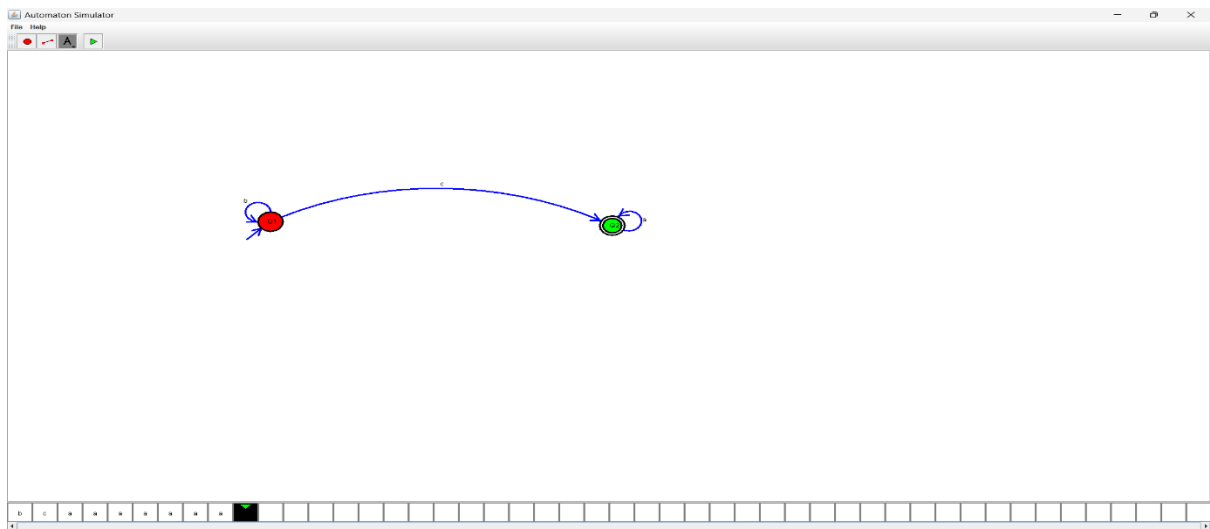
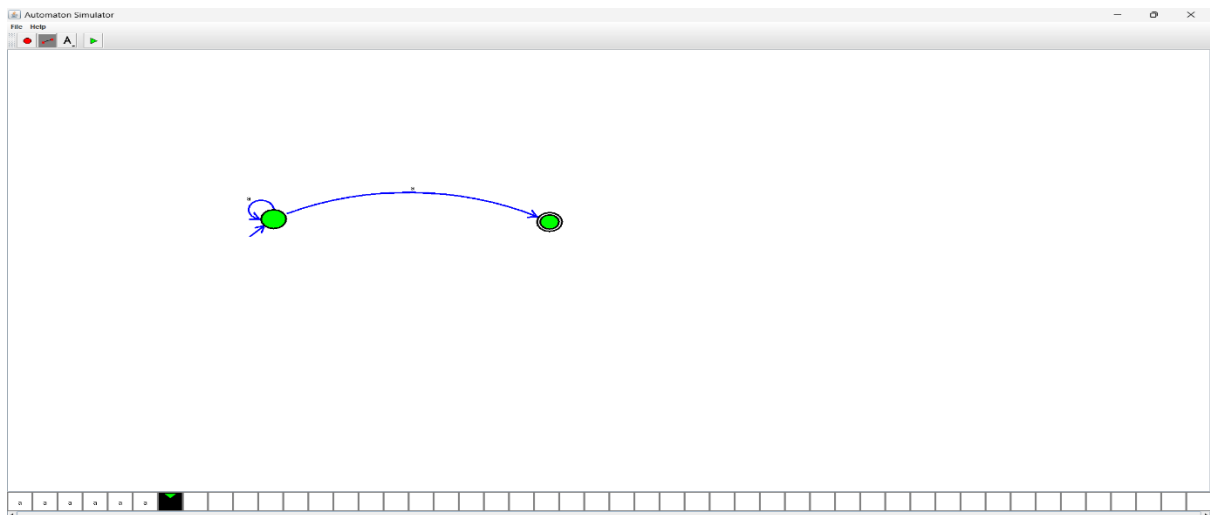


