

TBO

Bu SriLestanti

1. Gambarkan diagram transisi DFA berikut :

$Q = \{ q_0, q_1, q_2 \}$

$\Sigma = \{ a, b \}$

$\delta = q_0$

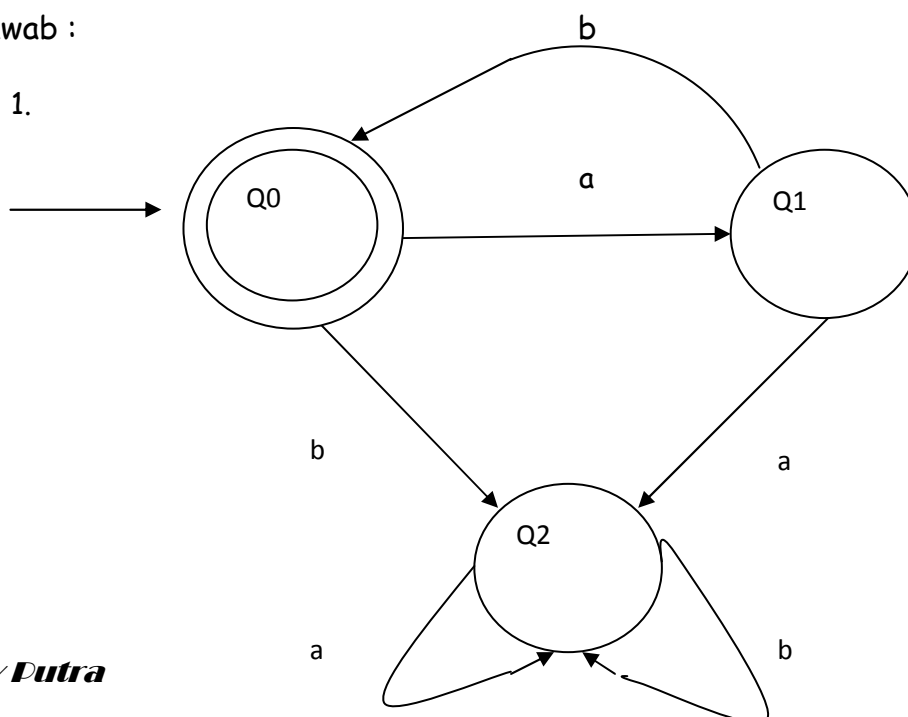
$F = \{ q_0 \}$

Fungsi transisi dari DFA tersebut :

δ	a	b
q0	q1	q2
q1	q2	q0
q2	q2	q2

Jawab :

1.



2. Gambarkan diagram transisi dari DFA berikut :

$Q = \{q_0, q_1, q_2, q_3\}$

$\Sigma = \{a, b\}$

$\delta = q_0$

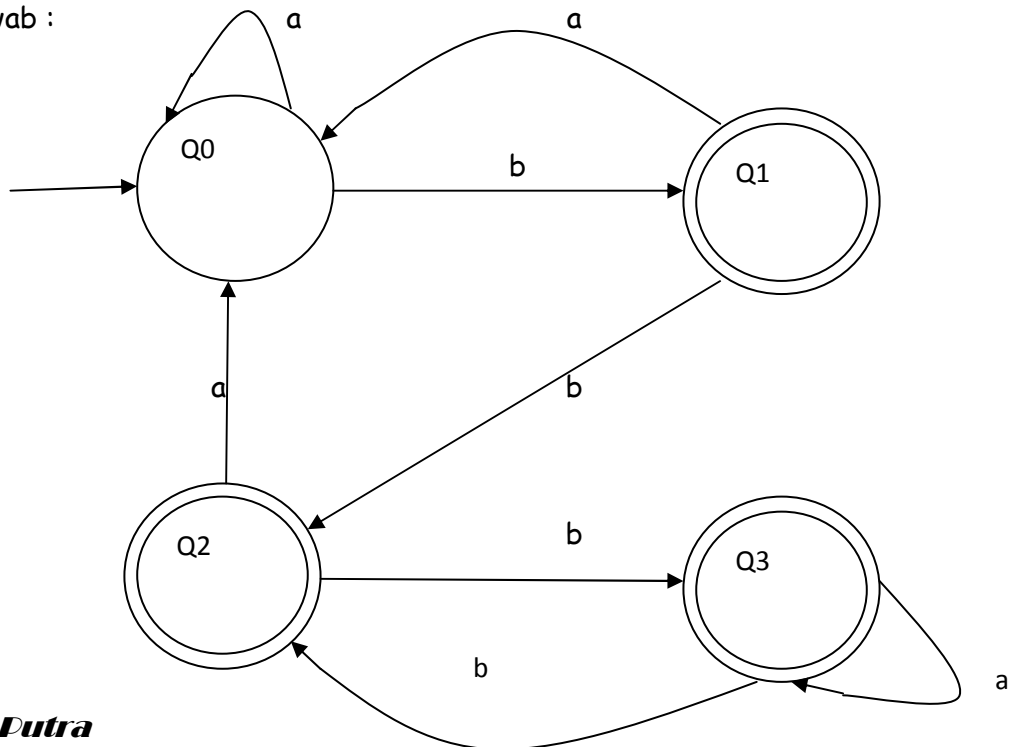
$F = \{q_1, q_2, q_3\}$

Fungsi transisi dari DFA tersebut :

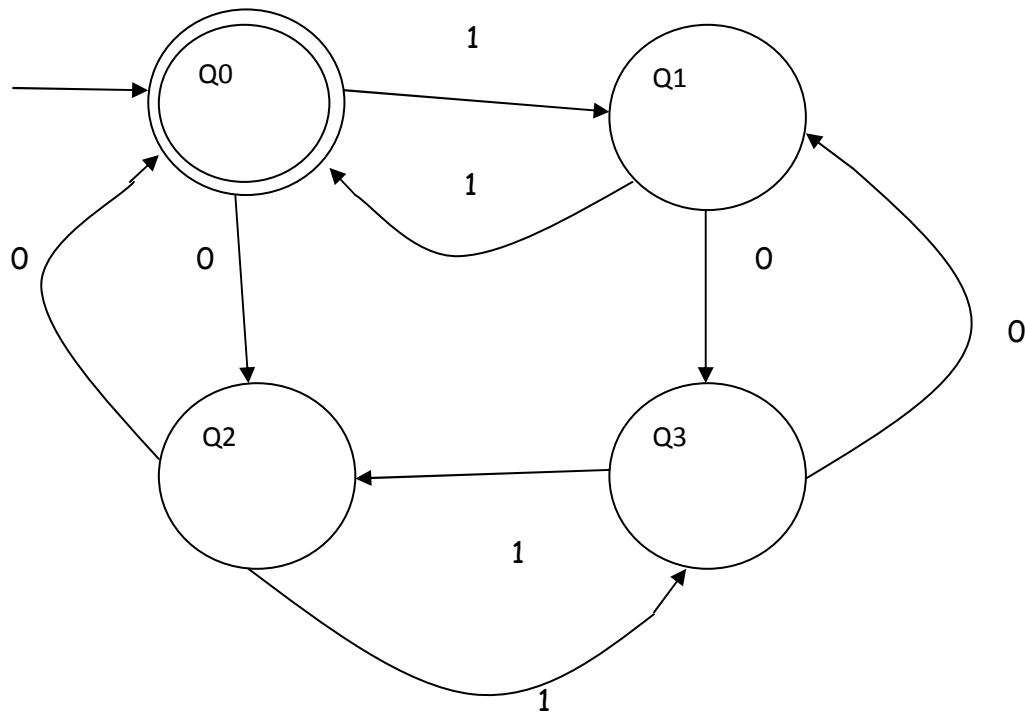
δ	a	b
q0	q0	q1
q1	q0	q2
q2	q0	q3
q3	q3	q2

Jawab :

2.



3. Buatlah label transisi berikut :



Jawab :

3.

$Q = \{ q0, q1, q2, q3 \}$

$\Sigma = \{ 0, 1 \}$

$\delta = q0$

$F = \{ q0 \}$

δ	0	1
q0	q2	q1
q1	q3	q0
q2	q0	q3
q3	q1	q2

4. Gambarkan diagram transisi untuk NFA berikut :

$Q = \{ q_0, q_1, q_2, q_3, q_4 \}$

$\Sigma = \{ 0, 1 \}$

$\delta = q_0$

$F = \{ q_2, q_4 \}$

δ	0	1
q0	$\{ q_0, q_3 \}$	$\{ q_0, q_1 \}$
q1	$\emptyset$	$\{ q_2 \}$
q2	$\{ q_2 \}$	$\{ q_2 \}$
q3	$\{ q_4 \}$	$\emptyset$
q4	$\{ q_4 \}$	$\{ q_4 \}$

Jawab :

