

CS 231
Spring 2015
Homework #1

Due Wednesday, January 28

READ Chapter 1 (pp. 1-49) Focus on the material that was covered in class; the rest is for background and context

Sections 2.1 – 2.3.1 (pp. 57-61); Sections 3.1 – 3.4 (pp. 137 – 155)

DO pp. 53-54: 2, 13, 14

pp. 122 36bc, 37a

pp. 189-181 2, 4, 10, 14, 17bc, 18, 23, 24, 28, 37, 42ab

Do a Sum-of-Products Analysis for one segment (you pick which one) of a seven-segment display (only digits 0-7 are necessary for the display in this case), simplify the Boolean expression if possible, and draw the logic diagram. (This will make more sense after we cover the relevant material in class.)

Note: At the end of each chapter, just before the exercises, there is a short section titled “Review of Essential Terms and Concepts.” I strongly urge you to look at this section for each chapter that we cover, and be sure that you can answer any question that refers to any concept that we discussed in class or that was referenced in an assigned homework exercise.