

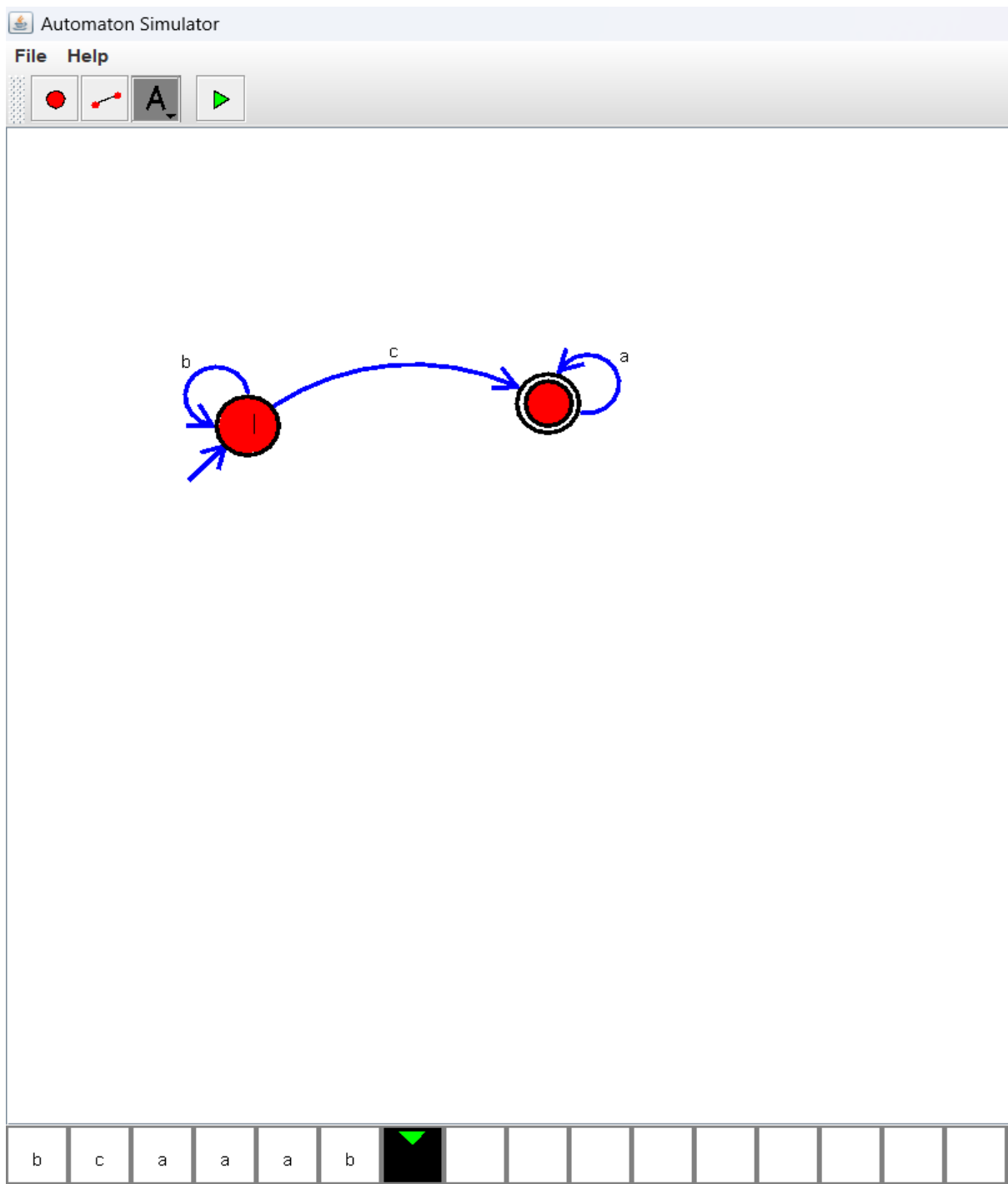
CSA1354 – Theory of Computation with Productions

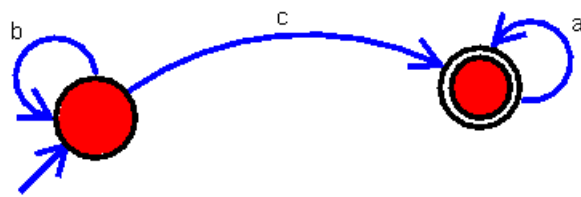
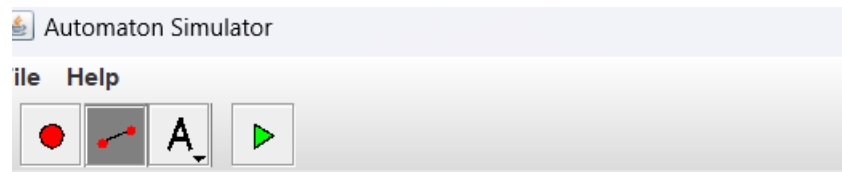
Lab Experiments – Slot A

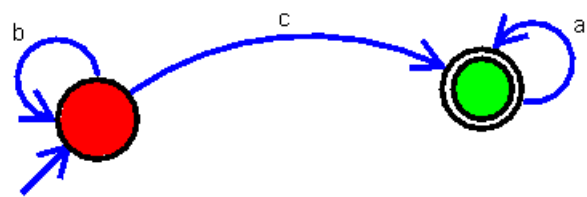
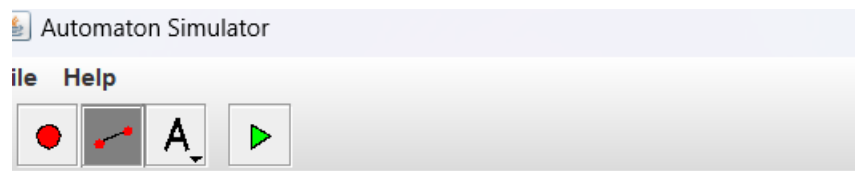
Name :- Aswini . P

