Homework 3

Due February 19th, 2010.

February 12, 2010

Question 1.

Calculate the following from the data provided:

- The average delay for the first 50 customers

- The expected number of customers in the queue between 12am and noon

- The average server utilization between 12am and noon.

Question 2

From the given data plot the following charts:

- A probability distribution of the inter-arrival times

- A probability distribution of the service times

Choose an appropriate bucket size.