Homework 1 — Introduction and Mathematical Tools

Sections in CLRS: pp 5–61, 1058–1069, 62–75, 1080–1093. Appendix B.1–B.3 should already be familiar to you—repeat if necessary.

Exercises:

pp 13 1.2–3

pp 21 2.1–3 (but not the part about correctness)

pp 27 2.2–1, 2.2–3, 2.2–4

pp 37 2.3–3, 2.3–7

pp 50 3.1–1, 3.1–3, 3.1–4

pp 57 3–1 a och c, 3.3 (optional), 3.4

pp 1062 A.1–1, A.1–7

pp 1067 A.2–1

pp 67 4.1–1, 4.1–2, 4.1–6

pp 72 4.2–3, 4.2–4

pp 75 4.3–1, 4.3–2

pp 85 4.1

pp 1091 B.5–3, B.5–4

pp 1092 B–2 a

Hints:

- Start early, some problems have many subproblems.

- If you have extra time you may want to look at other problems.