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Today Finite-state automata (FSAs). §§ 1.{0,1} (thoroughly); § 6.1 (best effort).
Next class Nondeterminism (NFAs). § 1.2.
Reminders Newsgroup. aturing accounts. Homework soon.

- 1. Write your name in the space below.
- 2. Provide a formal description of the automaton M_4 from page 38 of the textbook, using the description on page 36 as a guide.

- 3. Trace the action of the automaton of Question 2 on the following strings by annotating each character of each string with the corresponding state of the automaton.
 - (a) abbaababa
 - (b) bbbabaaab
 - (c) bbbabaaba

[additional space for answering the earlier question]

4. Provide the informal and formal definitions of a FSA for the language of binary strings that contain twice as many 1s as 0s.