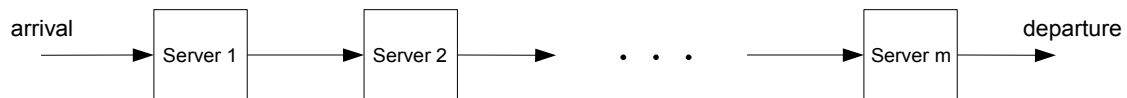- Report in maximum of 2 pages

- The total value of the assignment is 6 points

- You can write your answers either in Finnish, Swedish or English

- Deadline for this assignment is Thursday, March 15th, 2018 at 16:00.

- Return your report via MyCourses

Assignment 2.2 – Identifying warm-up time

(*from:* Banks J., Carson J.S., Nelson B.L., *Discrete-event System Simulation, 2nd ed.* Prentice Hall, 1999.)

Consider some number, m, of single-server queues. The system can be shown as follows:

Customers arrive at the system with exponential inter-arrival times, mean 0.125 time units. Service times are exponential with mean 0.1 time units at all servers. Queuing discipline is FIFO and queue length at each server unlimited, Use as performance indicator the total time a customer spends in the system. Consider the length of the warm-up period, when simulation of the system starts empty and idle and $m=\{1,2,3,4,5\}$.