

DFA





Q. Construct DFA with all strings over {a,b} ending with ab

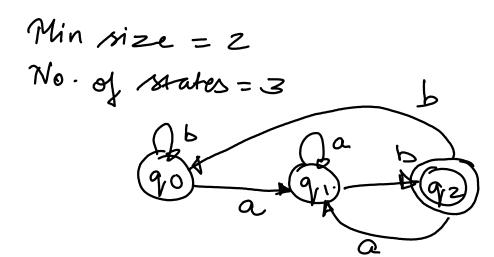
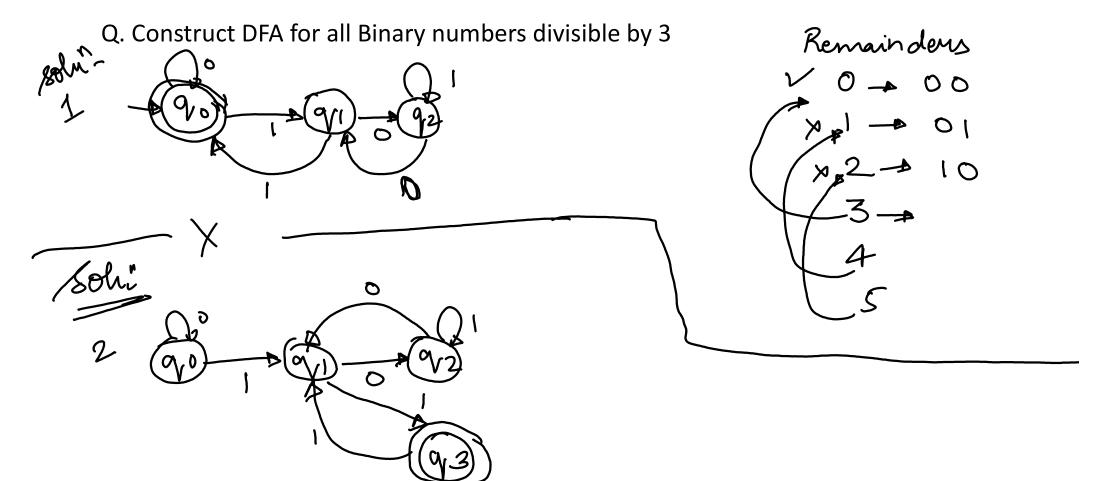


abb bab
abbab







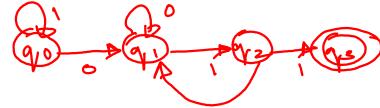


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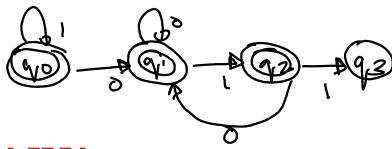


Q. Construct DFA for all possible conditions of 0's and 1's which does not have substring 011

* Design DFA with substring 011
Min length = 3, No. of states = 4



Invent the T.D.

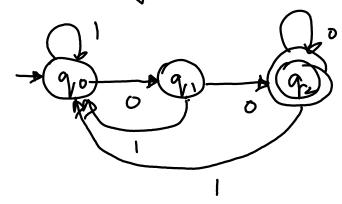






Q. Construct DFA that accepts a string which always ends with 00 over the alphabet {0,1}

Min length = 2; No. of states = 3



M = { {90,91,924, {0, 14,8, {904, {924}}

 $\frac{S}{S} = \frac{S}{S(90,0)} = 91$ S(90,1) = 90 S(90,1) = 92 S(91,0) = 92 S(92,1) = 90 S(92,0) = 92 S(92,0) = 92





Q. Draw a DFA for the language accepting strings containing three consecutive '0' over an input alphabet $\Sigma = \{0,1\}$



