## Worksheet 02: NFAs and Regular Language Closures

Computer Science 311

## Spring 2016

**Problem 1** Draw an NFA that decides the language  $\{s \in \{0,1\}^* \mid s \text{ is a binary multiple of four}\}$  using no more than three states.

**Problem 2** Convert the following NFA to an equivalent DFA:



**Problem 3** Prove that the regular languages are closed under concatenation.