Homework 4

CSCI 371 Due: 9/19

1. Write a regular expression for the language of a’s and b’s such that the string does not end in ab.
2. Write a regular expression for the language of 1’s and 0’s such that 001 is a substring in the language.
3. Using the process we learned on how to convert a FSM to a regular expression, convert the following FSM to a regular expression:

b

b

a

a

a

1. Give a regular grammar for the language containing a’s and b’s that does not end in aa.