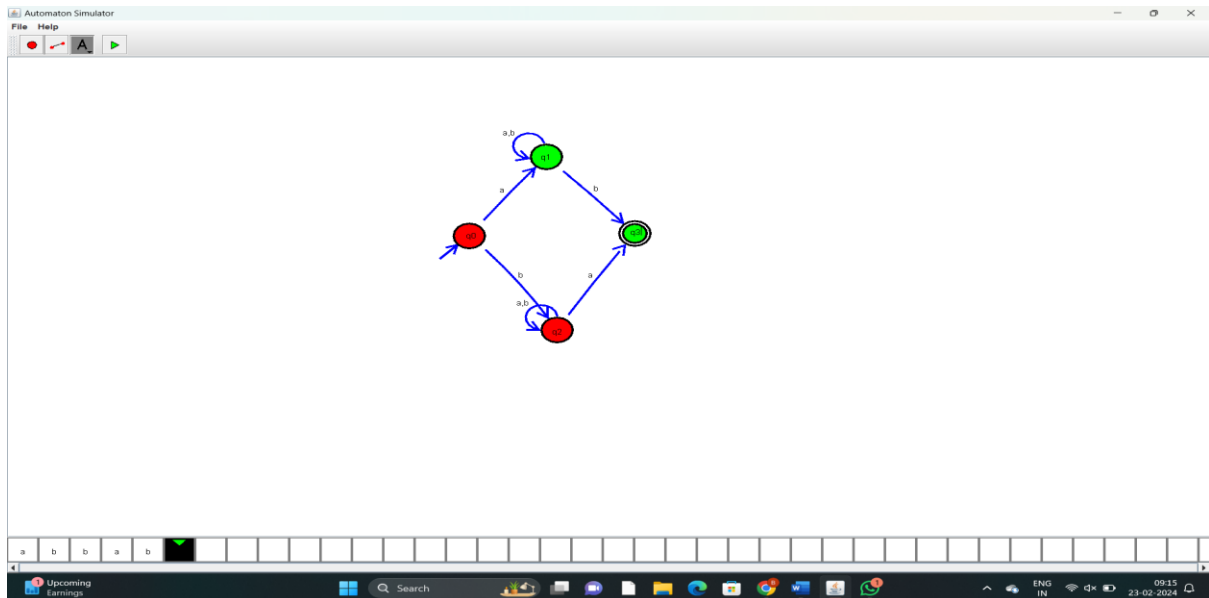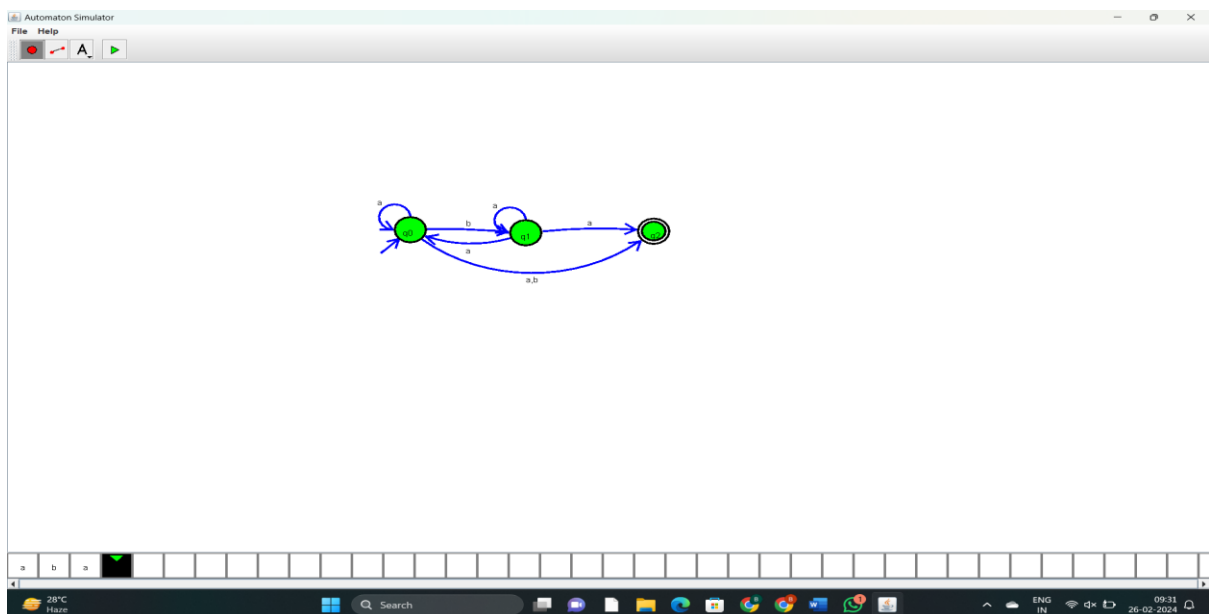**DAY2**

**THEORY OF COMPUTATION**

**PRATICAL SESSION**
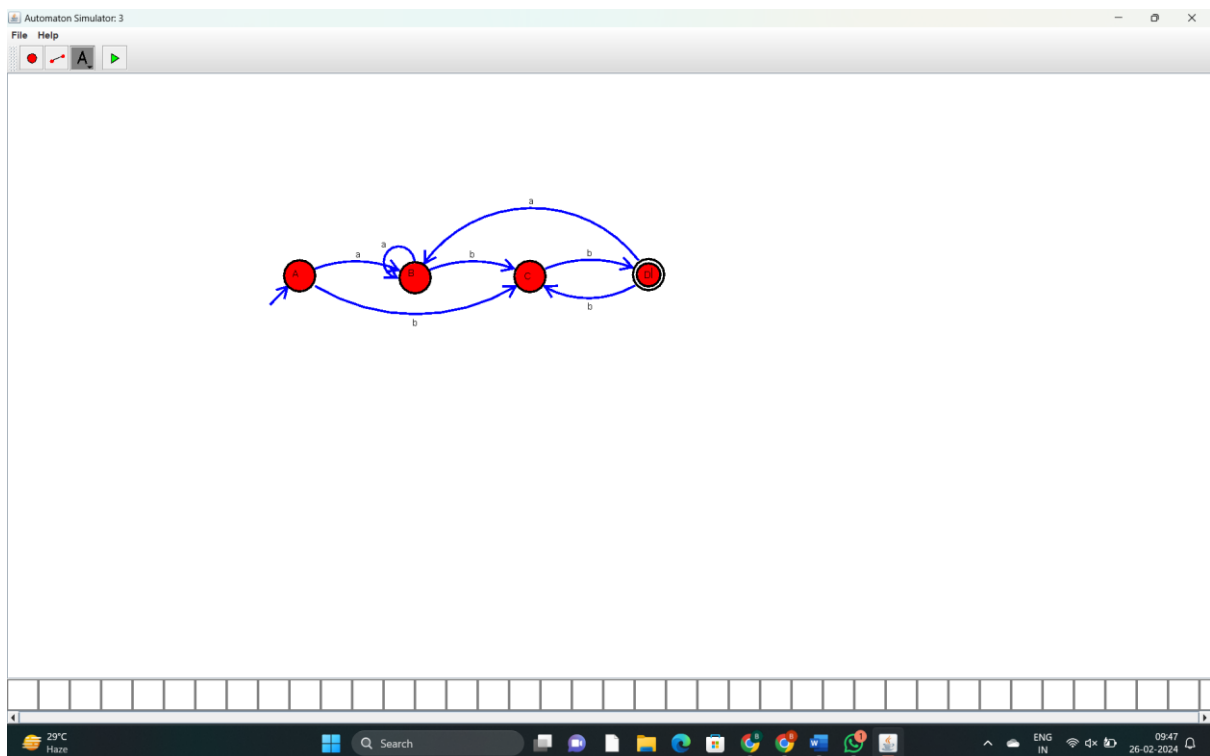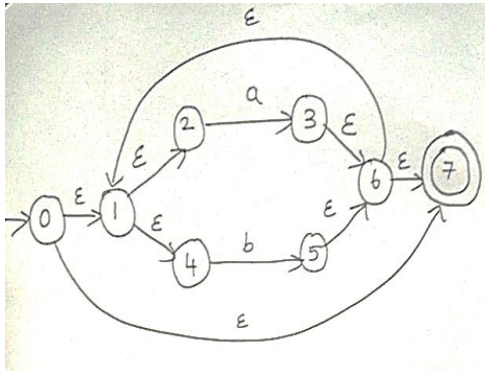
## 2.3) Construct an NFA for binary strings that start and end with different digits.



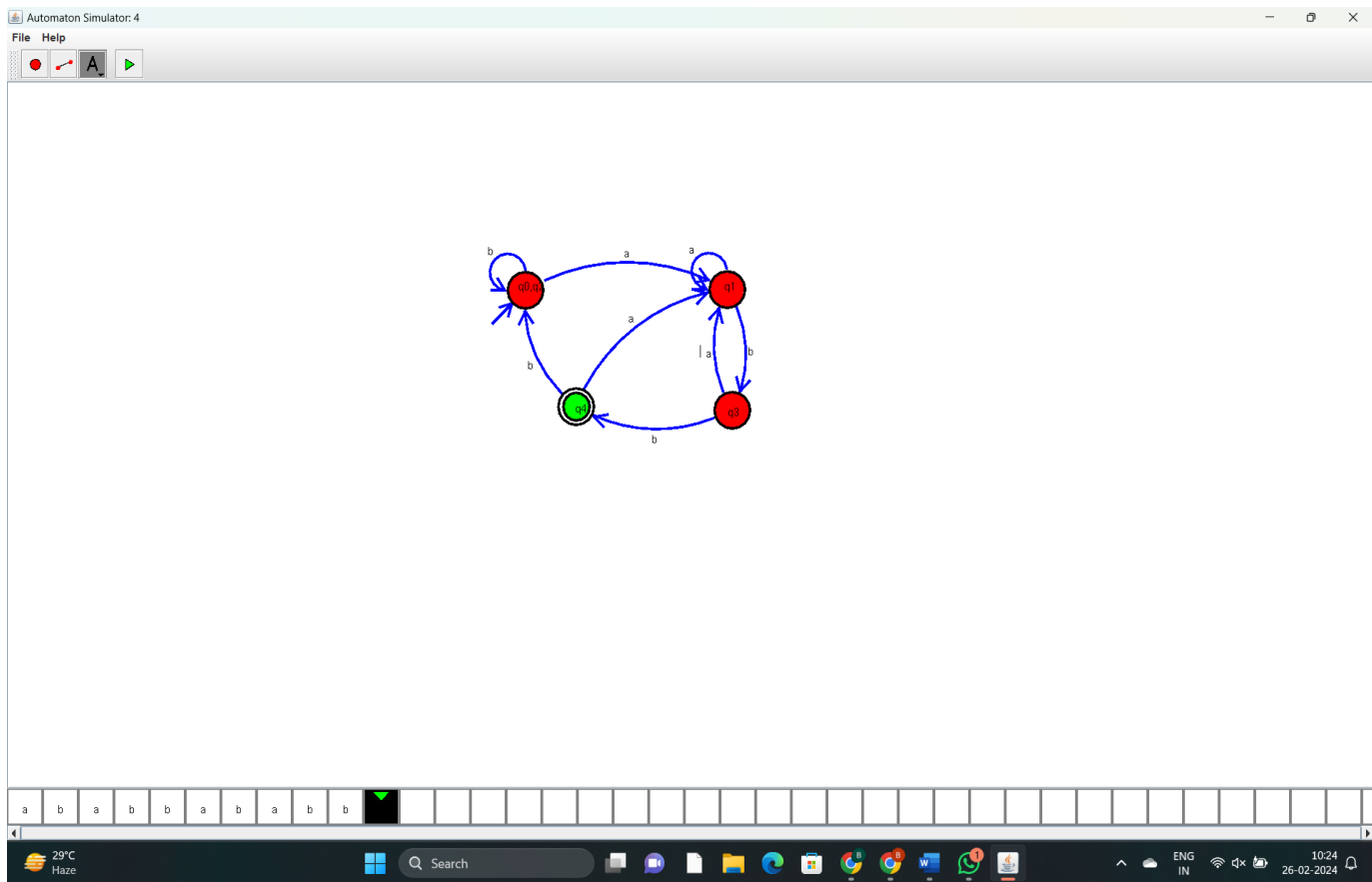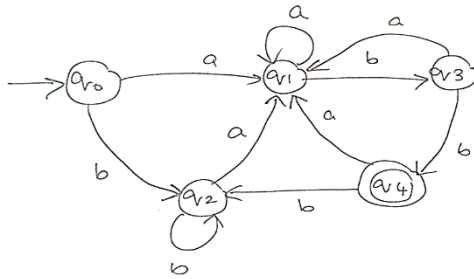## 3. Construct an NFA without ϵ-moves equivalent to the NFA with ϵ-moves given

**4. Construct a DFA equivalent to the NFA with ε-moves given below:**

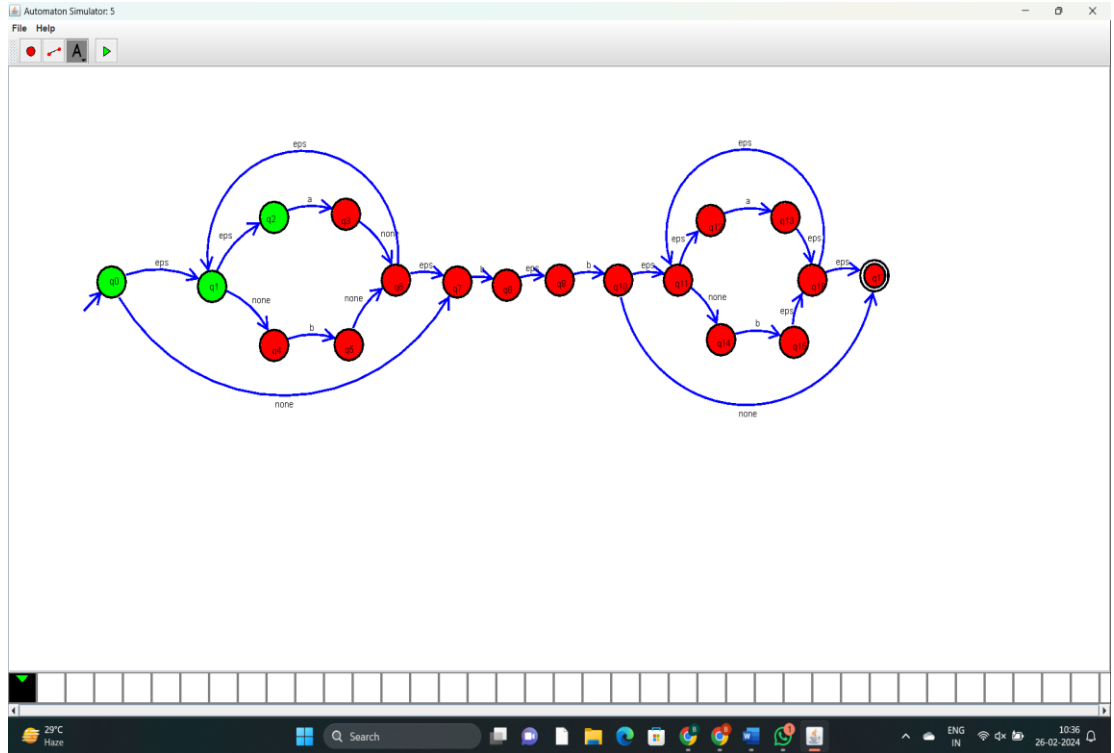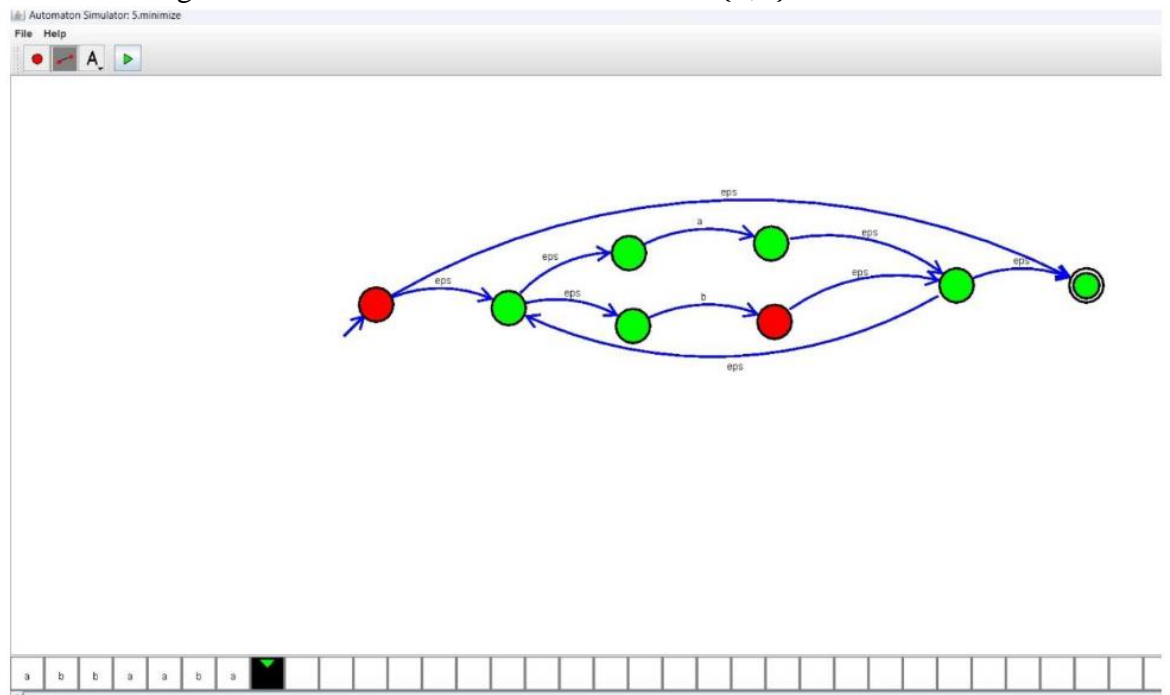## 5.Minimize the DFA given below:

## 6.Define r.e. for the following languages:

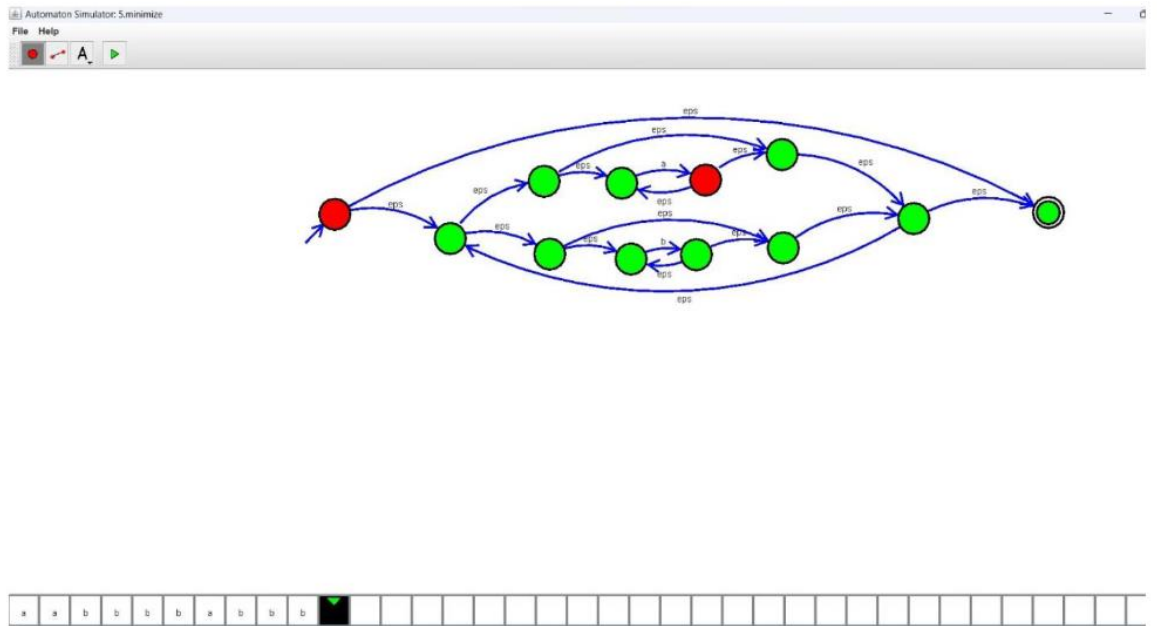i)    Set of all strings of a's and b's having bb as a substring



ii)   Set of all strings that start with a and end with b over Σ={a,b}

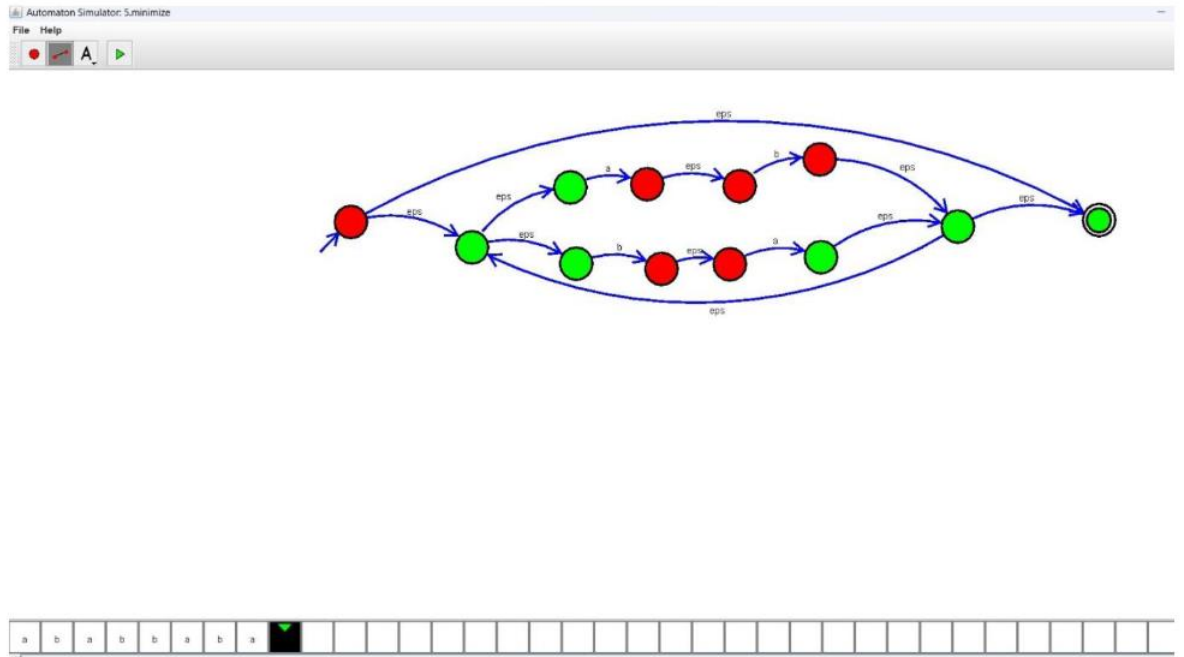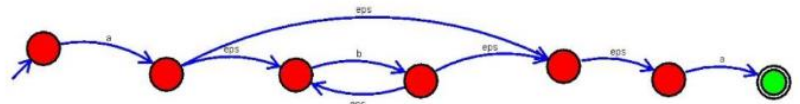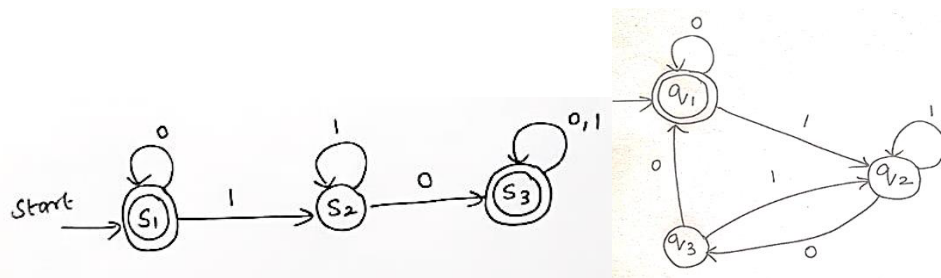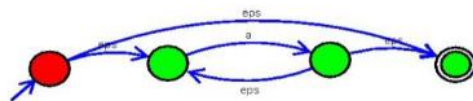## 7. Identify the language defined by the r.e:
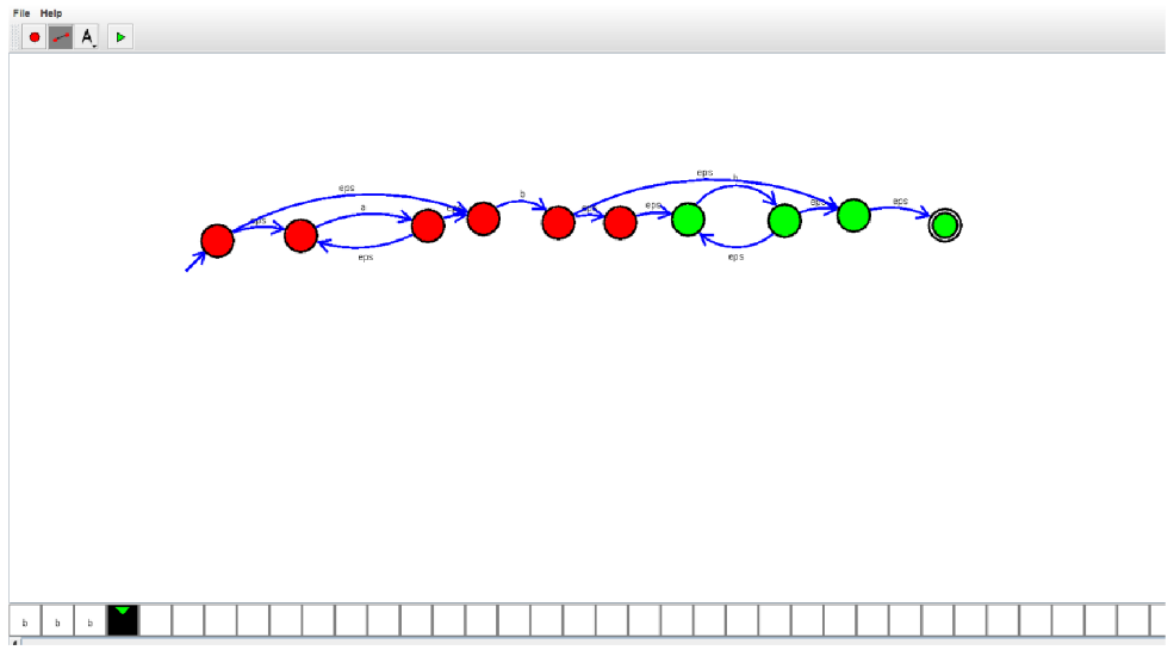
i)    (a*+b*)*



ii)   (01+10)*

iii)    ab*a

8. Construct r.e. from the DFA given below:



S1: a*

S2: a*bb*



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