$DYMO\ v10\ Model$

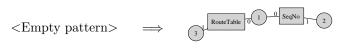
GBT model of the DYMO ad hoc routing protocol draft version 10. Alternative model, in which only the target node may reply to an RREQ.

Initial graph

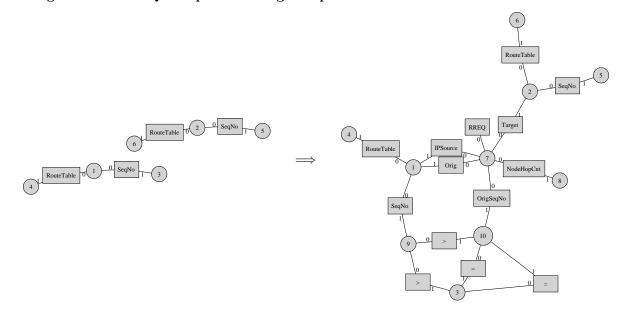
<Empty graph>

Actions

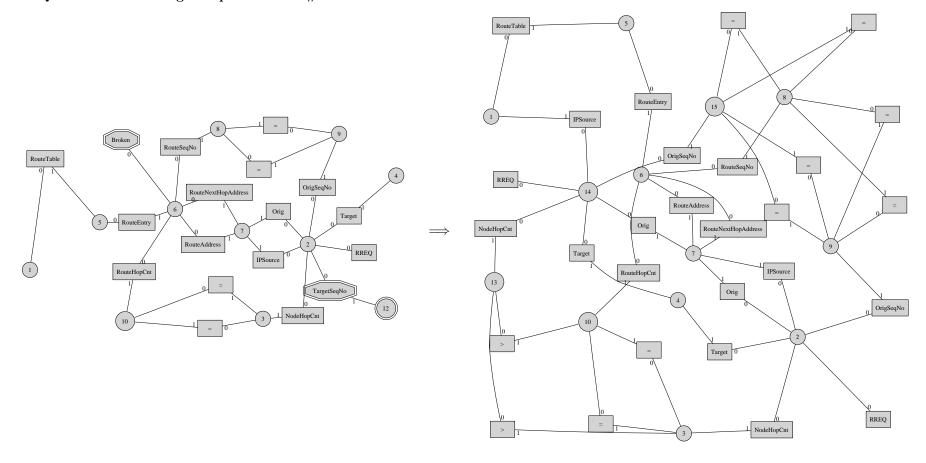
New node appearing in network



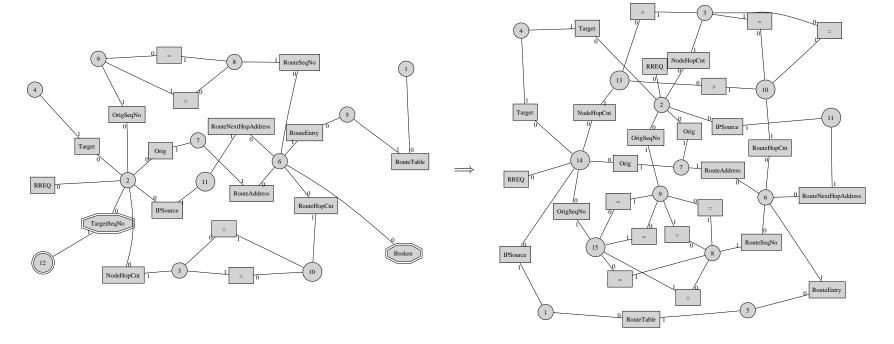
Node generates RREQ - no previous target sequo



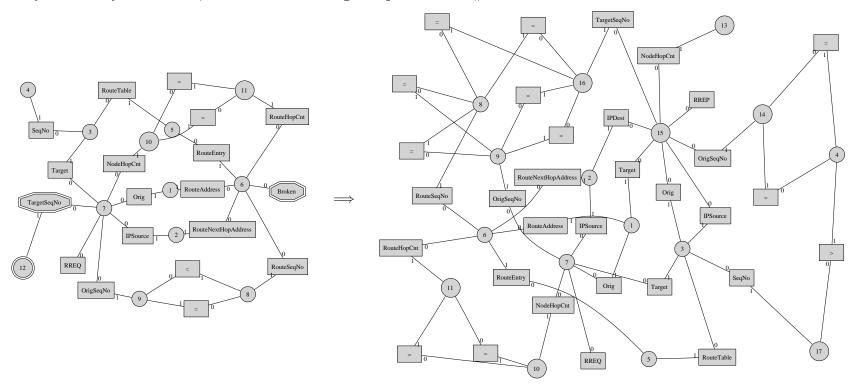
RREQ reflooded - No target sequo included #1



