

Homework 1

April 16, 2012

Exercises:

1. In how many ways can you order letters
 - (a) ABCDEF ?
 - (b) AABCDE ?
 - (c) AABBBC ?
 - (d) MAASTRICHT ?
 - (e) MISSISSIPPI? (Thms 2.6 and 2.7)
2. In how many ways can you divide 7 apples among 4 kids (both ordered and unordered)?
3. Book (pp. 51-52): Exercises 2.32, 2.42
4. Book (pp. 43): Exercises 2.16
5. Book (pp. 60): Exercise 2.58

Solutions have to be brought to the lecture on April 16.