

Table Showing Drop Rates and Avg. Hops with DVR for different values of Lambda:

| <b>Lambda</b> | <b>Average No. of Hops</b> | <b>Drop Rate</b> |
|---------------|----------------------------|------------------|
| 0.01          | 1.28                       | 54%              |
| 0.05          | 0.82                       | 61%              |
| 0.10          | 1.97                       | 72%              |
| 0.25          | 0.70                       | 80%              |
| 0.50          | 0.69                       | 84%              |
| 0.80          | 1.00                       | 93%              |

Table Showing Drop Rates with DVR and Simple DVR for Lambda=0.01:

| <b>Algorithm</b> | <b>Drop Rate</b> |
|------------------|------------------|
| DVR              | 54%              |
| Simple DVR       | 60%              |

**Reasoning:** The Split Horizon and Forced Update rule in DVR algorithm spreads the bad news (a router is down) faster. The Split Horizon condition prevents circulation and The Forced Update condition makes sure to accept a larger value (i.g. Infinity) in the routing table update.