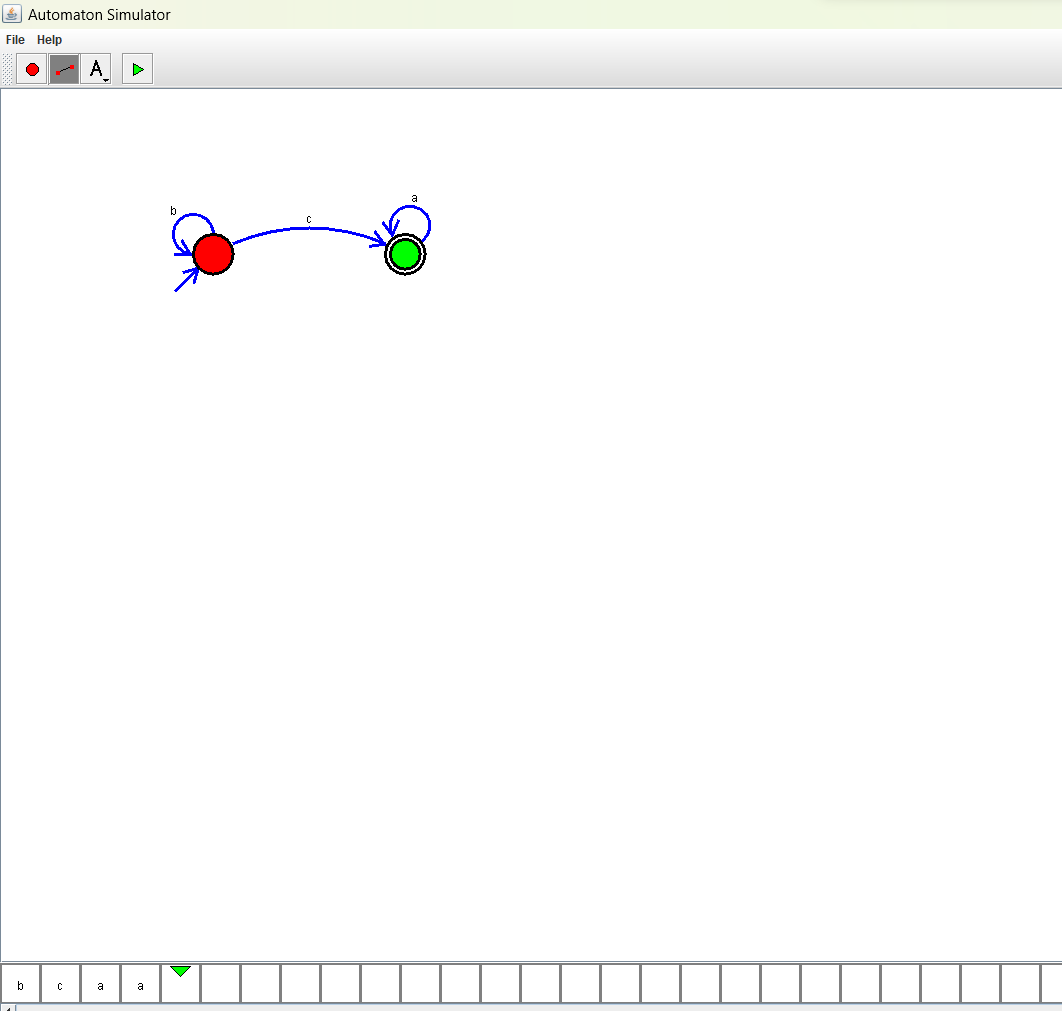
**THEORY OF COMPUTATION**

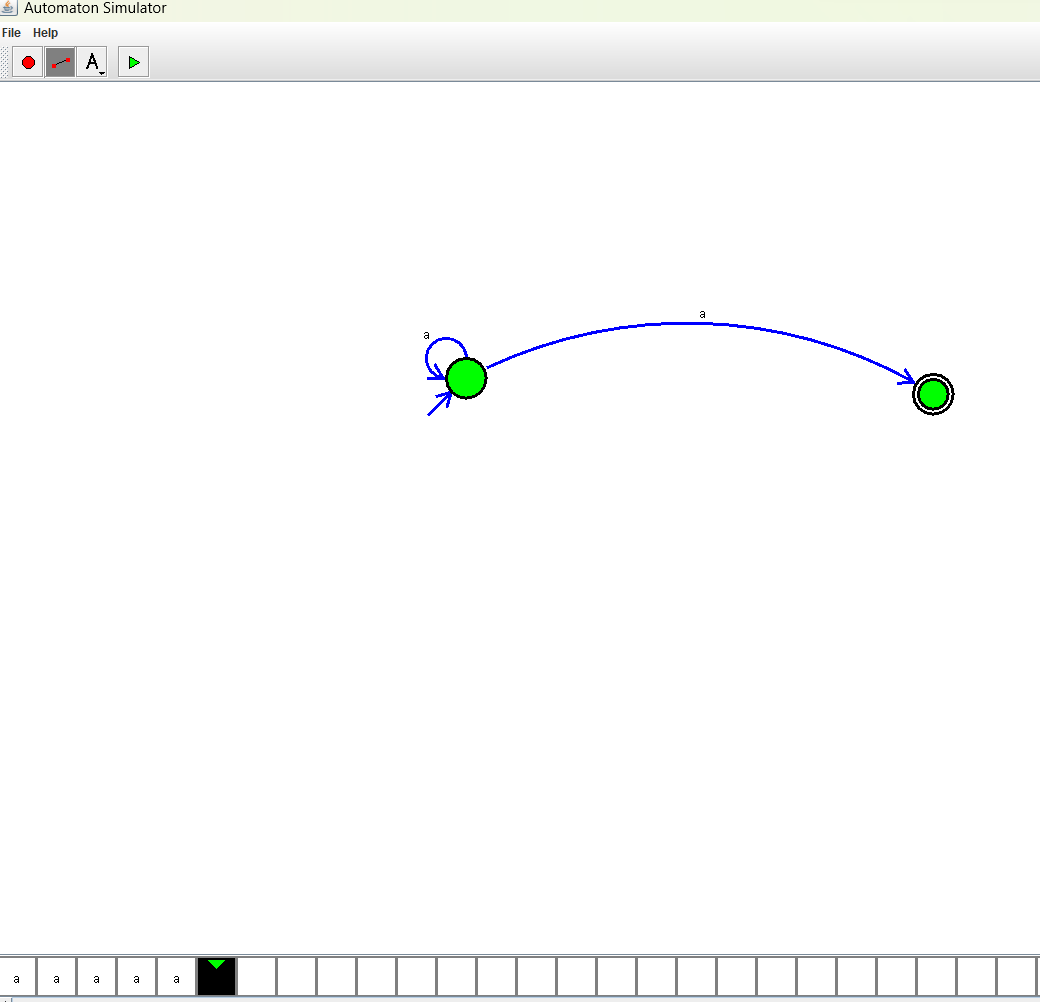
