

## CS10 The Beauty and Joy of Computing

Lecture #7 Algorithmic Complexity

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## 1 GBPS WI-FI COMING TO A BILLION DEVICES

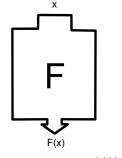
One million Wi-Fi devices isn't cool.
You know what's cool? A Billion Wi-Fi devices.
...all running the new 802.11ac 1G Wi-Fi
standard, which hasn't yet been ratified by the
IEEE, but we'll see draft by 2011 and products out
there by 2012. It'll use radio spectrum below
6GHz & bond 4- or 8-channels together.



 $\verb|hothardware.com/News/1Gbps-WiFi-Soon-Coming-To-a-Billion-Devices| \\$ 

## Functional Abstraction (review) - A block, or function

- A block, or function has inputs & outputs
  - Possibly no inputs
  - Possibly no outputs (if block is a command)
    - In this case, it would have a "side effect", i.e., what it does (e.g., move a robot)
- The contract describing what that block does is called a specification or spec



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UC Berkeley CS10 "The Beauty and Joy of Computing" : Algorithmic Complexity

