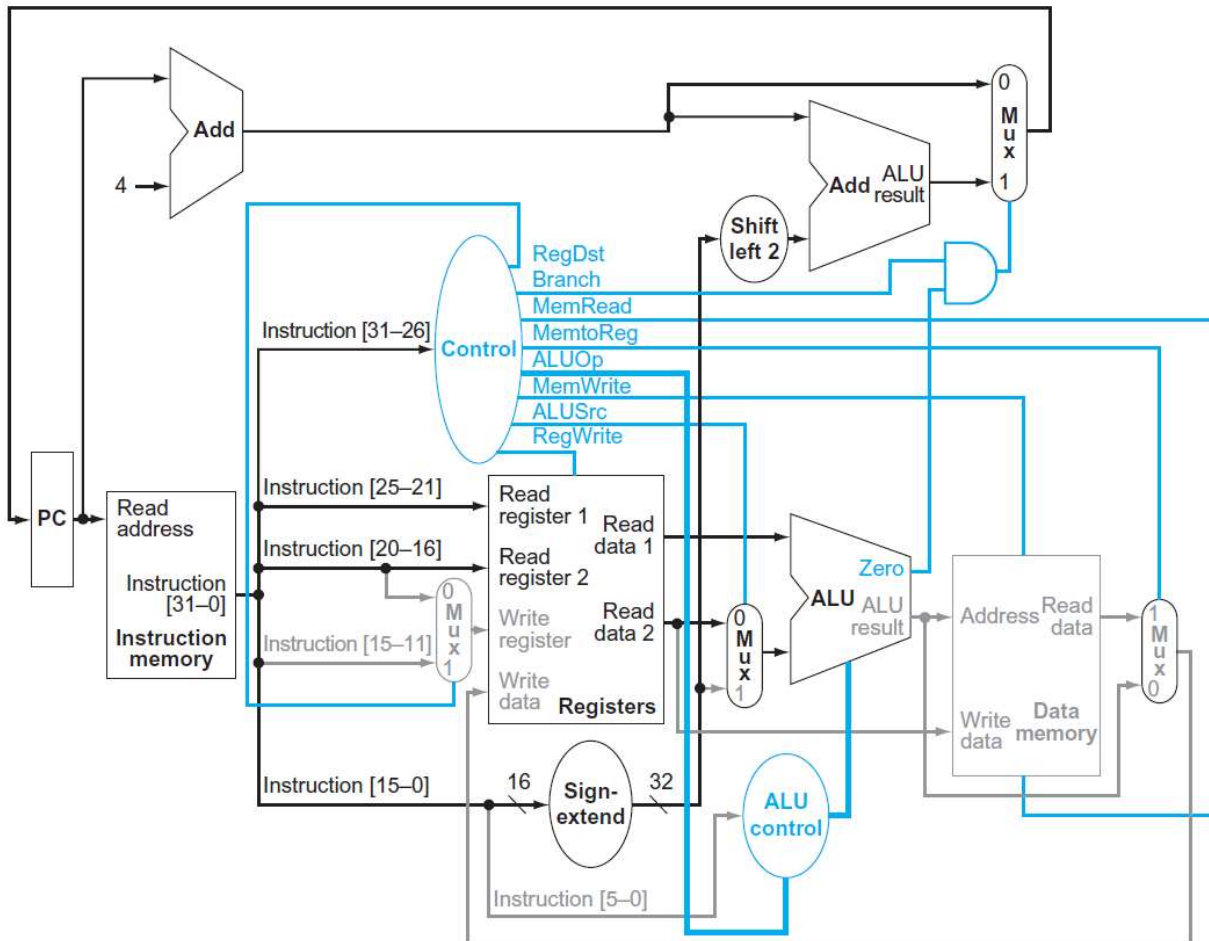1. Use the datapath architecture below to describe how the control lines are set in the execution of the instruction

   sw $t0, 32($a0)

Assume $a0 contains 0x00003210. Show the opcode, rs, rt, and offset.

2. Use the datapath architecture below to describe how the control lines are set in the execution of the instruction

addi $s3, $s2, 0x4567

Assume $s2 contains 0x00001234. Show the opcode, funct, rs, and rt.