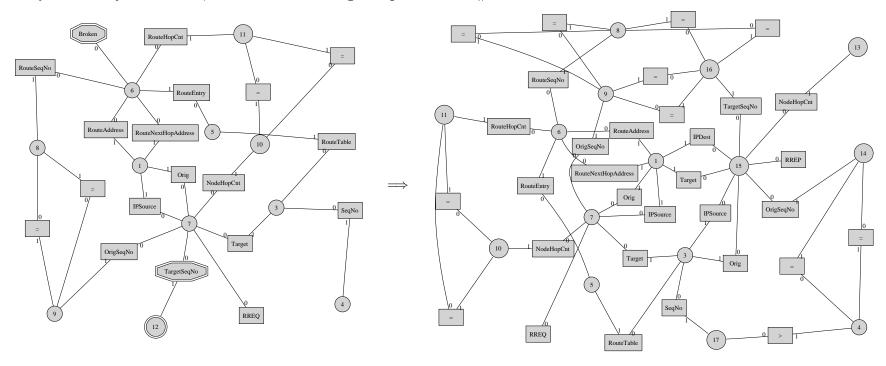
RREQ reflooded - No target sequo included #2

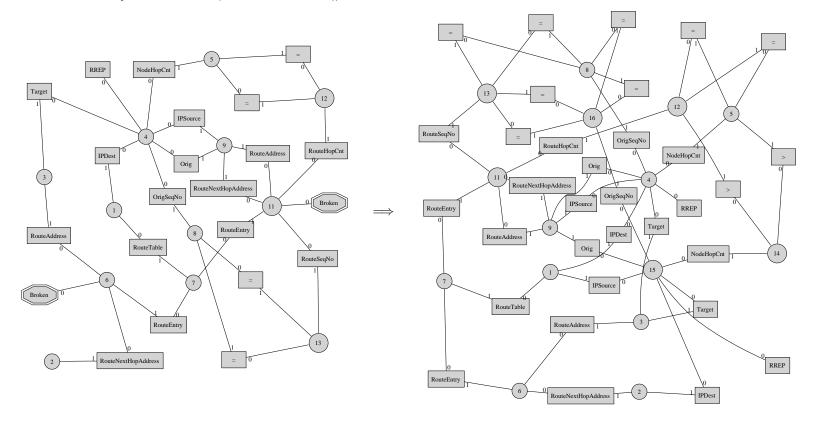


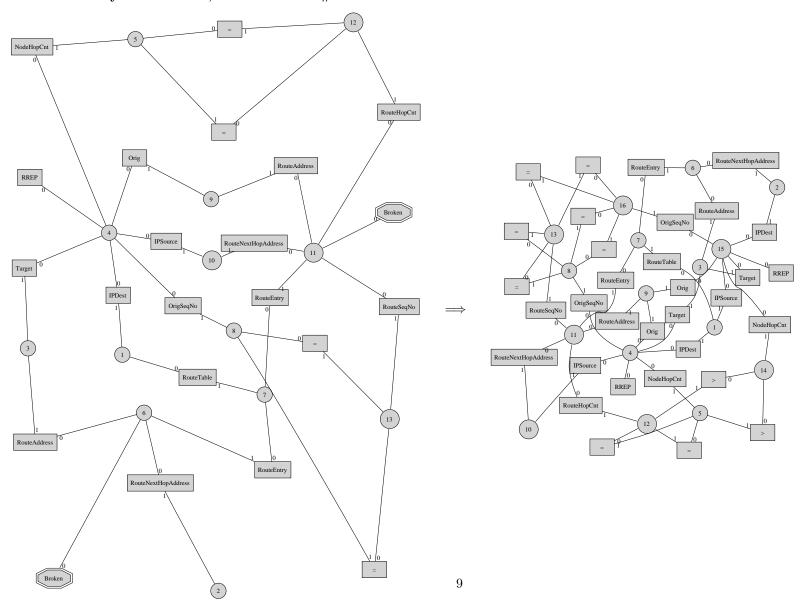
RREQ received by destination, RREP sent - No target sequo included #1

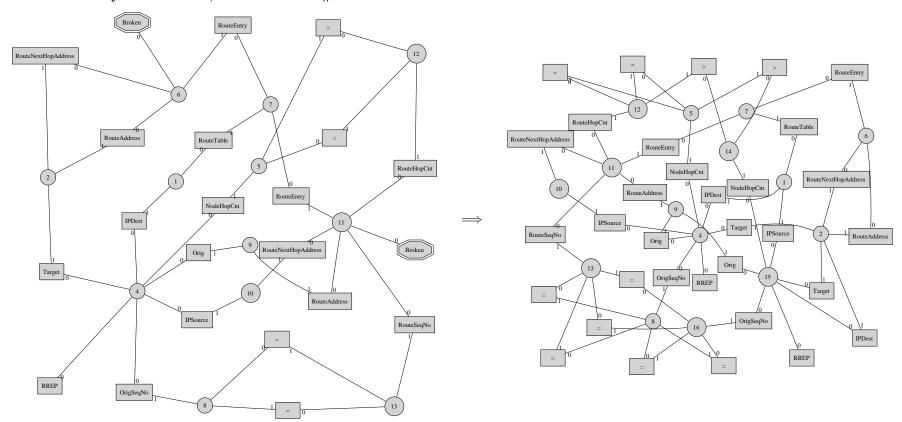


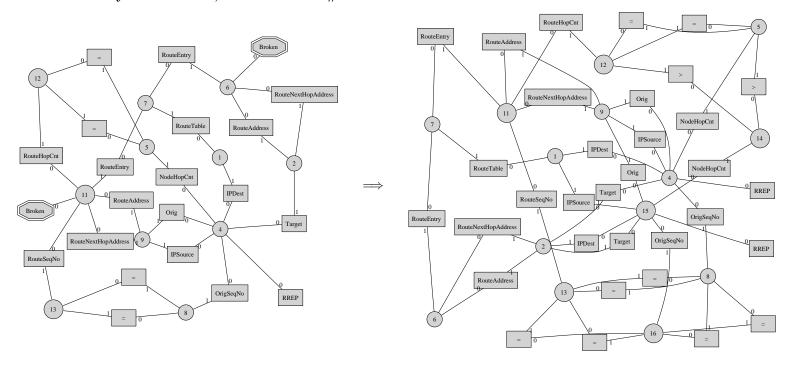
RREQ received by destination, RREP sent - No target sequo included #2



