

Tutorial-1

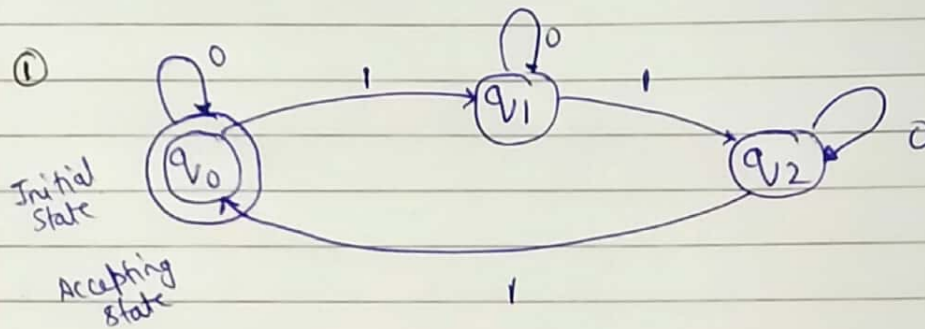
U20CS110

Krishna Pandey

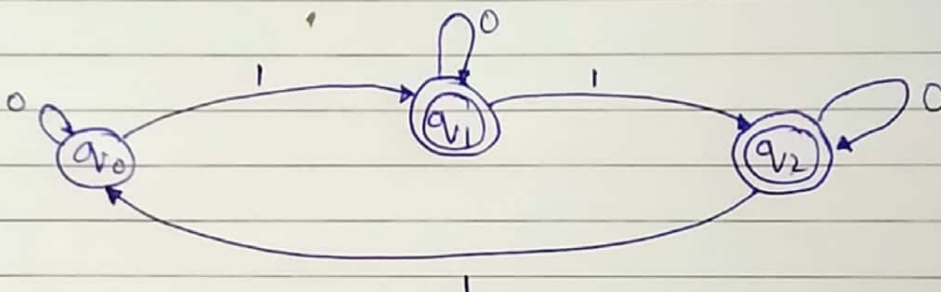
Give the deterministic finite automata accepting the following language over the alphabet  $\{0,1\}$ .

- I) Number of 1's is multiple of 3.
- II) Number of 1's is not multiple of 3.
- III) All strings with exactly two 1's.
- IV) All strings containing at least two 0's?

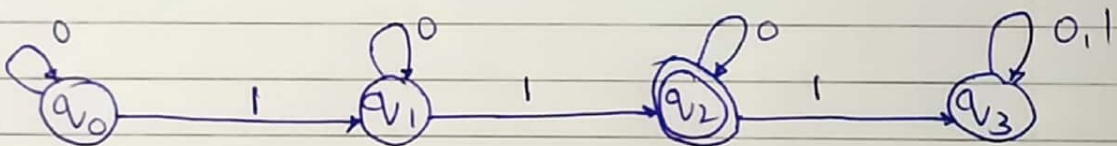
sol- ①



②



③



④

