CTI 110

P1HW1 Questions

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1. Write the binary versions of the numbers 0 through 7, in order (one per line)

0 = 0

1 = 1

2 = 10

3 = 11

4 = 100

5 = 101

6 = 110

7 = 111

2. Write the binary versions of the numbers 8 through 15, in order (one per line)

8 = 1000

9 = 1001

10 = 1010

11 = 1011

12 = 1100

13 = 1101

14 = 1110

15 = 1111

3. Convert the following decimal numbers to binary:

11 = 1011

65 = 1000001

100 = 1100100

255 = 11111111

4. Convert the following binary numbers to decimal:

1101 = 13

1000 = 8

101011 = 43