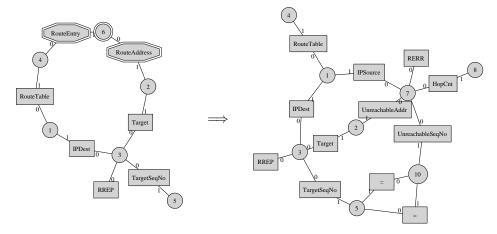




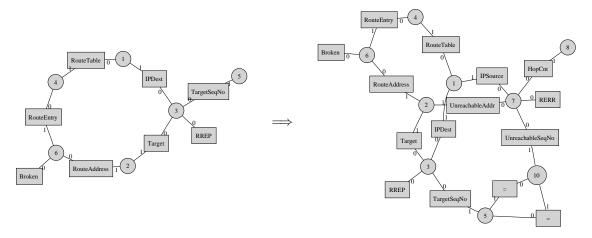




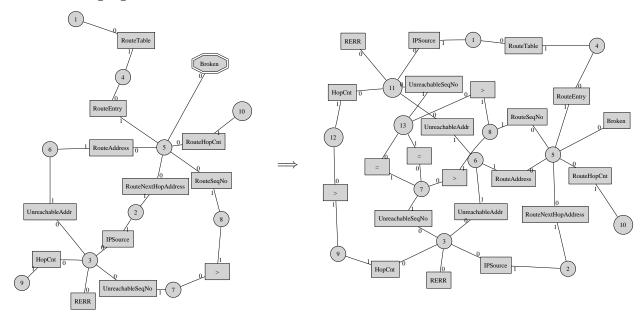
RREP received by intermediate, no route available, RERR sent



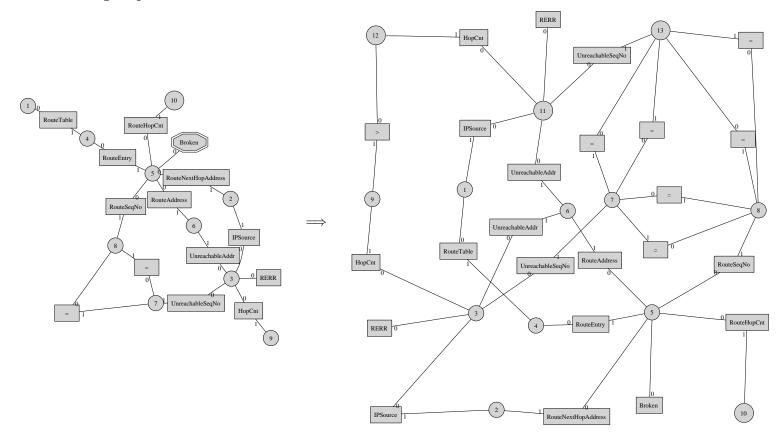
RREP received by intermediate, only invalid route available, RERR sent



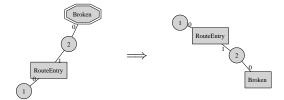
RERR handling - greater than case



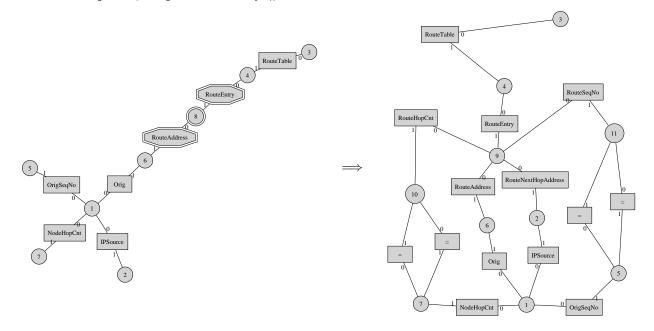
RERR handling - equals case



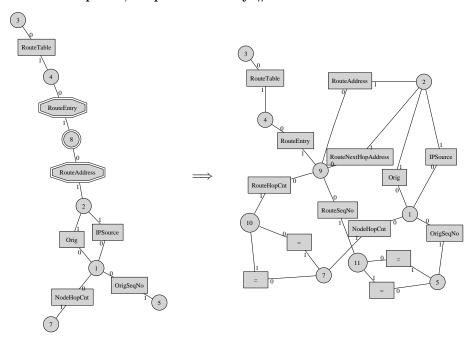
Route timeout/handling of broken routes

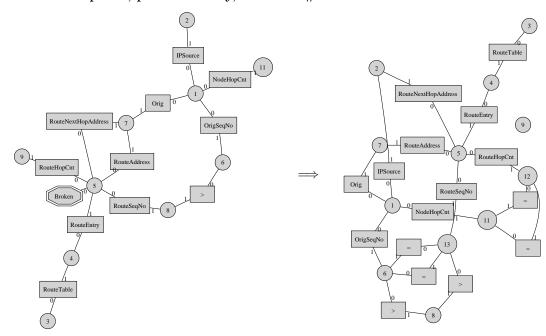


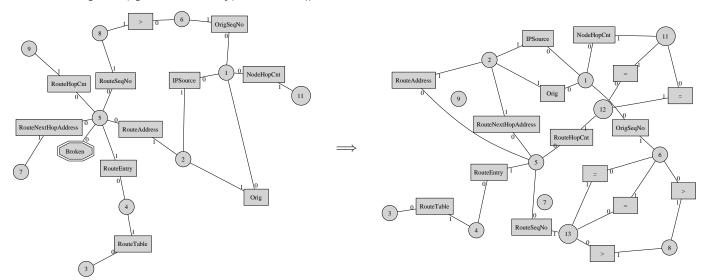
Route table update, no previous entry #1

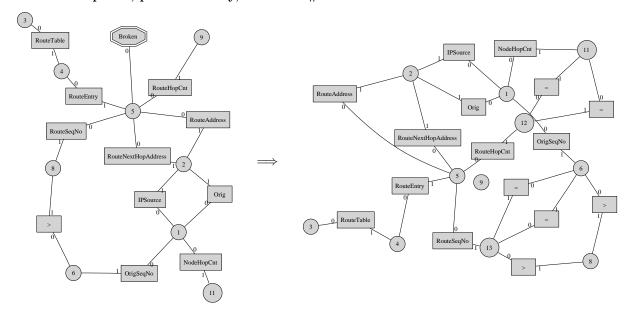


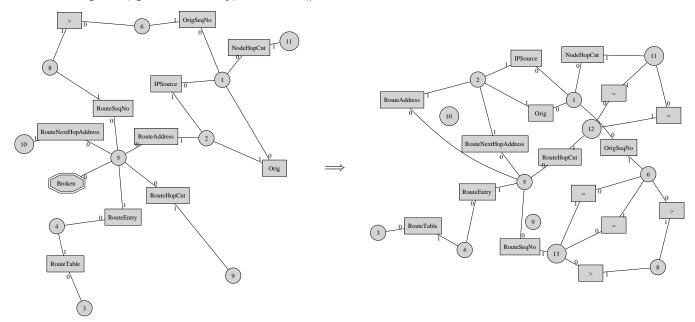
Route table update, no previous entry #2

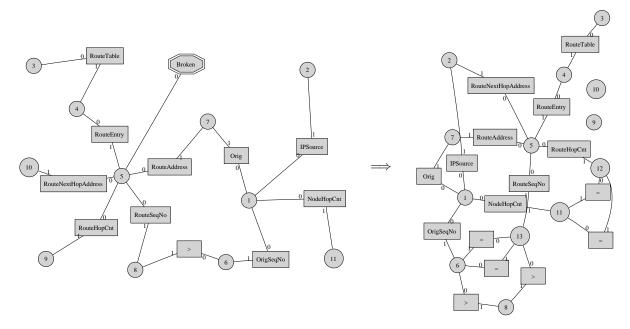


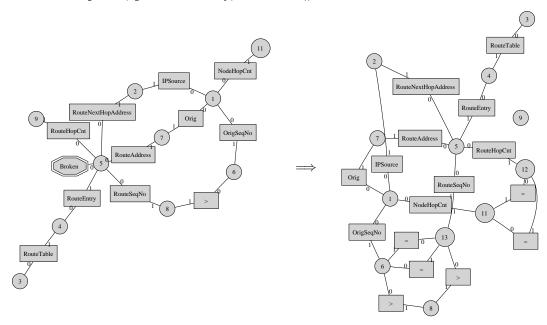


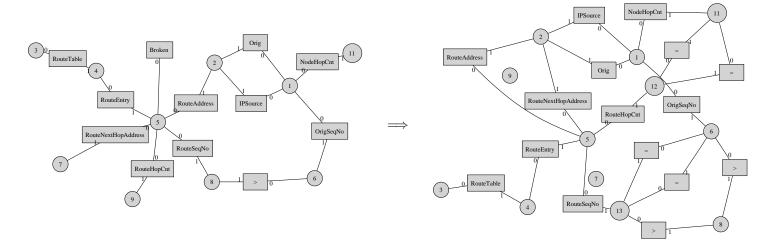


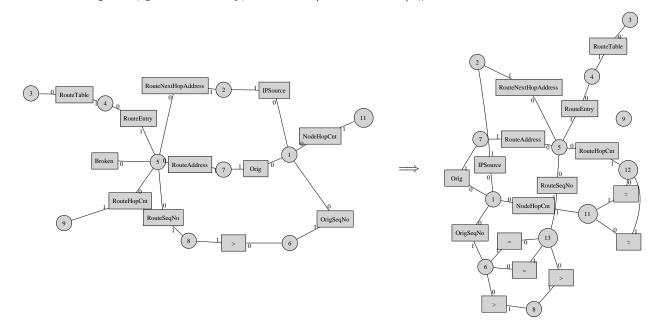


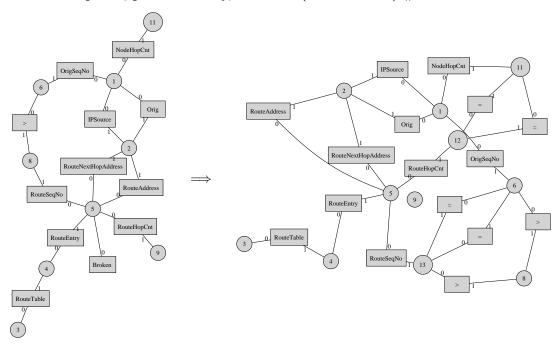


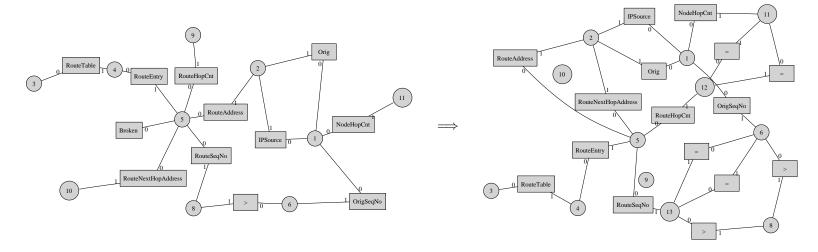


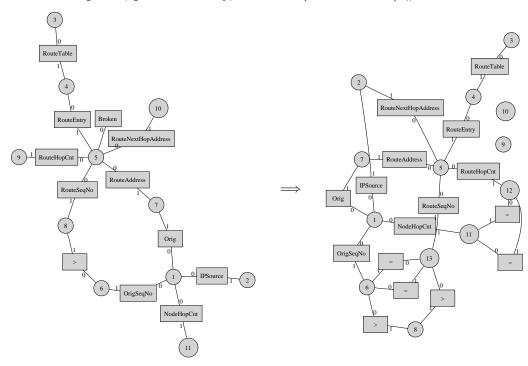


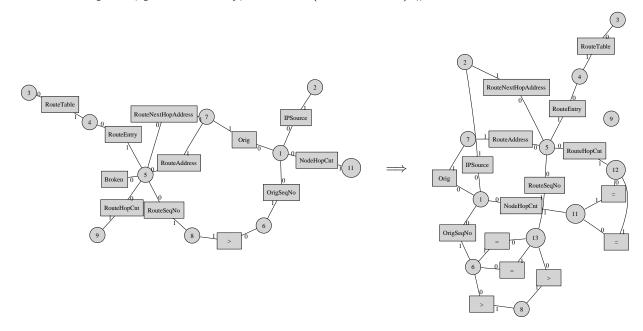


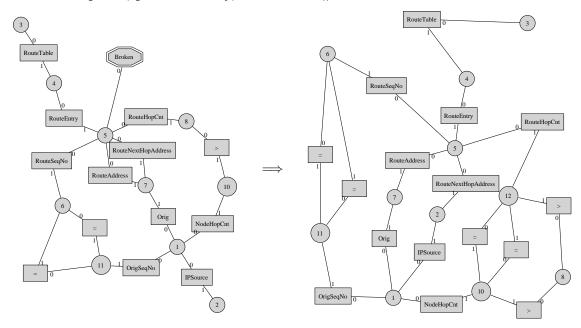


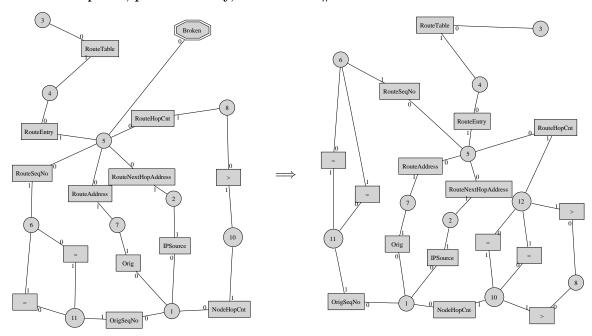


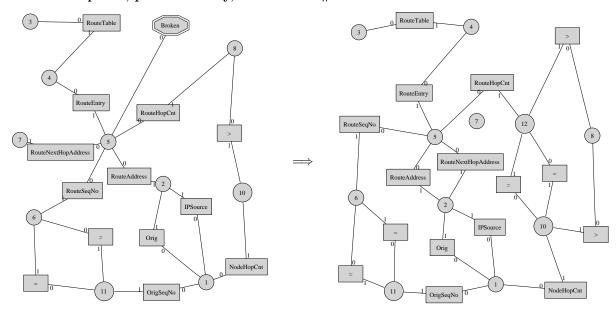


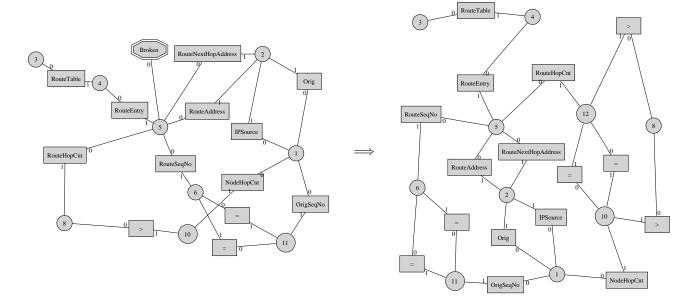


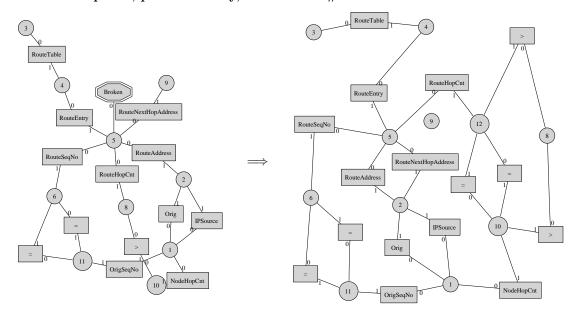


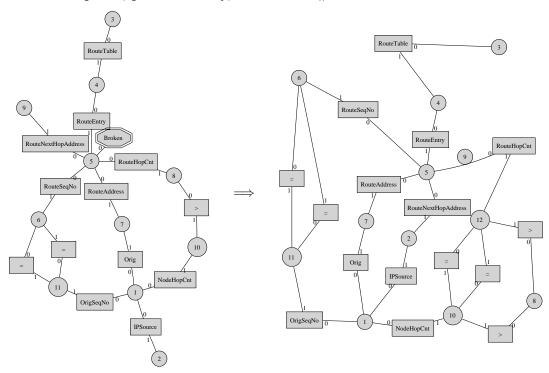


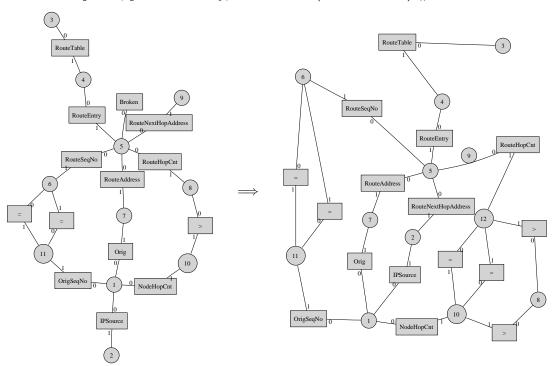


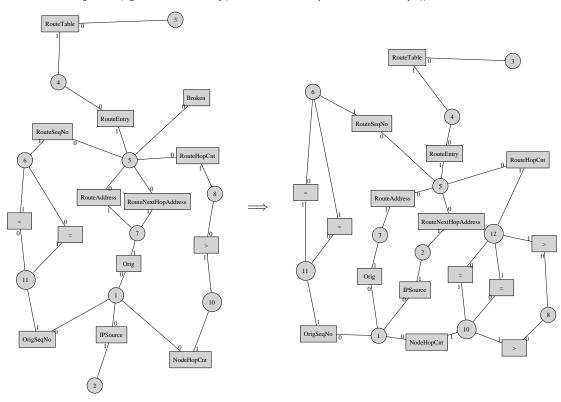


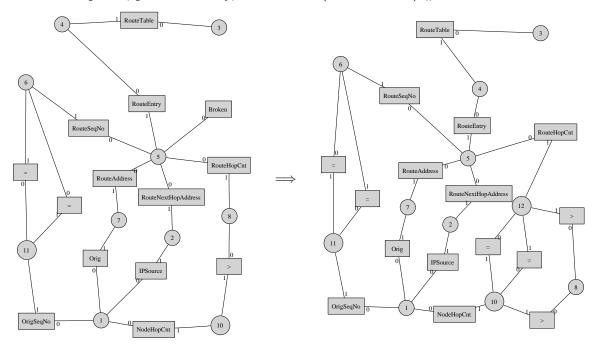


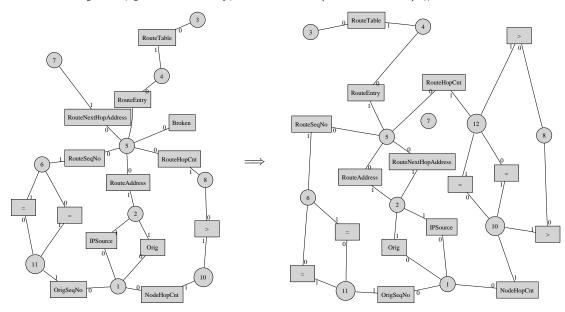


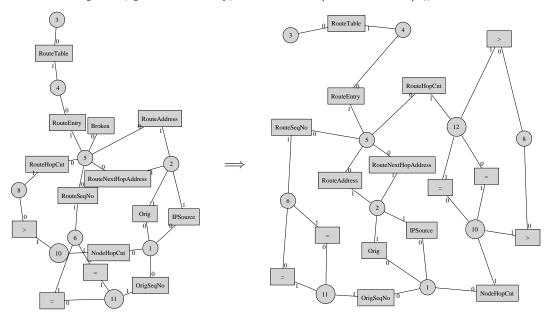


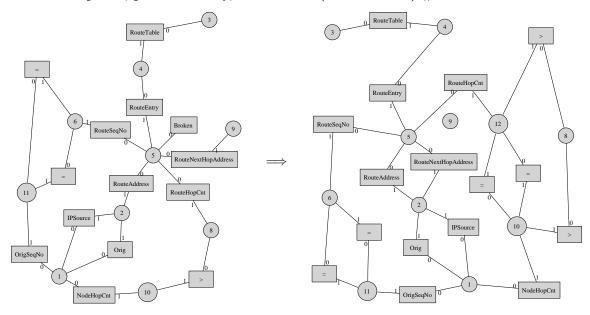


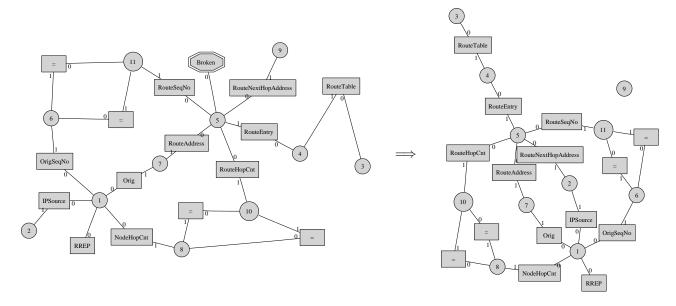


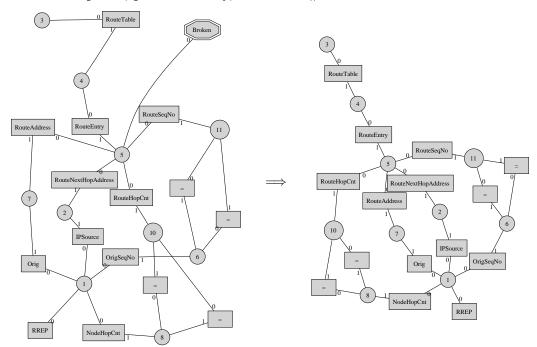


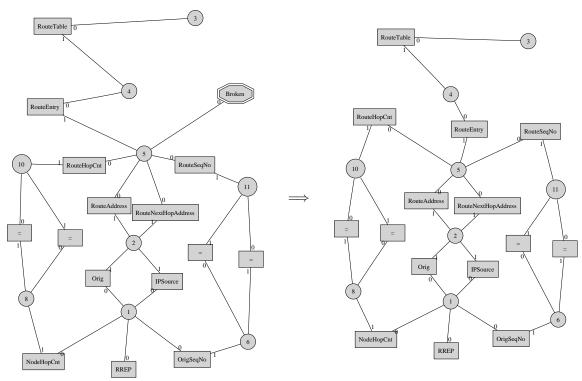


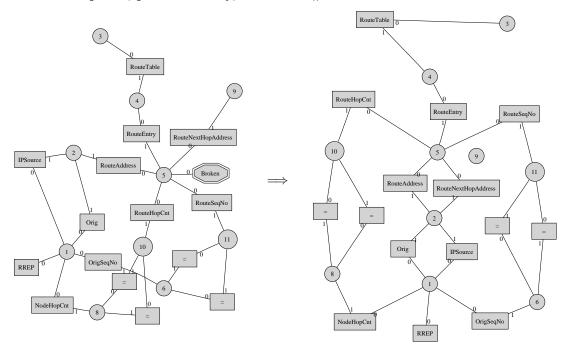


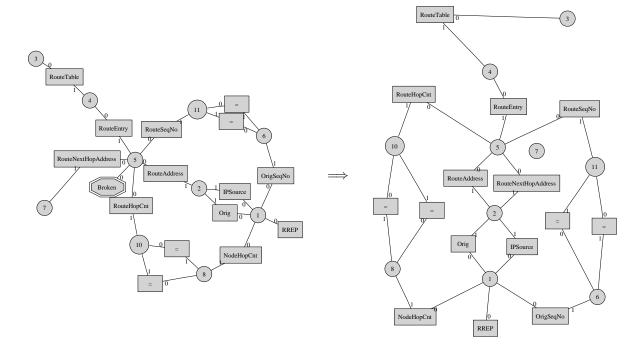


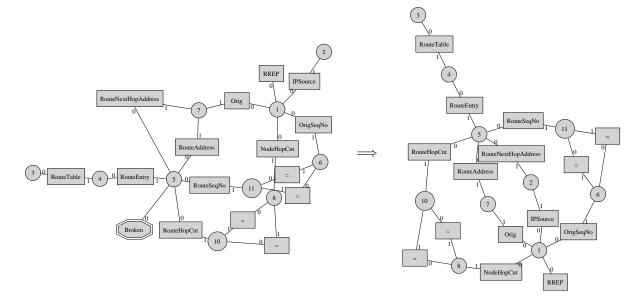


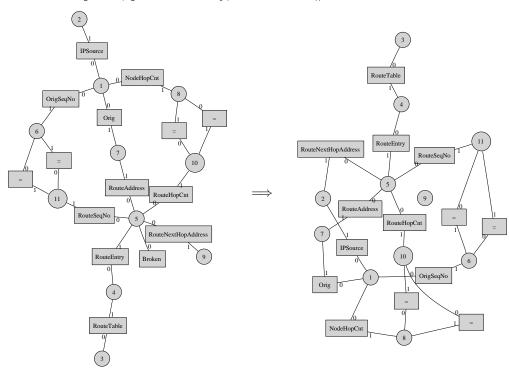


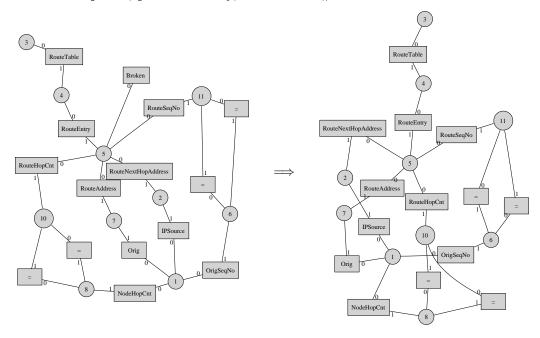


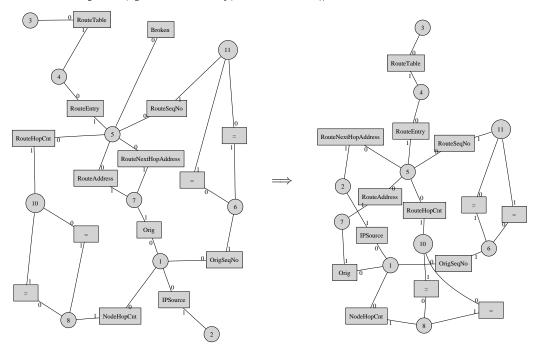


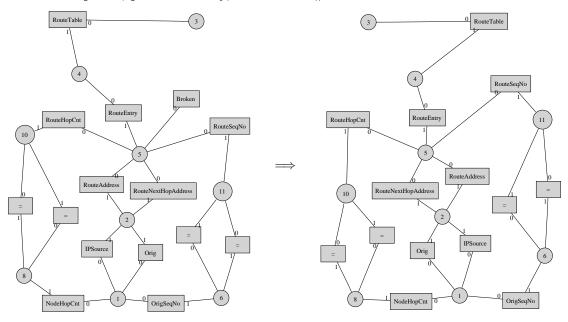


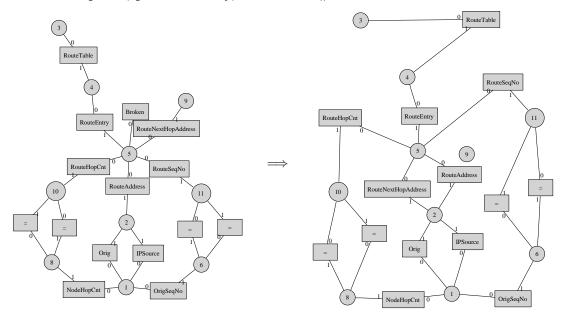


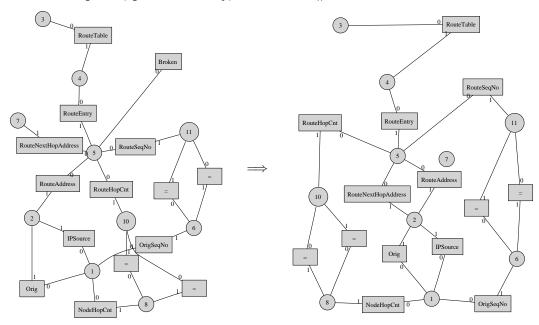




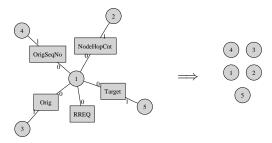




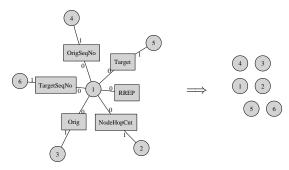




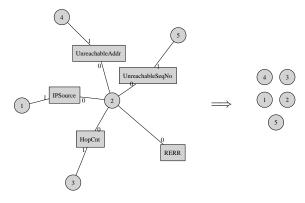
RREQ dropping rule



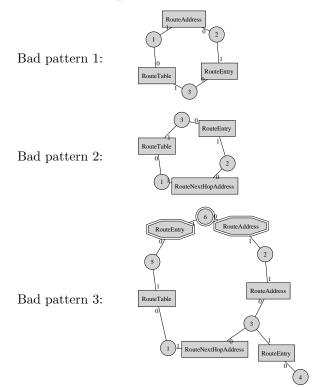
RREP dropping rule

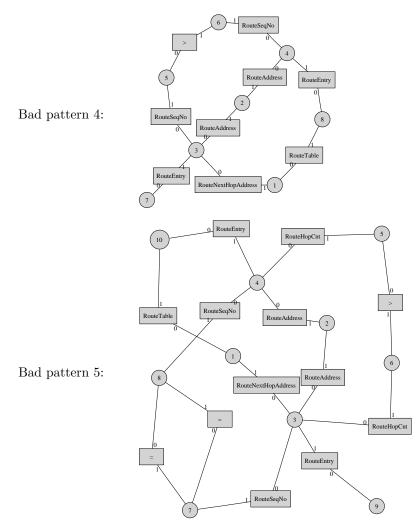


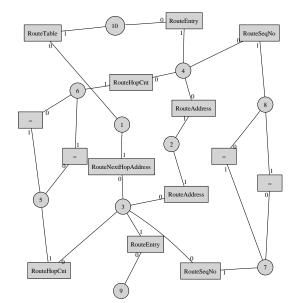
RERR dropping rule



Undesirable patterns







Bad pattern 6: