

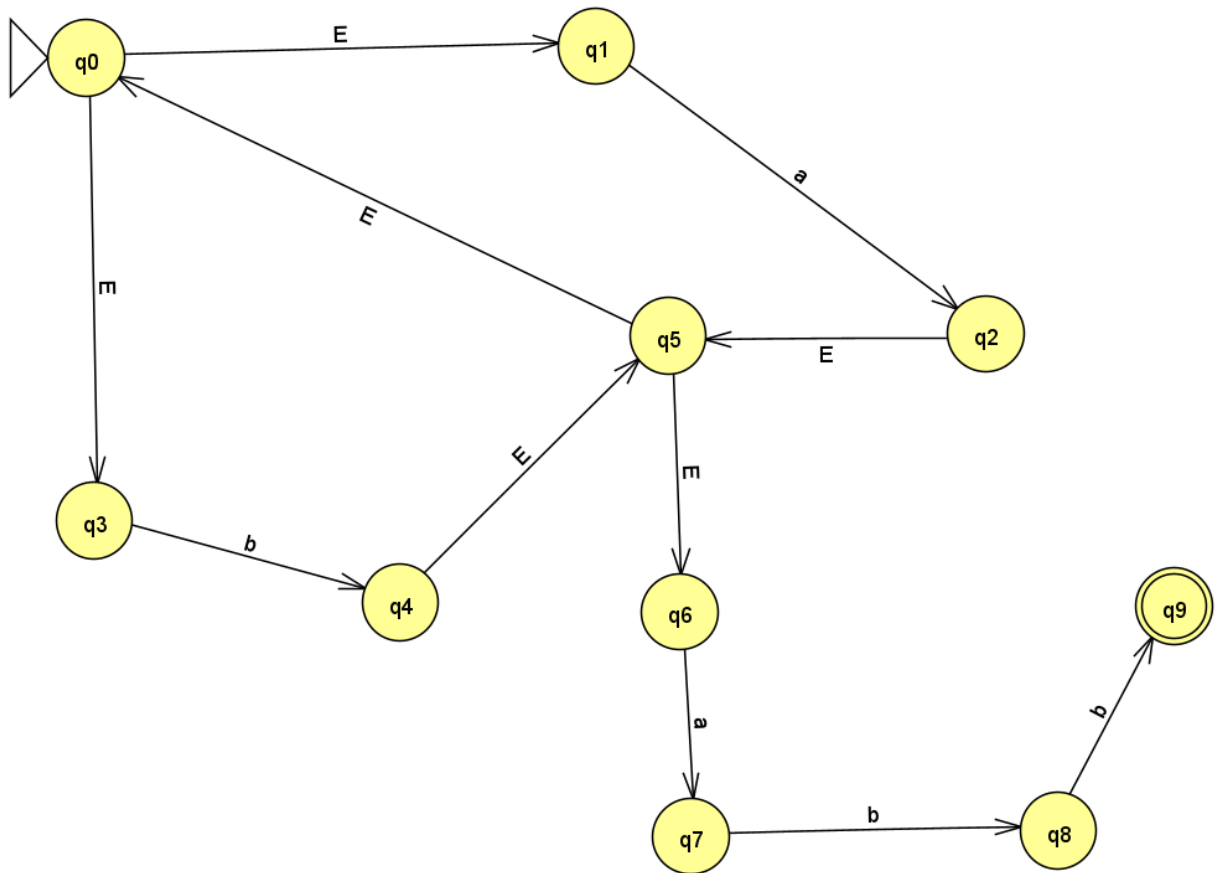
Theory of Computation

Simulation Using JFLAP Tool

