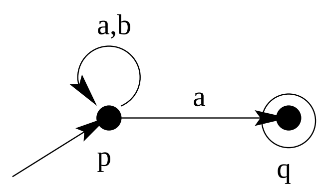
CS 381	**Introduction to Theory of Computing**	Quiz 6
Summer 2000		June 2, 2000

Write your name in the space below. Failing to do so may result in not recording the points you earn for this quiz.

1. Consider the NFA given below:

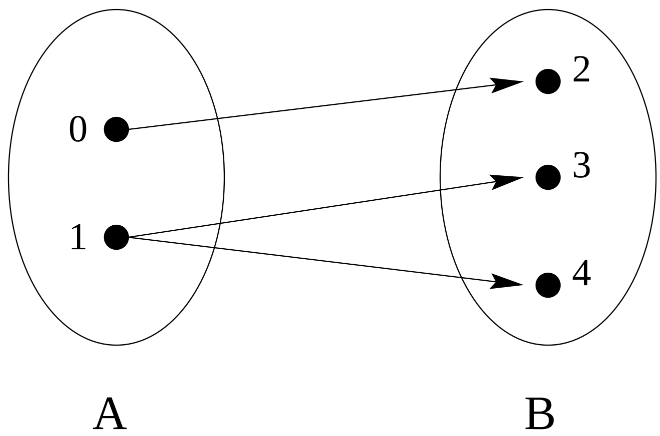


   (a) Specify the transition function Δ **completely**.

   (b) Give the DFA that is equivalent to the given NFA. Use the formal method given in class!

(Over, please)

2. Consider the diagram below:



(a) Could this be a representation of a function $f : A \to B$?

(b) Could this be a representation of a relation $R \subseteq A \times B$?

(c) Could this be a representation of a function $f : A \to 2^B$?