

Advanced Distributed Algorithms and Data Structures

WS 2016

Homework Assignment 7

Problem 1:

- a) Prove the exercise on slide 28 of Chapter 7 under the assumption that the probability of an escape attempt to be successful holds independently of prior escape attempts.
- b) Prove Lemma 7.4 (see slide 36 of Chapter 7).

Problem 2:

Implement and test the Consensus pseudo-code given on slide 39 of Chapter 7 in the programming environment provided by the course. (Instead of a local enable-threshold for each subject, one may just use a sufficiently large, fixed global threshold for all subjects.)