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16/10/21 CYCLE 1 Malavika R. V

CSGB

Roll No: 31

Expt No 1

Aim: To write a program to find ε- closure of all states of any given NFA with ε transition

Algorithm:

1. Start
2. Read input the containing data about transition
3. Input the number of states and enter states
4. Find the first state's ε closure. For it, add the state itself to its ε- closure.
5. Compare all alphabets in transitions from the state with alphabet epsilon (represented by e). If equal to, go to Step 6.
6. Add the state to where the transition is pointing, to ε closure of the 1st state.
7. If all transitions have been considered repeat steps 4-6 for finding ε- closure of next state.
8. Continue till the ε-closures of all states have been found.
9. Stop.

Result: Output has been obtained successfully.

Teacher's Signature _____