14.DFA -AAAB

AIM:-

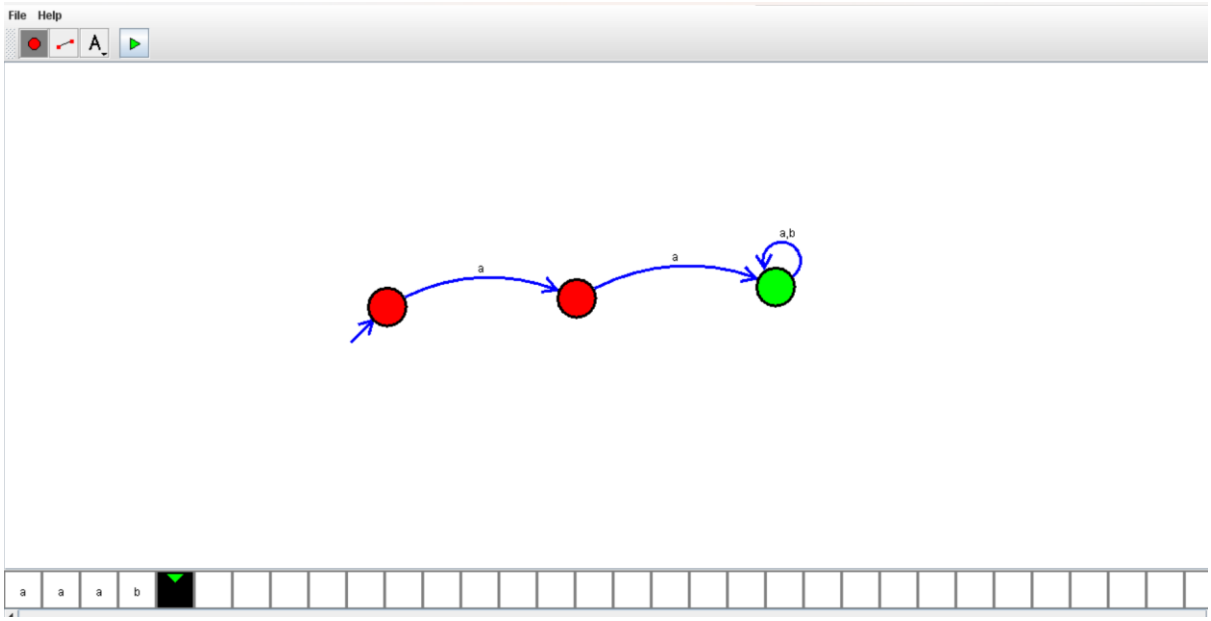
- To construct the DFA diagram by using simulator.

PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the DFA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.
- ✓ check the DFA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our DFA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT=aaab



RESULT:-

- We got the output successfully . therefore the DFA diagram will accepts the conditions.

15.DFA-ABBAABAC

AIM:-

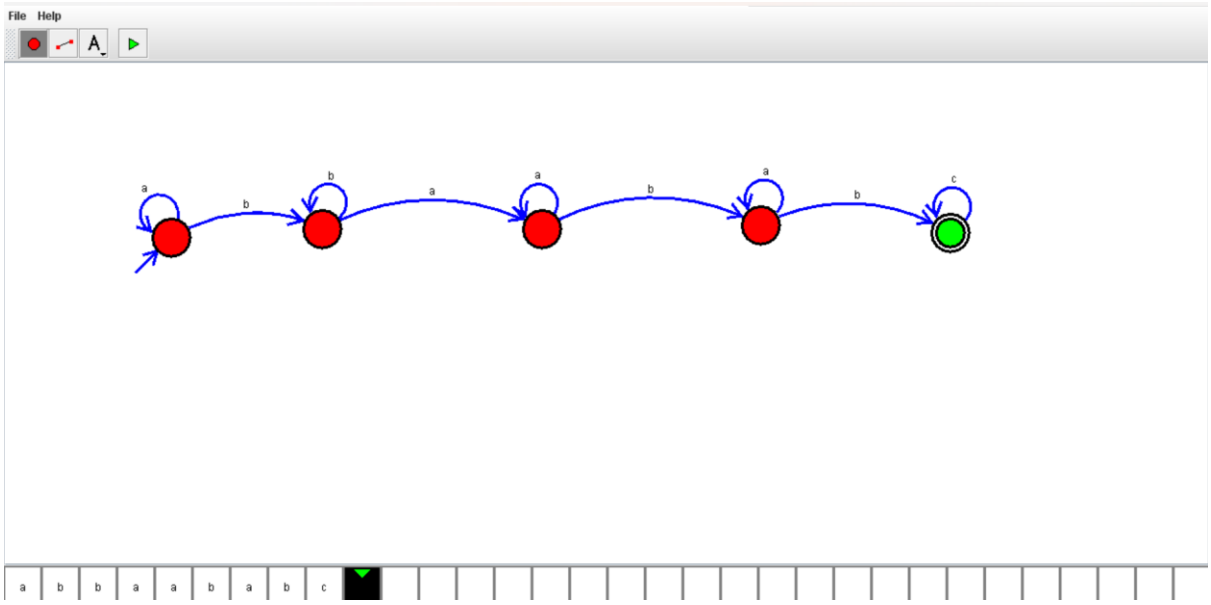
- To construct the DFA diagram by using simulator.

PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the DFA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.
- ✓ check the DFA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our DFA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT=abbaababc



RESULT:-

We got the output successfully . therefore the DFA diagram will accepts the conditions.

16.NFA-ABAB

AIM:-

- ❖ To construct the NFA diagram by using simulator.

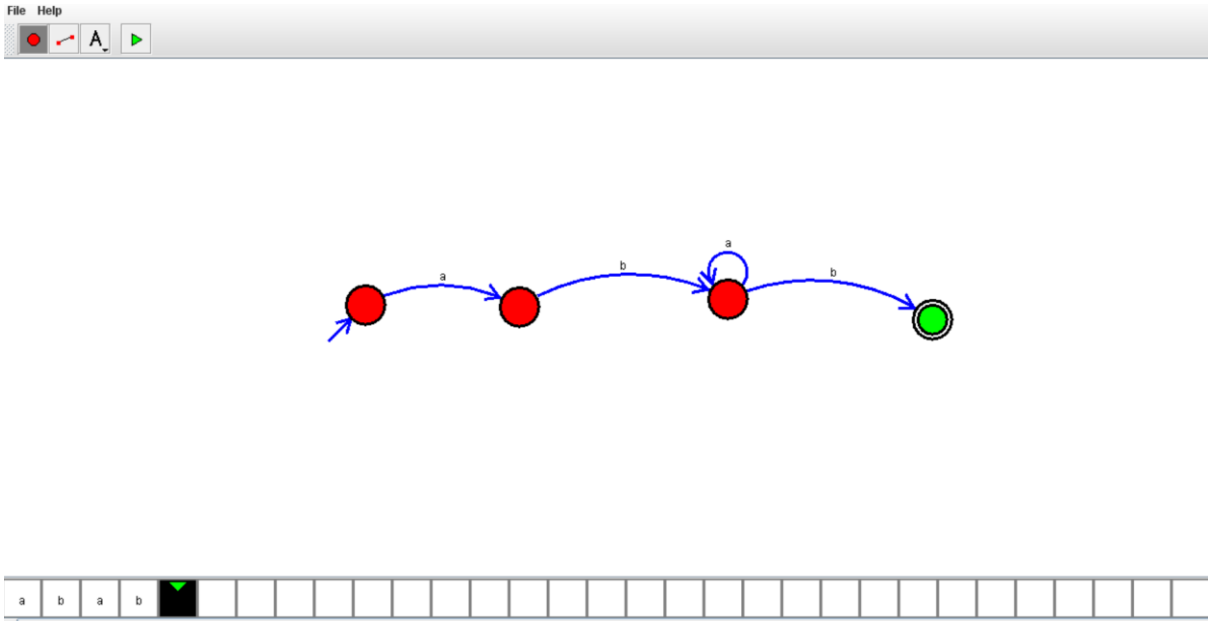
PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the NFA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.

- ✓ check the NFA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our NFA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT=abab



RESULT:-

We got the output successfully . therefore the NFA diagram will accepts the conditions.

