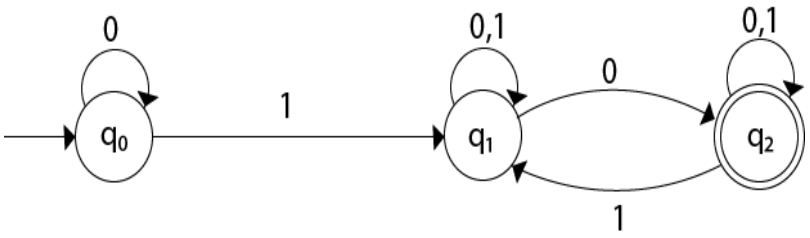
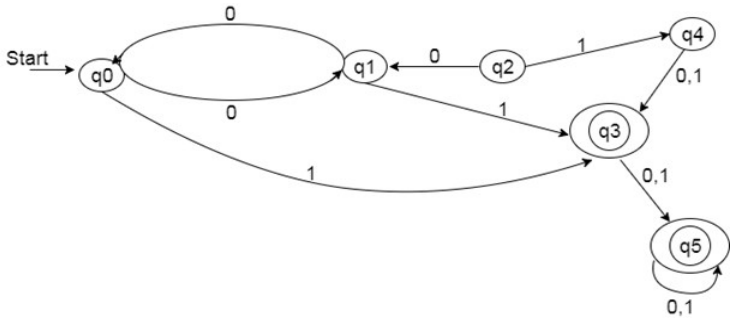
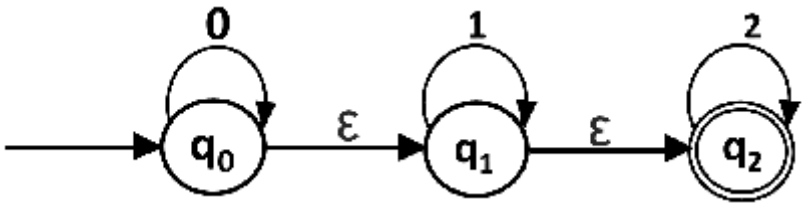
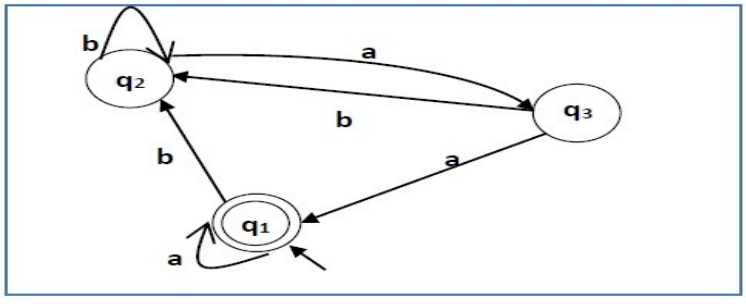
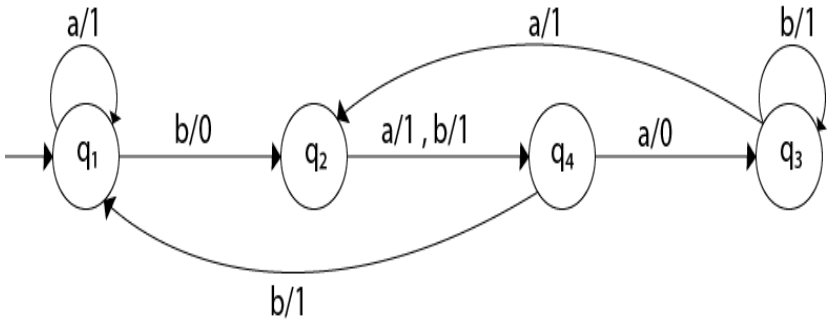
Graphic Era (Hill University), Dehradun

Department of CSE
B.Tech., 4th Sem,
Even Semester (2023-24)
Assignment-2
Finite Automata and Formal Languages (TCS-402)

1	Convert given NFA to DFA 
2	Minimize the following DFA 
3	Convert following epsilon NFA into DFA. 
4	Prove that Language $L=0^n1^n \mid n>0$ is not regular with the help of pumping lemma.
5	Convert given DFA into Regular Expression using Arden's Theorem 

6	Convert given mealy machine to moore machine. 
7	Construct the FA for regular expression 0*1 + 10.