REPORT ON ASSIGNMENT 3

NETWORK LAYER

STUDENT ID:1405056

Average hop\_count and drop\_rate has been determined for every clients.Here's the data collected from randomly chosen 1 client.

LAMBDA = .10:

Algorithm Hop\_count Drop\_rate

Simple DVR 3.0 0.67

DVR 3.0 0.0

In DVR algorithm, we know that when a packet goes from x to y and from y to z, x can not be the next hop for the path y to z.That is split-horizon technique.And when it goes from y to z and z is the next hop, we immediately update the routing table.Whereas in SIMPLE DVR, we just look for a better route with the lowest cost and send the packet.That is why,there is a slight difference we can see in the data above between DVR and SIMPLE DVR with equal LAMBDA.

DVR:

Lambda Average hop Average drop

.01 9.06 0.0

.05 22.0 0.5

.10 3.0 0.0

.25 13.0 0.37

.50 1.0 0.52

.80 Nan 1.0