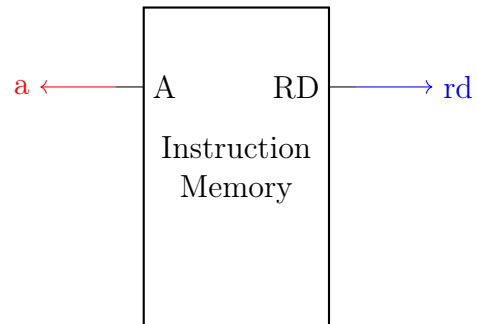


RISC-V Processor Circuit*TikZ* Library

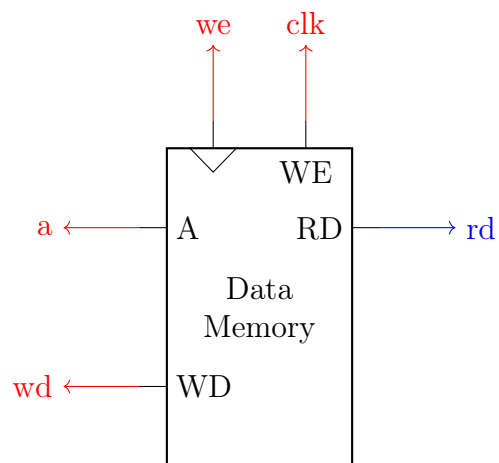
March 10, 2025

1 Components

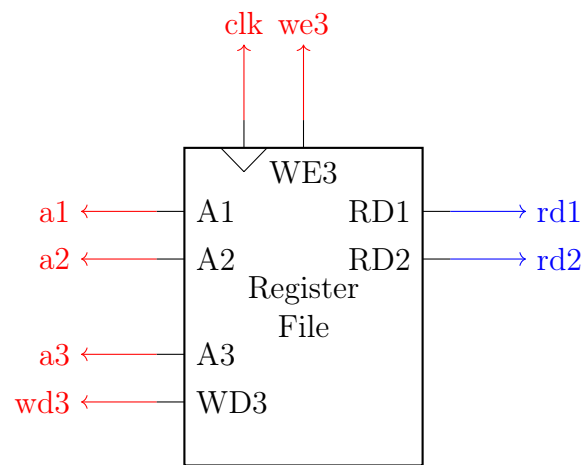
1.1 Instruction Memory



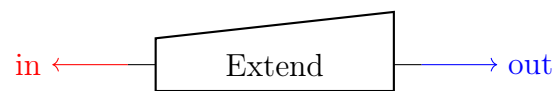
1.2 Data Memory



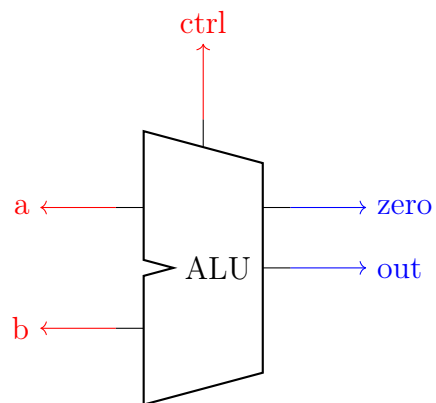
1.3 Register File



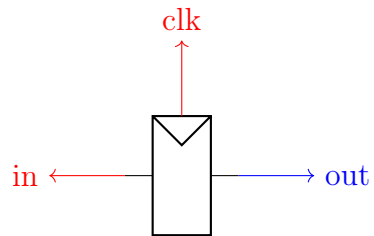
1.4 Extend Unit



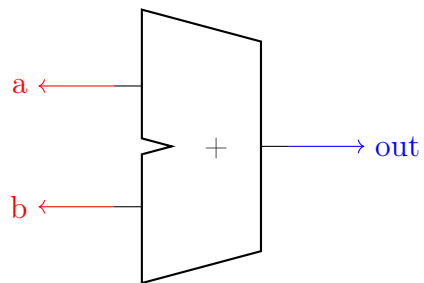
1.5 Arithmetic Logic Unit



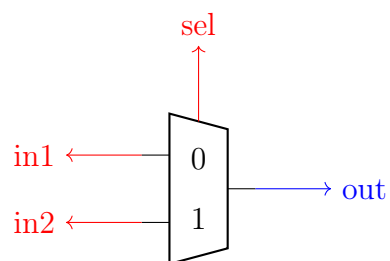
1.6 Register



1.7 Adder



1.8 Multiplexer



1.9 Single-Cycle

Control

Unit

