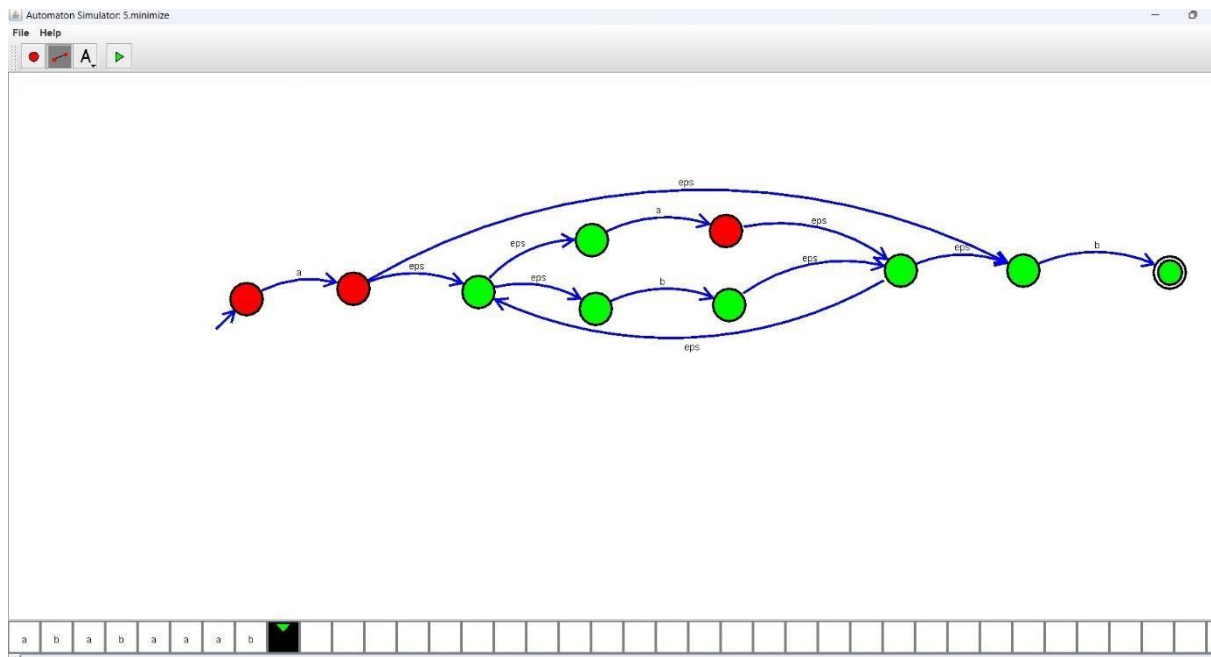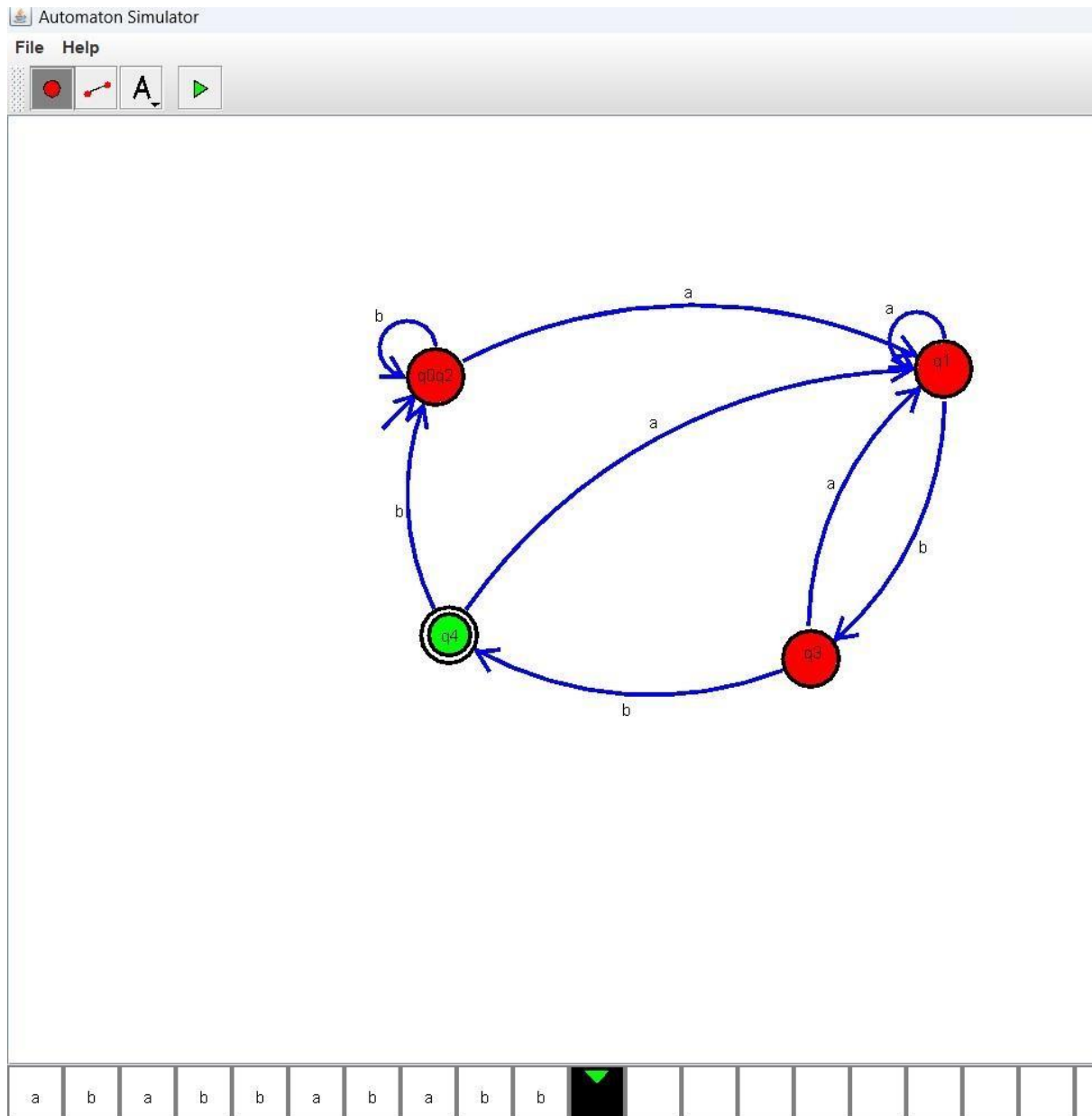## 1. Define r.e. for the following languages:
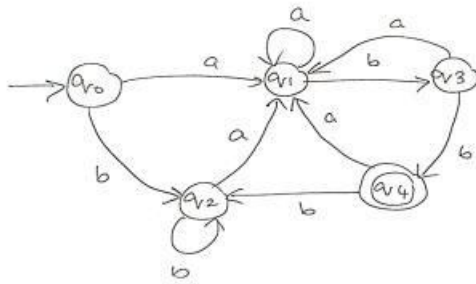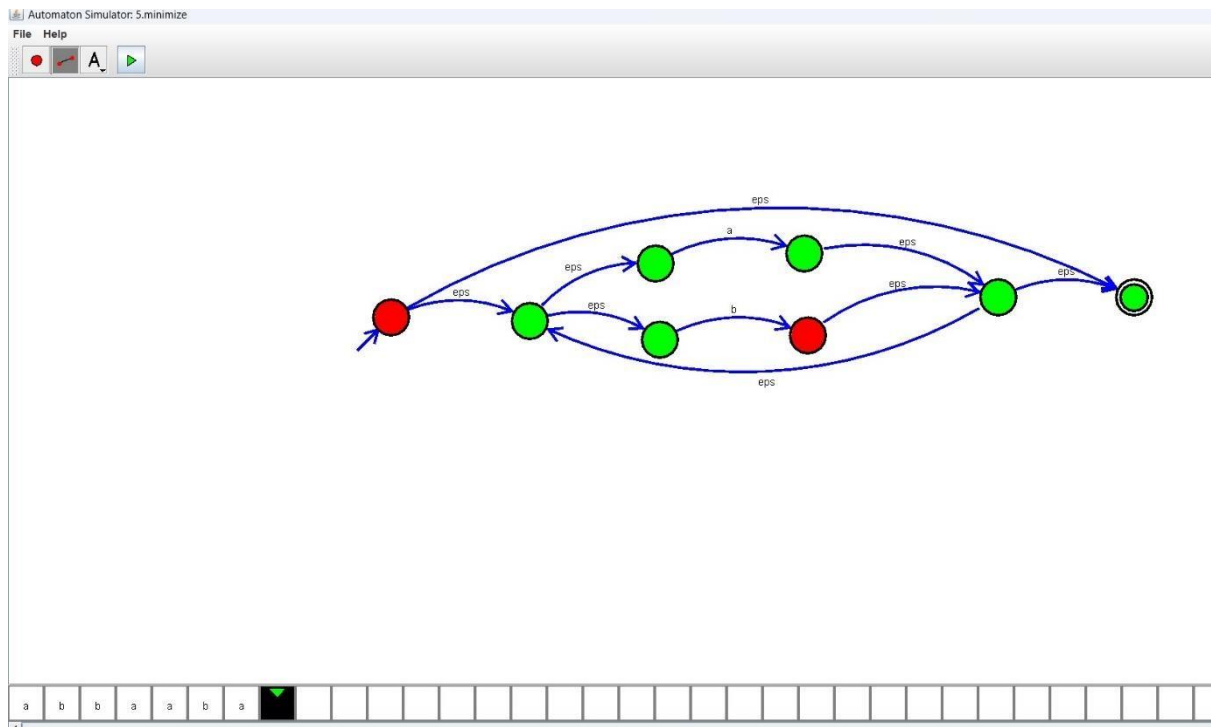
Set of all strings that