







Register File Implementation 1/2 (read)

- Implementation of two register read ports for a 32-bit wide register file
- 'read register' signal used as the multiplexor selector signal.



Register File Implementation 2/2 (write)

- Decoder used together with the write signal to determine which register to write.
- All three inputs will have set-up and hold-time constraints.



Revision

The following block-diagram demonstrates the branch instruction processing. Explain what do 'Sign-extend' and 'Shift left 2' perform.



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