Distributed Systems
Exercise
Spin Lock-Queue

- Queue using one shared integer:

![Diagram showing a queue with Head and Tail sections, labeled 16 Bit and 32 Bit respectively.]}
Spin Lock-Queue

• Queue:
  • Get a ticket ...
  • ... wait ...
  • ... until your ticket is called
Bus & Cache

- Check your solution with the application
  - Simulation.java, on the web
  - Line 31: set the random sequence
Exam

- Q&A session
  - 21. Jan 2010, 10:00-11:00, ETZ F78.1
  - Send questions per mail!
Exam

• You should **at least** be able:
  • Given the name of a protocol:
    – Write down the general idea
    – Write down advantages/disadvantages
    – Pseudo-code: only most interesting parts
  • Given some code:
    – Explain what it does
    – Compare with protocols from the lecture
    – Reason about correctness (e.g. find a counter example)
Exam

• It's also good if you can...
  • Given some system and some problem:
    – Select the protocols best fitted for solving the problem
    – Explain your selection

• Finally
  • Always write down what you are thinking!
  • Always write down assumptions!
  • .... and write readable!!!