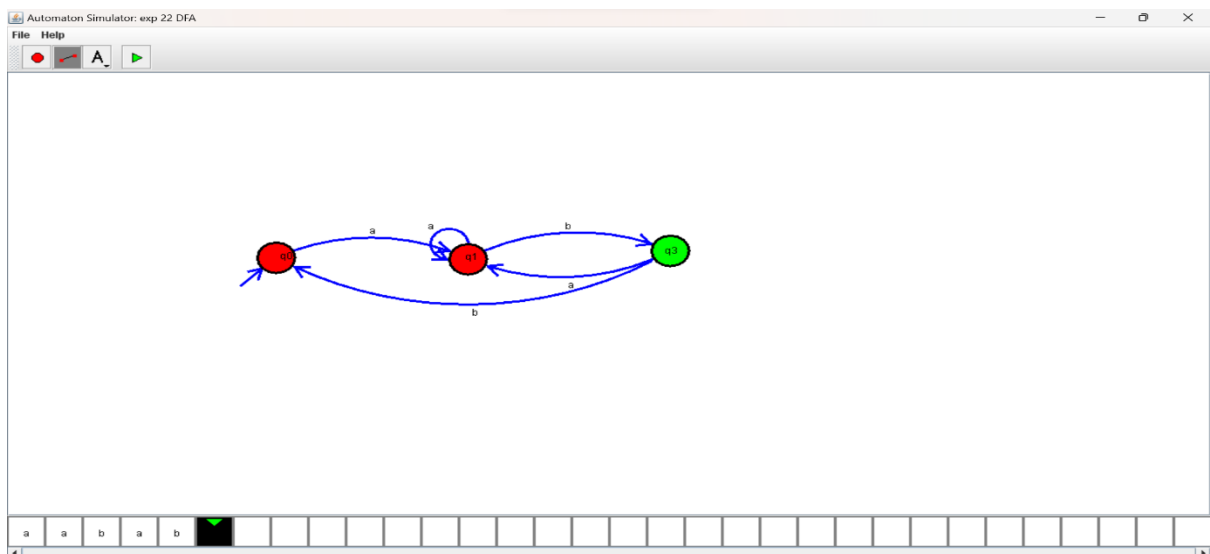
## 1) DFA construction



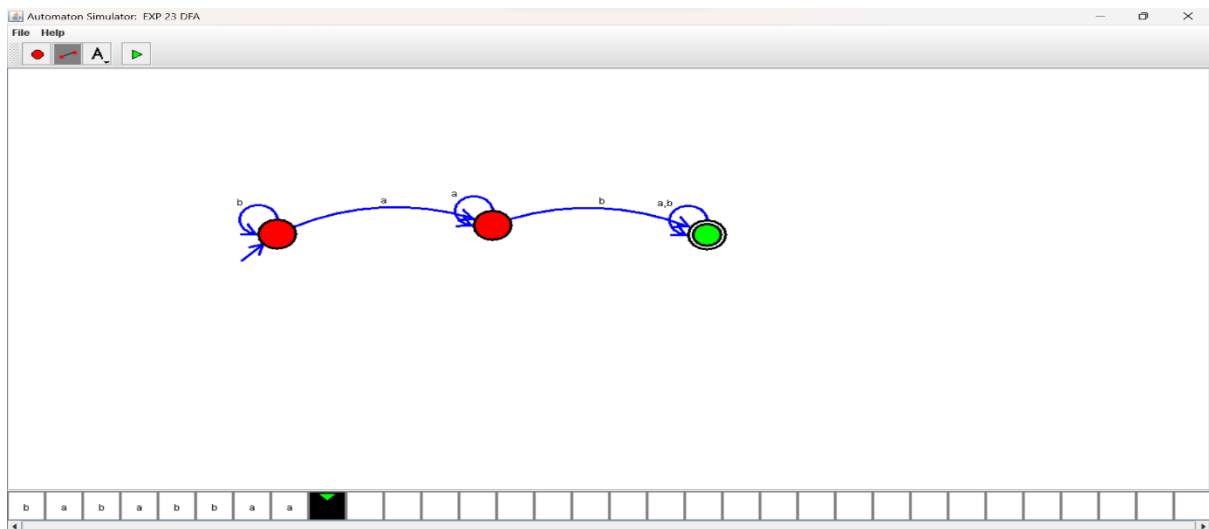
