

CS 40 (Fall 2015) – Foundations of Computer Science
Due at 4:00pm, Friday, Nov. 13th

Homework 5

Instructor: Huijia Lin

TA: Abhabongse (Plane) Janthong, Shiyu Ji

Your name and section go here

Total 140 pts

Part 1 — Basic Proof Techniques (80 pts)

Problems 7, 11, 17 in Section 1.7 in the textbook.

Problems 9, 33, 37 in Section 1.8 in the textbook.

Point assignment: Problem 9 and 37 in Section 1.8 have 20 pts each and all other problems have 10 pts.

Part 2 — Induction (60pts)

Problems 3, 43, 49 Section 5.1 in the textbook.

Point assignment: Problem 3 has 20 pts, Problem 43 has 30 pts, and 49 has 10 pts.