

Homework 5 – Due Wednesday February 23

You may talk to one another, you may consult any textbook, and you may talk to me.

1. Read 3.5, 3.6, 4.1 of the Parker-Baldrige book, and for each section write down FIVE-to-TEN keywords or sentences, which taken together give a very short summary of the section.
2. Do the odd-number exercises from HW 14 on p. 81, from HW 15 on p. 85., from HW 16 on p. 95
3. List the first ten numbers in base 2. Then do the same but skip-counting by twos. Also skip-count by fours in base 16, until you have written ten numbers.
4. Base challenges: do the long division algorithm for $(1011)_2 \div (11)_2$ and $(3A)_{16} \div (3)_{16}$.
5. Parenthesis challenge (try this mentally, otherwise use paper-and-pencil and the standard algorithms, do not use a calculator under any circumstance). Show the steps.

$$\{[(7266 \div 173 + 2168) \div 170 + 1187] \div 40 + 139 \times 30\} \div 420 =$$