

# Identifying the Forwarding Datapaths



- Identify all stages that produce new values
  - EX and MEM
- Add stages after first producer as sources of forwarding data
  - EX, MEM, WB
- Identify all stages that really consume values
  - EX
- Add multiplexor for each input operand for each consumer
  - 2
- Multiplexers have sources+1 inputs
  - EX, MEM, WB + ID (register file)