
Submissions: This assignment is due in class on Tuesday February 13th, 2018. Each student must submit his or her own assignment. Solutions can either be typed in Latex, MSWord or other such word processing software, or printed clearly. 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. Please refer to the course policies and schedules about this. 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: If you are sure that you know how to arrive at a solution, but you get stuck in some place, it is better to write the partial solution. Honest attempts at partial solutions will be awarded.

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Problem 1 [20 pts]: Solve Problem 40 from the Exercises in Sec 2.2 of the book. For the definition of symmetric difference of sets look back to Problem 32.

Problem 2 [10 pts]: Problem 50 from the Exercises in Sec 2.2.

Problem 3 [20 pts]: Problem 34 from the Exercises in Sec 2.3.

Problem 4 [20 pts]: Problem 74 from the Exercises in Sec 2.3.

Problem 5 [10 pts]: Problem 36 from the Exercises in Sec 2.4.

Problem 6 [20 pts]: Problem 14 from the Exercises in Sec 2.6.