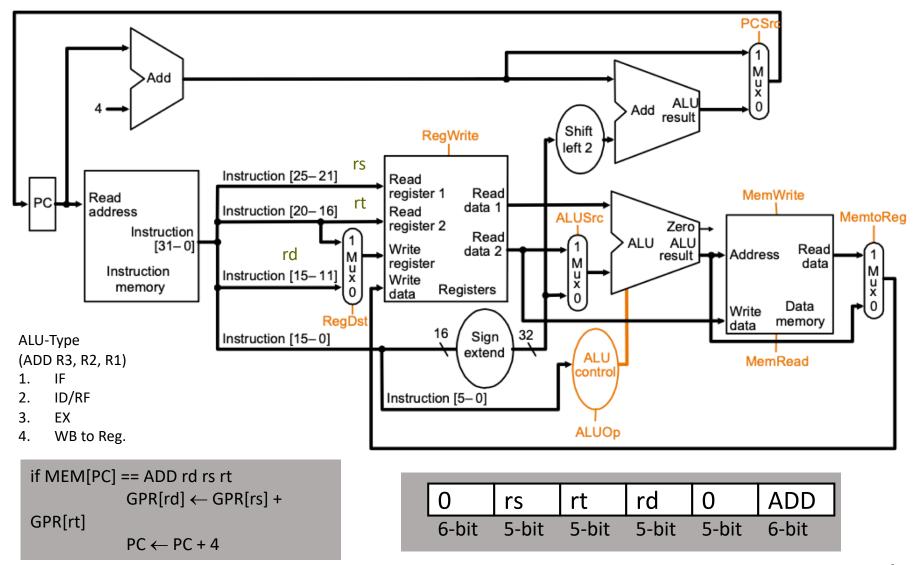
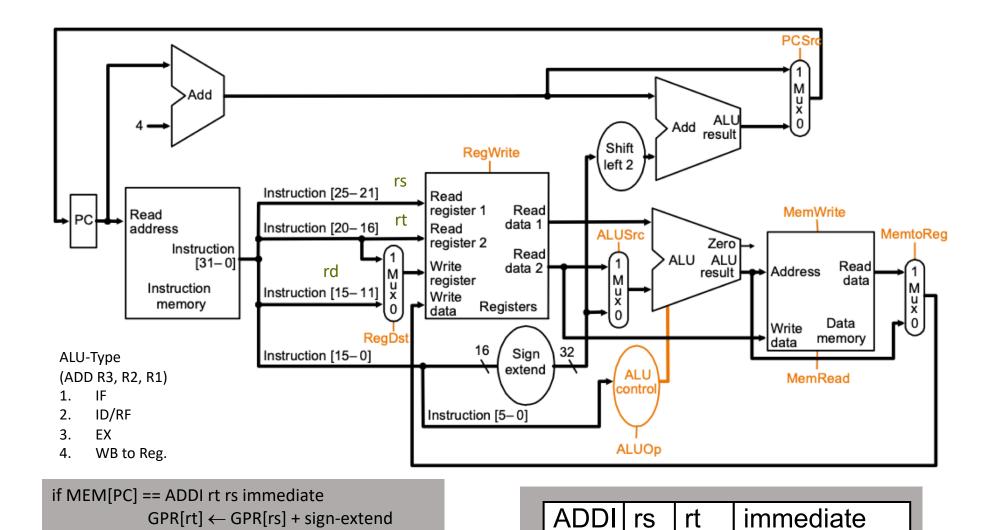
R-type Instructions – ADD Instruction



I-type Instructions - ADDI Instruction

(imm)

