Submissions: This assignment is due on the 28th of September, 2021. Please note:

1. Each student must submit his or her own assignment.

2. Solutions must be hand-written or typed on a computer and printed onto paper, and then handed to me during class.

3. You must write your name and UUID clearly on your submitted assignment.

Academic Integrity: You are encouraged to work in groups, but everyone must write out their own solutions. Absolutely no word to word copying is allowed. If you have worked with other students on the assignment or referred to external sources, please mention all names and sources on your assignment.

Partial solutions: Document your efforts at solving a problem even if you cannot solve it. Write why your approach failed.

Problem 1 [25 pts]: Problem 3.7 (a) from DPV. (We looked at the other parts in class. However, do not assume the results of parts (b,c) for part (a).)

Problem 2 [25 pts]: Problem 3.18 from DPV.

Problem 3 [25 pts]: Problem 3.23 from DPV.

Problem 4 [25 pts]: Problem 3.25 from DPV.