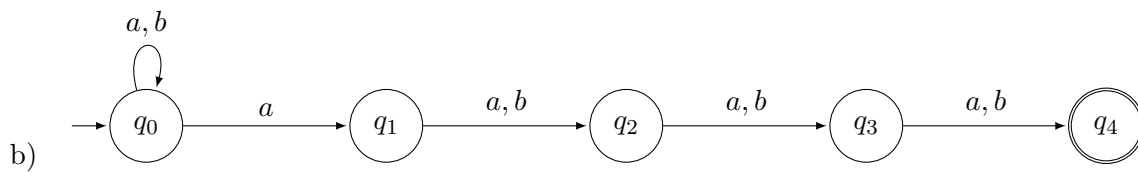
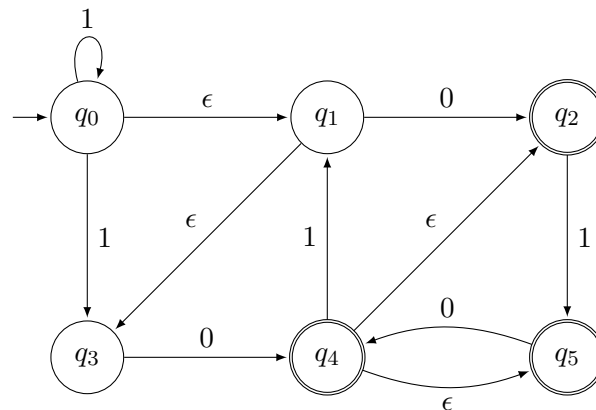


**Exercise 9.** For each of the following NFAs, use the algorithm discussed in class to construct an equivalent DFA. As a first step, compute the value of  $\text{eps}(q)$  for each state  $q$ .

Provide a “running commentary” which shows how your solutions were obtained. Use JFLAP to assist and/or check your work — however, be sure you can perform this construction entirely on your own.

a)



*Solution.*