

4. Übung, WS 2012/13  
Zuverlässige Systeme/ Dependable Systems  
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**Assignment 1. Byzantine Failures.**

In a system with five nodes, where one node is faulty, list the sequence of messages sent and received by the faulty node and one non-faulty node for the Interactive Consistency Algorithm ICA.

**Assignment 2. Clock Synchronisation**

Suppose that the clocks in the system are not dual-faced, but may be faulty in that they may show incorrect times. Design a deterministic clock synchronisation algorithm for this system. State the assumptions clearly.