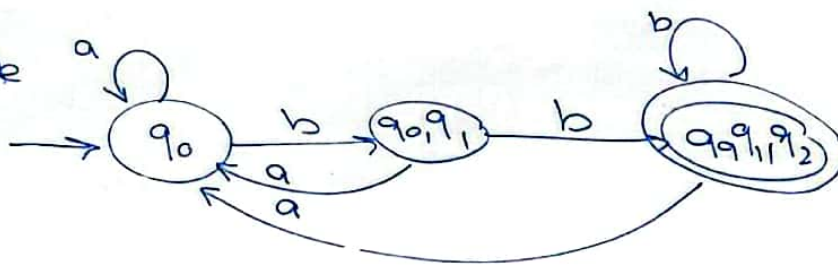
Converting NFA to DFA.

(Q5)

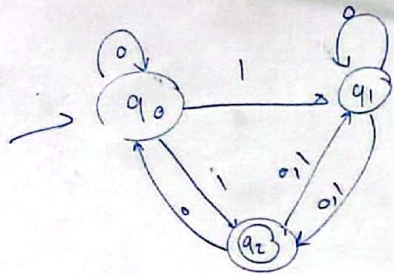


~~Table~~

	a	b
* q ₀	q ₀	q ₀ , q ₁ , q ₂
q ₁	—	q ₂
* q ₂	—	—

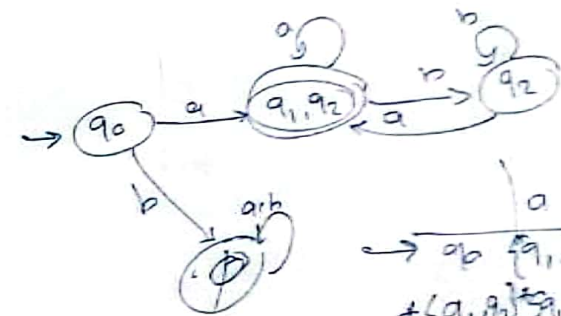
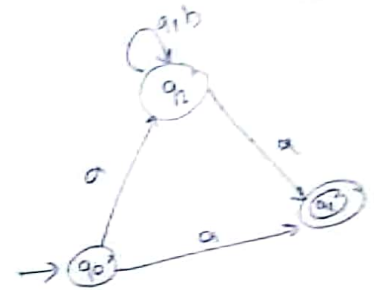


	a	b
→ q ₀	q ₀	{q ₀ , q ₁ }
{q ₀ , q ₁ }	q ₀	{q ₀ , q ₁ , q ₂ }
* {q ₀ , q ₁ , q ₂ }	q ₀	* {q ₀ , q ₁ , q ₂ }

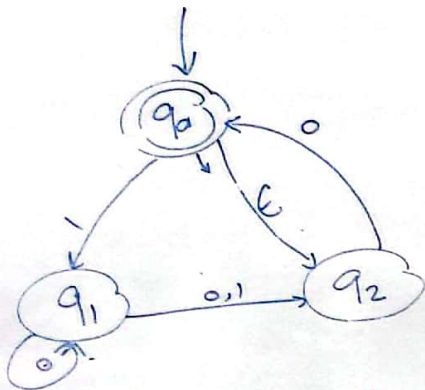


	0	1
→ q ₀	q ₀	q ₁ , q ₂
q ₁	q ₁ , q ₂	q ₂
* q ₂	q ₀ , q ₁	q ₁

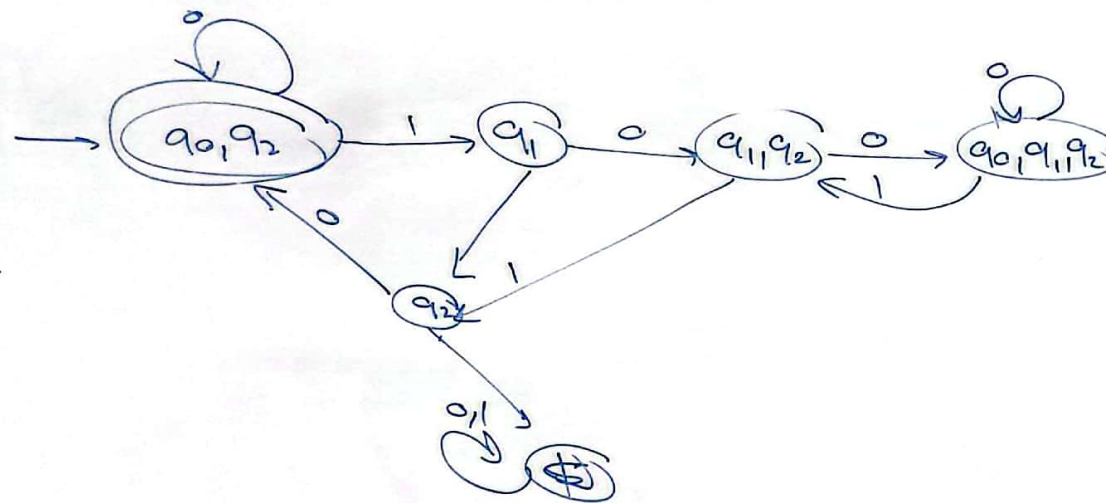
	a	b
→ q ₀	q ₁ , q ₂	—
* q ₁	—	—
q ₂	q ₁ , q ₂	q ₂

