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- ▶ In practice the three functional micro-ops are implemented in one compact circuit, the Function Unit, composed of the ALU and Shifter.
- ► Data for this Functional Unit comes from a physical adjacent Register file, with dual MUX-busses able to supply two operands per clock cycle.
- ▶ Since the register file is itself modest in size typically 8-32 register, there must be provision to send and receive data to/from the main memory system via DATA IN and DATA OUT.

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