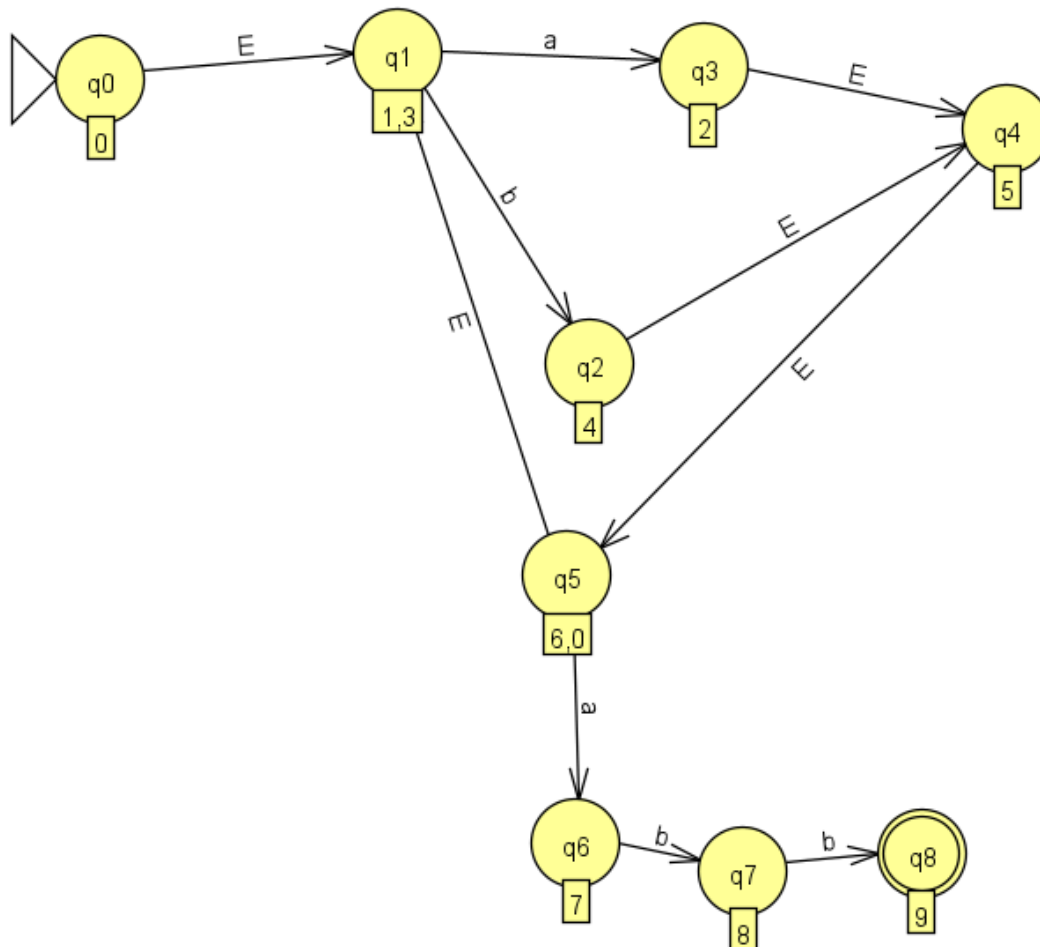
Meenakshi H - 2312055

1. $(a+b)^*abb$:-

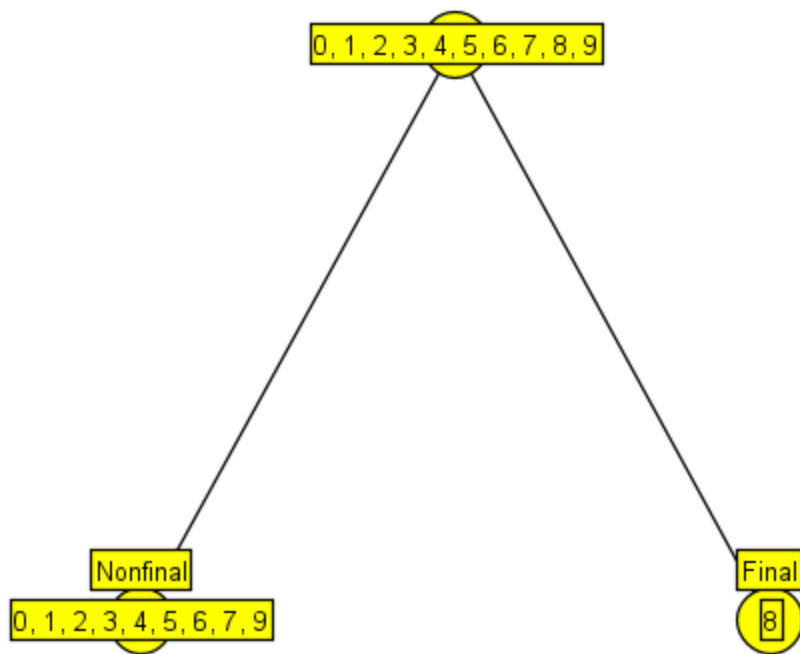
