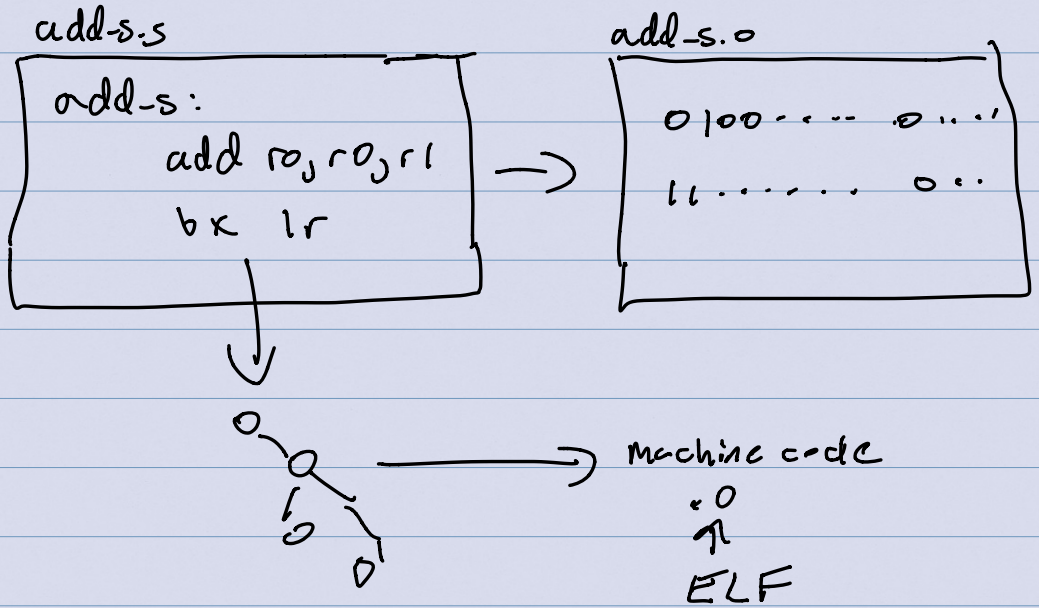
Project03 Grading — makeup points I want to set up to 50% back

