

Lab 3 Notes and Comments –

Part 1)

No issues encountered in loading the provided program and running it.

1-7: Expect **5** consecutive 1's because of the ...F9...

The program confirms this guess is correct

Part 2) Machine code is: and r13, r8, r12 → 0x431a703a
 sra r8, r8, r13 → 0x4351e83a

After running the program the first time the values are:

r8 = 0x90abcdef r12 = 0x4

The **and** operation leaves r13 = 0100

The **sra** operation leaves r8 = 0x090abcdef

And there are still 4 consecutive 1's

The **srl** operation leaves r8 = 0x0abcdef0 and there are still 4 consecutive 1's

Part 3 etc.. I'm going to try to come back to this lab and finish it, but for now I'm loading this much as it may be all that I finish.