**Y.THARUN DAY 1**

**192110204**

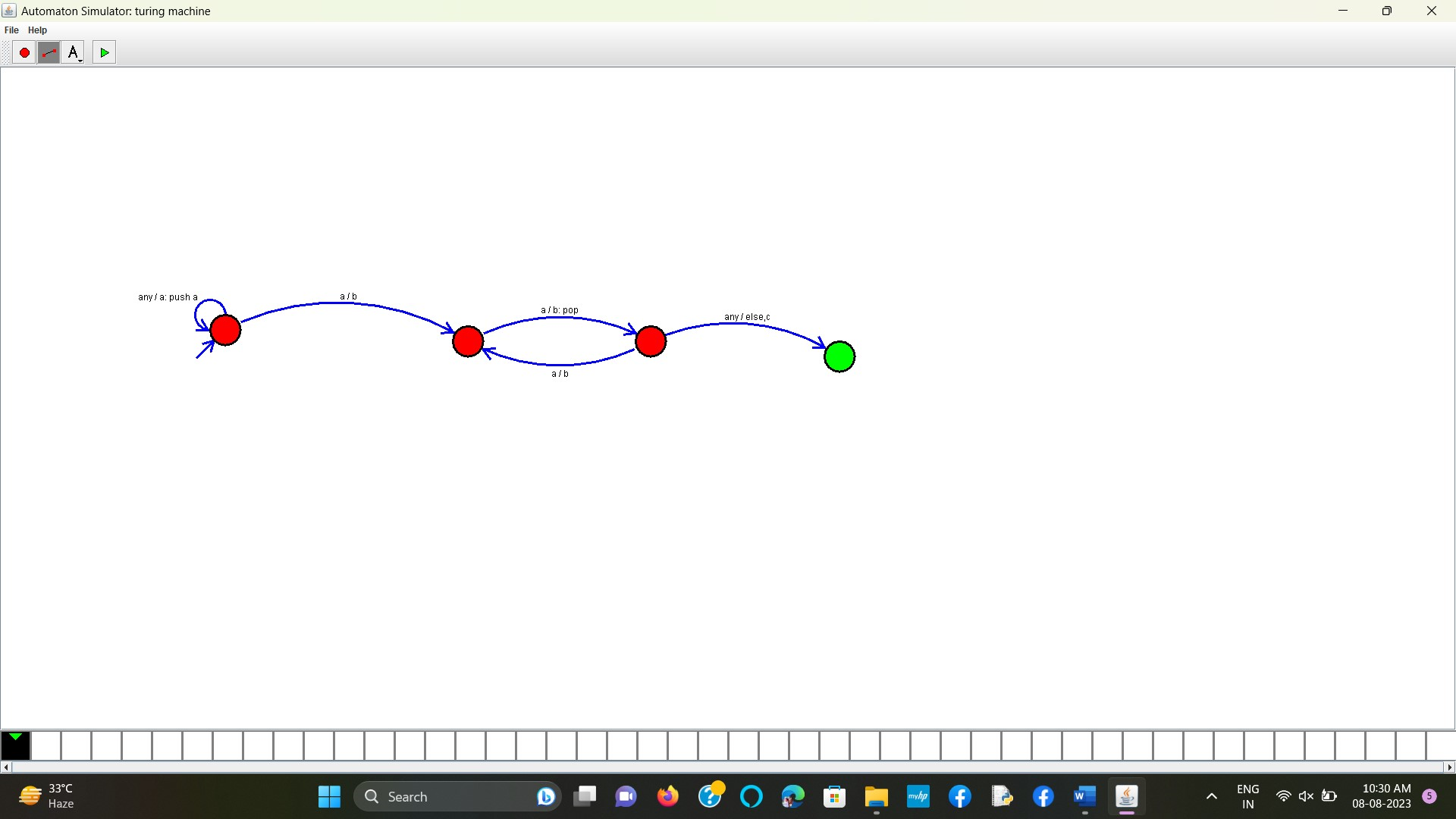
