Advanced Operating Systems

Project -2

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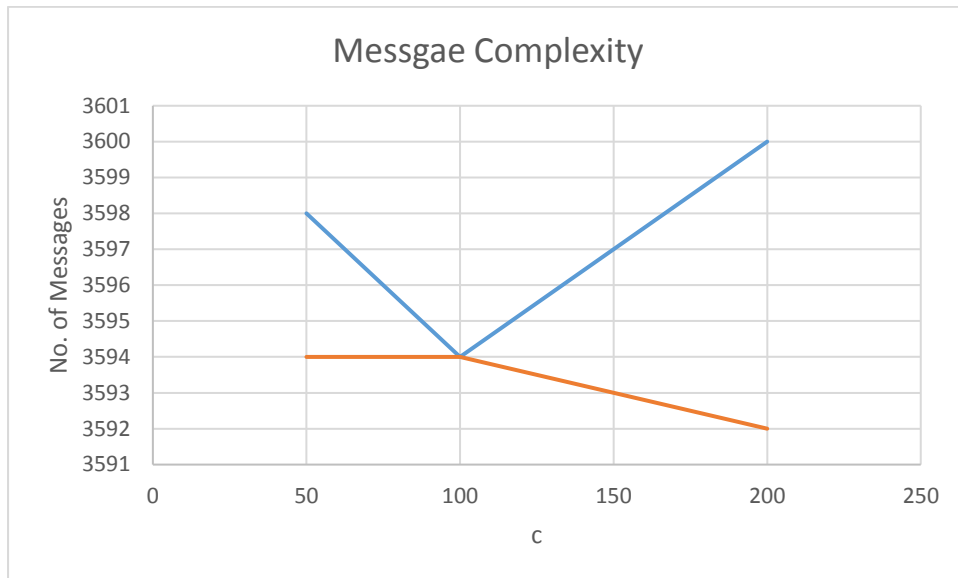Shriharsha Chebbi (sxc155130)

Gokul Surendra (gxs161530)

1. Plots of variations of message complexity ,average response time and throughput with respect to "c" for Greedy and Non-greedy algorithms

Here n=100, d=20
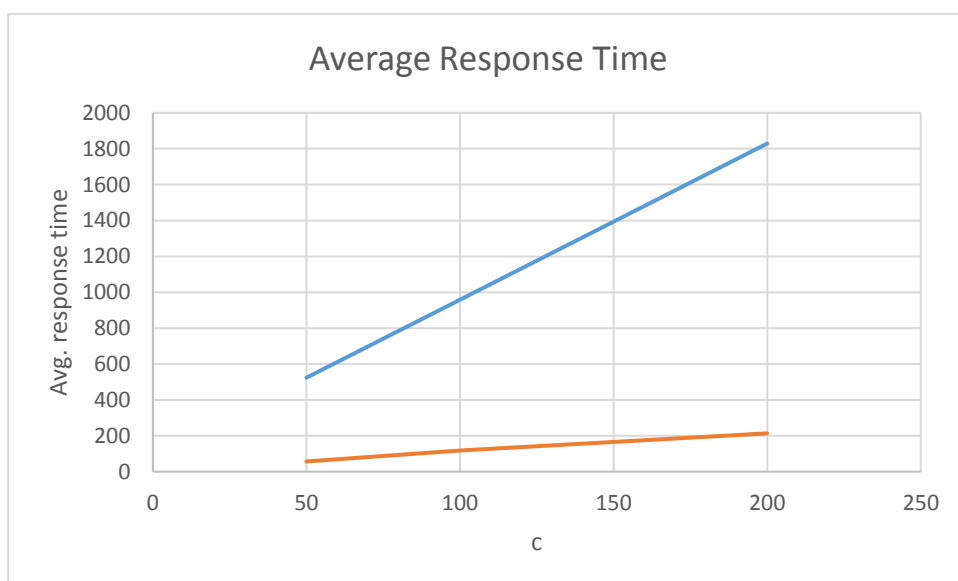
Message Complexity:

