

Week 1

Homework questions

1. Design a DFA to accept the language $L = \{ w ; |w| \bmod 2 = 0 \}$ over $\Sigma = \{a, b\}$
2. Obtain DFA for the following languages, where $\Sigma = \{0, 1\}$
 - a. The strings start with 10
 - b. The strings end with 10
3. Obtain DFA for $L = \{0^n \mid n \geq 0\}$, where $\Sigma = \{0, 1\}$