start with a and end with b over ={a,b}
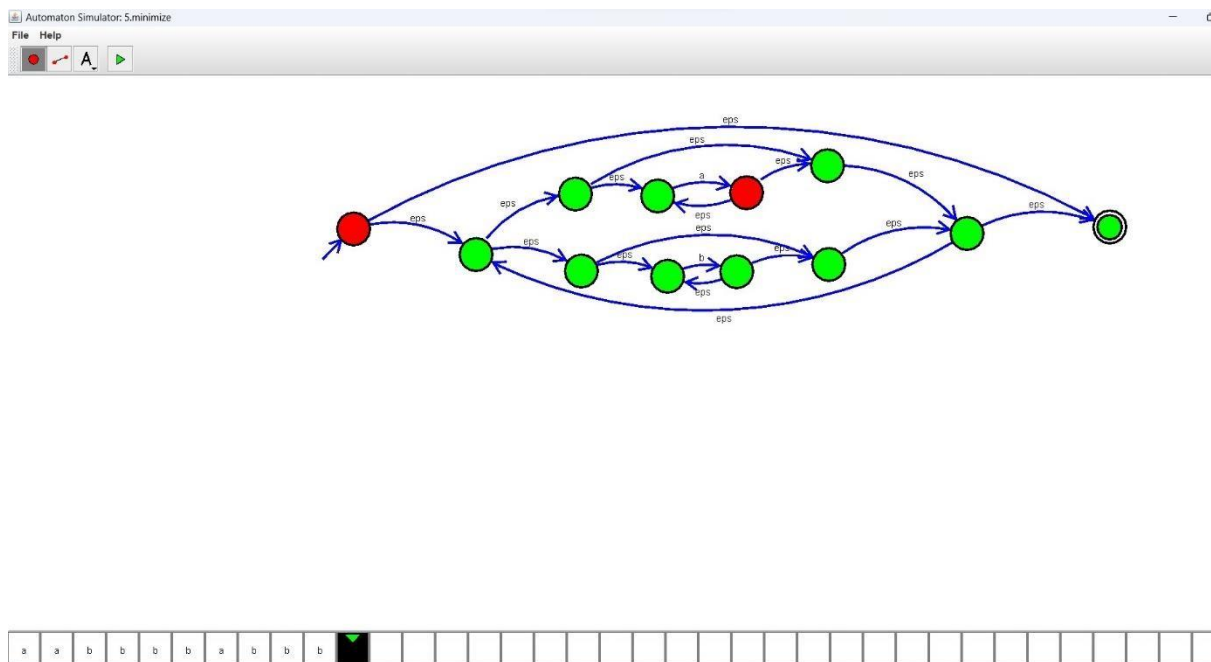
## 2.1 Minimize the DFA given below:

