Assignment 2

Automata & Theory of Computation

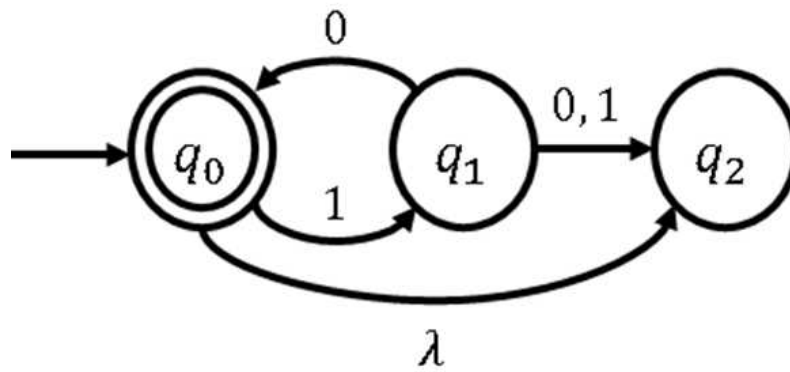**Student ID:**   **Name:**

1. Show that the language

$$L = \left\{ a^n : n \geq 3 \right\}$$

is regular.

2. From the following nfa, find $\delta^*(q_0, 1011)$ and $\delta^*(q_1, 01)$.

(1) $\delta^*(q_0, 1011)$

(2) $\delta^*(q_1, 01)$