1. Design DFA to accept bcaaaaaaaaaaaaaa, bc, and c



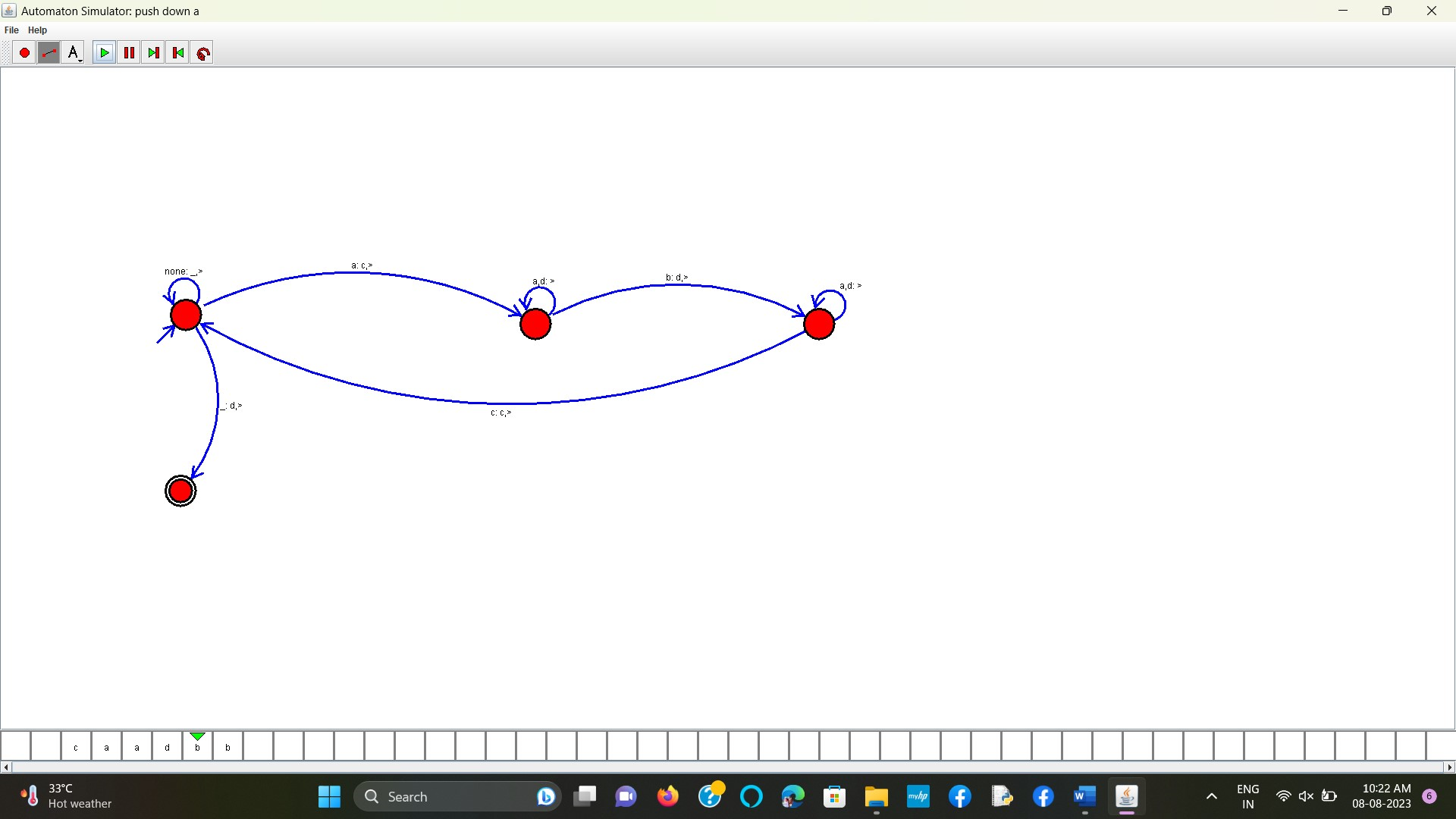
