

RGPV 2011

Design FA which accepts even no. of 0's and even no. of 1's.

Or

RGPV 2010

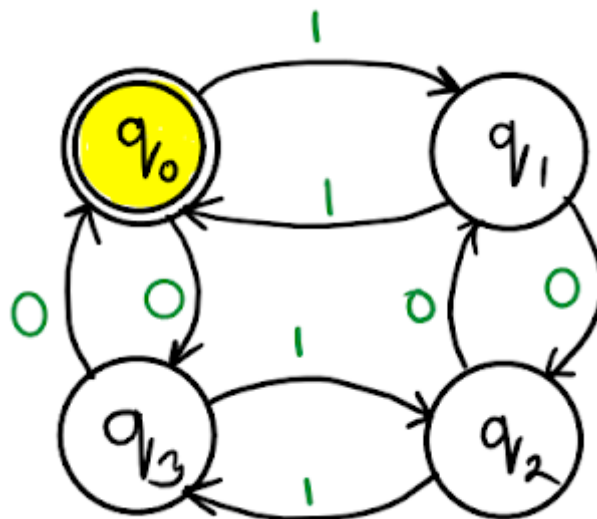
Construct DFA over input alphabet $\Sigma = \{0,1\}$ to accept string which contains no. of 0 is even and no. of 1 is even.

Or

RGPV 2008

Construct DFA accepting set of all strings containing even no. of a's and even no. of b's over input alphabet $\{a,b\}$.

Ans. Some example strings = $\{00, 11, 0011, 0101, 0110\}$



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17. CNF from $S \rightarrow aAD; A \rightarrow aB/bAB; B \rightarrow b, D \rightarrow d$.
18. NDFA accepting two consecutive a's or two consecutive b's.
19. Regular expression to CFG
20. Regular expression to Regular grammar
21. Grammar is ambiguous. $S \rightarrow aSbS|bSaS| \epsilon$
22. leftmost and rightmost derivations
23. Construct Moore machine for Mealy machine
24. Design a NFA that accepts the language over the alphabet, $\Sigma = \{0, 1, 2\}$ where the decimal equivalent of the language is divisible by 3.
25. Definition of Deterministic Finite Automata
26. Notations for DFA
27. How do a DFA Process Strings?
28. DFA solved examples

29. Definition Non Deterministic Finite Automata
30. Moore machine
31. Mealy Machine
32. Regular Expression Examples
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35. NFA with ϵ -Moves
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