Application #5

Wired TCP Network:

```
n2 ------------ r1 ---------------r2 ---------------- n3
        100Mbps       10Mbps        100Mbps
        20ms          50ms          20ms
```
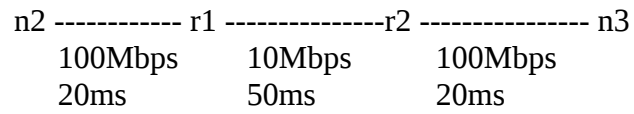
Packet Size	Fairness Index	Average Throughput (in Kbps)
40	0.792074	0.373643
44	0.778373	0.390663
48	0.765761	0.407684
52	0.754135	0.424704
60	0.768332	0.503218
552	0.575185	2.88526
576	0.572457	2.98739
628	0.573957	3.25313
1420	0.55652	7.11151
1500	0.55677	7.49639

Fairness Index Vs Packet Size

Throughput Vs Packet Size

Wireless TCP Network :

n0 _____ bs1 ---------------------bs2 _____ n1
      100Mbps   10Mbps   100Mbps
      20ms   50ms   20ms

_____ : Wireless Connection   ------------------ : Wired Connection
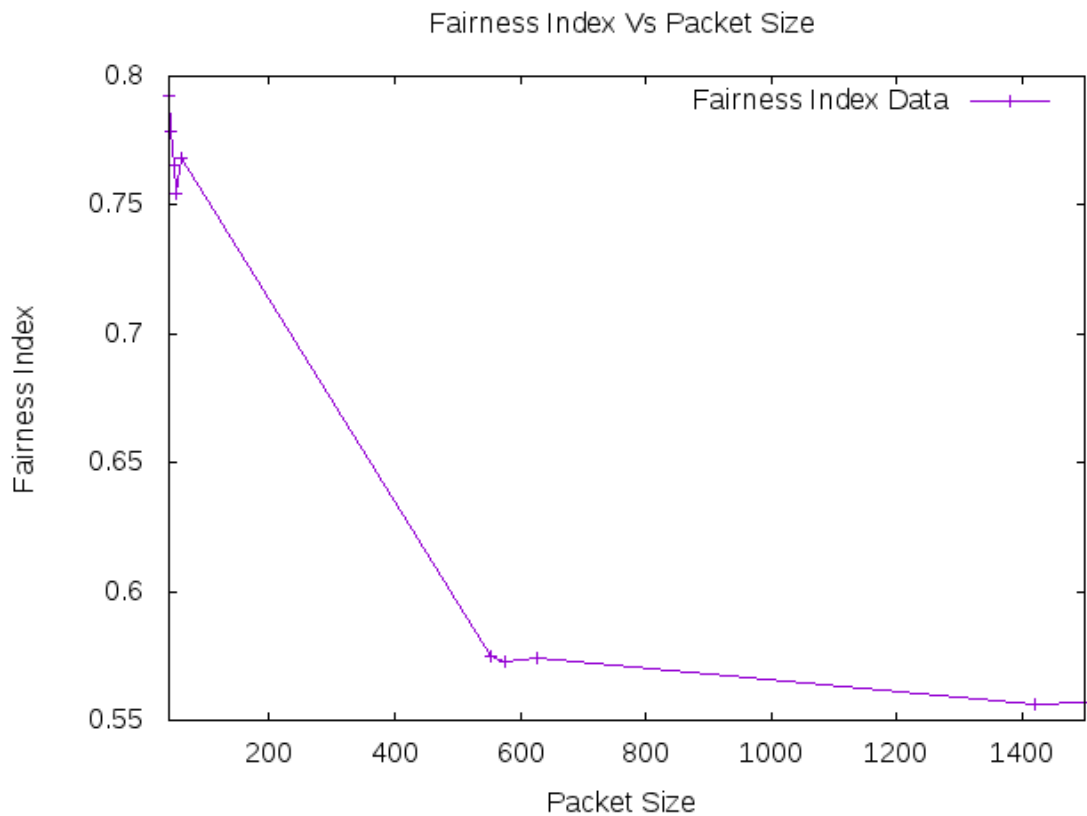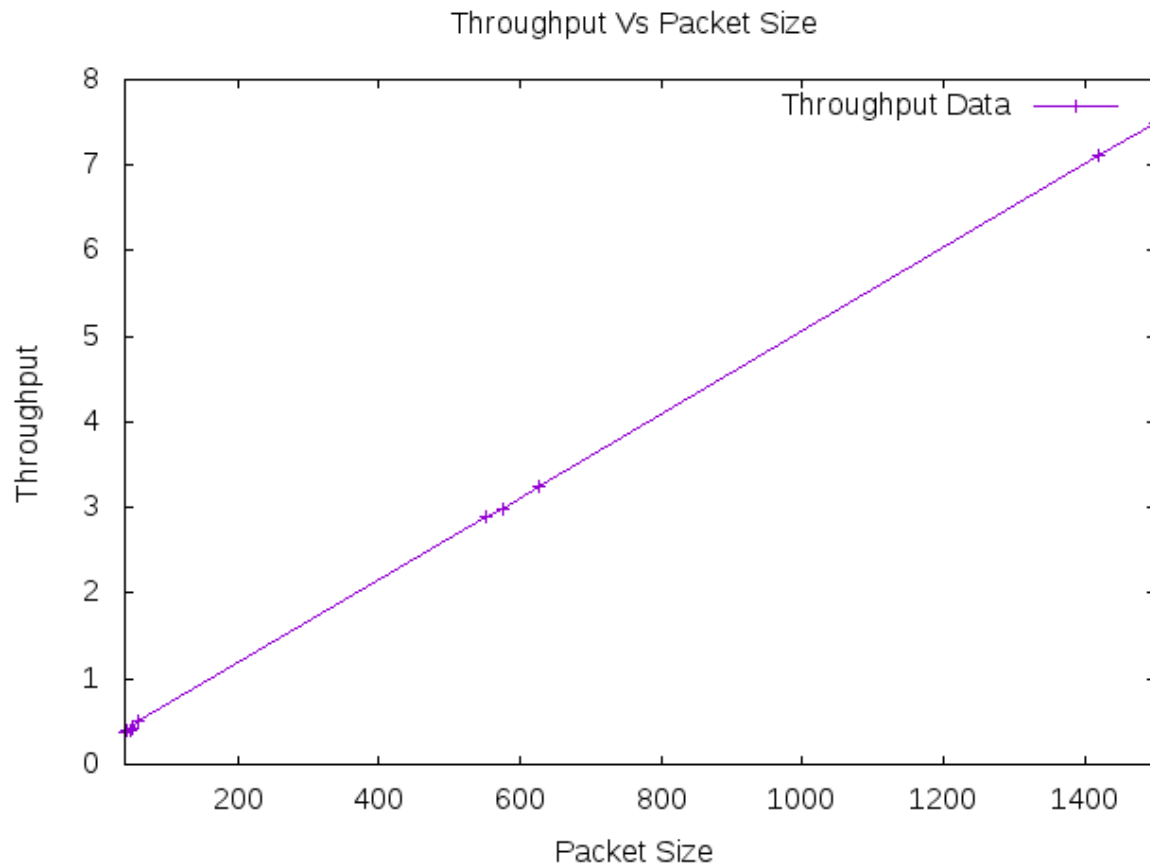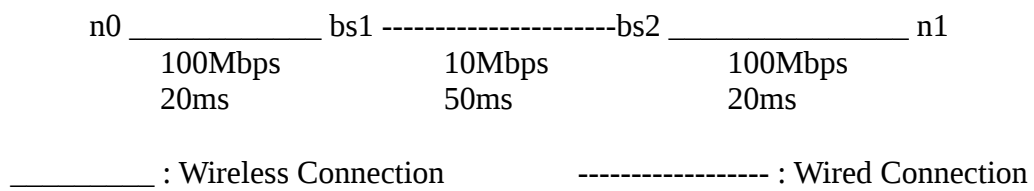
Packet Size	Fairness Index	Average Throughput (in Kbps)
40	0.768222	5.10857
44	0.760133	5.2877
48	0.752777	5.4128
52	0.745793	5.56938
60	0.730737	5.85829
552	0.549218	24.4598
576	0.547805	25.3139
628	0.544004	27.2641
1420	0.520614	56.9886
1500	0.51957	59.6698

Fairness Index Vs Packet Size

Throughput Vs Packet Size