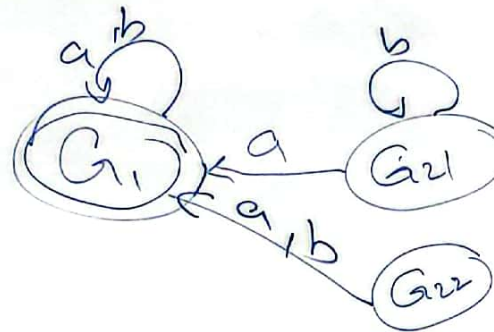
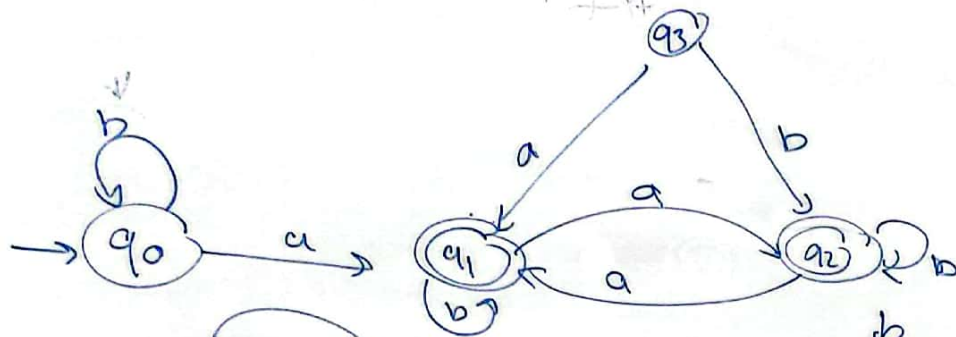


	a	b
→ q ₀	{q ₁ , q ₂ }	∅
* {q ₁ , q ₂ }	{q ₁ , q ₂ }	q ₂
q ₂	{q ₁ , q ₂ }	q ₂
∅	∅	∅



	0	1	ϵ
q_0	q_1	q_2	q_0
q_1	q_1, q_2	q_2	q_0
q_2	q_0	-	-



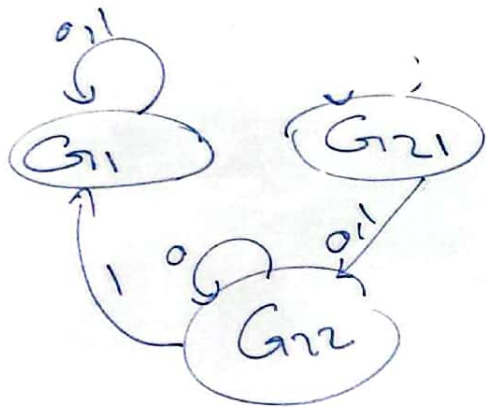


Grand
 G_1 : Final states
 G_2 : non final states.

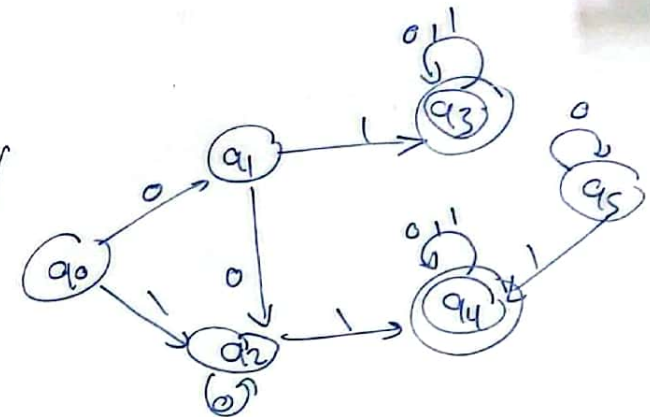
G_1

	a	b
q_1	$G_1(q_1)$	$G_1(q_2)$
q_2	$G_1(q_1)$	$G_1(q_2)$

G_2	a	b
q_0	$G_2(q_1)$	$G_2(q_3)$
q_3	$G_2(q_1)$	$G_2(q_2)$



G_2	0	1
q_0	$G_2(q_1)$	$G_2(q_2)$
q_1	$G_2(q_2)$	$G_2(q_3)$
q_2	$G_2(q_2)$	$G_2(q_4)$
q_5	$G_2(q_5)$	$G_2(q_4)$



G_1	0	1
q_3	$G_1(q_3)$	$G_1(q_3)$
q_4	$G_1(q_4)$	$G_1(q_4)$