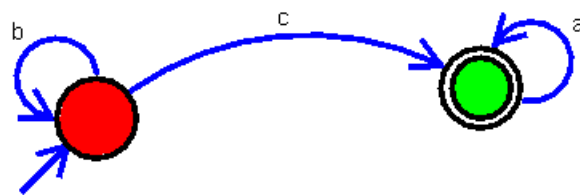
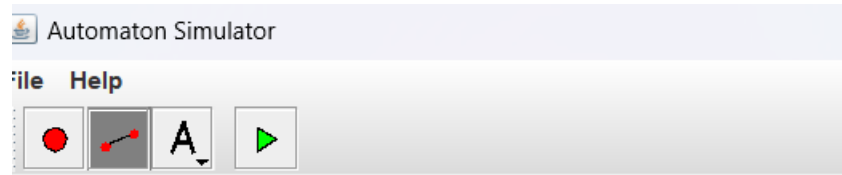
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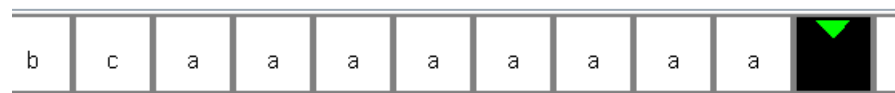
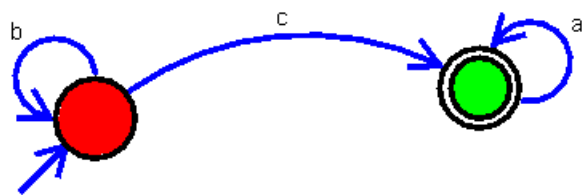
1.Design DFA to accept bcaaaaaaaaaaaaaaa, bc, and c.

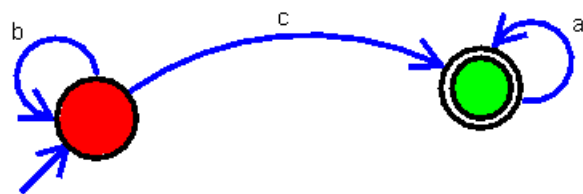
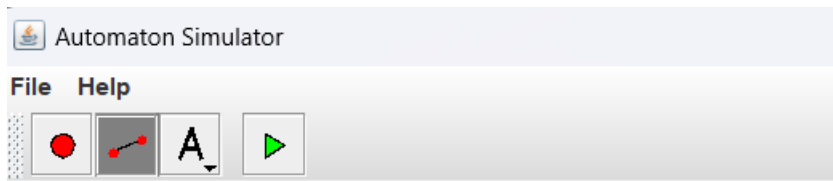


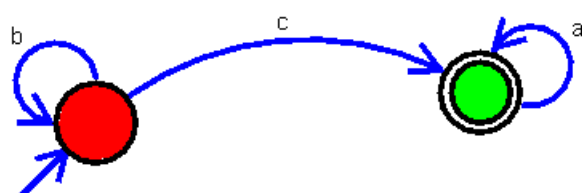
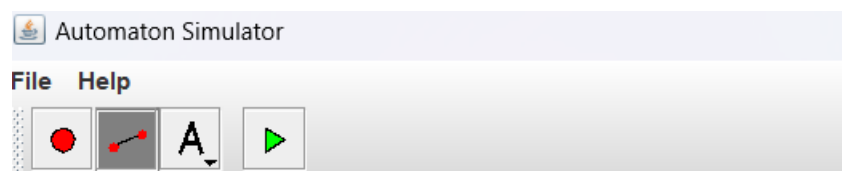




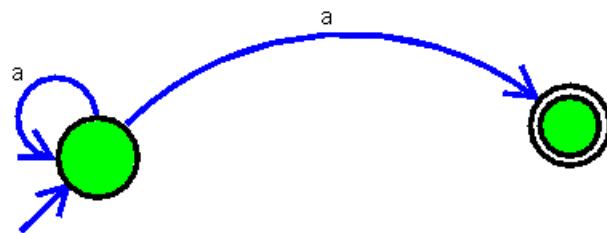
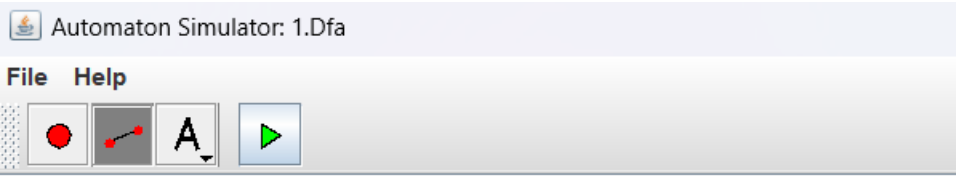


