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

A screenshot of a computer

Description automatically generated

1. Design NFA to accept aaaaa.

A screenshot of a computer

Description automatically generated

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

A screenshot of a computer

Description automatically generated

1. Design turing machine for input a^nb^n.

A screenshot of a computer

Description automatically generated

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

A screenshot of a computer

Description automatically generated

1. TM Simulation for palindrome W=ababa c.

A screenshot of a computer

Description automatically generated

1. Design TM to perform addition of following

W=aa+aaaa

After Addition of a’s = aaaaaa.

A screenshot of a computer

Description automatically generated

1. Design TM to perform subtraction

W = aaa – aa

The Result of Sutraction is = a.

A screenshot of a computer

Description automatically generated

1. Design TM to perform string comparison

W = aba aba.

A screenshot of a computer

Description automatically generated