



Figure 4

4) In the simulation a packet size of 1024 bytes is used (Note: Each Ethernet packet can contain up to 1500 bytes of data). To study the effect of the packet size on the throughput of the created Ethernet network, create a duplicate of the **Csrx\_0025** scenario. Name the new scenario **Csrx\_Q4**. In the new scenario use a packet size of 512 bytes (for all nodes). For both **Csrx\_0025** and **Csrx\_Q4** scenarios, choose the following global statistic:

**Solution:**

A) graph that compares the throughput in bits/sec in **Csrx\_0025** and **Csrx\_Q4** scenarios.

Figure 5 shows the traffic received speed. The network with smaller packets (constant 512bytes) has smaller speed at the beginning. However, with the time goes by, the speed maintains a certain value, which is bigger than the network (**Csrx\_Q025**) with larger packets. This is because of the difference of the packet number. With more packets to be sent, the time efficiency becomes worse. So it is smaller when the load of network is light. As the network load is rising, the network with more sending packets will be more efficient. It is because the smaller size packet will make the collision count drop.

# Opnet Lab Manual Solutions Swf

**Brendan G. Carr**



## **Opnet Lab Manual Solutions Swf:**

## The Enigmatic Realm of **Opnet Lab Manual Solutions Swf**: Unleashing the Language is Inner Magic

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