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Today Finite-state automata (FSAs). §§ 1.1, 1.2.

Next class Homework 1 due. Regular expressions, equivalence to FSAs, nonregular languages. § 1.3, 1.4.

- 1. List the members of your group below. Underline your name.
- 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

4.	Design works.	an	DFA	that	accepts	ınteger	literals	ın	Java	syntax.	Explain	how	your	DFA
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5. Provide an NFA and a DFA for the language of binary strings whose fourth-last character is a 1. Explain briefly.