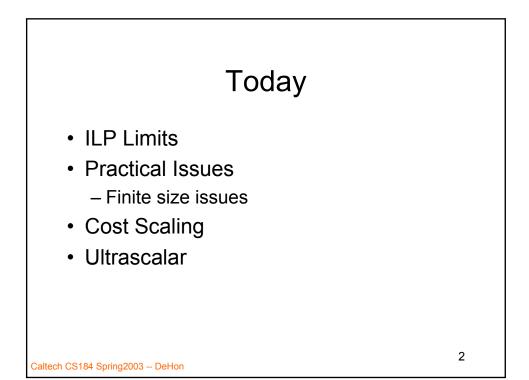
CS184b: Computer Architecture (Abstractions and Optimizations)

Day 5: April 14, 2003 ILP 2



Caltech CS184 Spring2003 -- DeHon



Limit Studies

- **Goal:** understand how far you can go – this case, how much ILP can find
- · Remove current/artificial limits
 - do full renaming, arbitrary look ahead
 - perfect control prediction, memory disambiguation
- Careful with assumptions
 - can still be pessimistic
 - is there another way to do it?
 - Another way around the limitation?

3

Caltech CS184 Spring2003 -- DeHon

