

Review 3

Automata & Theory of Computation

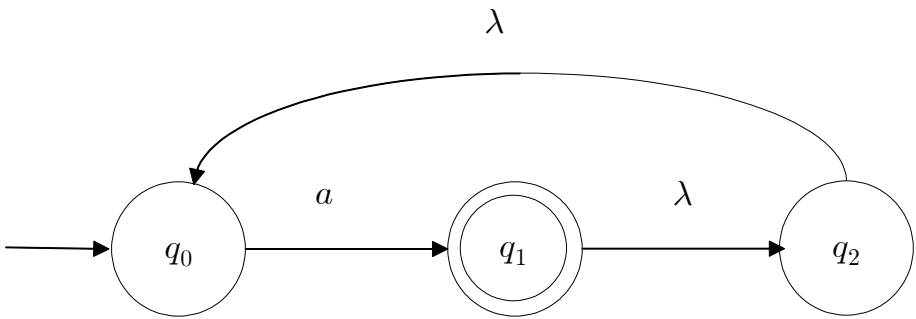
Student ID:

Name:

1. Construct a dfa that accepts L^2 where

$$L = \{awa : w \in \{a,b\}^*\}$$

2. Answer the questions about the following nfa.



(1) Show the step by step execution of $\delta^*(q_2, aa)$.

	q_2
λ^*	
a	
λ^*	
a	
λ^*	

(2) describe the language accepted by the nfa.