

22C: 019 Homework 6

Total Points= 40(4% of your grade)

Assigned 4/25/14 due 5/2/14 11:59 PM

Submit your work through ICON

(Please convert your solution to pdf before submission. Otherwise, some of the mathematical symbols become unreadable on a different machine, and lead to confusion. There are many free pdf converters available on the web)

There are six questions and 14 problems. Please note that we will grade **only eight** of these 16 problems. This subset will be chosen arbitrarily, and will be the same for every student.

Question 1. Page 524: problems 4(a), 4(e), 8(a), 8(b)

Question 2. Page 581: problems 4(a), 4(d), 6(d), 6(f)

Question 3. Page 590: problems 12, 16

Question 4. Page 615: problems 2(c) (d)

Question 5. Page 665: problem 18 (Hint: Use pigeonhole principle)

Question 6. Page 667: problem 40

Note 1. *At the end of the textbook, you can find the solutions to odd numbered exercises. These will help you in answering some of the exercises in this homework.*

Note 2. Homework solutions must be your own. You can discuss a problem with another student for the sake of understanding it, but do not discuss your solution. Take the help of the TAs whenever necessary.