2.Design NFA to accept aaaaaa



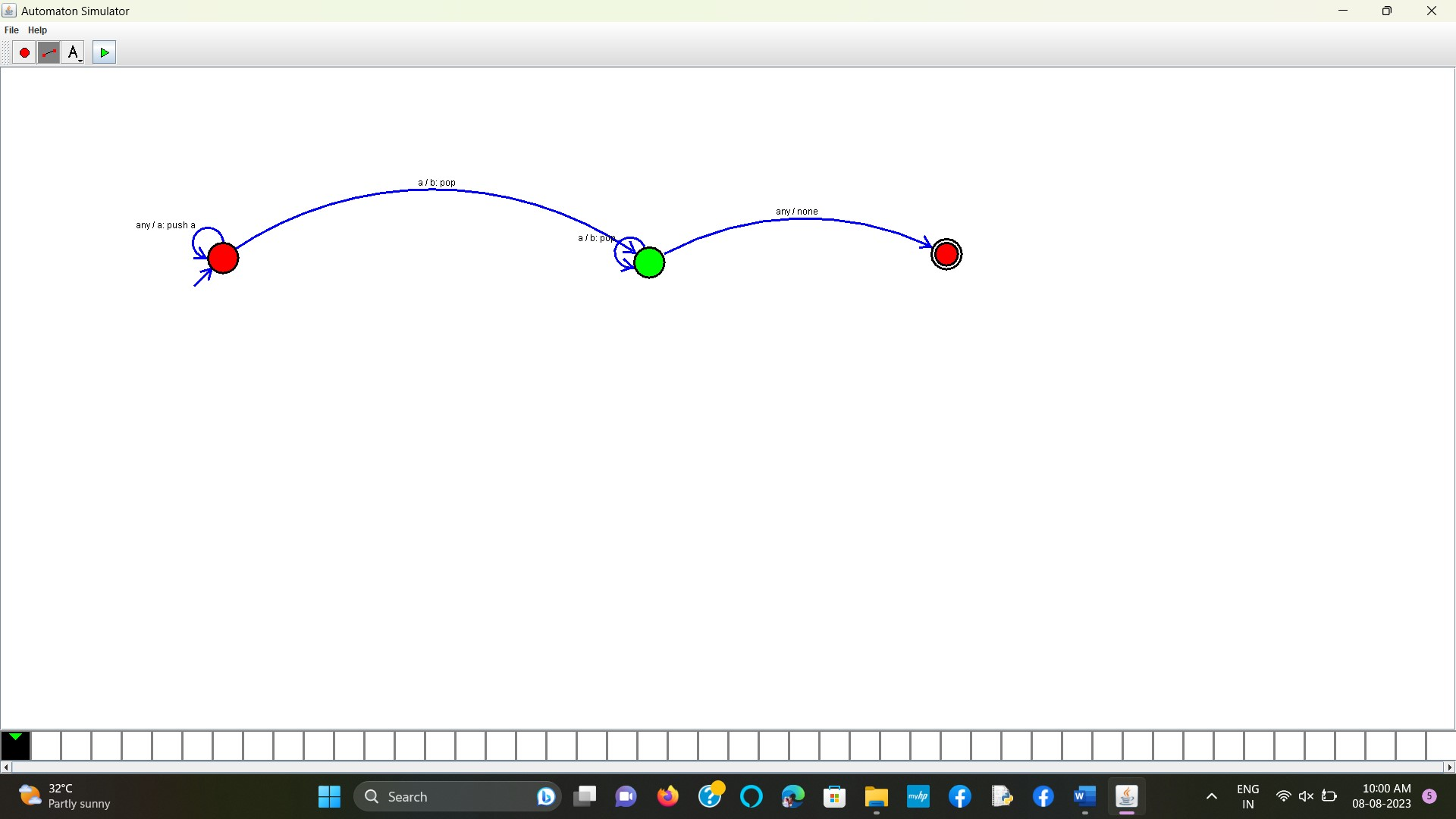
3.Design PDA for