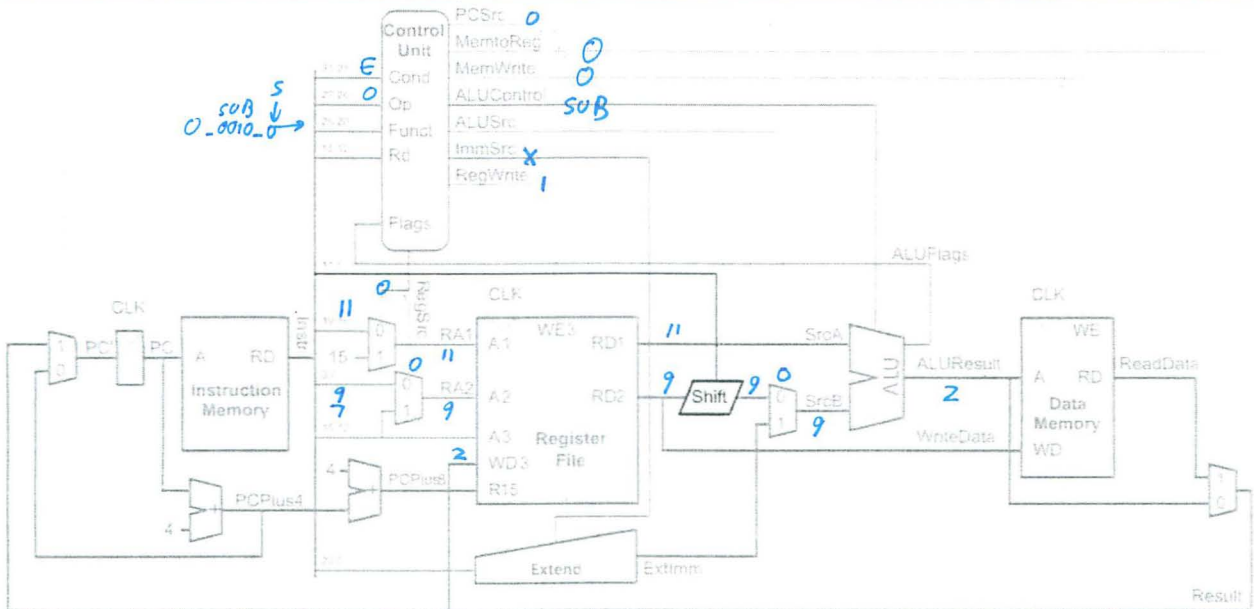


CE-1921-11 - Dr. Durant - Quiz 6

Spring 2016, Week 6

Given the instruction `sub r7, r11, r9` and that r11 contains 11 and r9 contains 9, label the single-cycle processor below with *Rd Rn Rm*

- All control values (X if don't care, use name [add, eor, etc.] for ALUControl), *including inputs*
- All relevant signal values (e.g., you can ignore the extender and ALUFlags since they're not used)



CE-1921-12 - Dr. Durant - Quiz 6 Spring 2016, Week 6

Given the instruction $\text{str r7, [r11, 0x10]}$ and that r7 contains 7 and r11 contains 0x2000, label the single-cycle processor below taken from Figure 7.17 of your book with

- (5 points) All control values (X if don't care, use name [add, eor, etc.] for ALUControl)
- (5 points) All relevant signal values (e.g., you can ignore the ALUFlags since they're not used)

