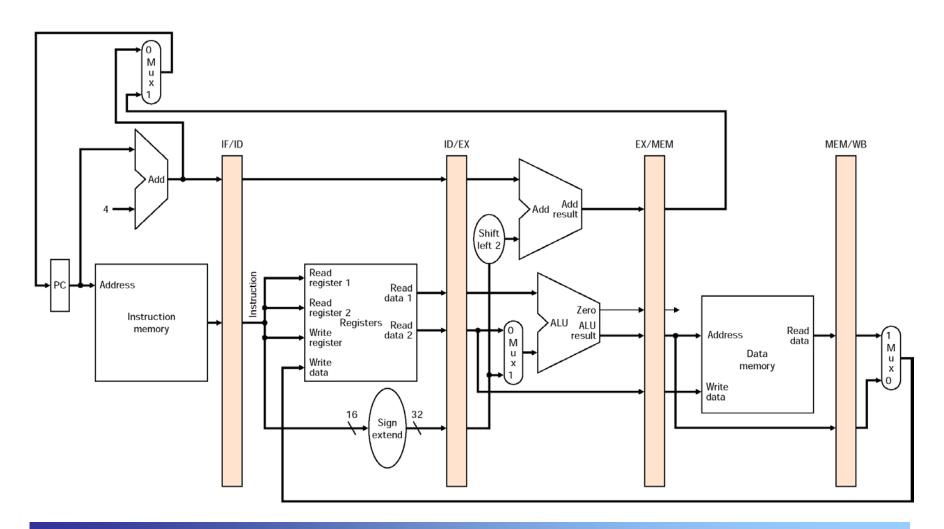
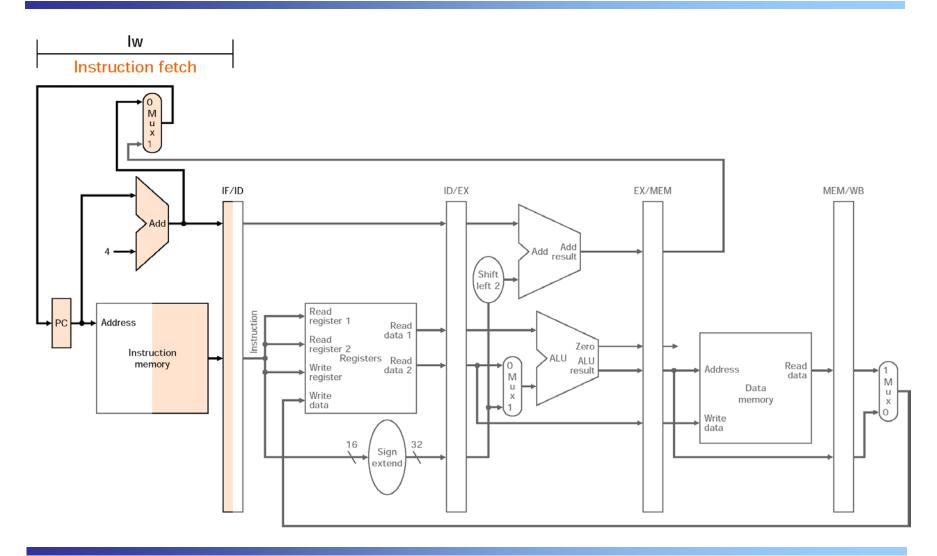
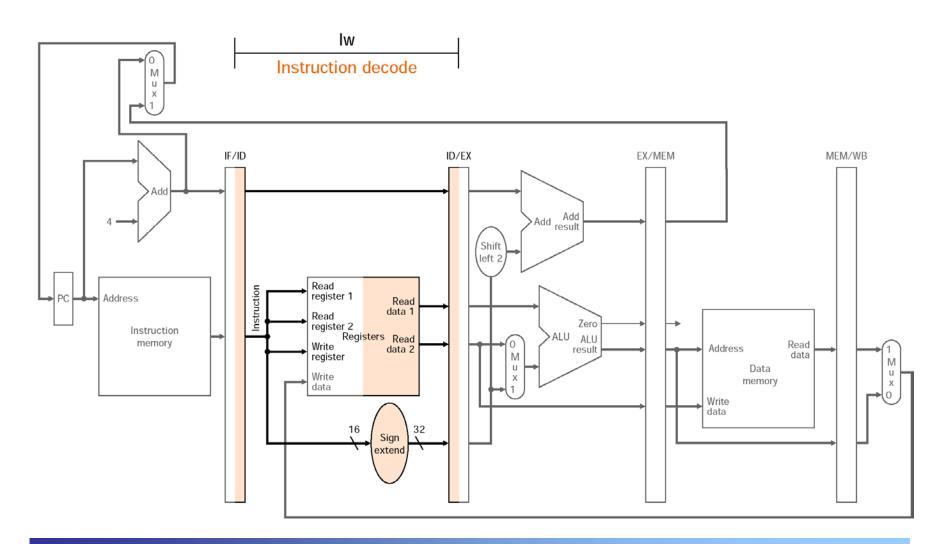
Computer Architecture

