

DYMO v10 Verification Result

Analyzed Version

GBT model of the DYMO ad hoc routing protocol draft version 10. Alternative model, in which only the target node may reply to an RREQ.

Resulting Patterns

This is the total set of patterns left after the backward search reached a fixed point. These patterns subsume all the other patterns generated and none of them contain the initial hypergraph; thus, none of the undesirable configurations is reachable.

Note that six of these patterns are the given bad patterns. The other four patterns are spoofing situations identified by GBT. In these cases a network node sends out routing data of one of the following types:

- The data is marked as pertaining to a final destination to which the sending node has no route.
- The data contains a higher sequence number than what the sending node has stored for that particular destination.
- The data contains an equal sequence number and a lower hop count compared to what the sending node has stored.
- The data contains equal sequence number and hop count compared to what the sending node has stored.











