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 showing 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