Homework 2

Submission

Submit your individual solution at the beginning of the class on Thursday, September 21.

Problems

1. Describe in English the sets of languages accepted by the DFAs shown in the Figures (a) and (b) below.

2. Problem 7 (b) and (e), on Page 48.

3. Give NFAs with the specified number of states recognizing each of the following languages.
   a. The language {w : w ends with 00} with three states.
   b. The language $0*1*0*0$ with three states.
   c. The language {λ} with one state.

4. Problem 3 on page 64.

5. Problem 12 on page 65.

Fig. (a)

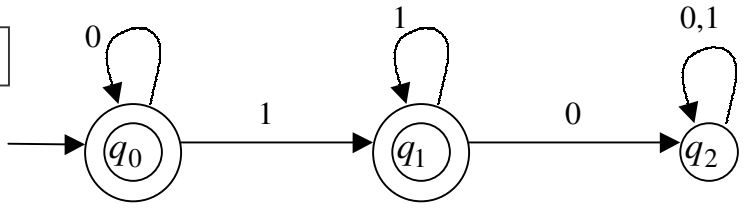
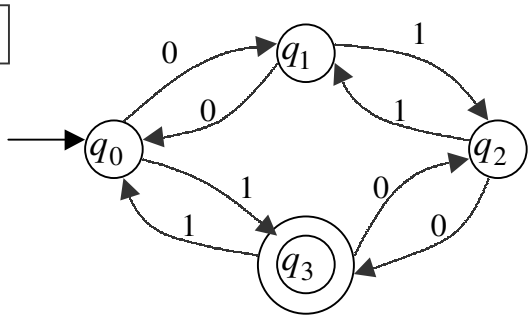


Fig. (b)



Good luck!