

Problem of the week #8:

Given - Mar. 19, 2003; Due - Mar. 27, 2003 (in class).

Consider the P2P protocol discussed in class. Recall the "Reconnect rule" which is probabilistic: if a node's non-preferred connection is lost then it reconnects to a random cache node with probability $D/d(v)$.

Suppose we change the rule so that whenever a node loses a connection it will always reconnects (to a random cache node).

Analyze the consequences of the above reconnect rule.