

Lab 1 Notes and Comments –

Part 1)

No problems encountered completing this part.

Part 2)

No problems encountered completing this part.

For step 10) Bypassing the load of the address of the beginning of the list to r4 (0x500) and manually setting to 0x504 removes the value **8** from the list, and now the highest number in the list is **6**.

Part 3)

In HEX, the instruction is **3a3ffb16**. The result is that the lowest value in the list is found, which is 1. The contents of memory location 0x500 is still **8**, but the contents of r7 is **1**.

Part 4)

I had a lot of trouble with this as I am not used to writing in assembler. Biggest issue was in thinking that I could add two values from memory, but I think (and this is the way that I did it) that I must *explicitly* load the values to a register and add the registers. Not sure why, but had thought it may be implemented as one of the pseudo-instructions, but tried it out before I read that part of the handbook. Eventually, got it working correctly.