

CSCI 2321 (Principles of Computer Design), Spring 2004

Homework 7

Assigned: April 19, 2004.

Due: April 26, 2004, at 5pm.

Credit: 20 points.

1 (Optional) figures to print

Some of the problems ask you to modify figures from the textbook, or ask you to trace through execution of instructions using one of the figures. For these problems you may find it useful to print a copy of the figure. To save you the trouble of photocopying the relevant figures or finding them on the authors' Web site, here are they are in your choice of printable formats. All figures below are copyrighted¹.

- Figure 5.33, [PDF](#)² or [PostScript](#)³.
- Figure 5.42, [PDF](#)⁴ or [PostScript](#)⁵.

2 Problems

Do the following problems. You may write out your answers by hand or using a word processor or other program, but please submit hard copy, either in class or in my mailbox in the department office.

1. (10 points) Do problem 5.15 on p. 429 of the textbook. (See Section 1 above if you want to print copies of the relevant figures.)
2. (10 points) Do problem 5.17 on p. 429 of the textbook. (See Section 1 above if you want to print copies of the relevant figures.)

¹COPYRIGHT 1998 MORGAN KAUFMANN PUBLISHERS, INC. ALL RIGHTS RESERVED.

²http://www.cs.trinity.edu/~bmassing/Classes/CS2321_2004spring/Homeworks/HW07/Problems/F0533.pdf

³http://www.cs.trinity.edu/~bmassing/Classes/CS2321_2004spring/Homeworks/HW07/Problems/F0533.ps

⁴http://www.cs.trinity.edu/~bmassing/Classes/CS2321_2004spring/Homeworks/HW07/Problems/F0542.pdf

⁵http://www.cs.trinity.edu/~bmassing/Classes/CS2321_2004spring/Homeworks/HW07/Problems/F0542.ps