

Homework 5

Due Date: Tuesday, June 7, 2005

Points: 100

Some questions ask you to justify statements made in proofs, or to prove statements. Please make your justifications rigorous rather than justifying what is happening at a high level.

1. (10 points) Text, section 9.8, exercise 2. You are to use the statistical method shown in the example on pp. 220–221. Is the most likely key the correct one?
2. (20 points) Text, section 9.8, exercise 12
3. (20 points) Text, section 9.8, exercise 22
4. (10 points) Text, section 15.9, exercise 6
5. (10 points) Text, section 18.6, exercise 6
6. (10 points) Text, section 24.11, exercise 2
7. (20 points) Text, section 24.11, exercise 9