Project04 - ARM Assembler

Instruction Set Formats ⟷ machine code

armasm

as/gas



Linux commands

file

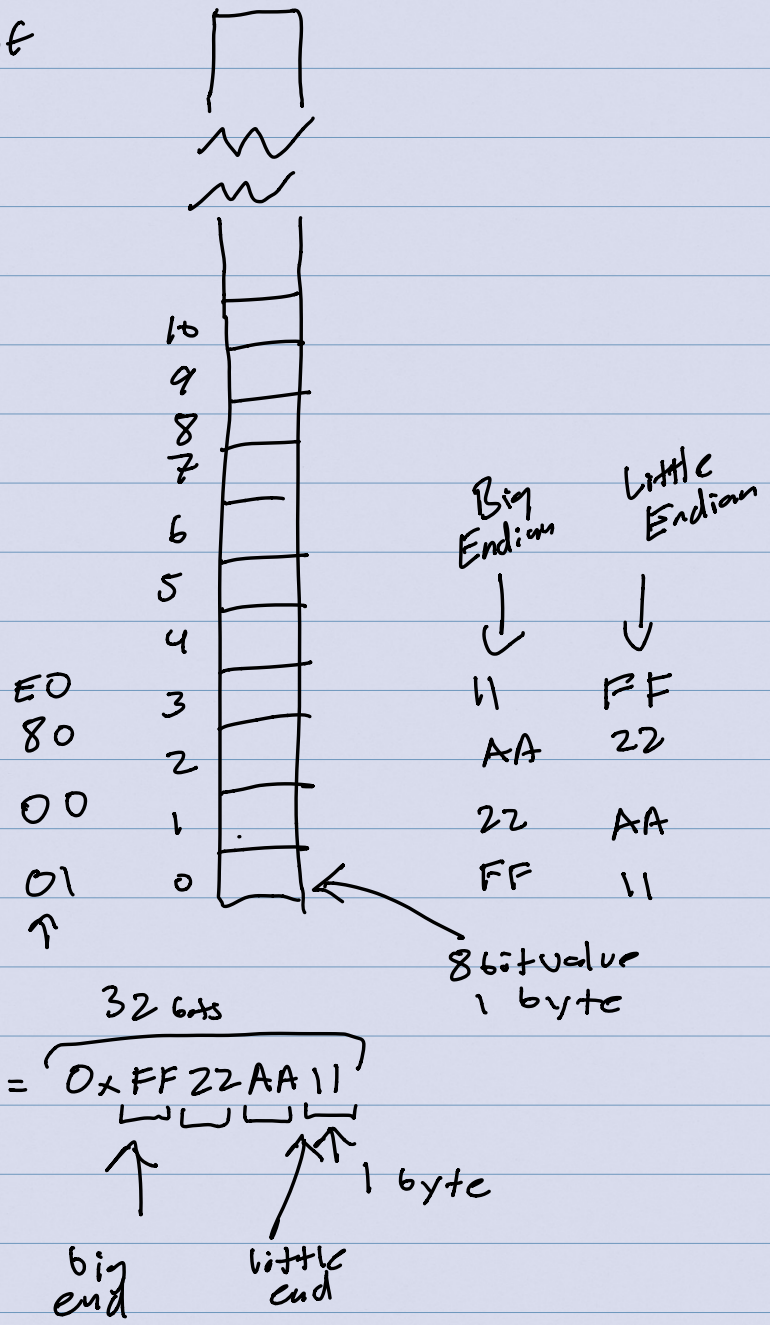
objdump objdump -D

ARM v7 Reference

gdb

Memory → byte addressable

Memory is array of bytes



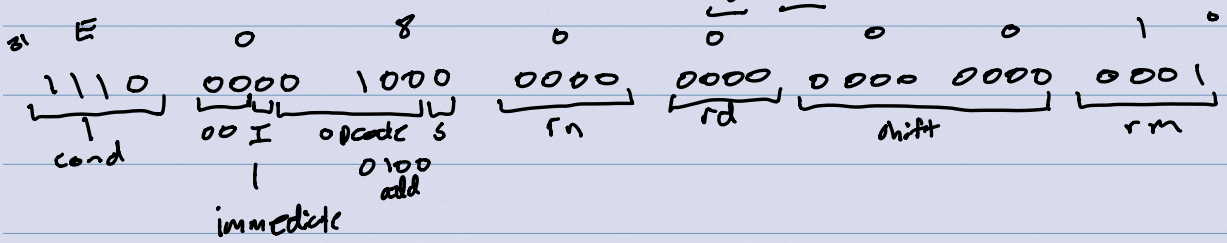
Byte ordering or byte order

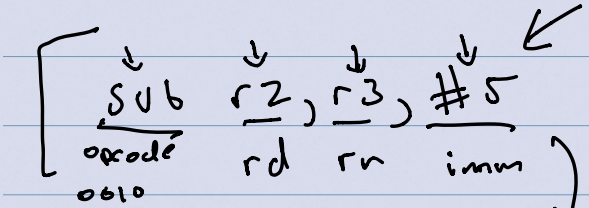
network byte order

ARM Instructions

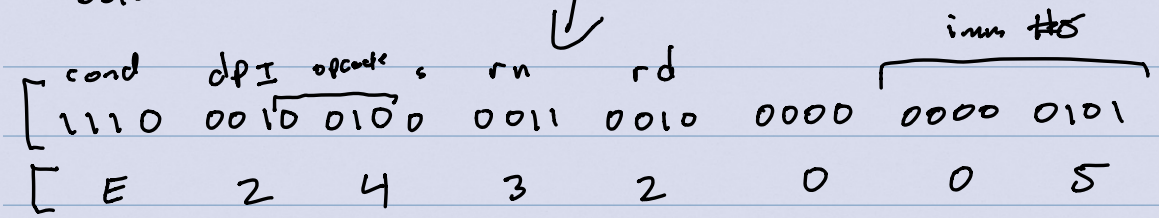
Data Processing — (add/sub)
Memory (ldr/str)
Control (Branches) — b, bl, beq ...
bx

0x E0 80 00 01 add r0, r0, r1





data processing

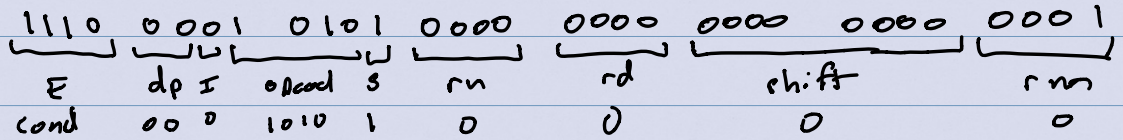


```
max2_5:
        cmp r0, r1      ←
        bge max2_end    ←
        mov r0, r1
max2_end:
        bx lr           ←
```

rn rm

cmp r0, r1

E150 0001



bx lr ← 14

E1 2F FF 1E