Homework 2: Regular Languages and DFAs
Theory of Computation (CSCI 3500)
Total Points: 4

Due: Monday, Feb. 10 by 11:59pm

Write the solution to each question on its own page.
All questions must be in order.
Your name must be on each page.
Then email me a single PDF file of your solution set.
All assignments not adhering to this will not be graded.

0. (1 pt): Define the language of binary words that have an even number of ones.

1. (1 pt): Define the language of binary numbers that are a multiple of three.

2. (2 pt): Define a DFA for the following language:

$$L = \{w \in \{0,1\}^* \mid |w|_0 = 1 \text{ or } |w|_1 = 2\}$$