Automata and Formal Languages
Quiz 1

1. Find DFA for $L = \{w : |w| \bmod 3 = 0\}$ on $\Sigma = \{0,1\}$.

2. Show that if L is a nonempty language such that any w in L has length at least n, then any DFA recognizing L must have at least $n + 1$ states.

3. Convert the following NFA into DFA with $\Sigma = \{a,b\}$.