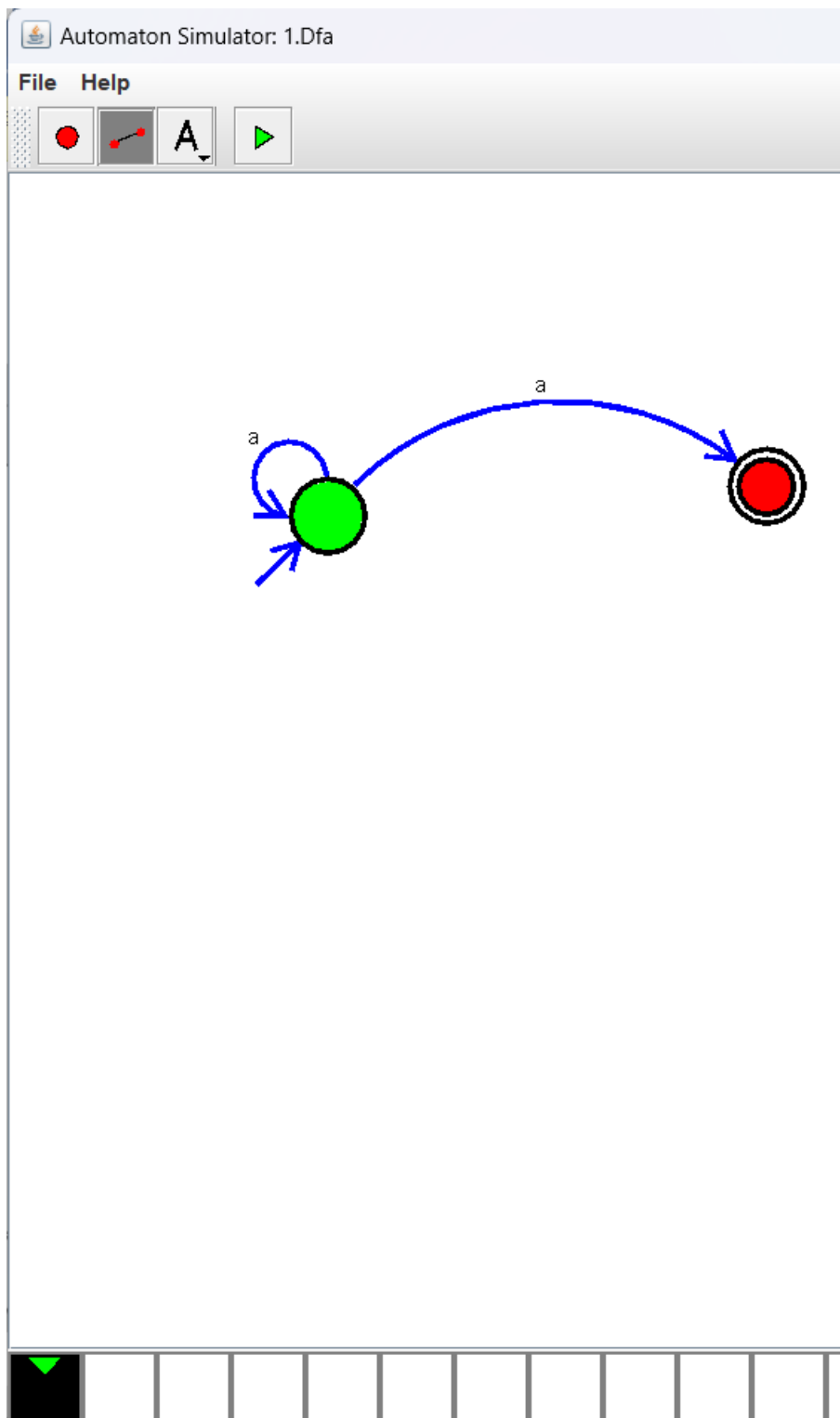


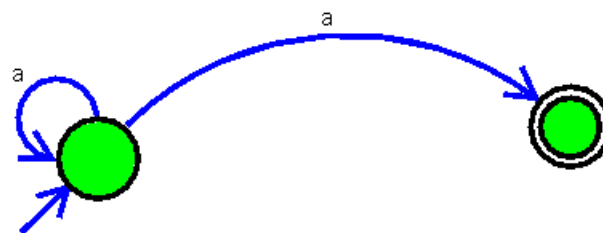
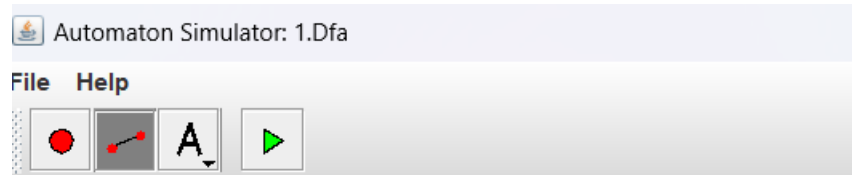




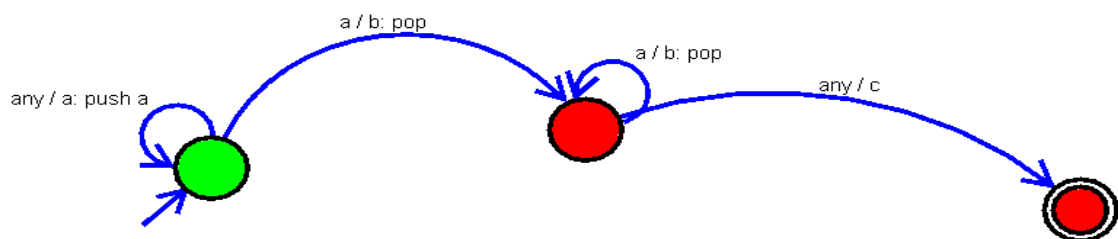
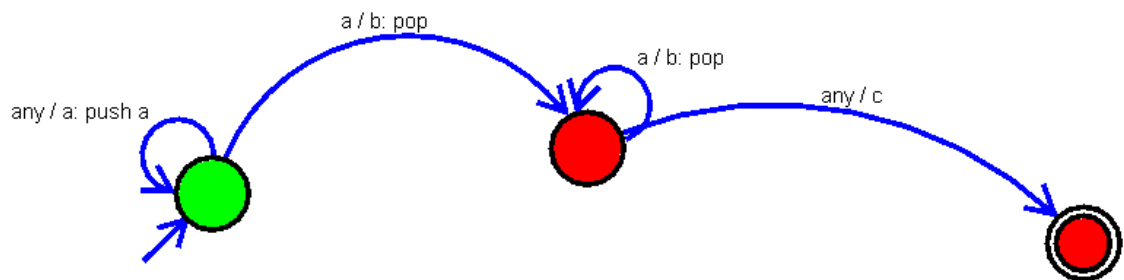
2. Design NFA to accept aaaaaa.