## 2) NFA Construction



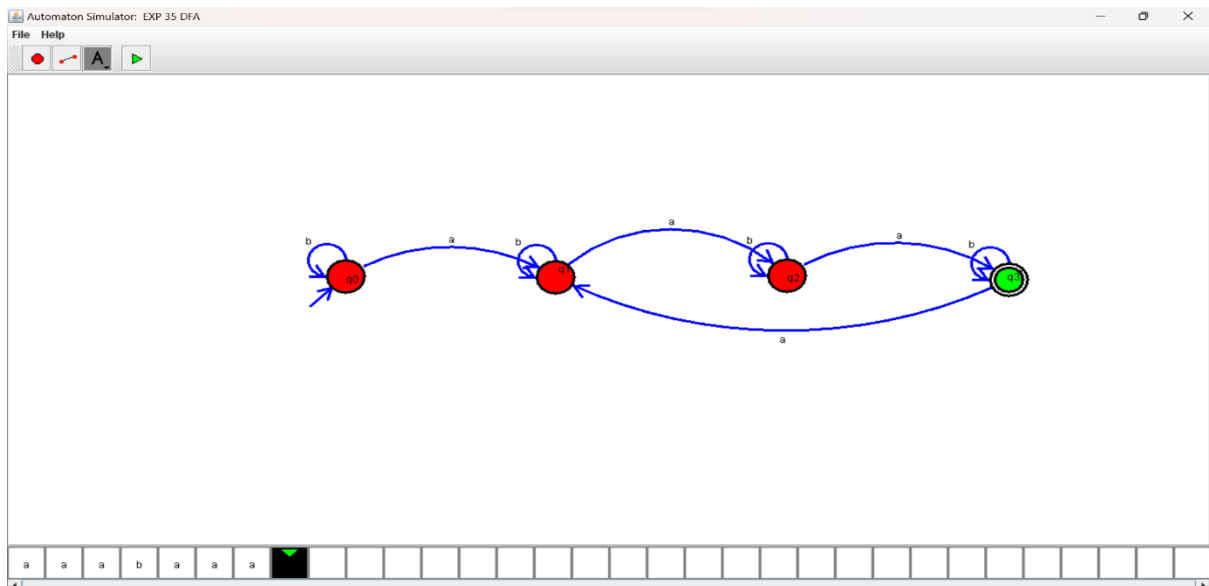
## 3) DFA Having $w = aaabab$



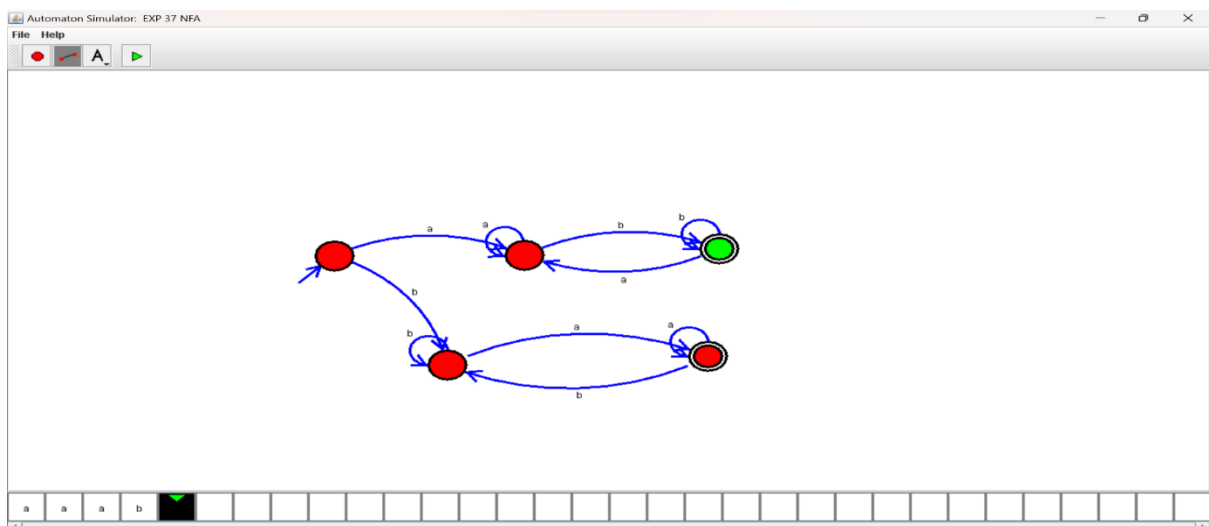