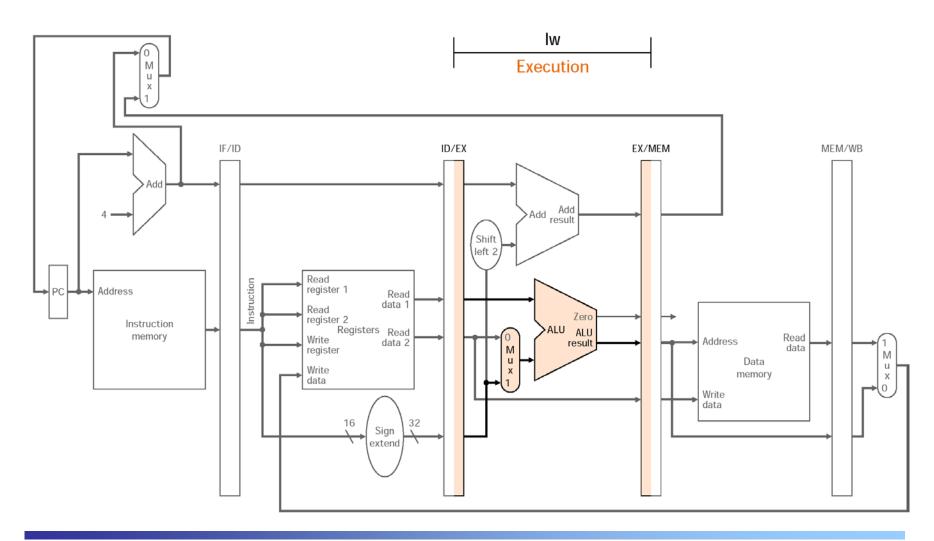
Pipelined Datapath and Control

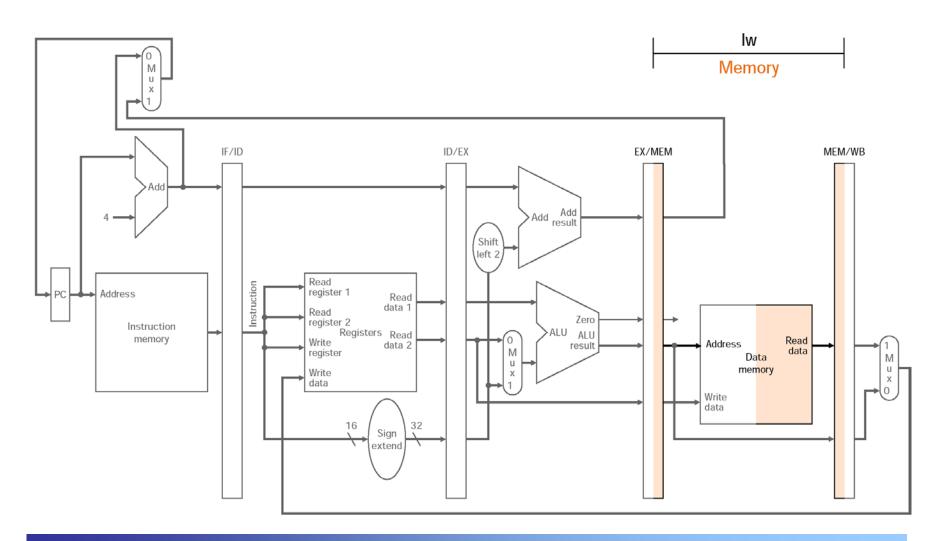
Pipelined Datapath

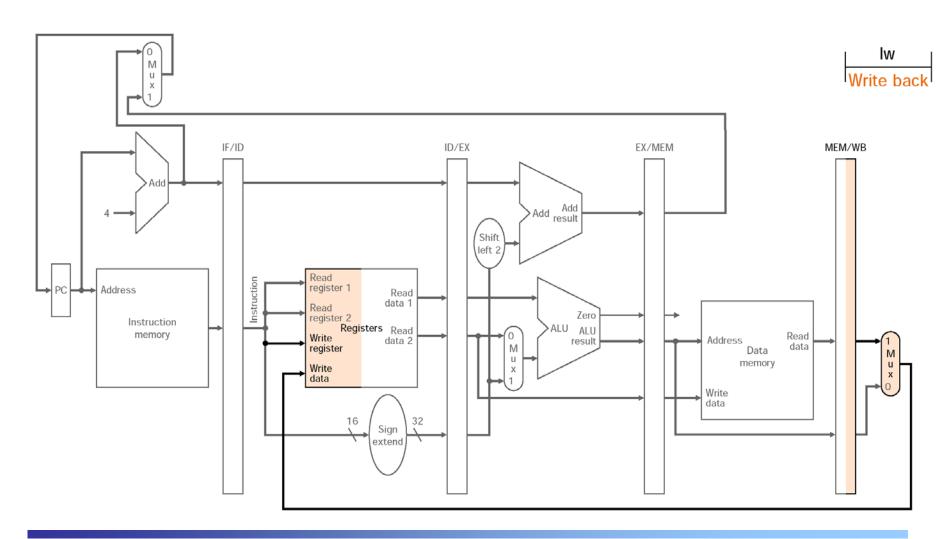




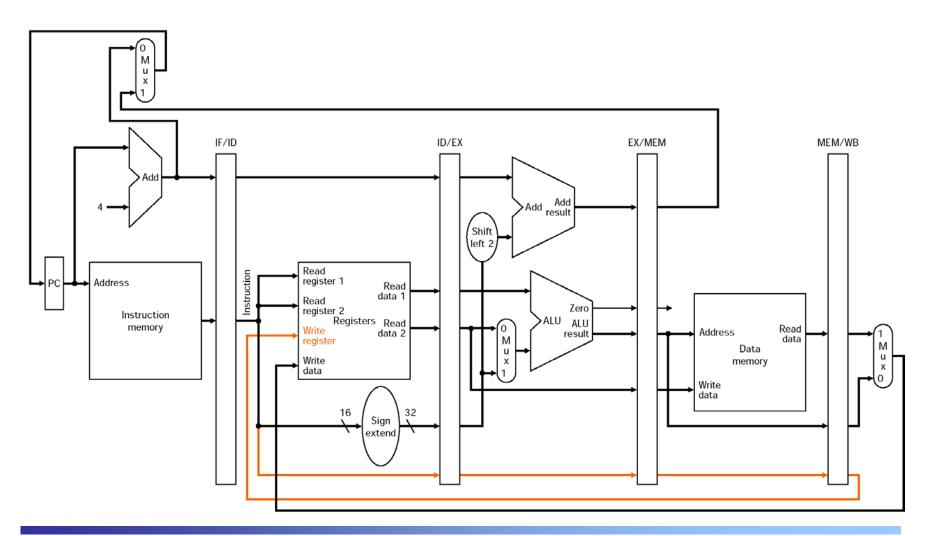