NFA:-



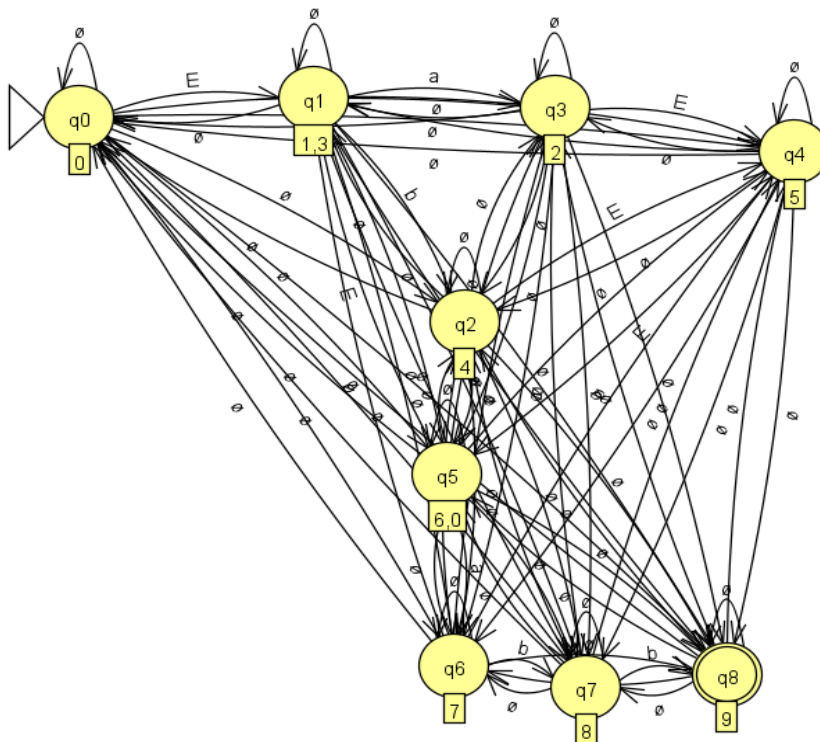
DFA :-

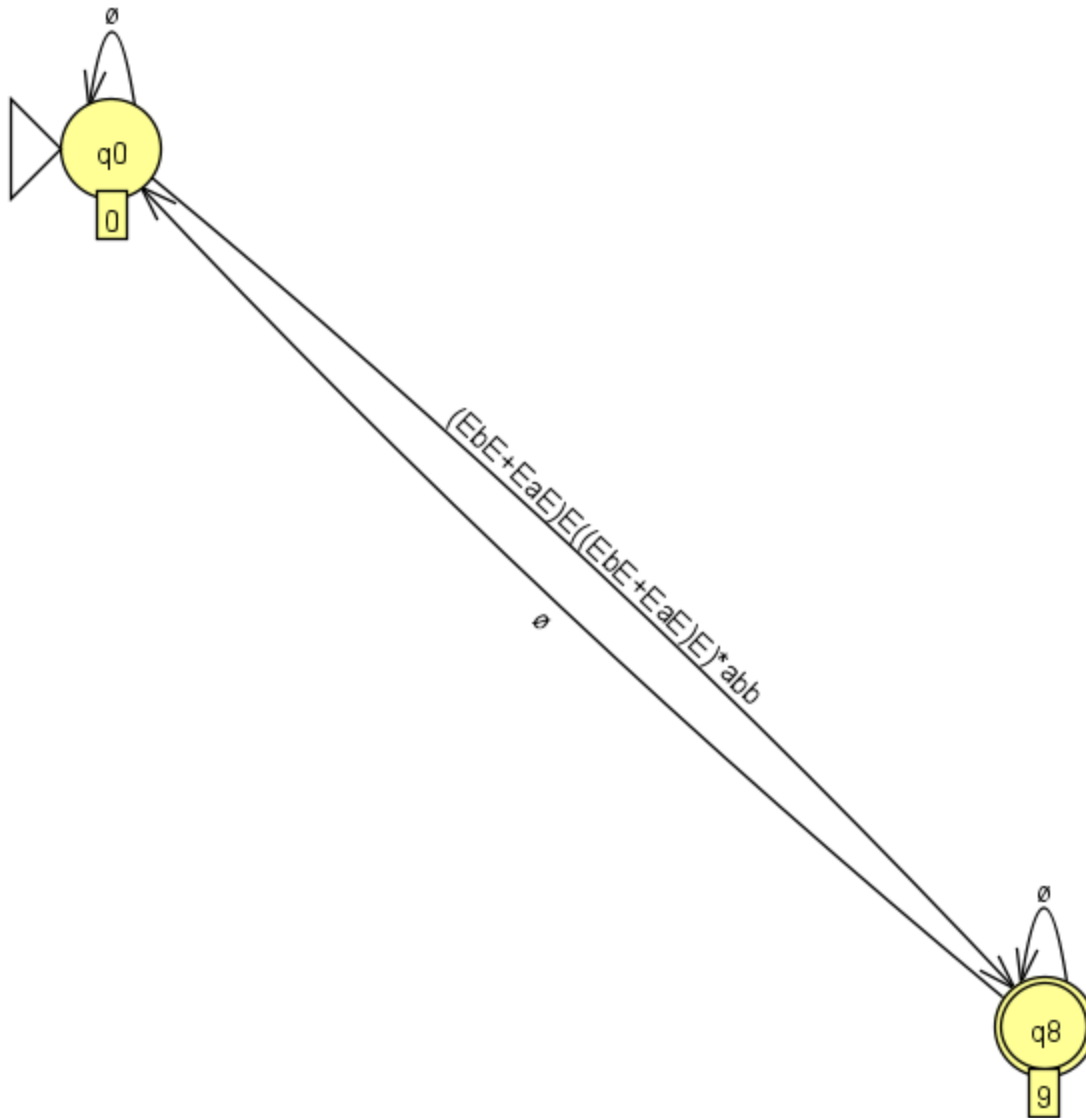


