Institut for Matematik og Datalogi
Syddansk Universitet

March 16, 2015
JFB

DM553 – Complexity and Computability – 2015
Lecture 9

Lecture, March 10

We finished chapter 4 and began on chapter 5, introducing mapping reductions from section 5.3. We also did problems 4.7 and 4.8 on page 211 of the textbook during lecture.

Lecture, March 17

We will finish chapter 5, skipping the last part of section 5.1, having to do with reductions via computation histories.

Lecture, April 8

We will begin on NP-Completeness, starting with section 7.3 in Sipser's book, introducing definitions and shwoing that 3-SAT and CLIQUE are NP-Complete. Note that some of this is also in chapter 34 in the CLRS book.

Problems to be discussed in U142 on March 24

1. Page 239: 5.3, 5.4, 5.5, 5.9, 5.10, 5.11

2. Page 240: 5.16, 5.18