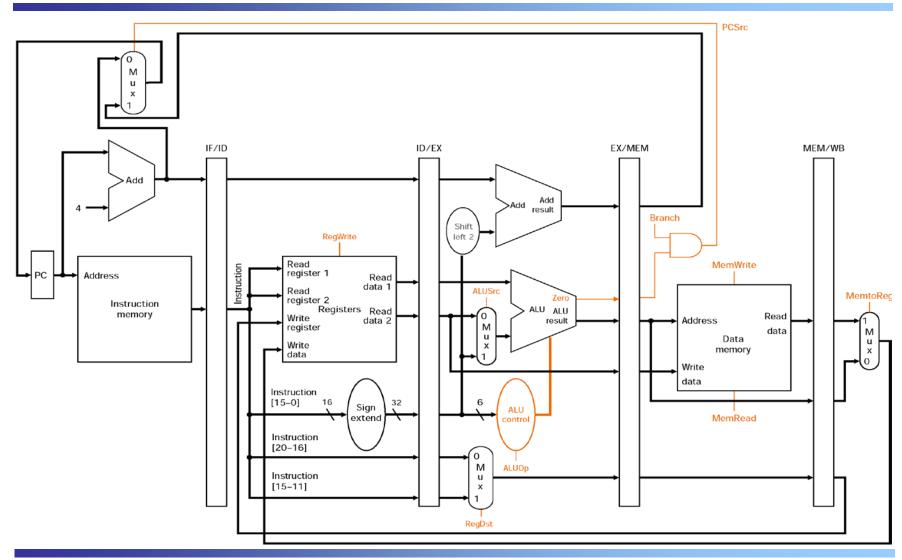




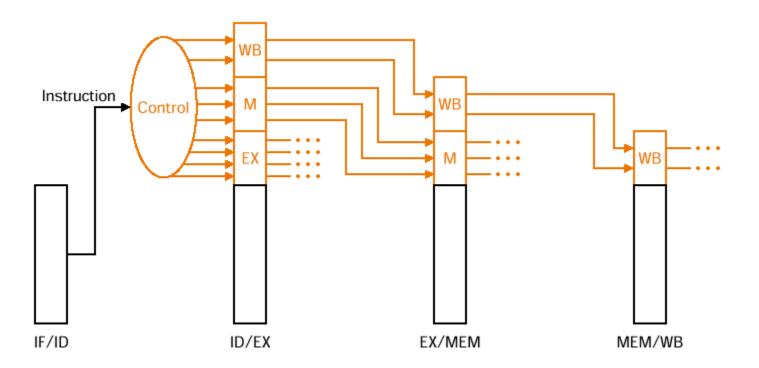
Corrected Pipelined Datapath



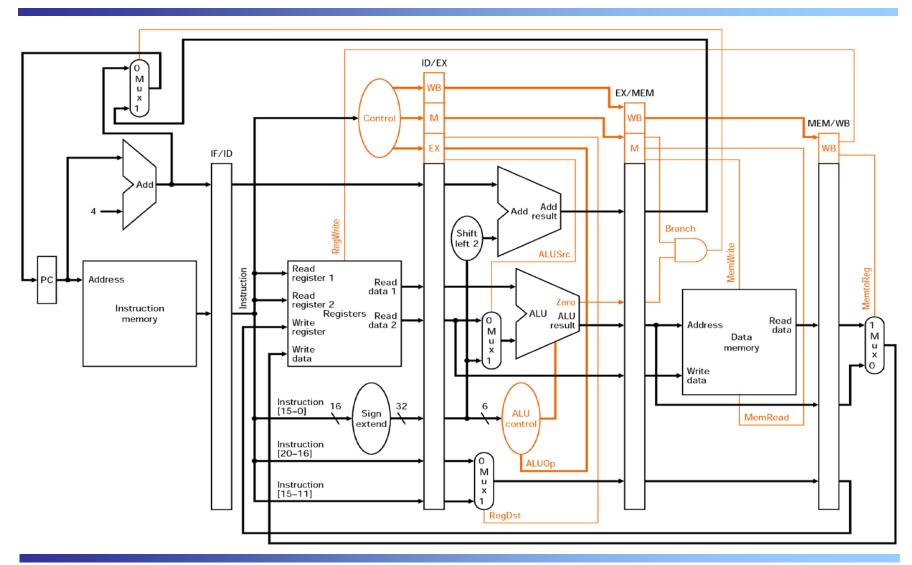
Pipelined Datapath with Control Signals



Control Signals Generation



Pipelined Datapath with Control Signals Connected



```
lw $10, 20($1)
sub $11, $2, $3
and $12, $4, $5
or $13, $6, $7
add $14, $8, $9
```

Assumptions:

- No data hazards
- No control hazards

