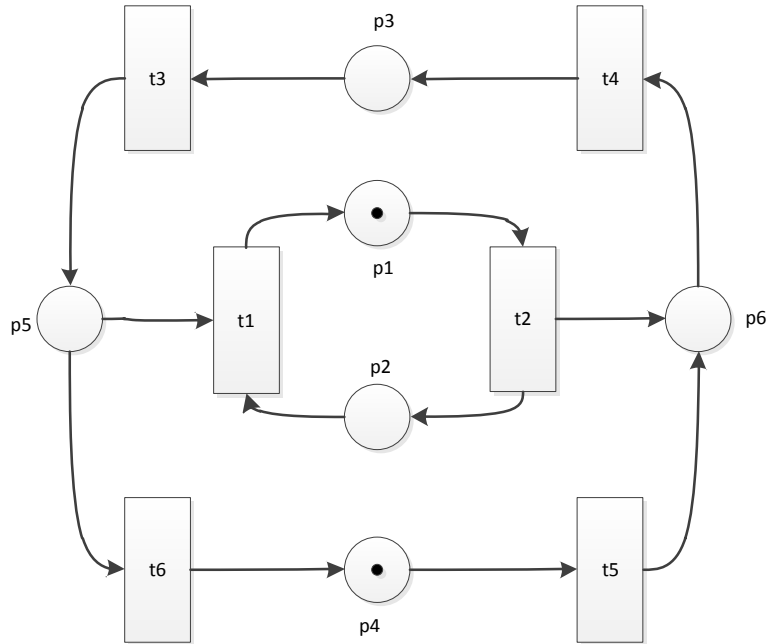# Questions 25-32 of exam 10 April 2017

Question 25

Consider the Petri net in the figure below. If this is an E/C-Net, what is the maximum number of tokens in the network?

    a.   2
    b.   3
    c.   4
    d.   5

Question 26

For the same E/C-Net, how many different markings does the network have?

    a. 8
    b. 10
    c. 11
    d. 14
    e. 17

Question 27

For the same E/C-Net, which of the following two transactions are never enabled at the same time?

    a. t1 and t2
    b. t2 and t3
    c. t3 and t4
    d. t4 and t5

Question 28

Related to the same E/C-Net, what is the maximum number of transitions enabled at the same time?

    a. 1
    b. 2
    c. 3
    d. 4

Question 29

Consider the Petri net in the figure of Question 25. If this is an P/T-Net, what is the maximum number of tokens in the network?

    a. 2
    b. 3
    c. 4
    d. 5
    e. Infinite

Question 30

For the same P/T-Net, how many different markings does the network have?

    a. 8
    b. 10
    c. 11
    d. 14
    e. 17

Question 31

For the same P/T-Net, which of the following two transactions are never enabled at the same time?

    a. t1 and t2
    b. t2 and t3
    c. t3 and t4
    d. t4 and t5

Question 32

Related to the same P/T-Net, what is the maximum number of transitions enabled at the same time?

    a. 1
    b. 2
    c. 3
    d. 4