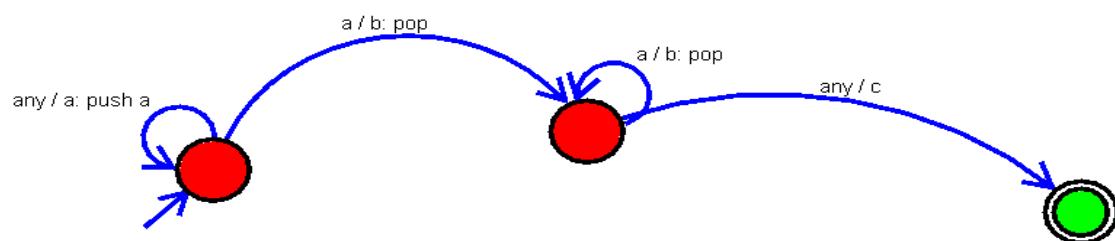
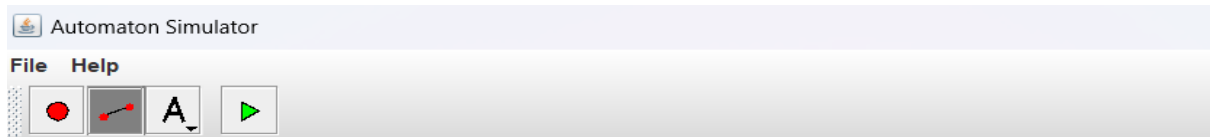
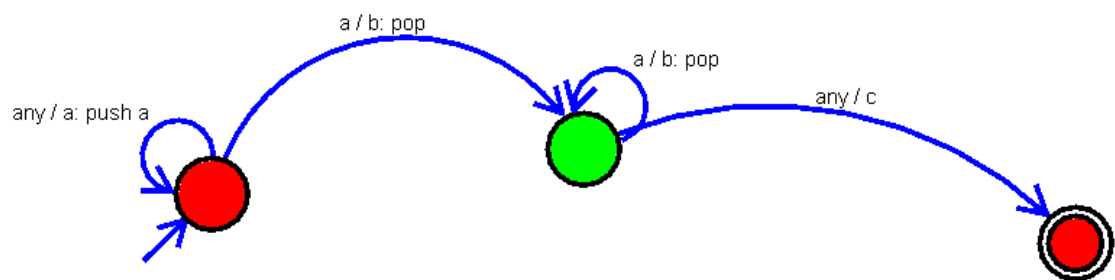
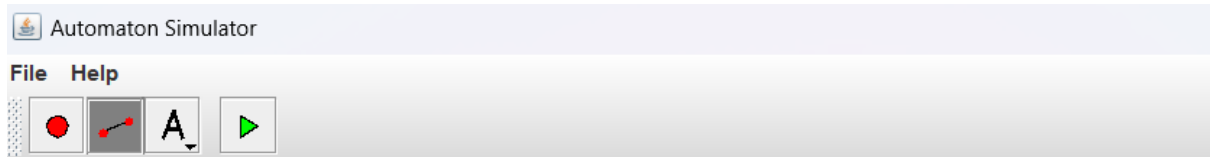






3. Design PDA for the input a^nb^n .

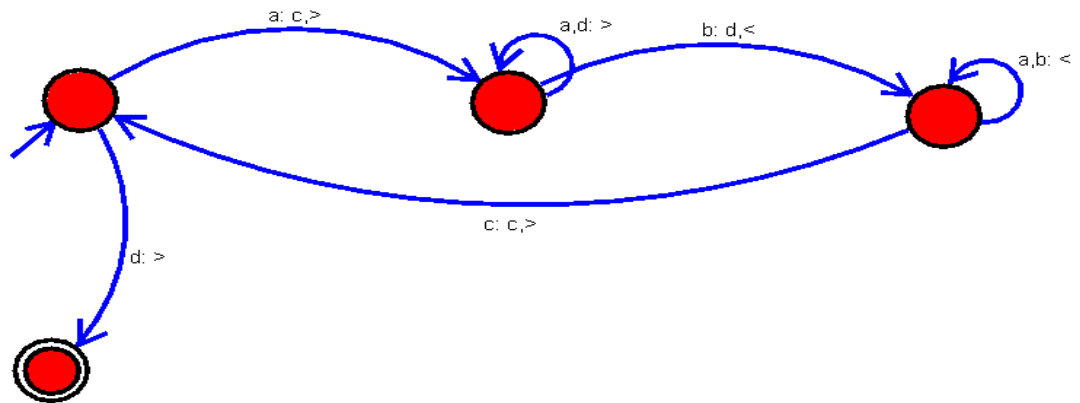




4. Design Tm For input a^nb^n .

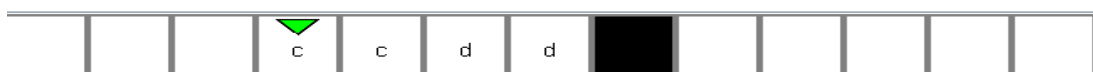
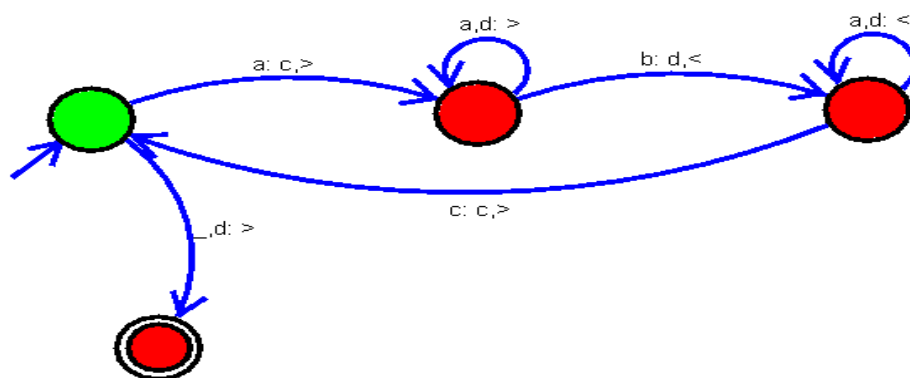
Automaton Simulator: 3.pda

