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**Today:** Homework 3 due. Turing Machine variants. § 3.2. **Next class:** Church-Turing Thesis. § 3.3. **Reminders:** Reading. Newsgroup. Midterm Exam next week.

- 1. List the members of your group below. Underline your name.
- 2. Provide an *informal but precise* description of a Turing Machine that decides the language of strings in  $\{a, b\}^*$  that contain at least thrice as many as as bs.

3. Provide a *formal* description of the machine of Question 2.

4. Trace the operation of the machine of Question 3 on the inputs abaa and abaaba.