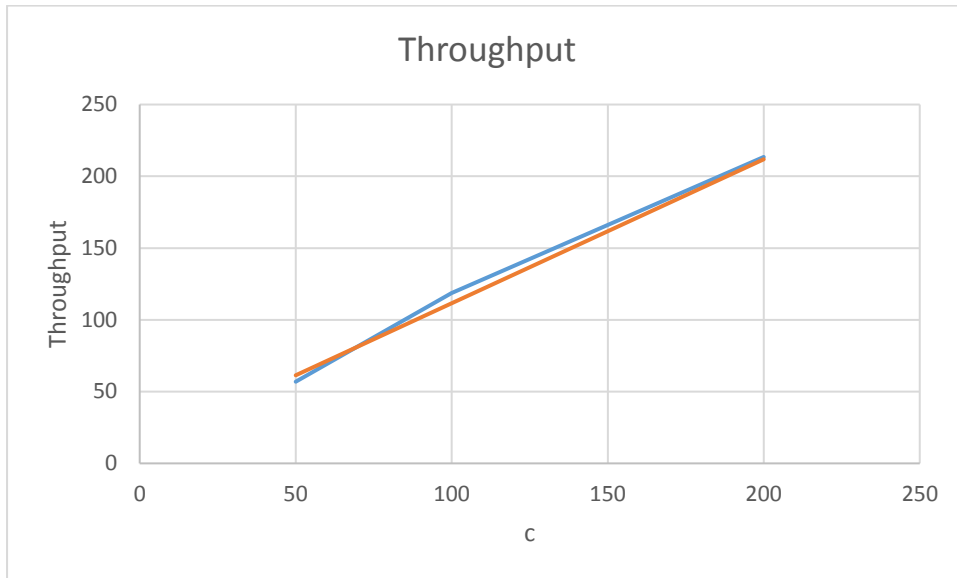(Blue line-Non greedy

Brown line-greedy)

Average response time:

Average response time for non- greedy version was observed to be higher as compared to non-greedy version as shown below.

Throughput:

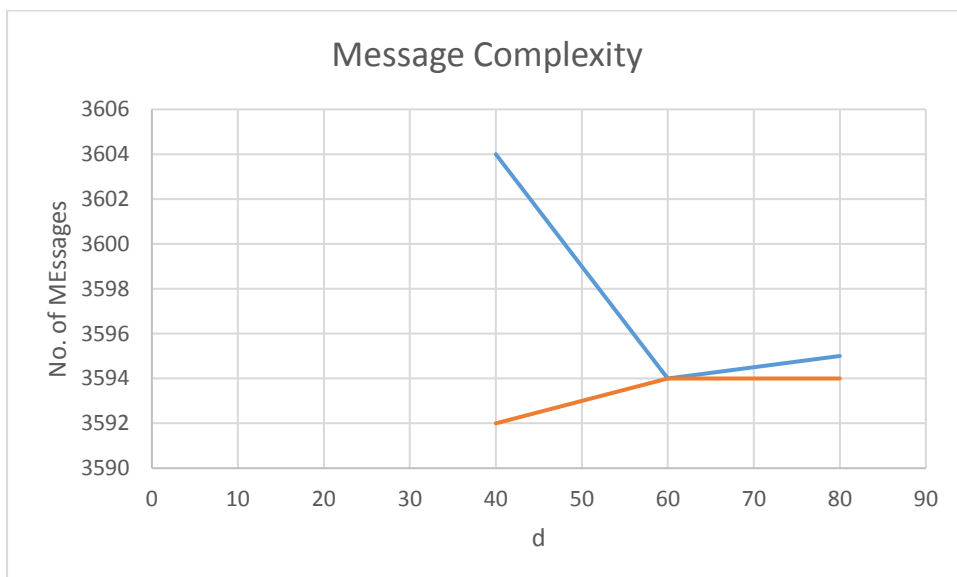Throughput for both greedy and non-greedy was observed to be similar as shown below.