File Help

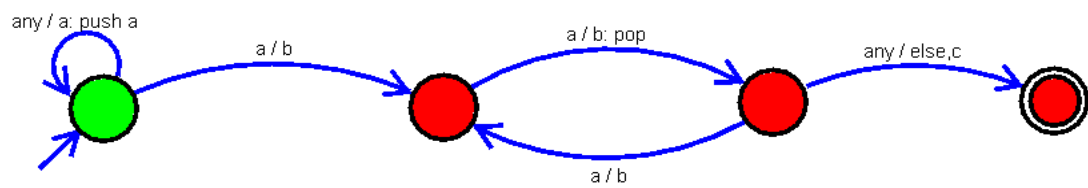
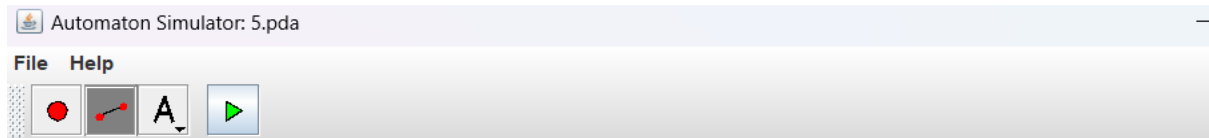
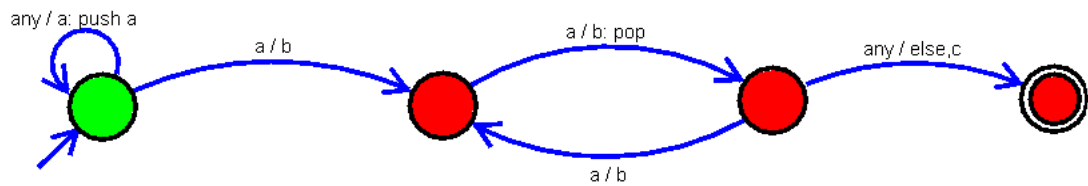
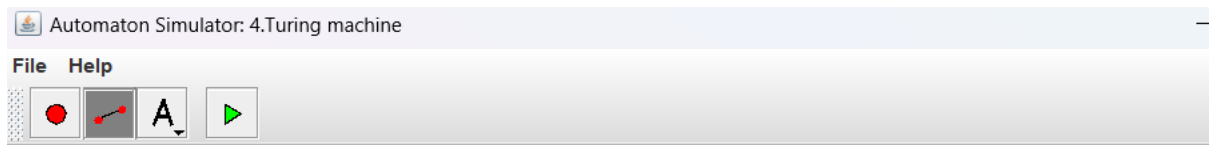


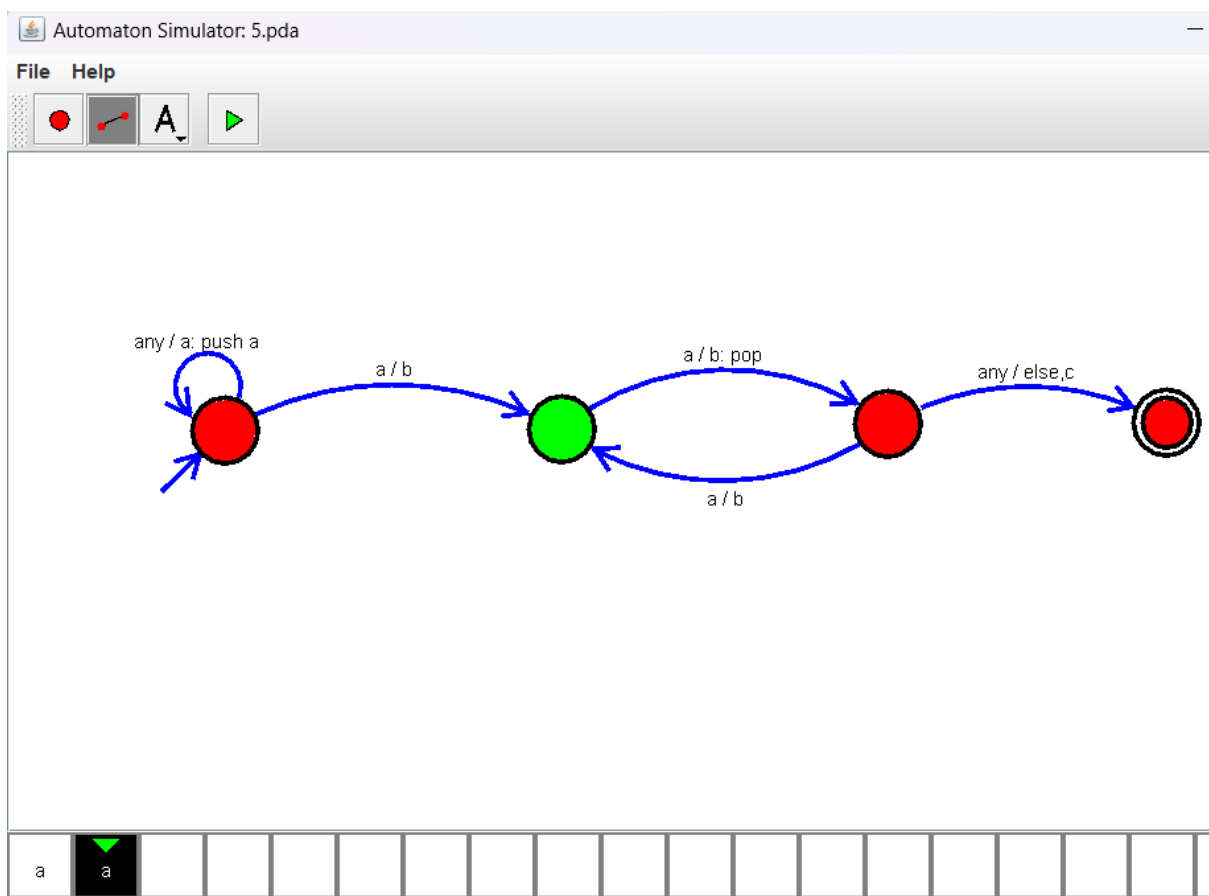
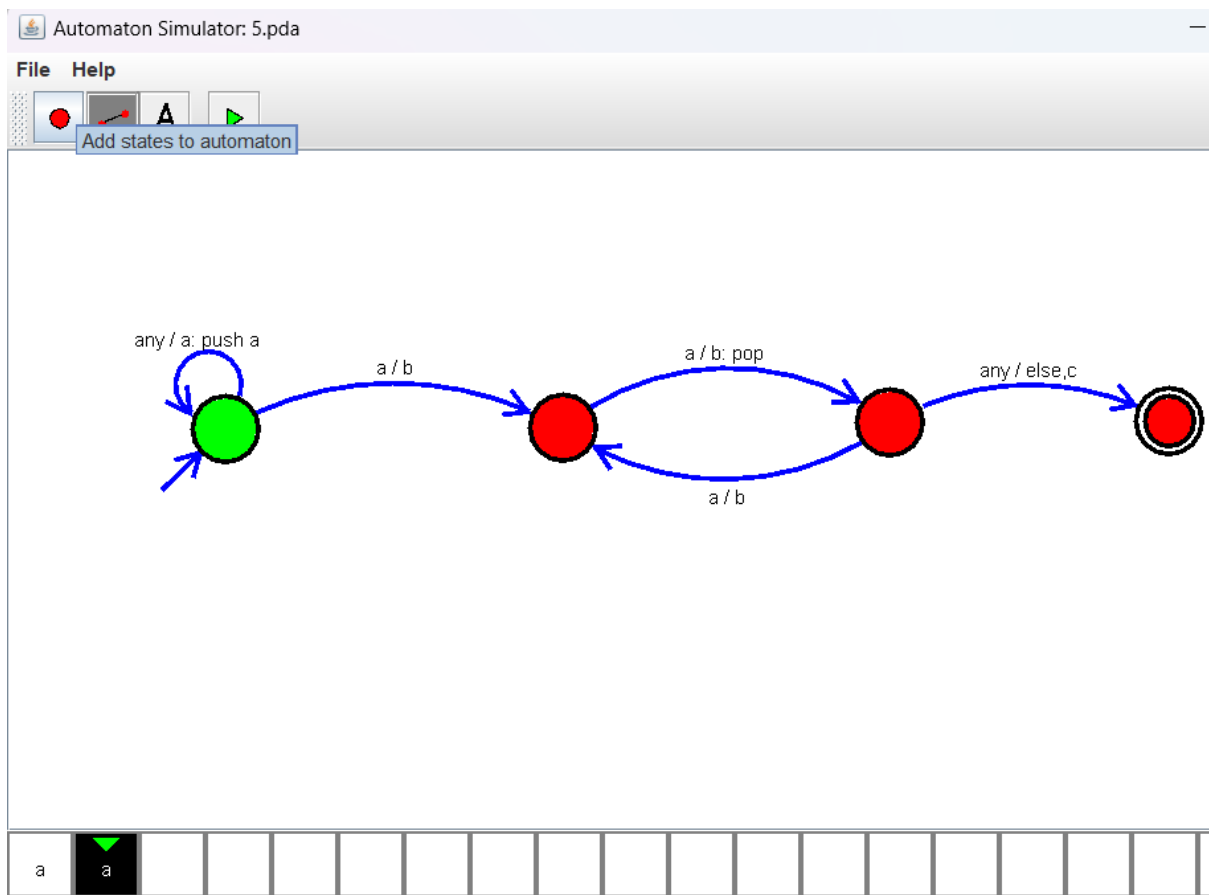
Automaton Simulator: 4.Turing machine

