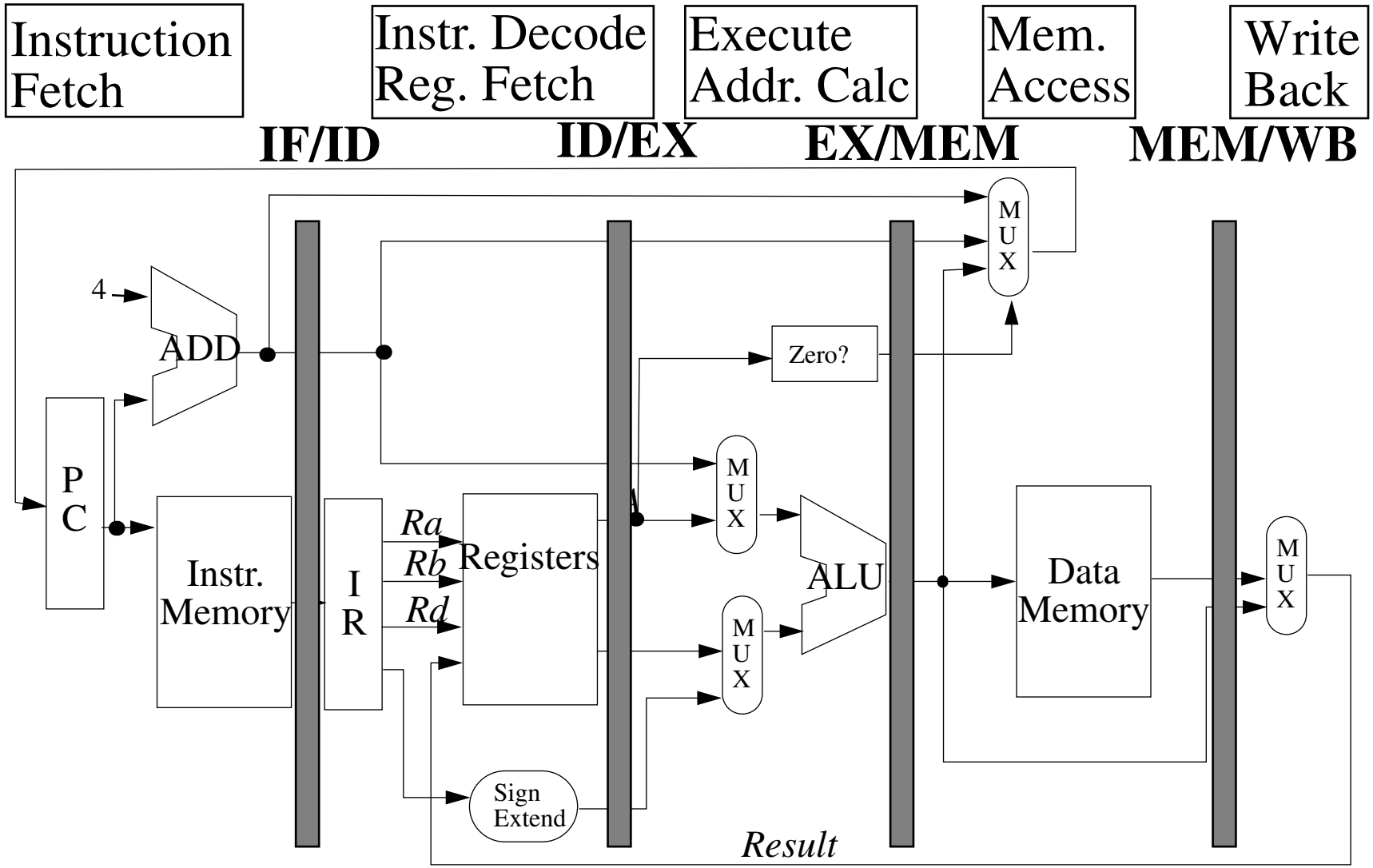
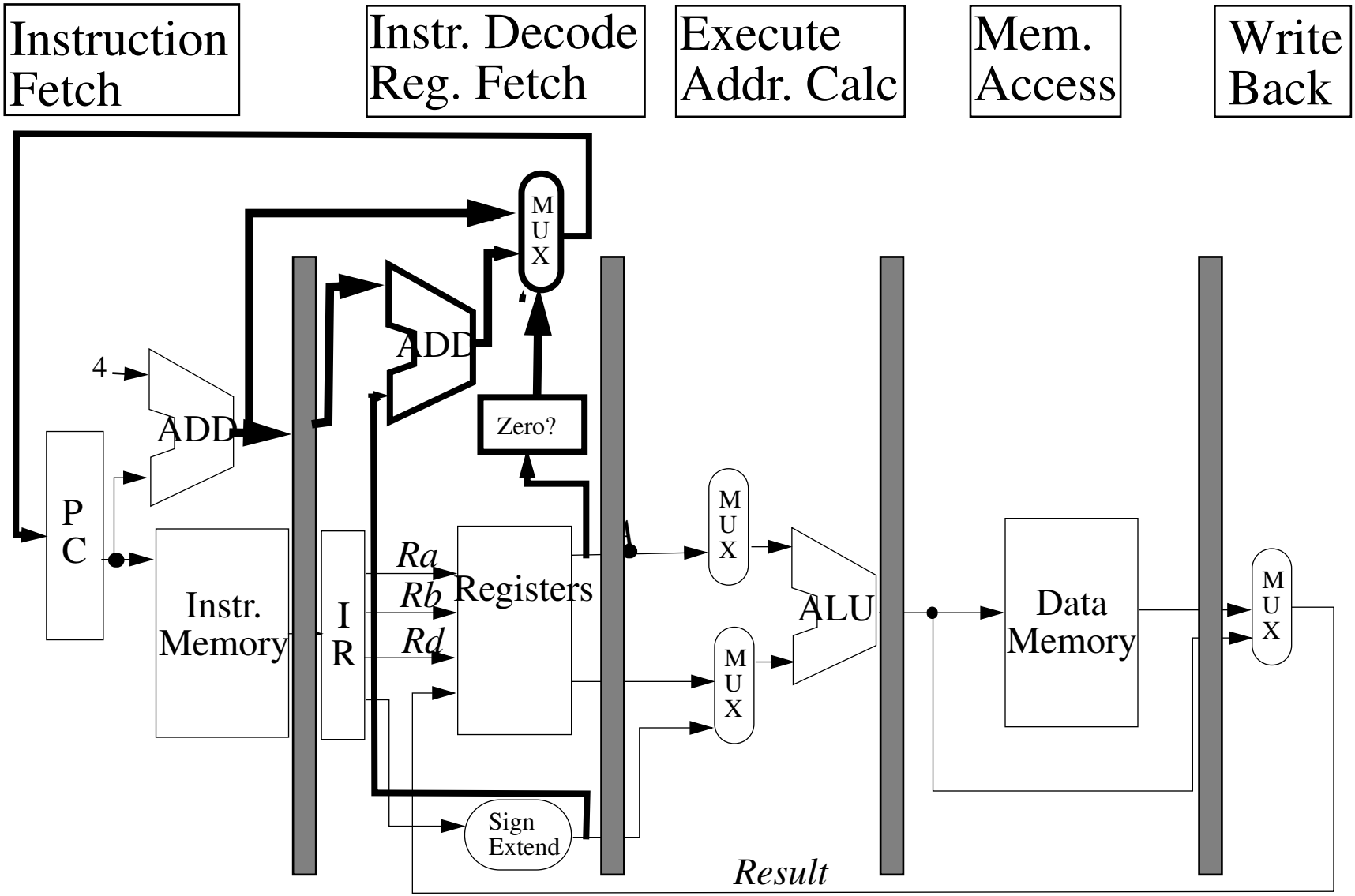
Original DLX Datapath



3 cycle branch penalty

DLX Datapath for Fast Branches