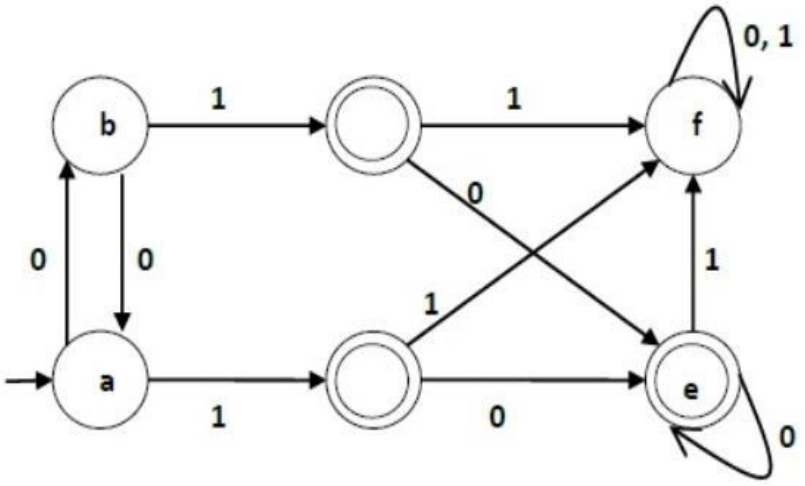
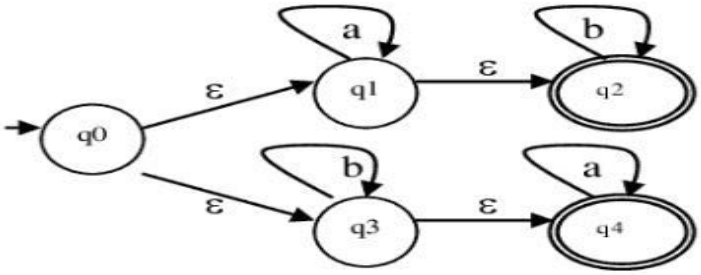
01. Develop a regular expression for the following language over the alphabet P = {a, b} such that:
    a. It accepts all strings in which the letter b is never tripled. This means that no word contains the substring bbb.
    b. It accepts all strings all words in which a is tripled or b is tripled, but not both. This means each word contains the substring aaa or the substring bbb but not both.

02. Consider the Language L of strings, defined over Σ ={a, b}, construct a GTG which:
    a. accepts all strings without double b.
    b. accepts all strings beginning and ending with the same letters.

03. Minimize the following DFA:



04. Convert the following epsilon NFA to DFA:



05. Perform union and concatenation of the following FAs: