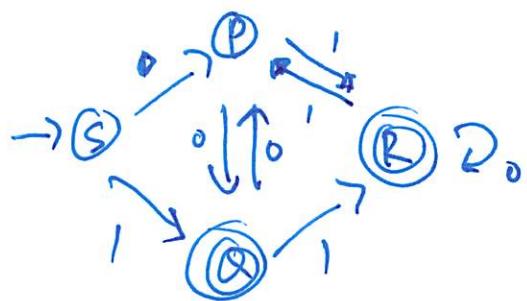Tugas IV   Soal 1.

$Q = \{P, Q, R, S\}$

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

$S = S$

$\mathcal{F} = \{Q, R\}$

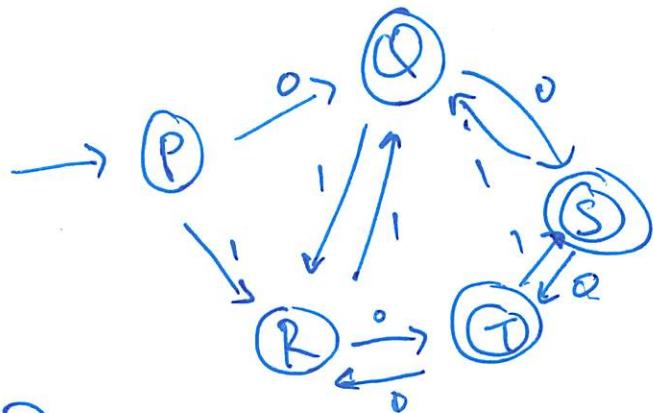| δ	0	1
S	P	Q
P	Q	R
Q	P	R
R	R	P

diterima.

a. 00 ↗↓

b. 100 ↘↑↓

c. 110 ↘↗↘

d. 010 ↗↘↘

e. 0111 ↗ ↘↖↘

di tolak

a. 000 ↗↘↑

b. 111 ↘↗↖

c. 011 ↗ ↘↖

d. 10 ↘↑

e. 1101 ↘↗↘↖

Soal 2.

$Q = \{ P, Q, R, S, T \}$

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

$S = P$

$f = \{ S, T \}$

δ	0	1
P	Q	R
Q	S	R
R	T	Q
S	T	Q
T	R	S

diterima.

1. 000
b. 101
c. 110
d. 010
e. 0010

ditolak

a. 100
b. 001
c. 1011
d. 0100
e. 10100