

1. Create a topology of 5 nodes (n0, n1, n2, n3, n4) where n0 and n1 are connected through point-to-point link and the rest are connected in LAN with n1, as shown in figure below:

```
// 10.1.1.0
// n0 ----- n1  n2  n3  n4
// point-to-point | | | |
//               =====
//               LAN 10.1.2.0
```

Node n0 is the sink for all the other nodes. Generate appropriate data from the nodes. Calculate average throughput and delay in the network.