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Exercises of lecture

Mobile Ad Hoc Networks

Summer 2007

Sheet 9
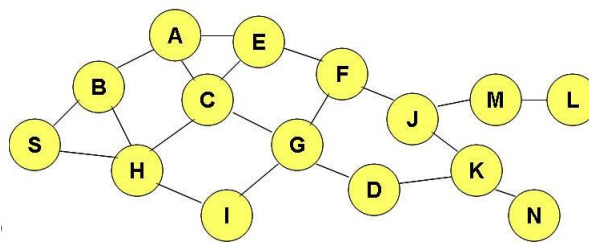
SECTION 1:
MANET Routing Protocols

Figure 1: AODV

1. Given a figure-1, apply Ad hoc On Demand Distance Vector (AODV) to find route from node S to D, clearly showing Route Request (RREQ) and Route Reply (RREP). Furthermore, also indicate forward links from S to D.
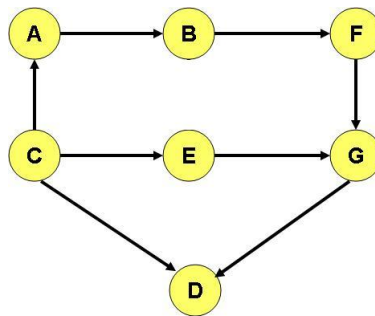

Figure 2: DAG with destination D

2. For the Directed acyclic graph (DAG) given in figure-2, created for destination D a link between node F and G fails. Use Partial link reversal method to restore DAG for destination D, showing each intermediate steps.