

CSE 451
Problem Set #4

Due: 5pm, Friday, December 7, 2012

The problem numbers refer to OSPP, version 0.4.

1. Chapter 12, problem 6. Assume one platter with two disk heads, and we only need your result accurate to 1%.
2. Chapter 13, problem 3
3. Chapter 14, problem 2. When is it safe to release a read-only lock in a transaction? Before other (read/write) locks in the same transaction are acquired? After all locks are acquired, but before the transaction commits? Only after the transaction commits? By safe, we mean: transactions remain serializable. Justify your answer.
4. Chapter 14, problem 7