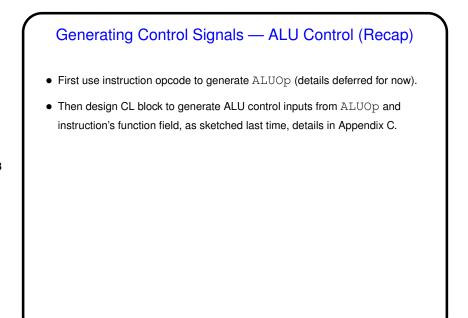


Slide 2



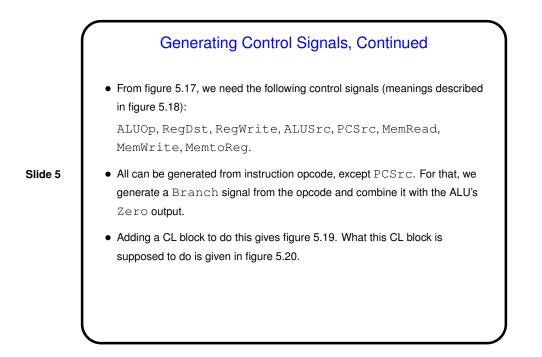
Slide 3

Using Instruction's Fields

- Some input to functional units comes directly from the instruction:
 - Read register 1.
 - Read register 2.Write register.

Slide 4

- Sign extender.
- Block to generate ALU control input.
- For each of these, figure out which bits we need. This gives figure 5.17.



| | Minute Essay | | | | |
|---------|--------------|--------|--------|----|-----|
| | (using | figure | 5.19): | | |
| | | add | lw | SW | beq |
| | RegWrite | ? | ? | ? | ? |
| | MemRead | ? | ? | ? | ? |
| Slide 6 | MemWrite | ? | ? | ? | ? |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |