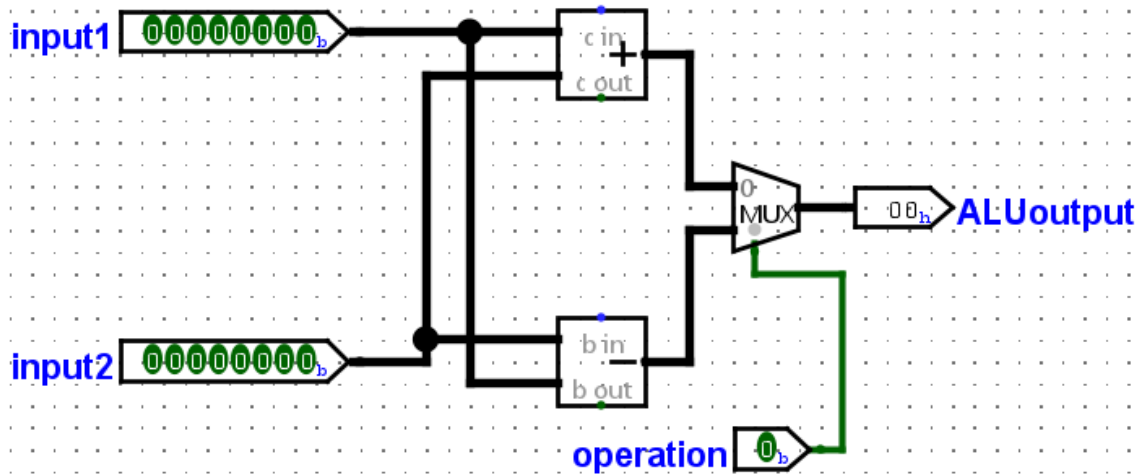


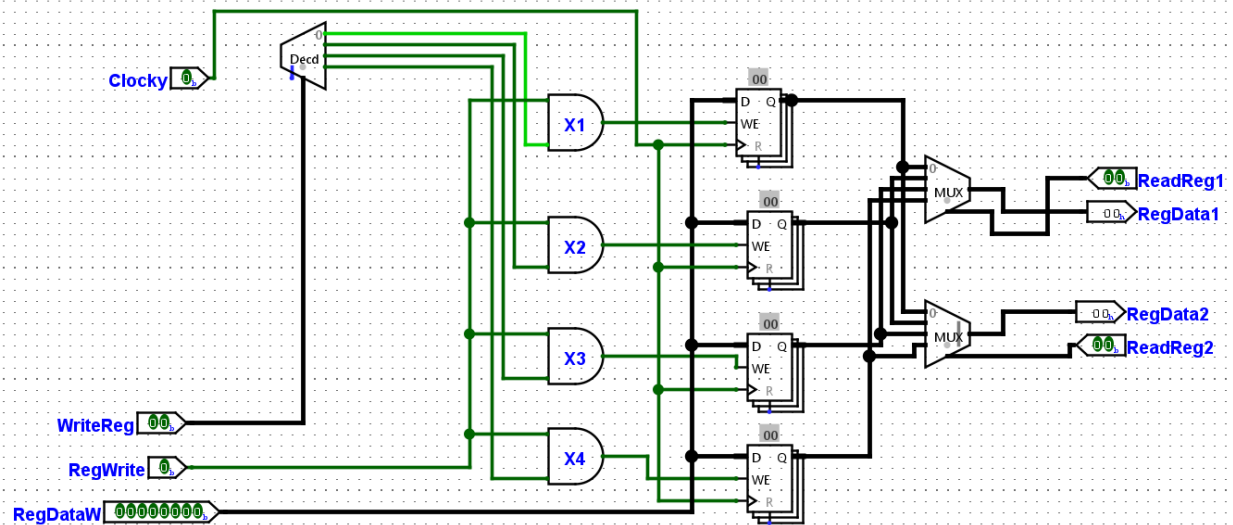
Arithmetic Logic Unit

Does the computations for Addition and Subtraction instructions



Register File

Holds the Read/Write Registers. There are four general purpose registers: X1, X2, X3, and X4

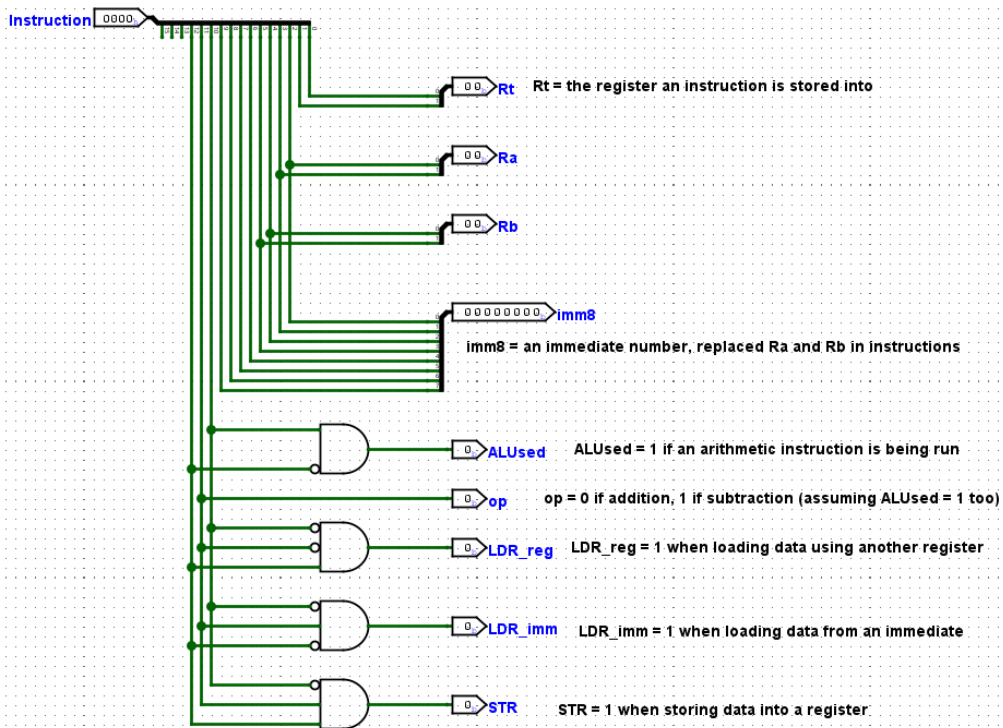


Control Unit

This translates the opcode into different outputs utilized by the CPU

- need 2 for second Reg
- need 2 for destination Reg
- need 8 for 8-bit imm
- need 1 for arithmetic (0 = add, 1 = sub)
- need 1 (mayb 2) for storing / loading

LDR/STR = address + register



Computer Processing Unit