Minimize DFA :-



Regular Expression:-



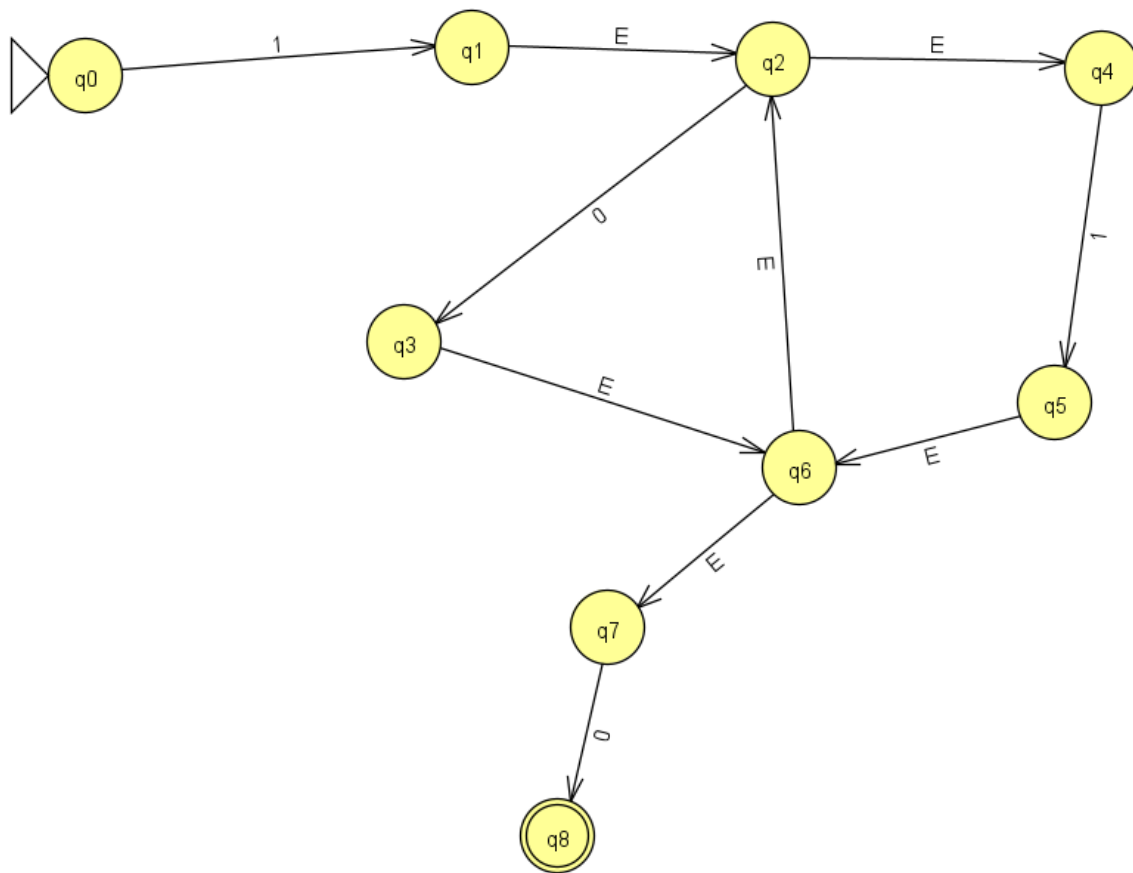


$(EbE+EaE)E((EbE+EaE)E)^*abb$