the input a^nb^n



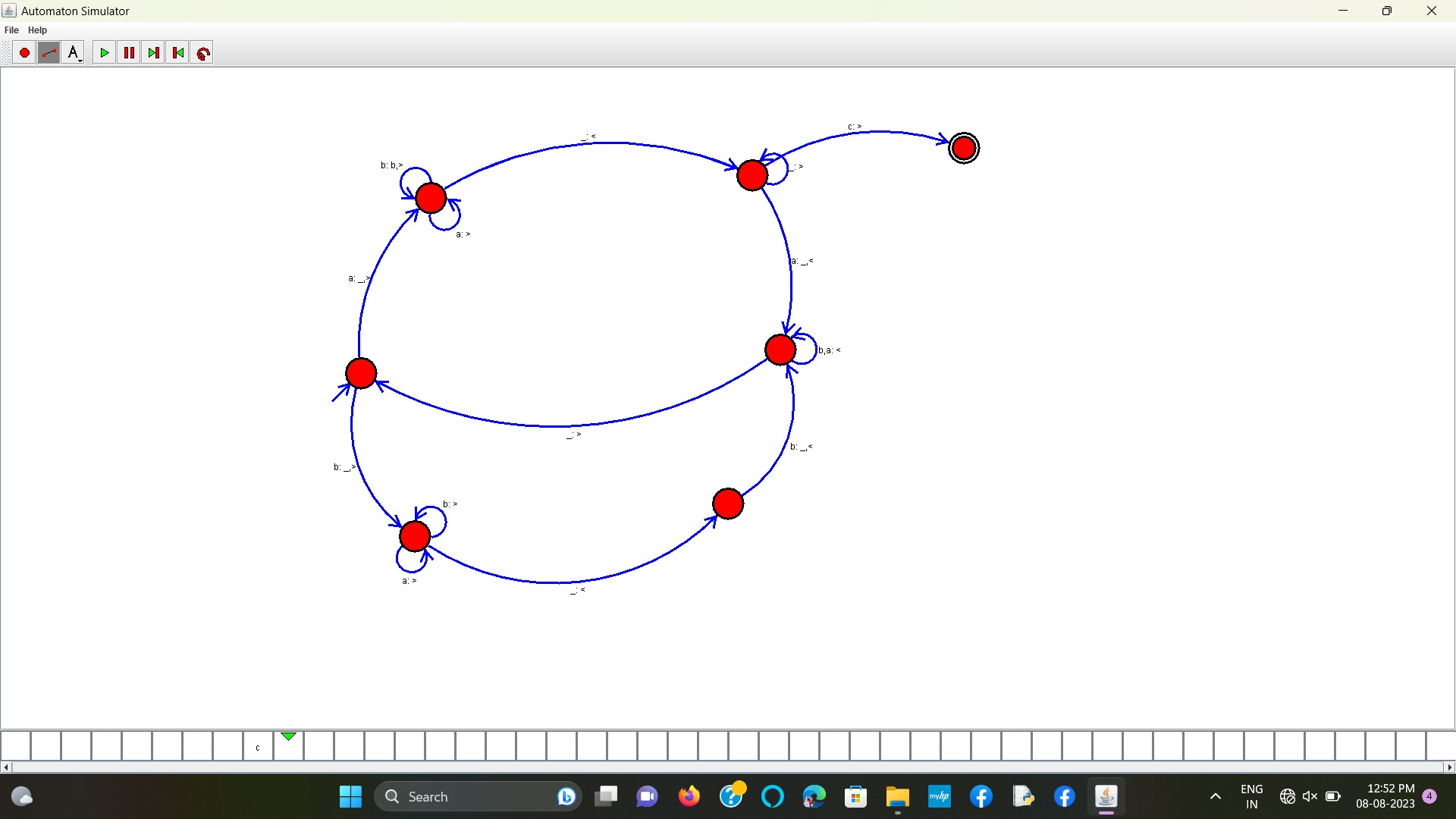
4.Design Tm For input a^nb^n



