

**Problem Set 5**  
CPSC 311 Analysis of Algorithms  
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**The assignment is due next Wednesday, October 26, before class.**

Solve the following exercises from the textbook; note that the book distinguishes between problems and exercises.

- Read Chapter 15
- Exercise 15.2-1
- Exercise 15.2-3
- Exercise 15.2-4
- Exercise 15.4-1
- Exercise 15.4-5
- Problem 15-2 (I suggest that you implement your solution)

Make sure that you structure your answers well. Please typeset your solutions in  $\text{\LaTeX}$  or turn in a neatly written solution.