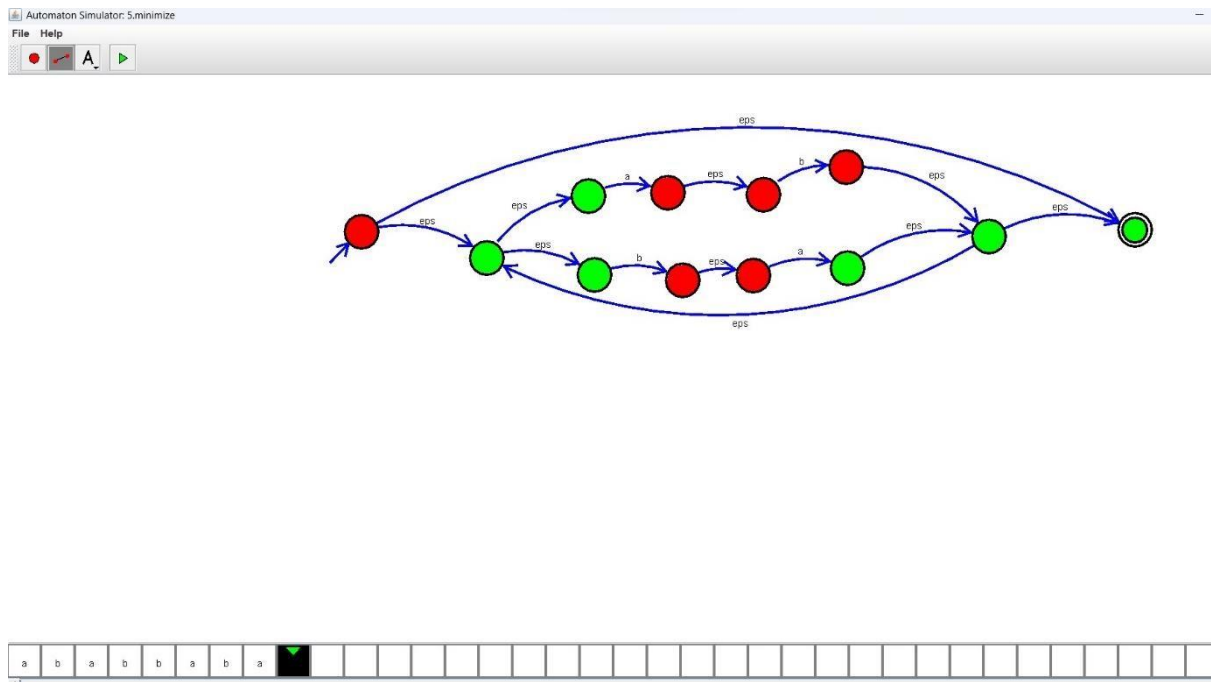## 2.2 Identify the language defined by the r.e:

(0+1)*

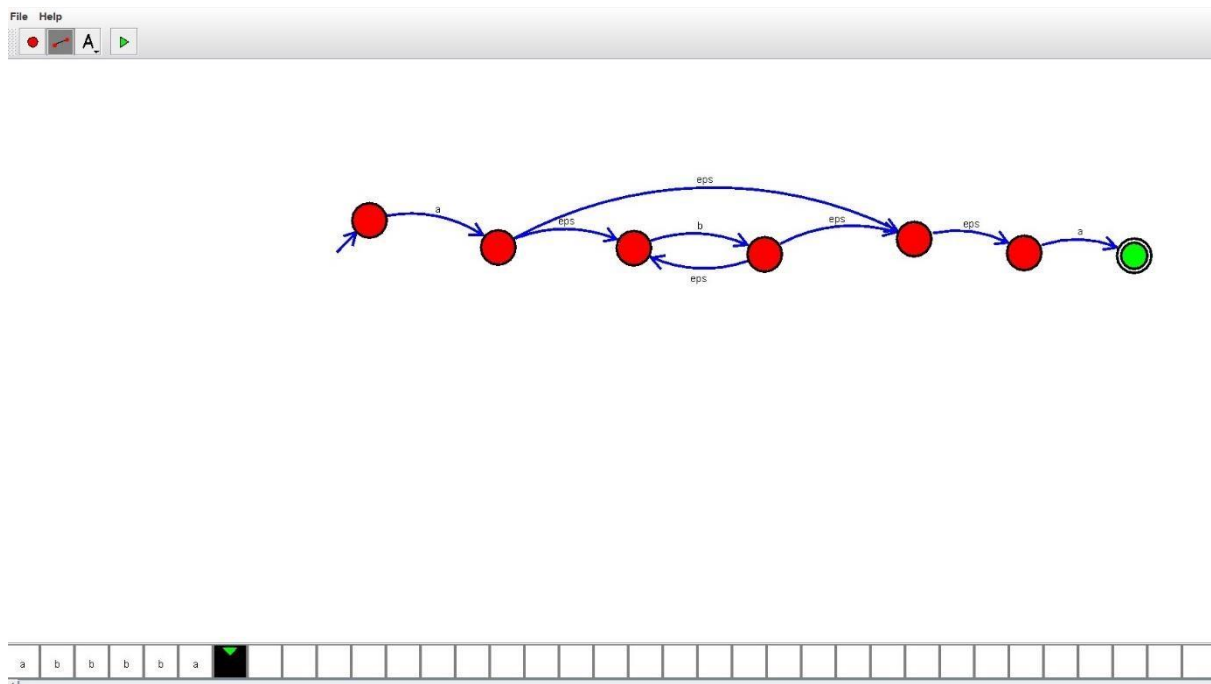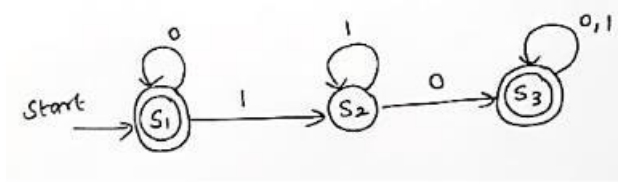## 3.Construct NFA with ε-moves equivalent to the regular expressions given below:
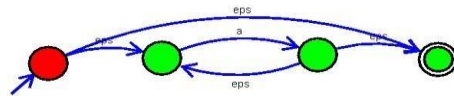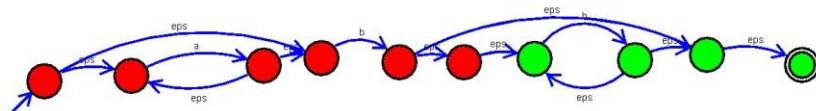
i) (a*+b*)*

ii) (01 + 10)*



iii) ab*a



**4. Construct r.e. from the DFA given below:**

S1: a*





S2:a*bb*

S3: a*bb*a(a+b)*