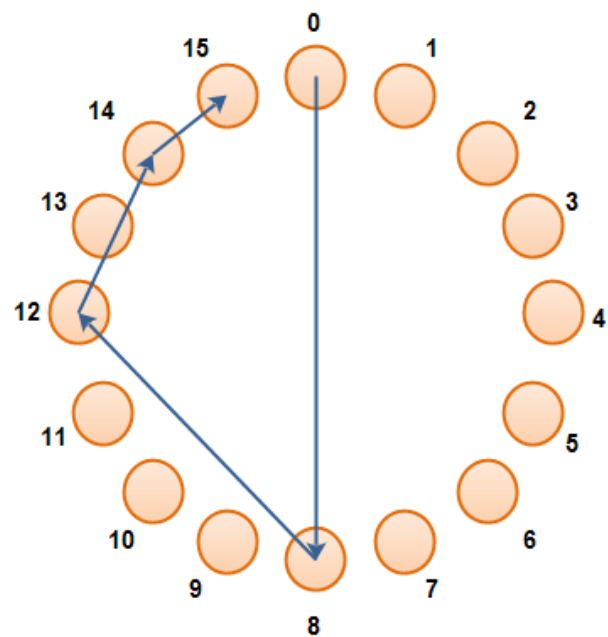
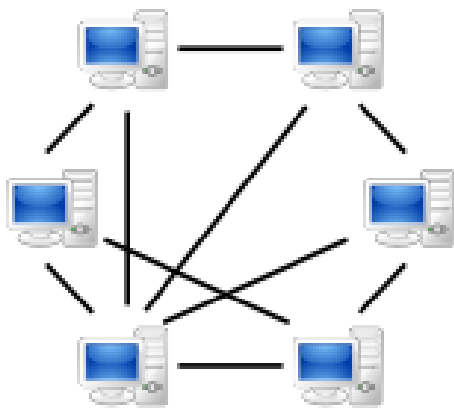


Java Simulation Model for Kademia

- Language: German or English
- Prerequisites:
 - Networking technology
 - Java programming, C/C++ programming
 - Beneficial: knowledge about the OMNeT++ network simulator
- Tasks:
 - Implementation of a Java simulation model for the peer-to-peer Protocol Kademia using the Java extensions for OMNeT++
 - Evaluation of the functionality in networks of different sizes
- Literature:
 - Brunner, R., & Biersack, E. (2006). A performance evaluation of the Kad-protocol. *Institut Eurecom, France.*
 - Puttnies, H., Danielis, P., Thiele, L., & Timmermann, D. (2018). jUDPWrapper: A Lightweight Approach to Access the OMNeT++/INET UDP Functionality from Java. In *Proceedings of the 5th International* (Vol. 56, pp. 1-10).
- Contact: henning.puttnies@uni-rostock.de



<https://en.wikipedia.org/wiki/Peer-to-peer>

<http://tutorials.jenkov.com/p2p/finding-peers.html>