

Homework 2

(1) = essential, (2) = important insight, (3) = more challenging, (C) = code available

1. 7.1-1 (1C)
2. 7.1-2 (2)
3. 7.2-2 (2)
4. 8.2-1 (1)
5. 8.3-1 (1)
6. (10.3-1, 3rd) (1) DROPPED!
7. (10.3-2, 3rd) (1) DROPPED!
8. (10.4-1, 3rd) (1) DROPPED!
9. (10.4-4, 3rd) 10.3-4 (2)
10. 10-1 (1)
11. 12.2-1 (1)
12. (12.3-4, 3rd) 12.3-5 (2)
13. (13.1-1, 3rd) (1) DROPPED!
14. (13.1-5, 3rd) (2) DROPPED!
15. 13.2-3 (2C)
16. (13.3-2, 3rd) (1) DROPPED!
17. Show the red-black trees that result after successively inserting the keys 5, 10, 15, 25, 20, 30 into an initially empty red-black tree. (1) DROPPED!
18. 11.2-2 (1)
19. 11.3-1 (2)
20. 11.4-1 (1)
21. 11.4-3 (1)