2. Plots of variations of message complexity ,average response time and throughput with respect to "d" for Greedy and Non-greedy algorithms
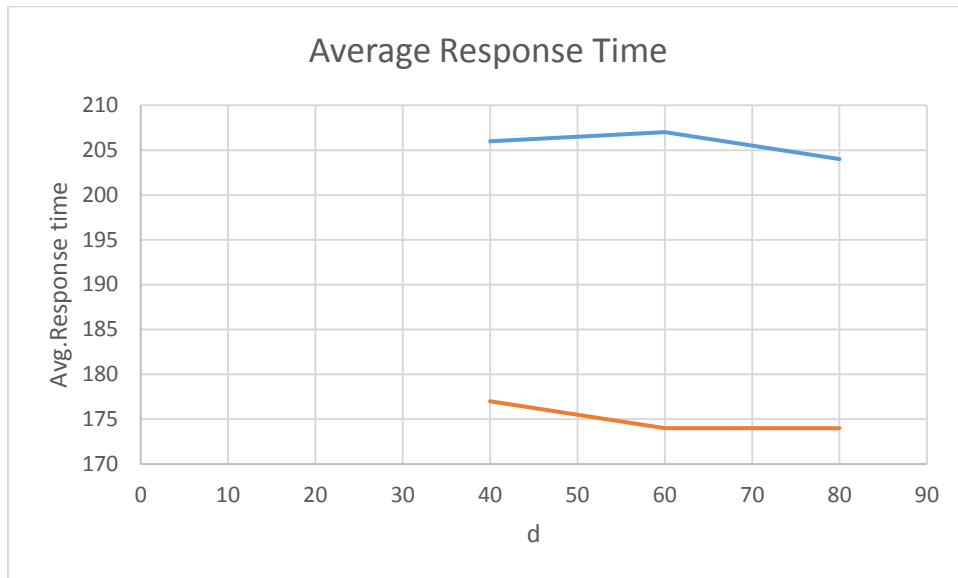
Here n=100, c=10

Message Complexity:

(Blue line-Non greedy and Brown line-greedy)

Message complexity for greedy version was observed to be higher as compared to non-greedy version as shown below.
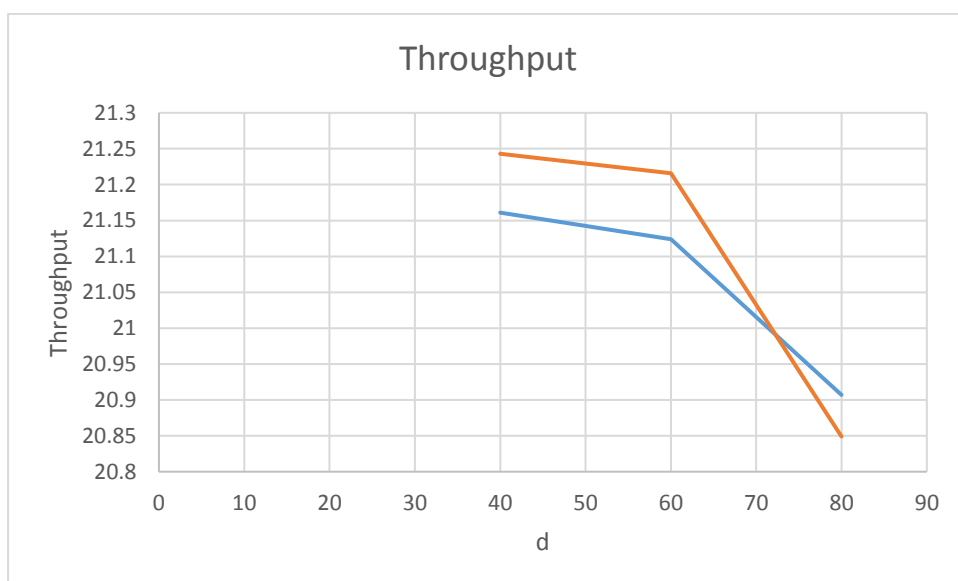
Average response time:

Average response time for non- greedy version was observed to be higher as compared to non-greedy version as shown below.

Average Response Time

Y-axis: Avg.Response time (170 to 210)
X-axis: d (0 to 90)

Throughput:

Throughput time for non-greedy version was observed to be lower as compared to non-greedy version as shown below.

