

**NAME:** c.ramakrishna

**REG.NO.:** 192011478

### **EXPERIMENT: 7**

**AIM:** To design Turing machine to perform addition of following

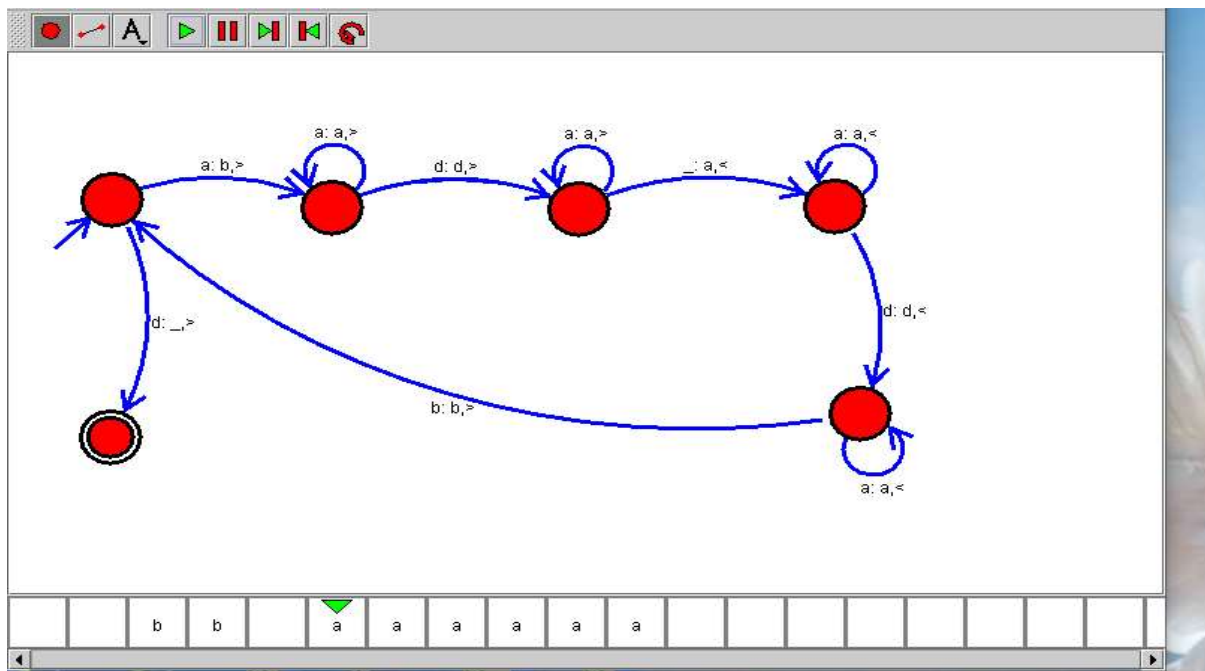
$W = aa + aaaa$

After addition of a's=aaaaaa

### **PROCEDURE:**

1. Select SIX 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.