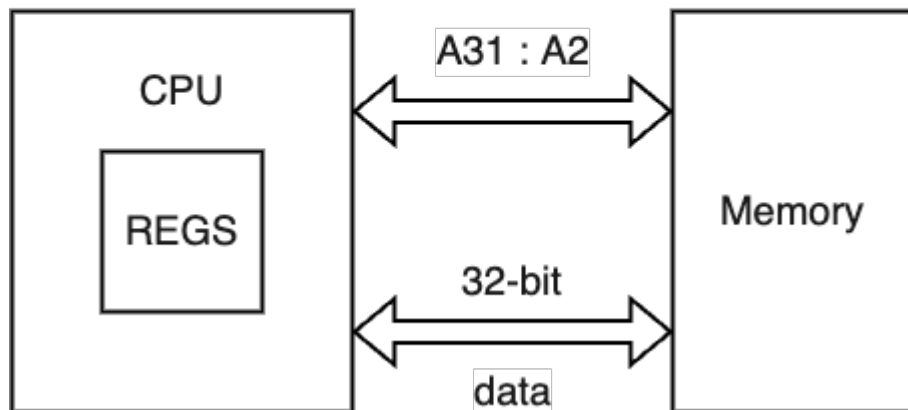


CPU Architecture Basics

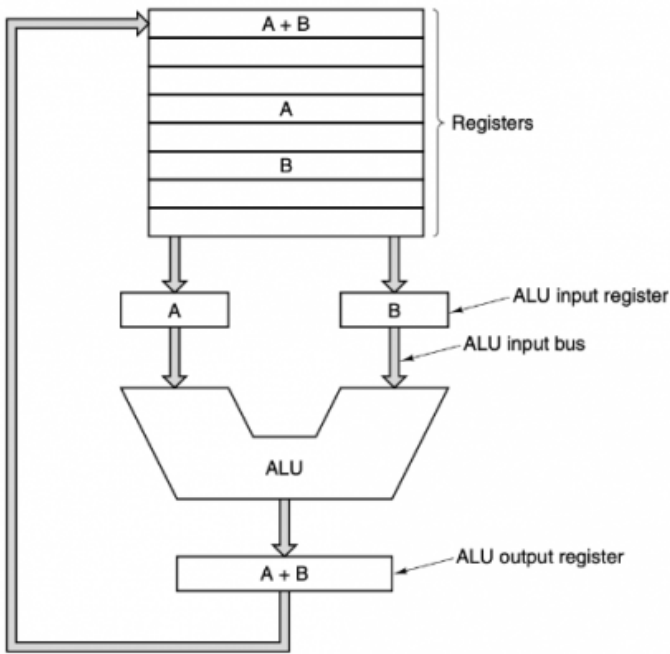
Physical layout depiction of a CPU:

LOAD R0, &variable



Note the following:

- CPU (ALU) is only connected to Registers
- Registers are connected to memory
- CPU can process an instruction to add to numbers but this operation can only be applied to registers
 - We cannot apply mathematical operations on the memory itself



add r0, r1, r2 # r0 = r1+r2
 add C, A, B

Registers

- Purpose of Registers

Revision #2

Created 3 years ago by [Preet Kang](#)

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