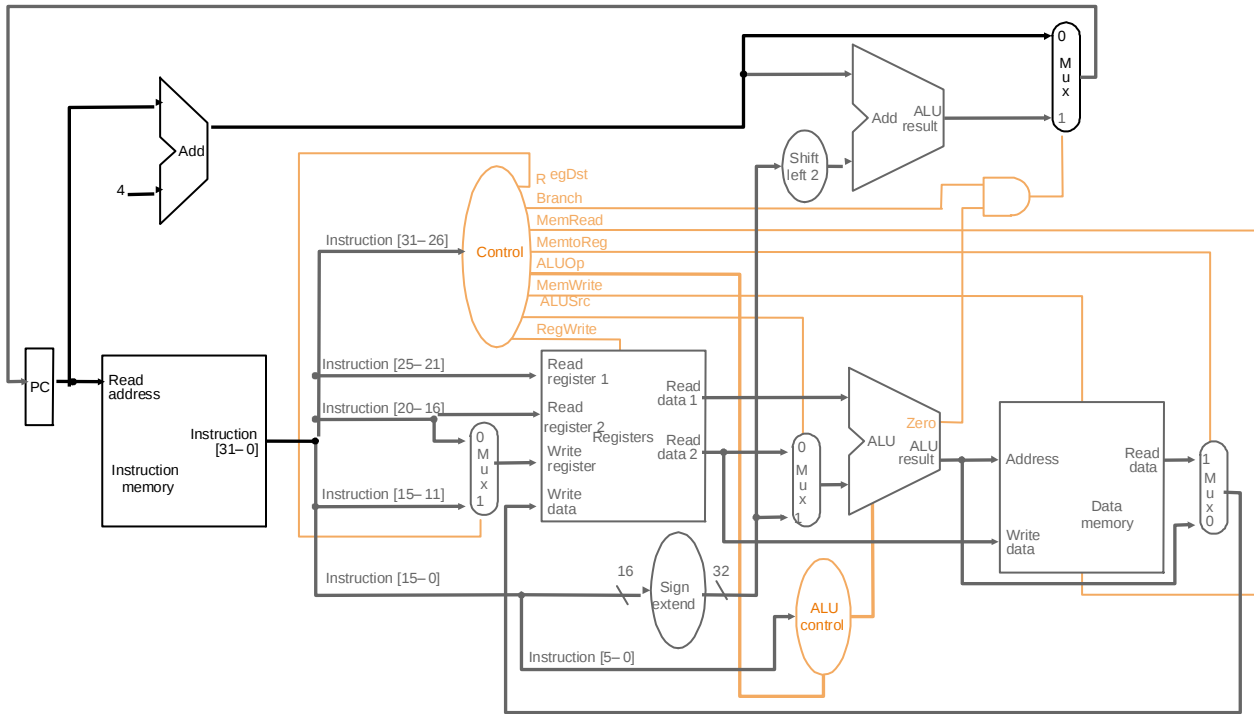


Problem 2. Datapath

We wish to add the instruction **addi** which is described in Section 2.5 of the textbook to the single-cycle datapath shown below. Add any necessary datapaths and control signals to the datapath and show the necessary additions to the table of control lines.

[illegible]