5 .Design PDA for input aabbbbc ( L=a^nb^2n)



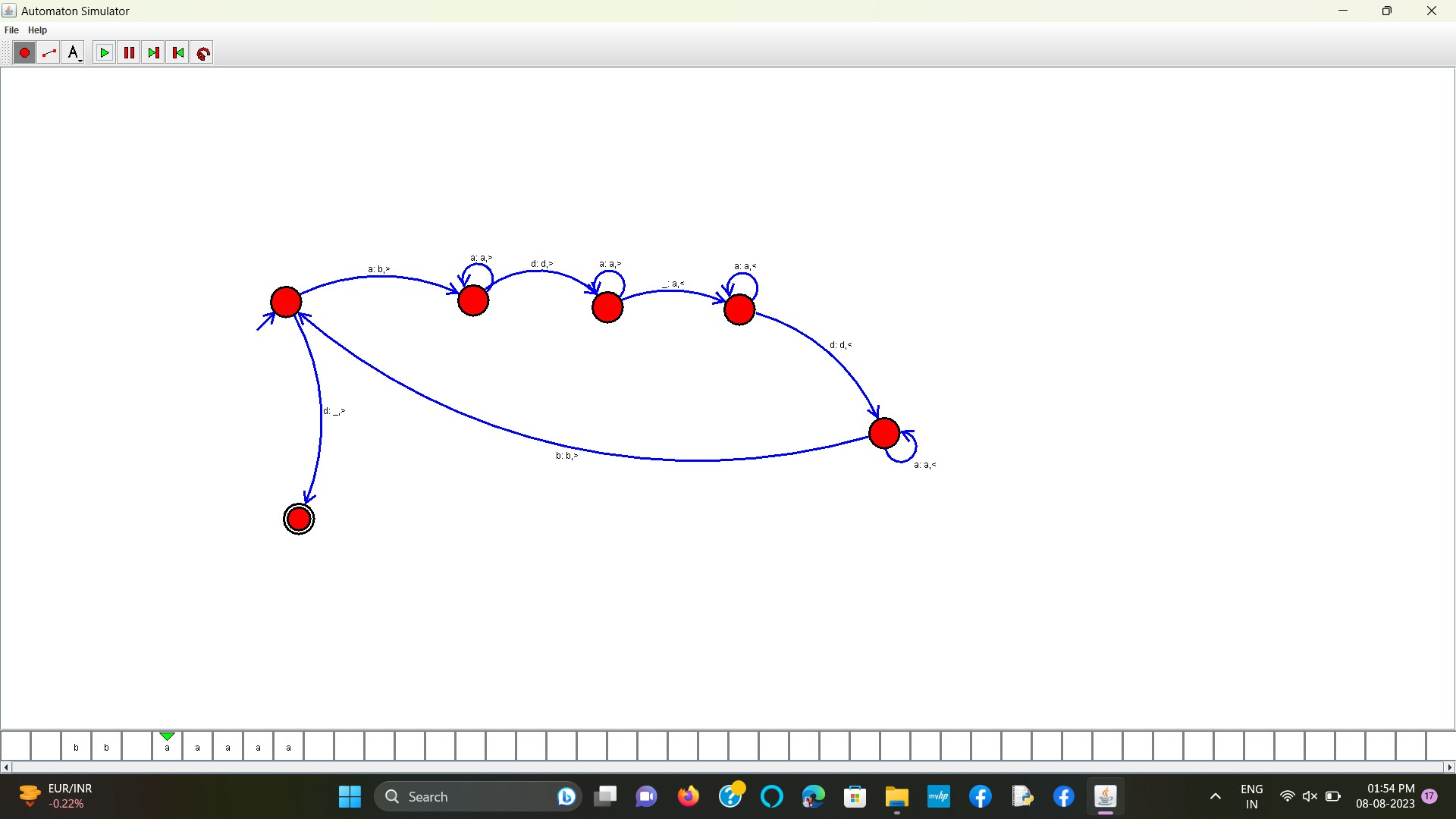
6.TM Simulation for Palindrome W= ababa c



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

