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DFA (Deterministic Finite Automata).

Program:

This program is very helpful for its users. This program help its users to make non visual machine (DFA) on console then check the word of language and this will tell to its user either its True word or Wrong word.

COMPONENTS:

* STATES
* TRANSITIONS
* FINAL STATES
* SYMBOLS
* WORD BELONGING TO THIS MACHINE

HOW TO USE:

This program is very simple. This is array base program in which 2D array is used for transition graph. In this first you will enter the number of states in integer and program will automatically give names of every state. e.g. ( you entered 2 states then your states will be q0,q1).

Then you will enter the number of symbols. Then you will enter siqma’s letters either [a,b] or [0,1].

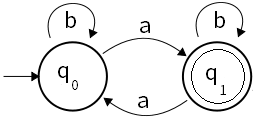
Then you will enter that how much machine has final states and which states are finals states. e.g( you enter final state is 1 and q1 is finals state but you are not supposed to enter ‘q’ with 1 it will consider ‘q’ with it automatically ).

Then transition phase comes and you tells that which transition will come where and where it ends on every symbol.

Then you will enter word to check your machine.

Example:

This example is for odd number of a’s



let suppose that this is for odd no of b’s and replace a with b and b with a then you will see that In loops there is a and in other there is b then machine will be for odd number of b’s

