CIS 351 Sample NR3 Problem Solutions

Mon 3rd Jan, 2022

NR3: Hexadecimal

When converting, go directly between binary and hexadecimal. Do not convert to decimal

- (a) Convert 43ca from hexadecimal to binary: 100001111001010 (Leading 0s are optional.)
- (b) Convert 111101011010010 from binary to hexadecimal: 7ad2 (Subscript is optional)
- (c) Write the six successive hexadecimal numbers by following the hexadecimal counting pattern. Do not convert to decimal or any other number base. Add notes to the right documenting your thought process. (You need only enough notes to convince me that you didn't just convert to base 10 on a scratch sheet of paper.)

0x5b9e

x + 1: _____