

CS465
Fall 2009
Homework 3
Due 11/9/09 in class

Note: Your submission must be typed; handwritten submissions will not be accepted
(Use the following [powerpoint file](#) to make changes and additions.)

1. Add the necessary datapaths and control signals to the single-cycle CPU datapath to include the instruction *jr* (jump register).
2. Repeat question 1, but this time add the instruction *sll* (shift left logical)
3. Repeat question 1, but this time add the instruction *lui* (load upper immediate).