

**NAME:** c.raakrishna

**REG.NO.:** 192011478

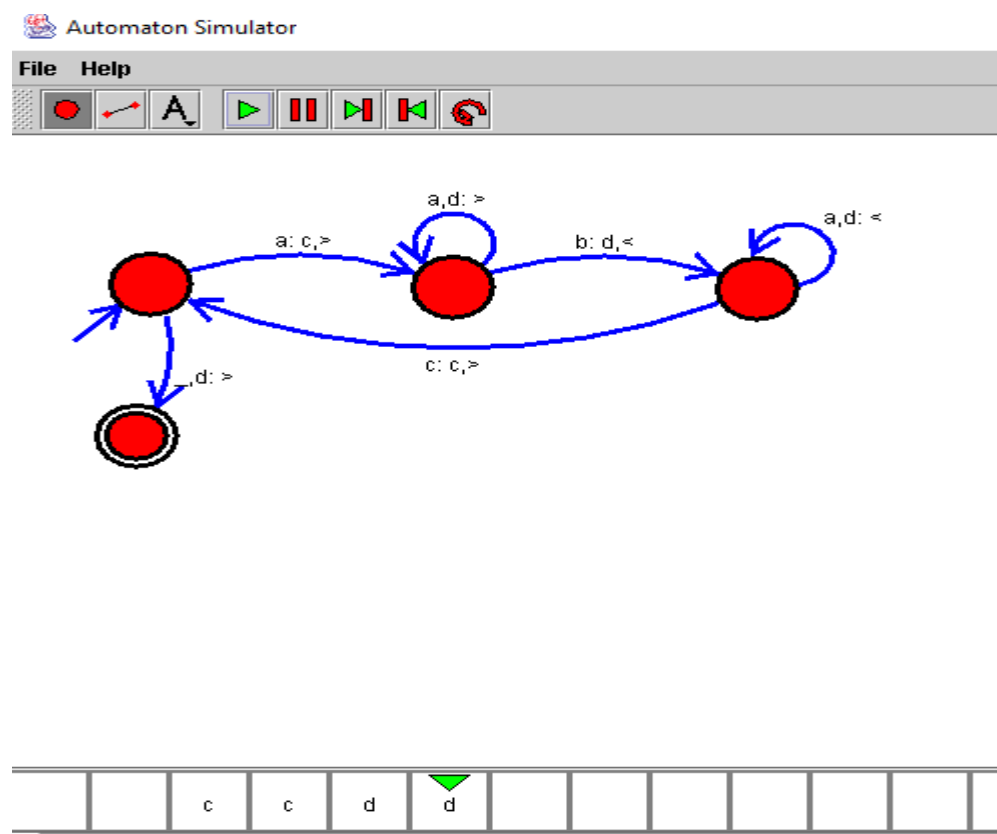
**EXPERIMENT:** 4

**AIM:** To design turing machine for the input  $a^nb^n$ .

**PROCEDURE:**

1. Select FOUR states and consider one as initial and another as final state.
2. Join the states using edges with directions
3. Select the edges as INPUT and OUTPUT as a or b or c.
4. Give the input and start the simulation.

**DESIGN AND OUTPUT:**



**RESULT:**

Therefore the designing of turing machine for the given input has been successfully created and stimulated.