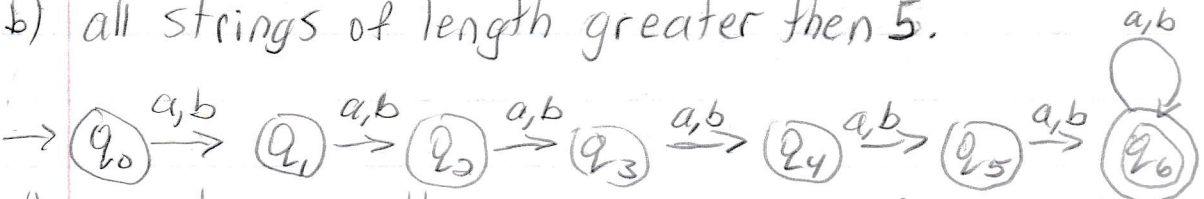
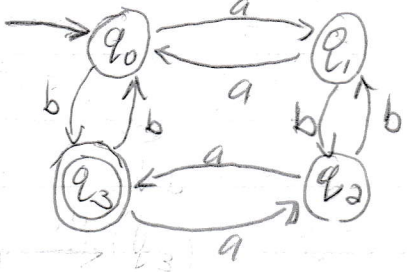
Module #2 HW

1. Which of the strings 0001, 01101, 00001101 are accepted by the DFA in Figure 2.1?
   - all 3 strings are accepted

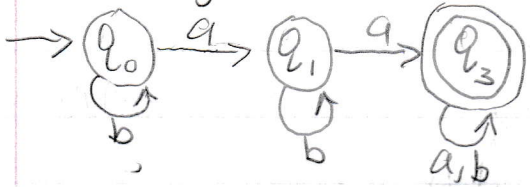
3. For $\Sigma = \{a, b\}$, construct DFA's that accept the sets consisting of
   b) all strings of length greater then 5.



   d) all strings with an even number of a's and an odd number of b's.



4. For $\Sigma = \{a, b\}$, construct DFA's that accept the sets consisting of
   b) all string's with atleast two a's.



14. show that $L = \{a^n : n > 3\}$ is regular