

CSCI 1323 (Discrete Structures), Spring 2006

Homework 7

Assigned: March 29, 2006.

Due: April 7, 2006, at 5pm.

Credit: 20 points.

1 Problems

Do the following problems. You do not need to turn in answers for the ones marked “Not to turn in”. Most such problems will be those for which the textbook provides an answer in the back of the book, so you can check your work.

If you are covered by the Academic Honor Code, treat this assignment as pledged work (writing “pledged” and your name on what you turn in).

1. (Not to turn in.) Do problem 11, parts (a) through (f), on p. 179 of the textbook.
2. (Not to turn in.) Do problem 22 on p. 181 of the textbook.
3. (Not to turn in.) Do problem 38, parts (a) through (c) and (h), on p. 182 of the textbook.
4. (5 points) Do problem 38, all unstarred parts (i.e., all parts except the ones done in the preceding problem), on p. 182 of the textbook. *Also* find $\mathcal{P}(C)$.
5. (Not to turn in.) Do problem 11 on p. 197 of the textbook.
6. (3 points) Do problem 20 on p. 198 of the textbook.
7. (Not to turn in.) Do problem 25 on p. 198 of the textbook.
8. (Not to turn in.) Do problem 30 on p. 198 of the textbook.
9. (3 points) Do problem 42 on p. 199 of the textbook.
10. (Not to turn in.) Do problem 63 on p. 200 of the textbook.
11. (Not to turn in.) Do problem 70 on p. 200 of the textbook.
12. (3 points) Do problem 69 on p. 200 of the textbook.
13. (Not to turn in.) Do problem 8 on p. 208 of the textbook.
14. (3 points) Do problem 9 on p. 208 of the textbook.
15. (Not to turn in.) Do problem 14 on p. 208 of the textbook.
16. (3 points) Do problem 18 on p. 209 of the textbook.