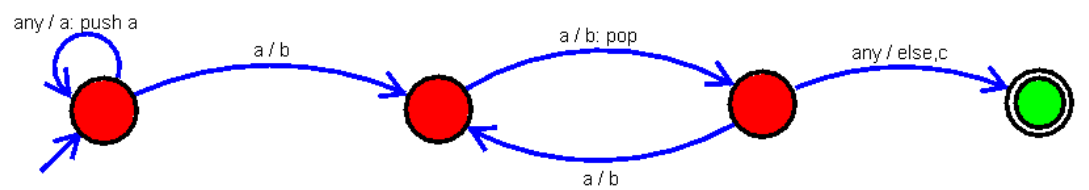
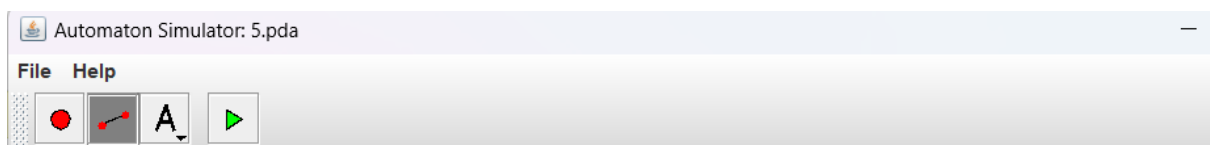
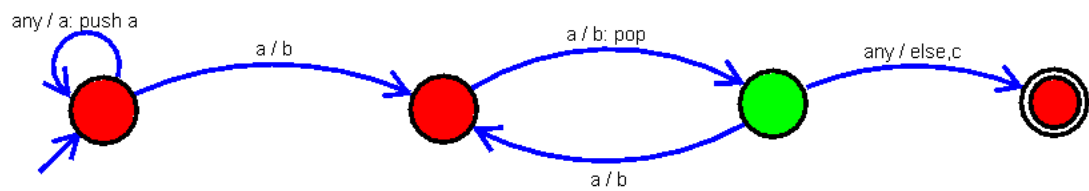
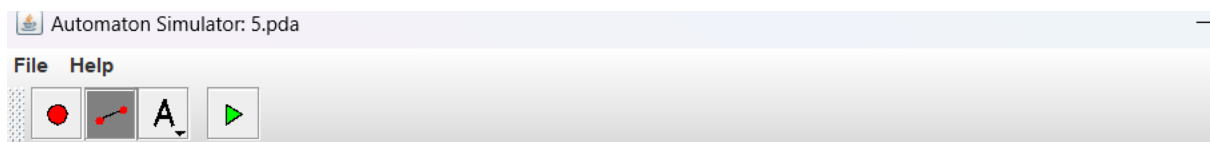
File Help



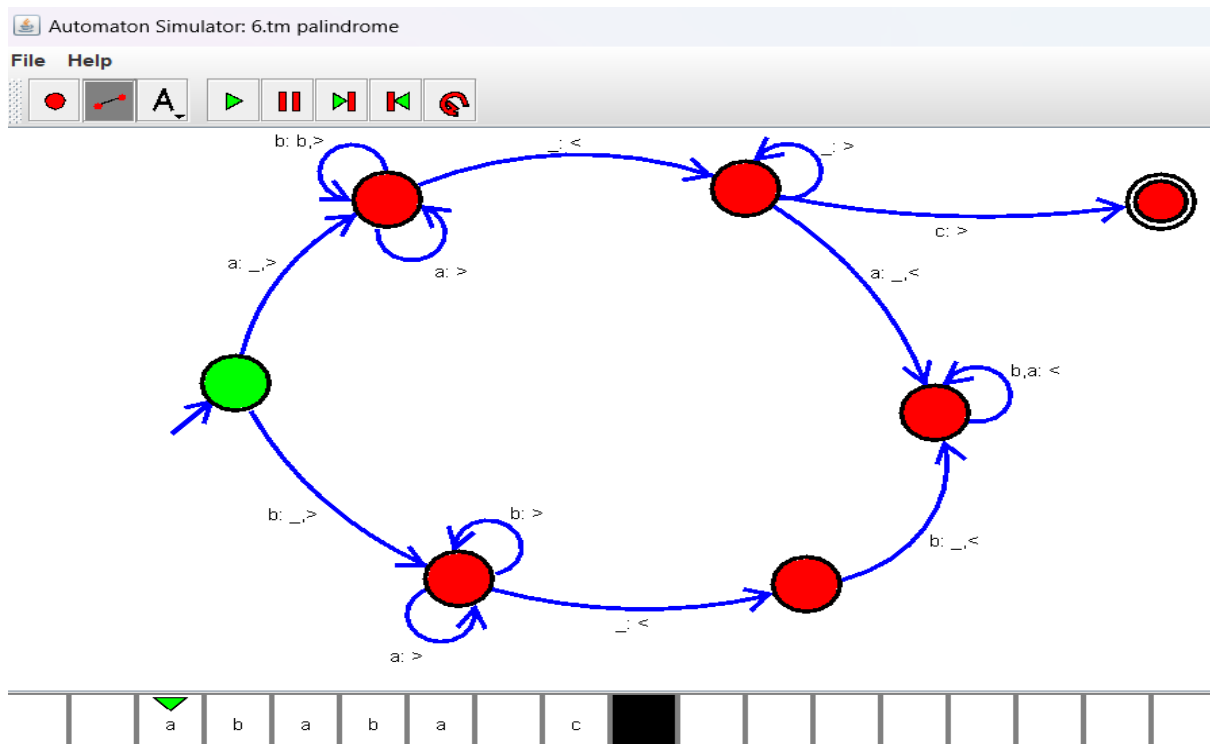
5. Design PDA for input aabbbbc ($L=a^n b^{2n}$).