Throughput

Y-axis: Throughput (20.8 to 21.3)
X-axis: d (0 to 90)

3. Plots of variations of message complexity ,average response time and throughput with respect to "n" for Greedy and Non-greedy algorithms
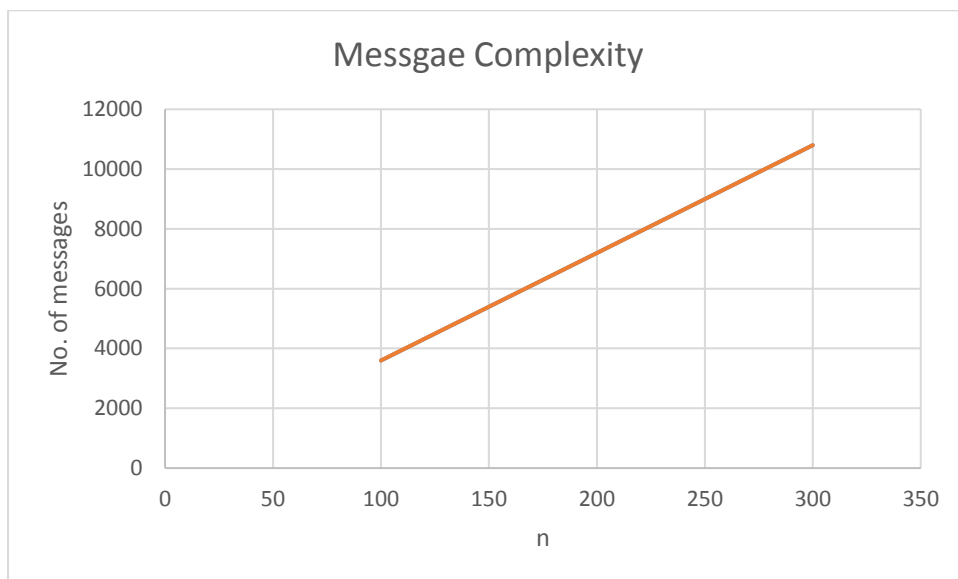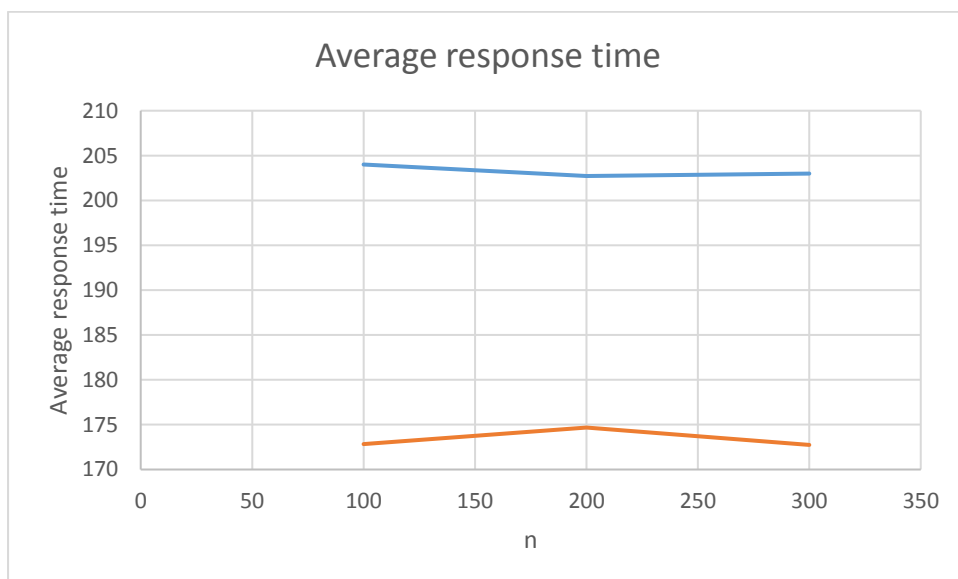
Here c=10, d=20

Message Complexity:

(Blue line-Non greedy

Brown line-greedy)

The plots are overlapping below

Messgae Complexity

No. of messages vs n

Average response time:

Average response time

Average response time vs n

Throughput: