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(54) Title: DETERMINING NETWORK RELIABILITY USING MESSAGE SUCCESS RATES

(57) Abstract: Techniques for evaluating connections between nodes in a mesh network include a first node listening across a plurality of listening windows for one or more messages transmitted by a second node during a time period; determining a number of messages received by the first node during the time period; computing, based on the number of messages received, a received message success rate associated with a connection between the first node and the second node, wherein the received message success rate indicates a probability of successfully receiving, at the first node, messages transmitted by the second node via the connection; and computing, based on at least one message received during the time period, a transmitted message success rate associated with the connection, wherein the transmitted message success rate indicates a probability of successfully transmitting messages from the first node to the second node via the connection.



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