

## CSCI 361: Exercise # 2

Your Name: \_\_\_\_\_

*Due: Thursday, Sept 11, in class*

Assigned reading for this lecture:

- Sipser Chap 1.2 (Nondeterministic Finite Automaton)

**Question.** Study the state diagram of the NFA  $N_4$  in Figure 1.36 of Sipser and state the formal description of the 5-tuple of  $N_4$  (including the transition function table) similar to the description of the NFA  $N_1$  in Example 1.38.