

CE-1921-11 - Dr. Durant - Quiz 6
Spring 2017, Week 6

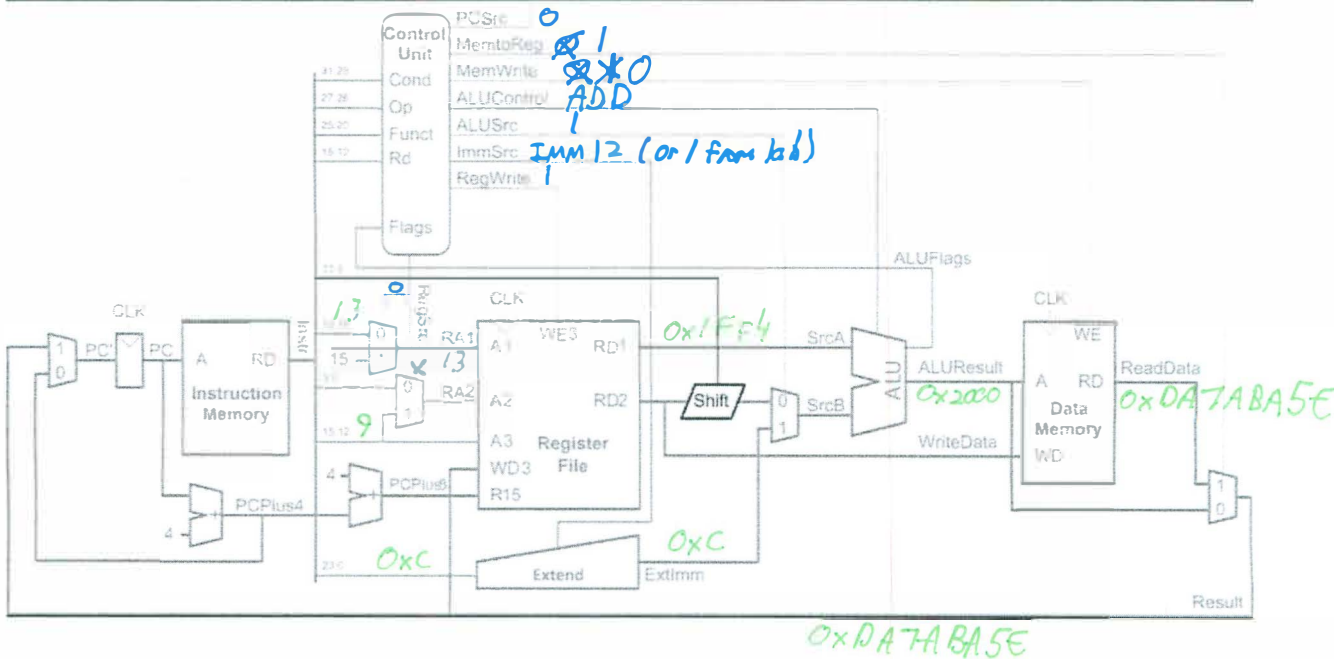
Given the instruction `ldr r9, [sp, #0xC]` and that `sp` contains `0x1FF4` and `memory[0x2000]` contains `0xDA7ABA5E`, label the single-cycle processor below taken from Figure 7.17 of your book with

9 items

- (5 points) All control I/O values (X if don't care; for non-MUXes use meaningful name, e.g. add, eor, etc. for ALUControl) *don't forget RegSrc*

9 items

- (5 points) All relevant signal values (e.g., if ALUFlags aren't used, you can leave them unlabeled) *except PC-related values*



CE-1921-21 - Dr. Durant - Quiz 6

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Given the instruction `adds r8, r6, #15` and that `r6` contains 17, label the single-cycle processor below taken from Figure 7.17 of your book with

- (5 points) All control I/O values (X if don't care; for non-MUXes use meaningful name, e.g. `add`, `eor`, etc. for ALUControl) *don't forget RegSrc*
- (5 points) All relevant signal values (e.g., if ALUFlags aren't used, you can leave them unlabeled) *except PC-related values*

