CIS 341, **Evening Class**, Fall 2003   Quiz #2   Prof. M. K. Nakayama

Print Family Name: ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Print Given Name: ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯
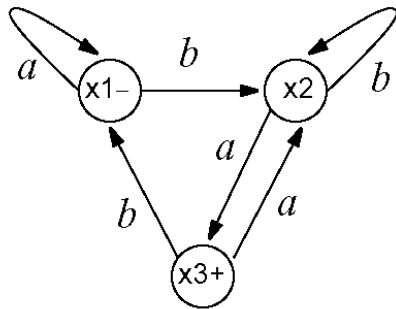
Instructions:

- Write all answers in the space provided.

- If you need to do scratch work, use the backs of the sheets.

- During this quiz it is prohibited to:

   1. exchange information with any other person in any way, including by talking or exchanging papers or books;

   2. use any electronic aid, including calculators;

   3. use any books or notes;

   4. leave the classroom before you complete and turn in your quiz.

I have read and understand all of the instructions above. On my honor, I pledge that I have not violated the provisions of the NJIT Academic Honor Code.
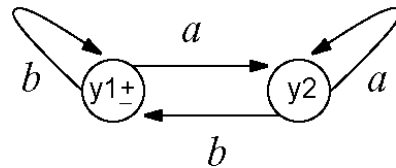
⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Signature and Date

1. Let L_1 be the language accepted by the finite automaton FA_1 below, and let L_2 be the language accepted by the finite automaton FA_2 below. Give a finite automaton for the language $L_1 L_2$.

FA$_1$

FA$_2$

Draw finite automaton below: