0. Read and understand Section 4.6.2, and the proof of Theorem 4.14. (0 points)
1. Exercise 4.1. (5 points)
2. Exercise 4.4. (15 points)
3. Exercise 4.9. (10 points)
4. Exercise 4.10. (You need to read Section 4.6.2 for this problem.) (10 points)
5. Exercise 4.12. (5 points)