Assignment 1

12 September 2012

We will skip assignment 1, since I didn't have it ready in time. **However,** here are some practice questions you can try if you like.

1. What are the values of each of the columns for a 4-digit number in base 5?

2. Convert the following base 5 numbers into base 10.

    a. 342
    b. 214
    c. 1420

3. Convert the following base 10 numbers into base 5.

    a. 318
    b. 626
    c. 55

4. Convert the following base 10 numbers into binary (base 2).

    a. 37
    b. 55
    c. 14
    d. 63

5. Convert the following binary (base 2) numbers into base 10.

    a. 1011
    b. 10
    c. 1110
    d. 10101

6. Convert the following positive and negative base 10 numbers into 6-bit two's-complement binary (base 2).

    a. 29
    b. -32
    c. -17
    d. -1