

DM553 – Complexity and Computability – 2015

Lecture 4

Lecture, February 9

We finished section 1.3 and almost finished section 1.4.

Lecture, February 13

We will do one more example of using the pumping lemma for regular languages. We will cover section 2.1 and begin on section 2.2.

Lecture, February 16

We will cover section 2.2 and 2.3. We will skip the remainder of chapter 2.

Problems to be discussed in U142 on February 20

1. Page 155: 2.4c,e.
2. Page 155: 2.9 — also change your grammar to Chomsky Normal Form.
3. Page 155: 2.10.
4. Pages 156–158: 2.18, 2.30a, 2.31, 2.32.
5. Page 158: 2.33 — also change your grammar to Chomsky Normal Form.