

Example:

Consider the Post-office of a small town. There are 5 workers available to stamp the letters. It has been observed that the rate at which a letter arrives for postage follows geometric distribution with parameter 0.73. The workers are able to stamp the letters, correctly with probability 0.8. Obtain the measures of effectiveness, assuming that the situation is modeled as a $Geo/Geo/5$ queue.

Solution:

In order to obtain the measures of effectiveness, we follow the steps as shown below:

- Open the page where the experimentation is to be performed
- Feed the data as shown:

Discrete time finite servers - infinite capacity model



Start

Reset

Arrival Probability (p) :

Departure Probability (q) :

Number of Servers :

Queueing Discipline :
☒ FIFO ☐ LIFO ☐ Random

- Next, click on the ‘**Start**’ button to obtain the desired measures of effectiveness

Discrete time finite servers - infinite capacity model

