

Assignment 2

Automata & Theory of Computation

Student ID: 2018008240

Name: 김희수.

1. Show that the language

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

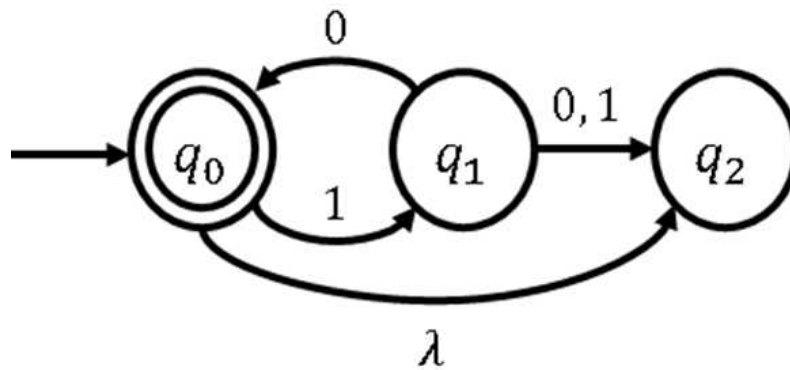
is regular.



L has a DFA that accept strings in L .

$\therefore L$ is regular.

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



$$(1) \delta^*(q_0, 1011) = \{q_2\}$$

$$(2) \delta^*(q_1, 01) = \{q_1, q_2\}$$