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CS 447 – Lab 2

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A.1: 65536 unique values

A.2: -32768 to 32767

A.3: 32 bits (4 bytes.. kinda weird for a word)

A.4: load upper immediate: loads the little-endian formatted base address of data into $1

load word: loads the data at the address in 0 from base address $1 into $8

A.5: 3C011001h (0011 1100 0000 0001 0001 0000 0000 0001b)

8C280000h (1000 1100 0010 1000 0000 0000 0000 0000b)

(lol I misread and converted them to binary)

B.1, B.2, B.3 are filled in jjs231\_lab2b.c

C.1 0x1001000 (address of x)

C.2 0x1001002 (address of y)

C.3 0x1001004

C.4 2752554

C.5 Can’t read y as a word. Fetch address not aligned on word boundary

C.6 Y is now 0