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

(57) Abstract: Techniques for evaluating connections between nodes include computing a second accumulated uplink message success rate based on a first accumulated uplink message success rate and a second accumulated downlink message success rate based on a first accumulated downlink message success rate. The first accumulated uplink message success rate indicates a probability of successfully transmitting messages from a second node to a target destination and the second accumulated uplink message success rate indicates a probability of successfully transmitting messages from the first node to the target destination via a direct connection from the first node to the second node. The first accumulated downlink message success rate indicates a probability of successfully receiving messages transmitted by the target destination at the second node and the second accumulated downlink message success rate indicates a probability of successfully receiving messages transmitted by the target destination at the first node via the direct connection.



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