Exercise for the lecture

Distributed Storage and Computer Forensic

Winter 2011/12

Sheet 9

EXERCISE 9:

Consider peers with the following identification bits:

0023
0113
0133
0322
1002
1010
1132
1223
2000
2112
2210
2231

1. Illustrate the Pastry network with $M = \emptyset$ (no RTT/proximitry considered) and $l = 4$ for $b = 2$. Do so by specifying the neighborhood of the nodes 0023, 1132, and 2210.

2. Insert a new node with id 3131 to the network. Update the neighborhood of the nodes you considered in the above task and give the neighbored nodes for the new node. Assume that the new node contacted node 0023 to join the network.