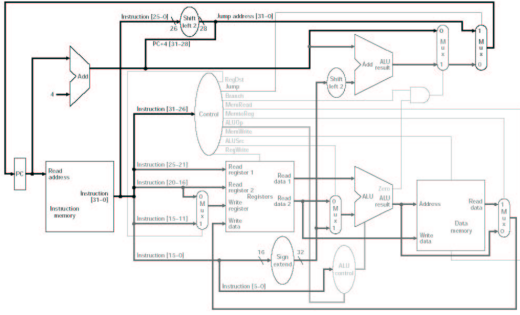


The Single Cycle Datapath



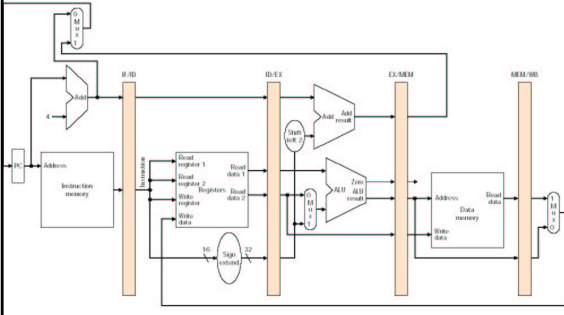
Pipelining

3-31-2003

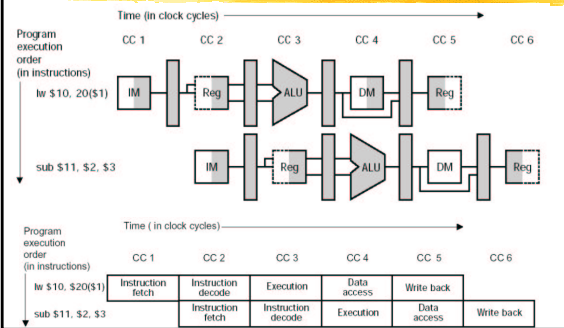
Opening Discussion

- Do you have any questions about the quiz?
- What did we talk about last class?
- Have you seen anything interesting in the news?
- If multicycle is so much better than single cycle then why does single cycle exist?

A Pipelined Datapath



Graphical Representation



Minute Essay

- How does pipelining allow us to maintain a high clock speed and a high CPI?