17.PDA-AABBC

AIM:-

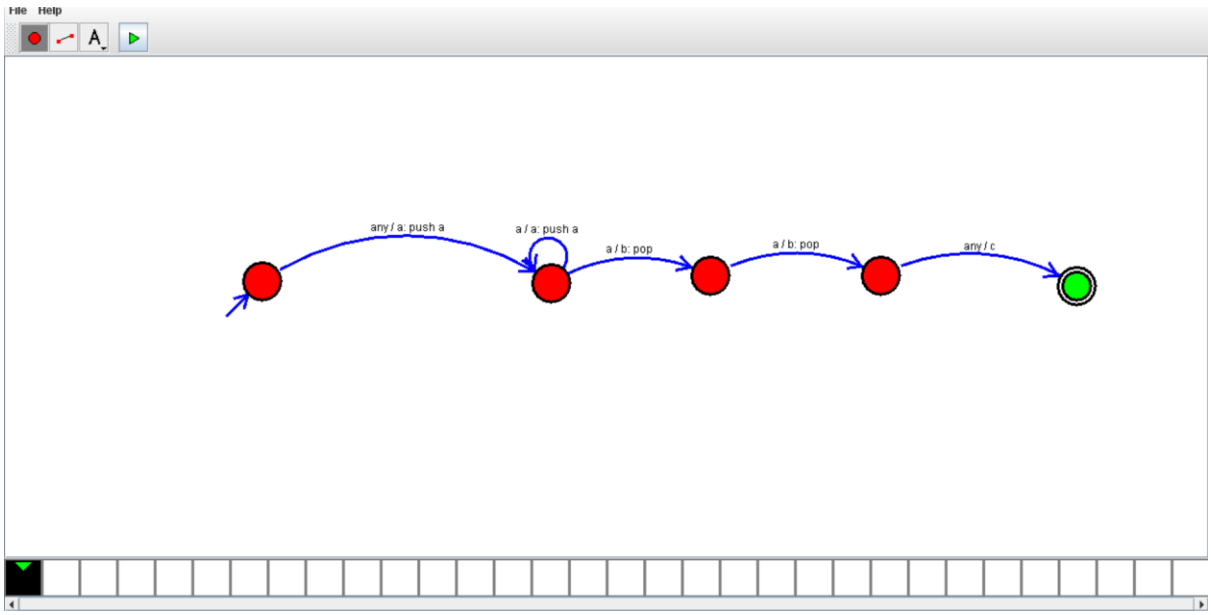
- ❖ To construct the PDA diagram by using simulator.

PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the PDA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.
- ✓ check the PDA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our PDA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT=aabbc



RESULT:-

We got the output successfully . therefore the PDA diagram will accepts the conditions.

18. NFA-start with different and end with different

AIM:-

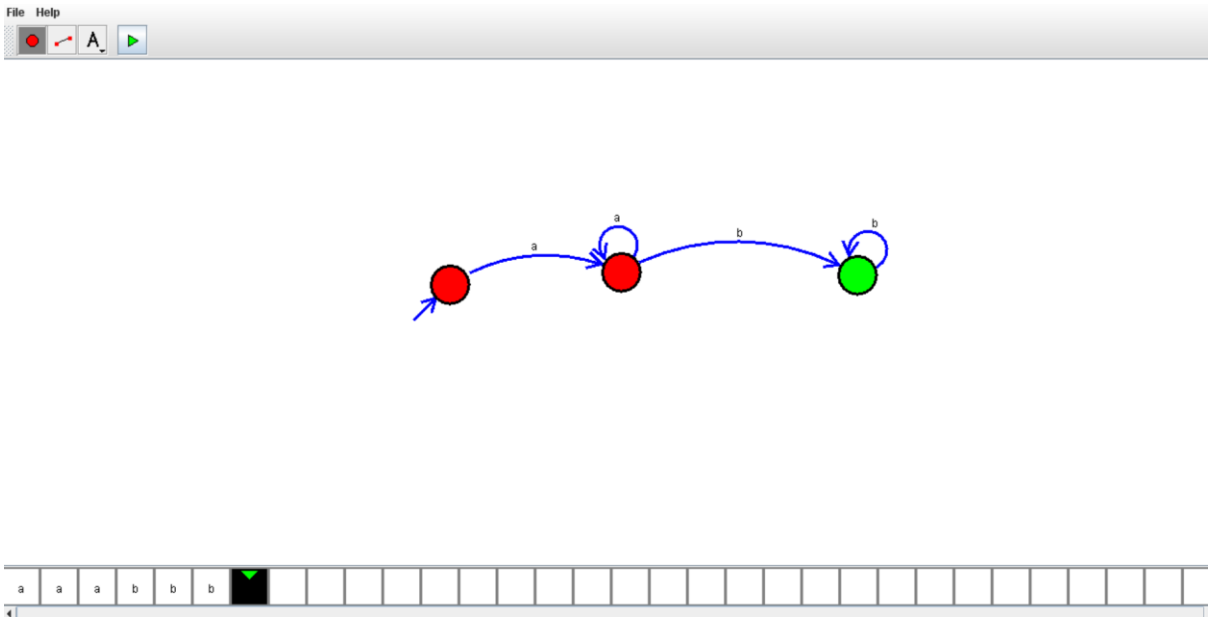
- To construct the NFA diagram by using simulator.

PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the NFA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.
- ✓ check the NFA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our NFA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT=aaabbb



RESULT:-

We got the output successfully . therefore the NFA diagram will accepts the conditions.

19.NFA-NO OF B'S

AIM:-

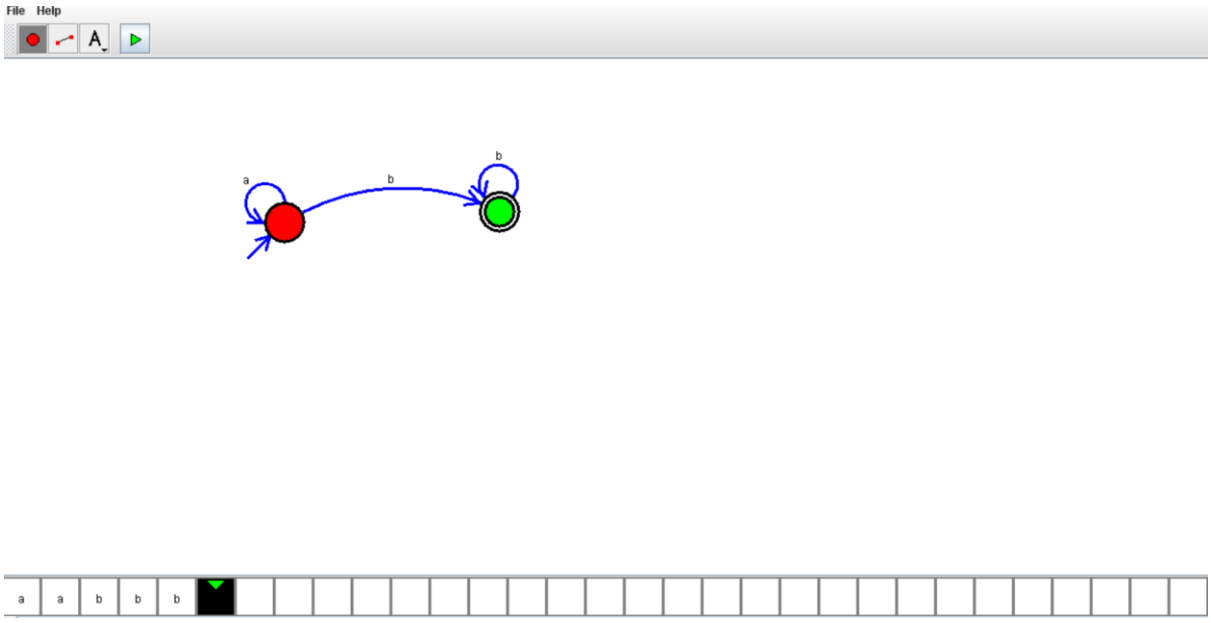
- To construct the NFA diagram by using simulator.

PROCEDURE:-

- ✓ Initially , install the autosimulator.
- ✓ open the autosim , click on the files.
- ✓ select the new and choose the NFA .
- ✓ Take two states .one is for initial state and another for final state.
- ✓ Connect the two states that accepts the conditions.
- ✓ click the run button and give the input.
- ✓ check the NFA diagram it will reach final state or not.
- ✓ it will reach final state means construction of our NFA diagram is correct.

DIAGRAM AND OUTPUT:-

INPUT= aabbb



RESULT:-

We got the output successfully . therefore the NFA diagram will accepts the conditions.