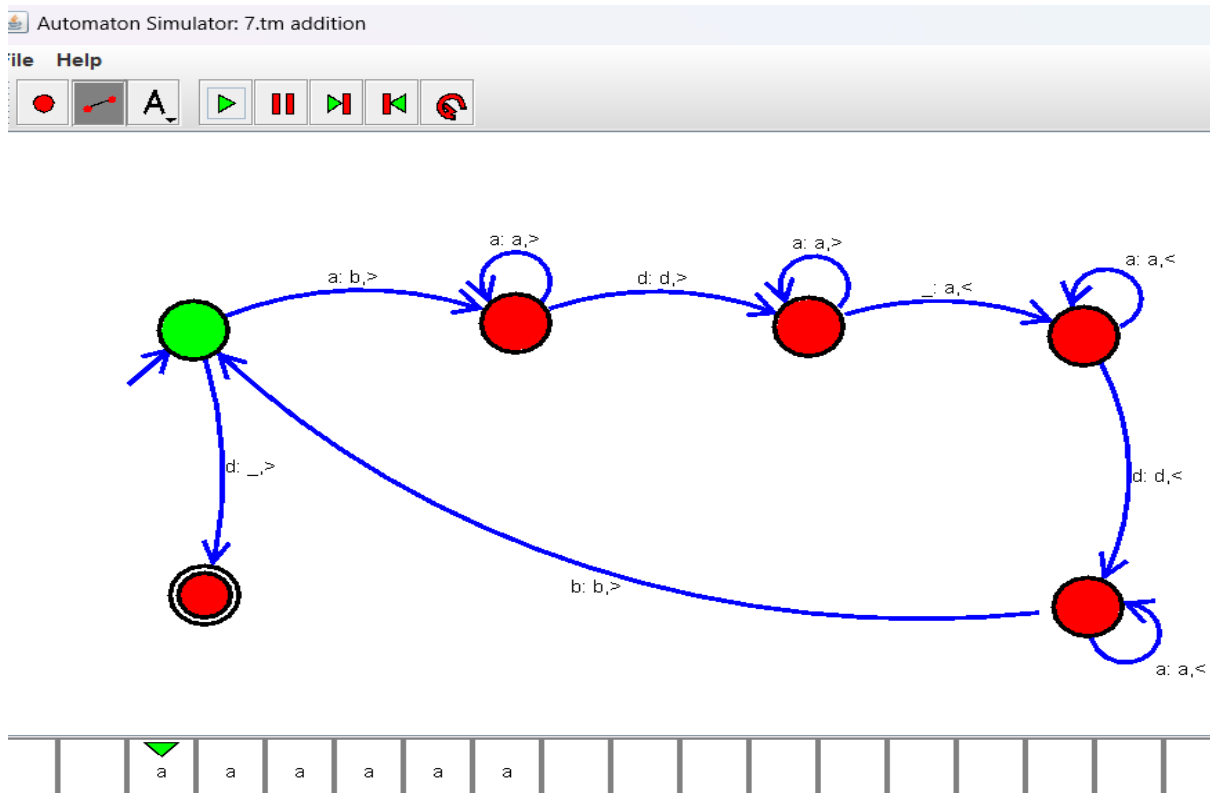
6. TM Simulation for Palindrome W= ababa c.



7. Design TM to perform addition of following

W= aa + aaaa

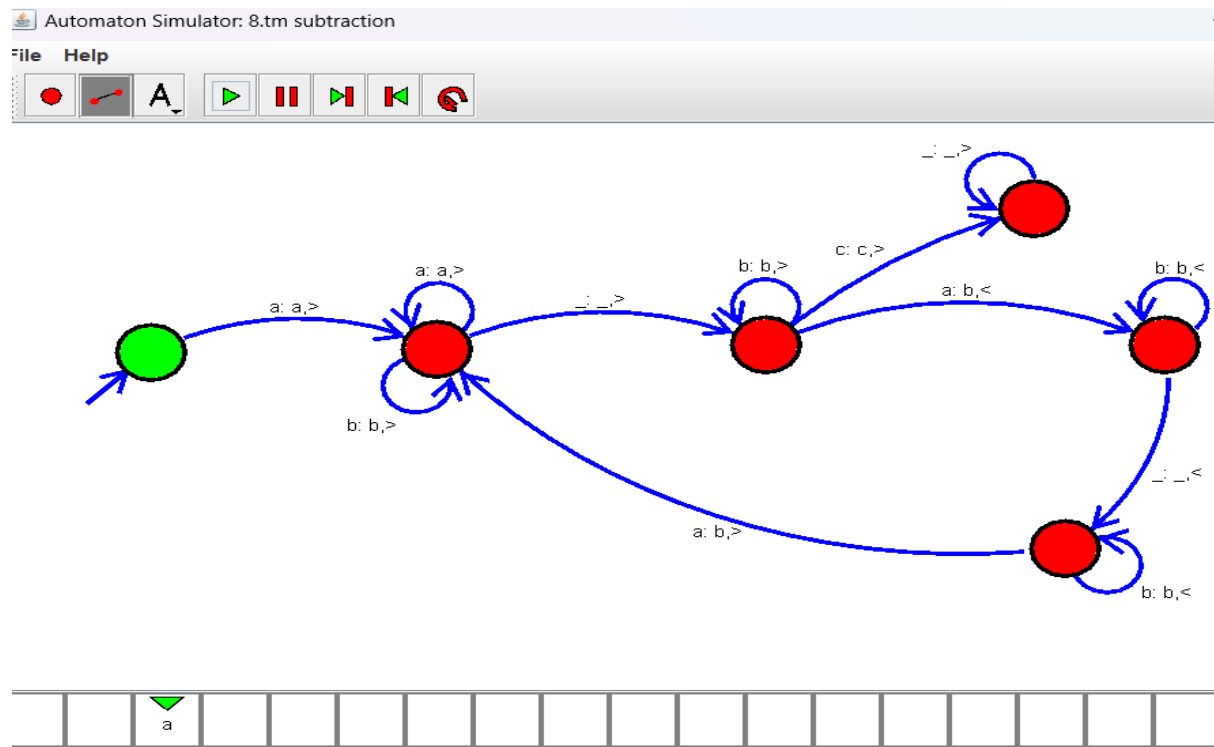
After Addition of a's = aaaaaa.



8. Design TM to perform subtraction

W= aaa-aa

The Result of Subtraction is = a.



9. Design TM to perform string comparison

W = aba aba.

