

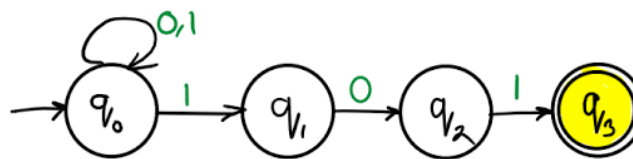
**RGPV 2006**

**Q. Give DFA accepting the language over alphabet  $\{0,1\}$  such that all strings of 0 and 1 ending in 101.**

**Ans.** Some example strings =  $\{101, 10101, 01101, 00101, 11101, 1101\}$

Regular expression =  $(0+1)^*101$

Minimum number of states required = 4



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