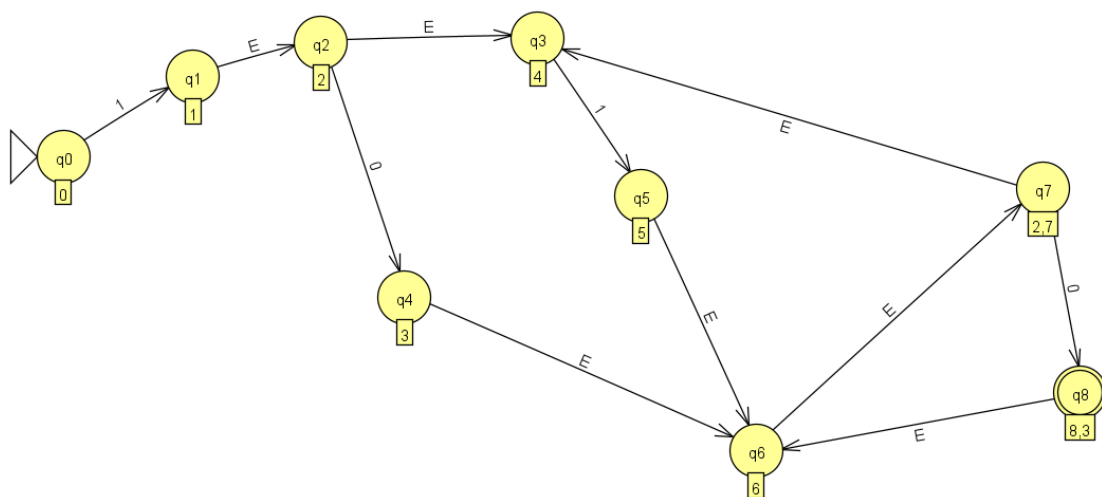
This is the regular expression (E- \rightarrow Epsilon)

2. $1(0+1)^*0$

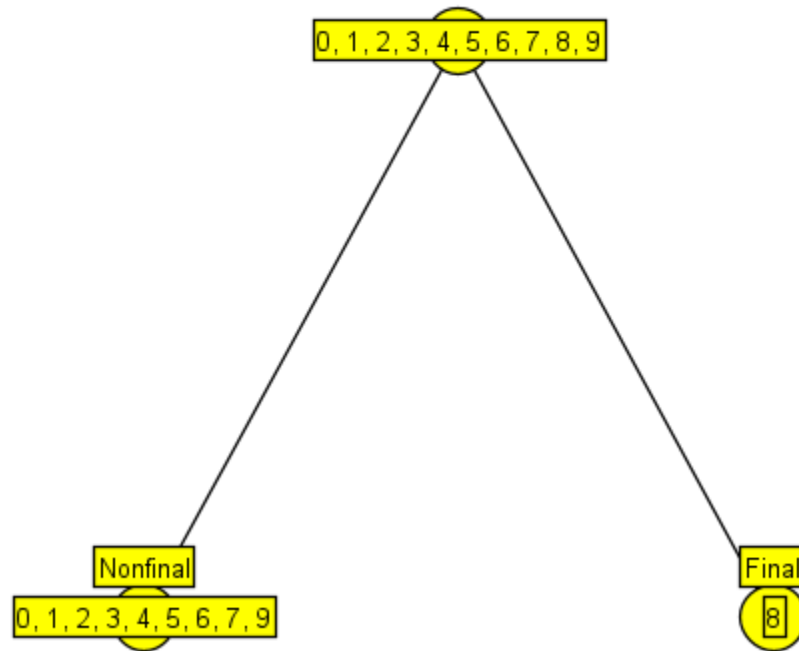
NFA :-



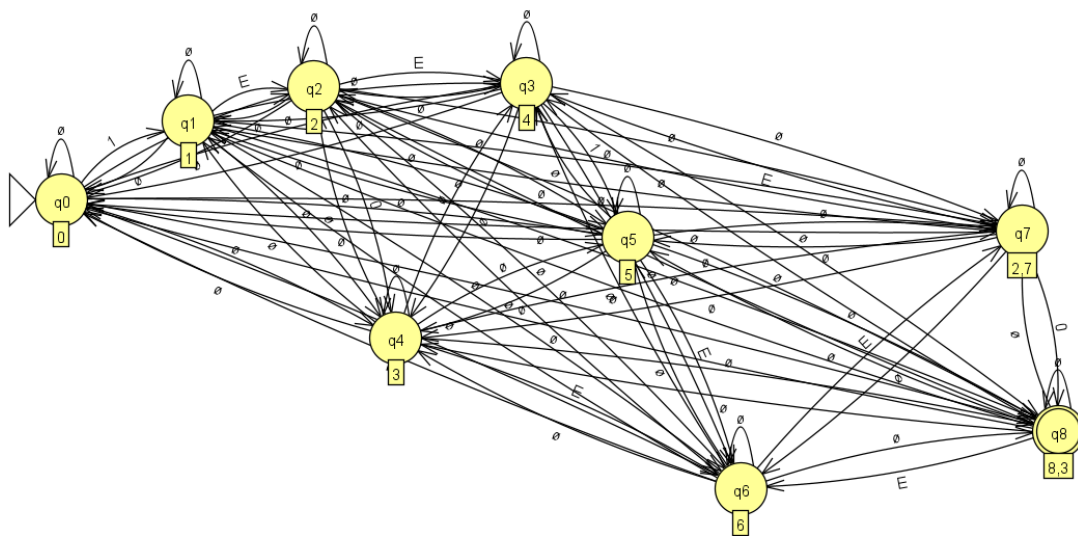
DFA :-

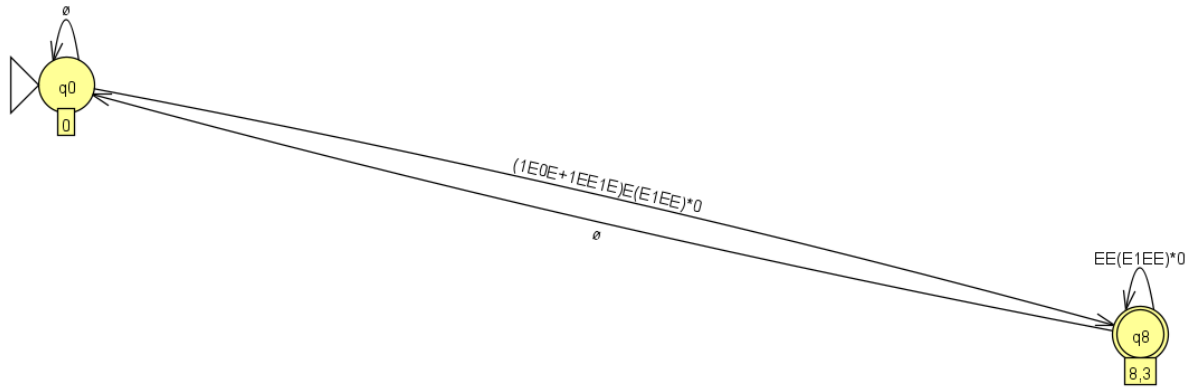


Minimization : -



Regular expression:-





$(1E0E+1EE1E)E(E1EE)^*0(E1EE)^*0$

This is the Regular Expression