#### 4) DFA Having "ab" as Substring



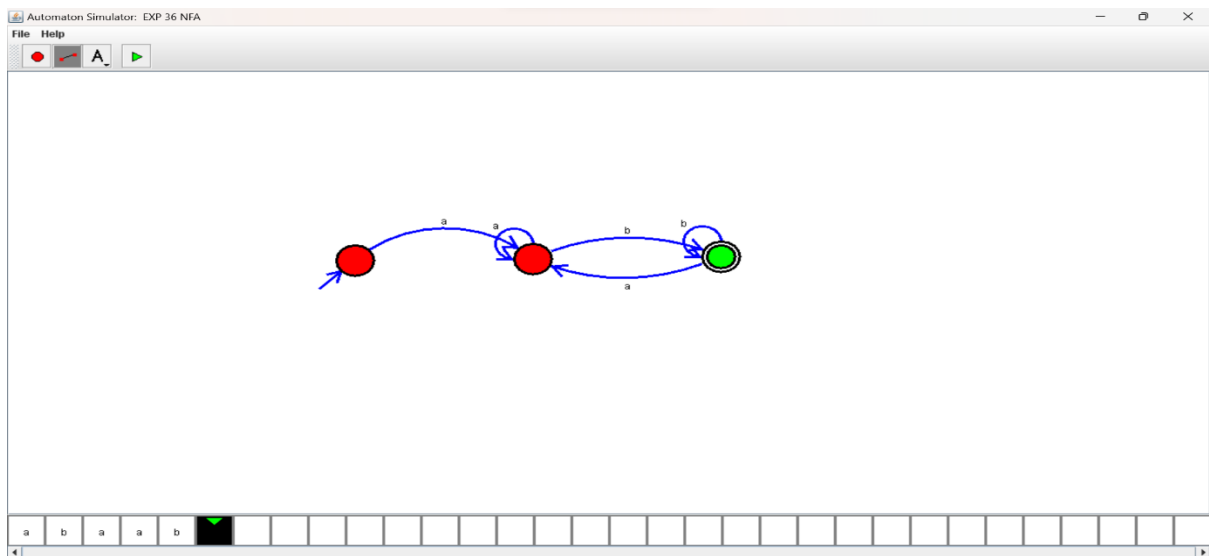
#### 5) DFA where a's always appear triple



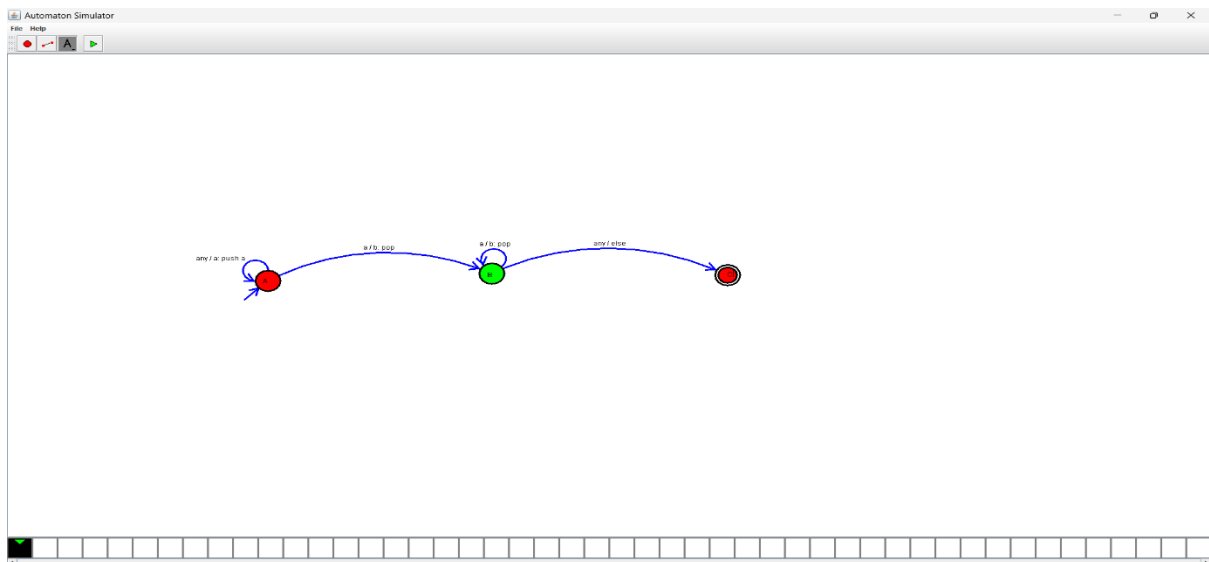
#### 6) NFA with Start And end with different symbols



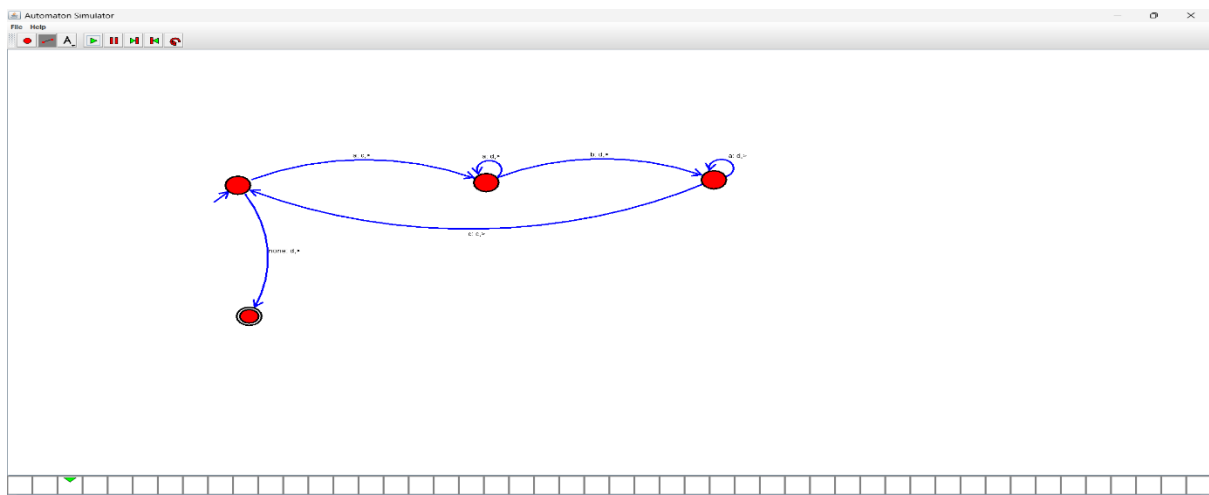
7) NFA starts with a and ends with b



8) PDA  $a^n b^n$



9) Turing Machine  $a^n b^n$





The screenshot shows the 'Automaton Simulator' window. The main area displays a finite state automaton with five states (red circles) and several transitions (blue arrows). The transitions are labeled with input/output pairs, such as 'A: 0,0', 'B: 0,0', 'C: 0,0', and 'D: 0,0'. The interface includes a menu bar (File, Help), a toolbar with icons for file operations and simulation, and a bottom status bar with a sequence of input symbols: 'a', 'b', 'b', 'b', 'b', 'c', followed by a black square and several empty boxes.

