Homework Assignment 6, Part a

Due: Thursday, December 6, 2001, in class (Yes, you have three weeks for this one !).

Reading:

Chapter 17,19

Basic Problems:

1. Describe a generalization of the $MajorityVotingObject$ algorithm that allows each *read* operation to access a *read quorum* of copies instead of the majority of copies, and each *write* operation to access a *write quorum* of copies. Read and write quorums do not have to be strict majorities, what conditions do they need to satisfy? Argue correctness of your algorithm.

2. Exercise 17.9.

3. Exercise 19.1.

Regular Problems:

4. Exercise 13.24

5. Exercise 17.10.

6. Exercise 19.10.