Isha Mudgal

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Homework 2

Due: Feb. 2, 10:00 PM

1. (3 points) List three logic instructions for x86_64 assembly.

AND JE CMP

2. (1 point) What x86_64 assembly instruction is used to perform an unconditional jump?

JMP

3. (1 point) What x86_64 assembly instruction is used to compare the contents of two registers?

CMP

4. (2 points) What is the two's complement of 000100112?

5. (2 points) What is the decimal value of the signed integer 111011012?

6. (3 points) Convert the octal number 2701₈ to binary, hexadecimal, and decimal.

Builty: 010111000001₈

decimal: 1024+25428+64+1 = 1473,0

hexadecinial: 5 C116

 $\frac{2003}{2}$ | $\frac{3}{2}$ | $\frac{1}{2}$ | \frac