



What computers  
just *cannot* do.  
(Part II)

COS 116: 3/5/2008

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# Administrivia

- Midterm - in-class 3/13
  - Review session Tues and Wed during lab slot.
  - 2006 midterm linked under “extras” on web

# Recap from last time

...	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	...
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- Turing-Post computational model:
  - Greatly simplified model
  - Infinite tape, each cell contains 0/1
  - Program = finite sequence of instructions (only 6 types!)
  - Unlike pseudocode, no conditionals or loops, only “GOTO”
  - $\text{code}(P)$  = binary representation of program  $P$