 $PC \leftarrow PC + 4$



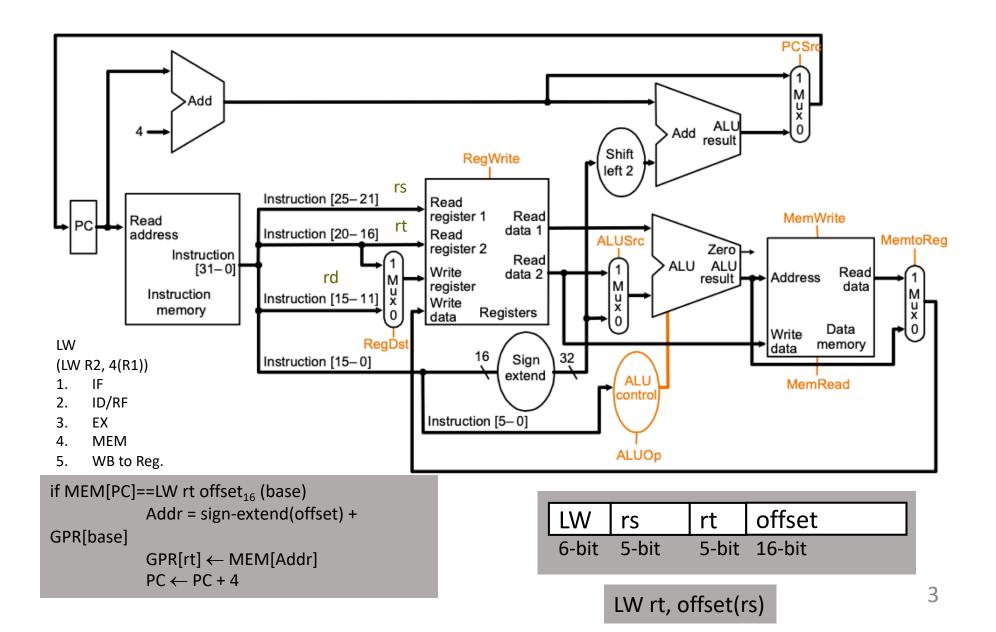
ADDI rt, rs, immediate

5-bit 5-bit

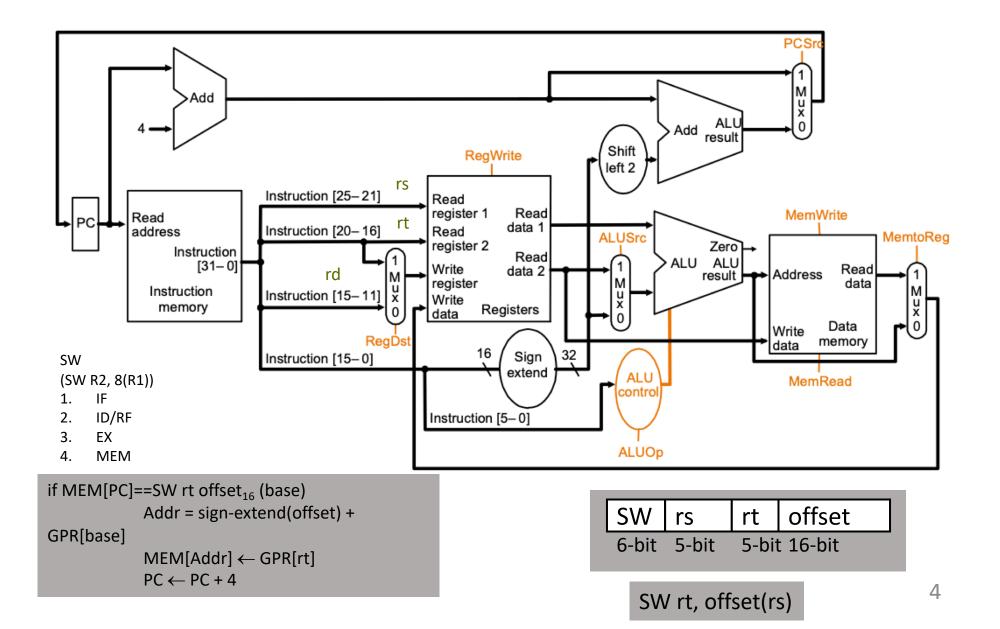
16-bit

6-bit

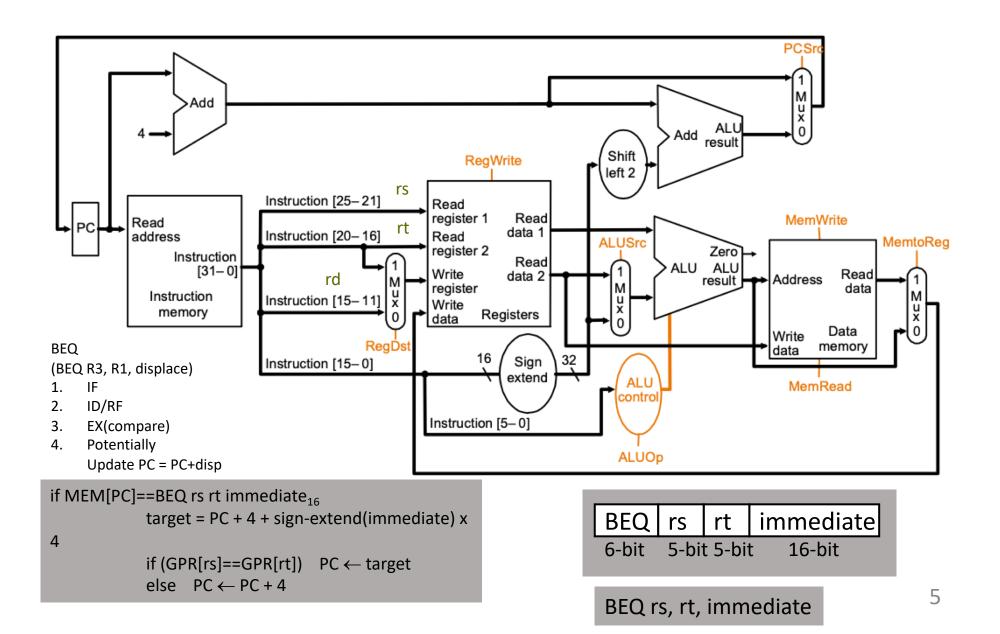
I-type Instructions - LW Instruction



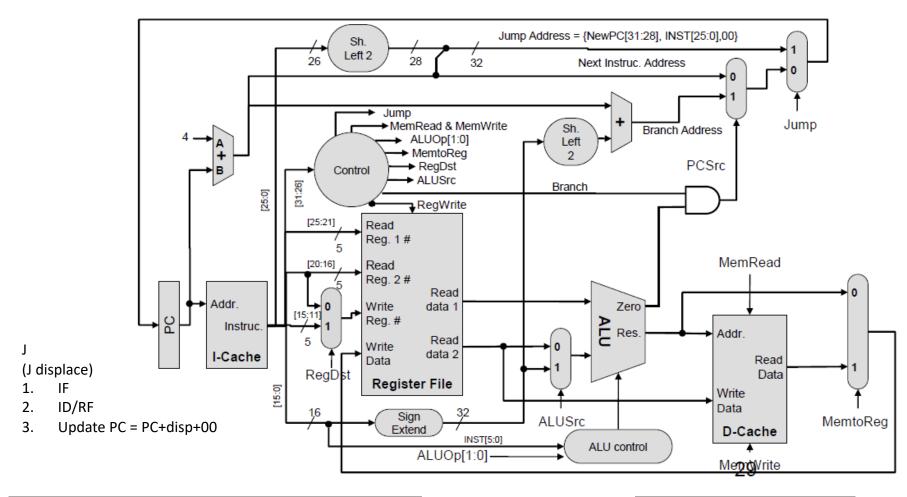
I-type Instructions - SW Instruction



I-type Instructions - Branch Instructions



J-type Instructions - Jump Instructions



```
if MEM[PC]==J immediate<sub>26</sub> target = { PC[31:28], immediate<sub>26</sub>, 2'b00 } 
PC \leftarrow target
```



J immediate