

Recap — Course Goals • Learn math needed for later courses. Something of a "grab bag" of topics, but you probably will see some of this material again. • Increase "mathematical maturity" - in part, this is the ability to think logically, which can only help, both in programming and other CS courses. • A recurring theme is to take something that might be difficult to think through from first principles and turn it into a symbol-manipulation problem.



Topics and Why We Covered Them, Continued

• Program correctness:

Another way to think about programs – even if not applied formally, E.g.,
"loop invariant" idea — recall problem with black/white marbles.









