Thank you for the amazing semester! Assignment 7 Sarah Mentel 1 Exercise 7.3 Modify single-cycle MIPS processor to implement one of the following instruction. 1) indicate changes to date path (2) name any new control signals 3 Snow changes to Main decoder ... describe any other required changes a) sil rd, rt, snamt () attached in file ex: sll \$t0, \$\$1, 2 op is it is showt funct SII shifts Srt w/ shamt, so Kinda padded w/ Zeros 2) Left shift register added, amount specified by snamt

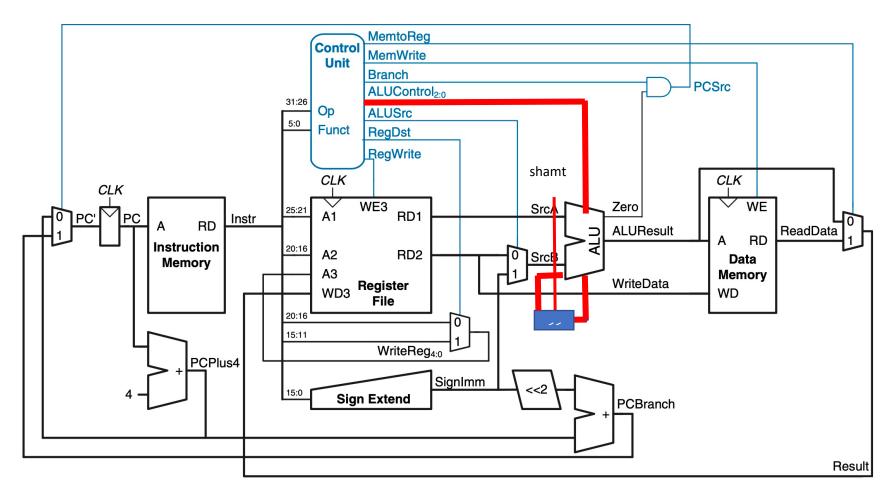
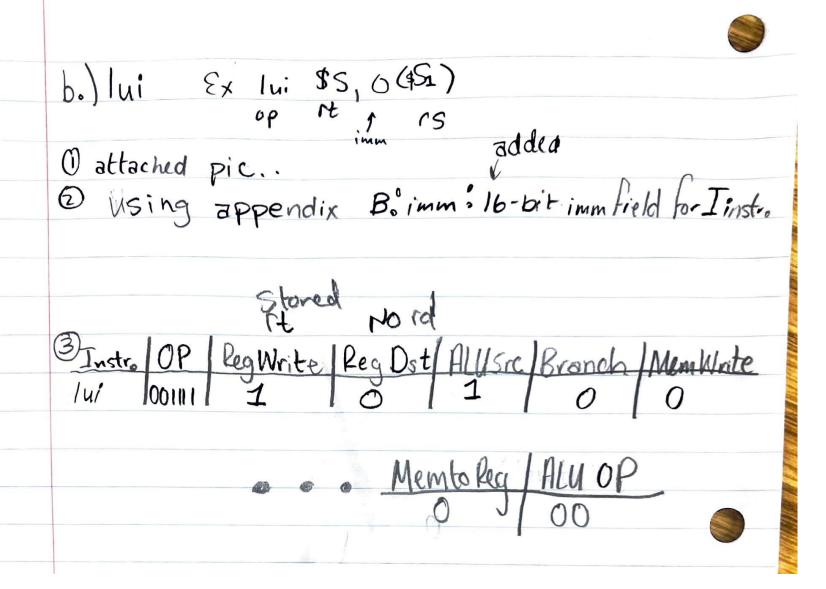
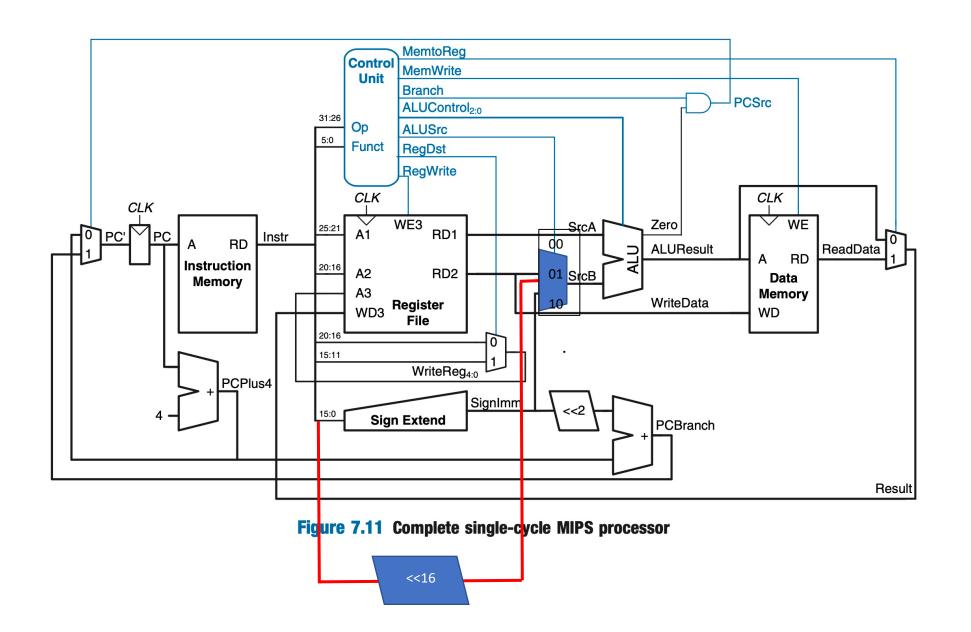


Figure 7.11 Complete single-cycle MIPS processor





Exercise 7.13 b) ori 1 image @ Zero extend added Bhulliplexer size increased
ALU control 601 3 main controller unmodified Men d) Odala path remains unchanged but Diagram modified attatched pic

