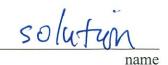
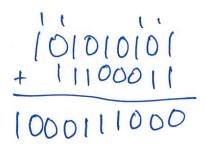
CSC4-151 Discrete Mathematics for Computer Science

Quiz 4 December 9, 2014



8 pts possible. Calculators are not allowed on this quiz.

1. (2 pts.) Add the binary numbers: 101010101 + 11100011. Show your work.



2. (6 pts.) a. Convert the following binary number to hexadecimal: 1011110110. Show your work.

2 F 6

b. Convert the following decimal number to binary: 75. Show your work.

75-64=11 11-8=3 3-2=1

1001011

c. Convert the following hexadecimal number to octal: $FA6_{hex}$. Show your work.

7 6 4 6