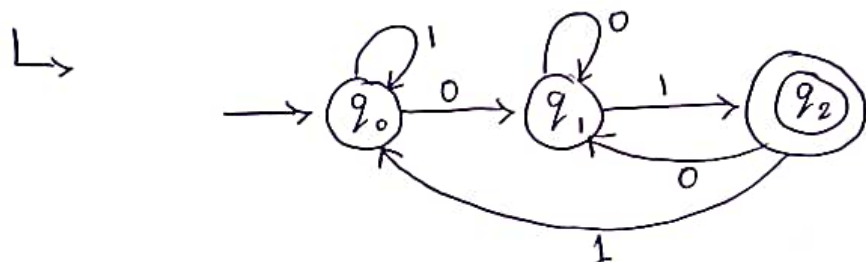
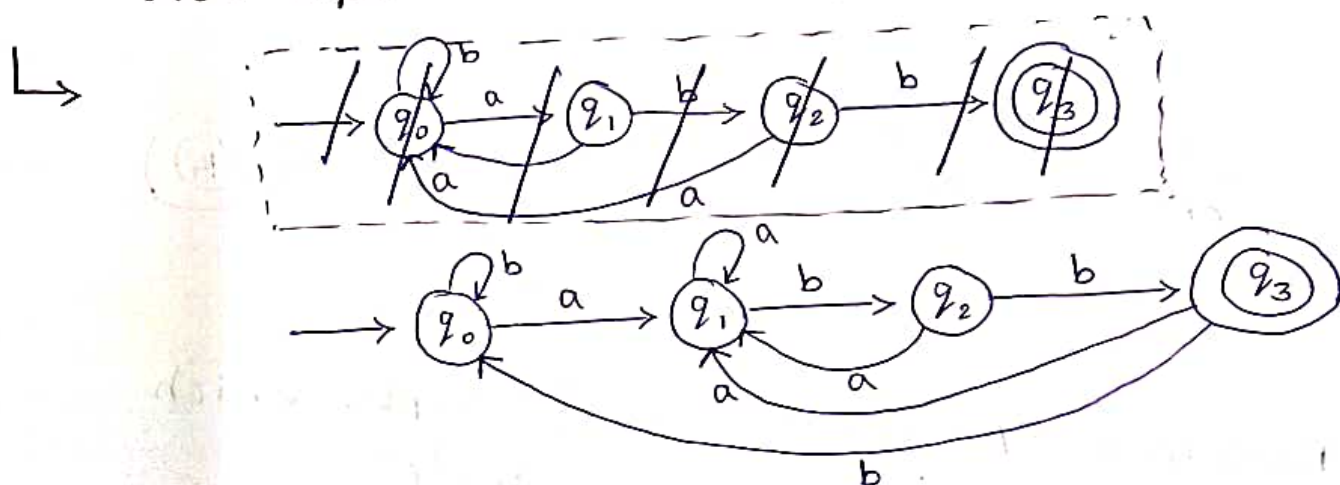


Assignment - 1

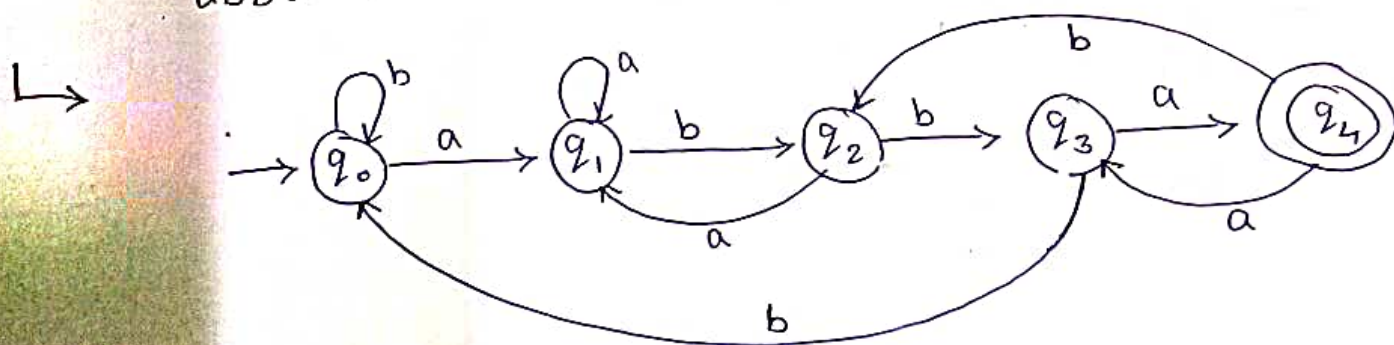
Q.1 Draw a DFA for the strings ending with '01' over input alphabets $\Sigma = \{0, 1\}$



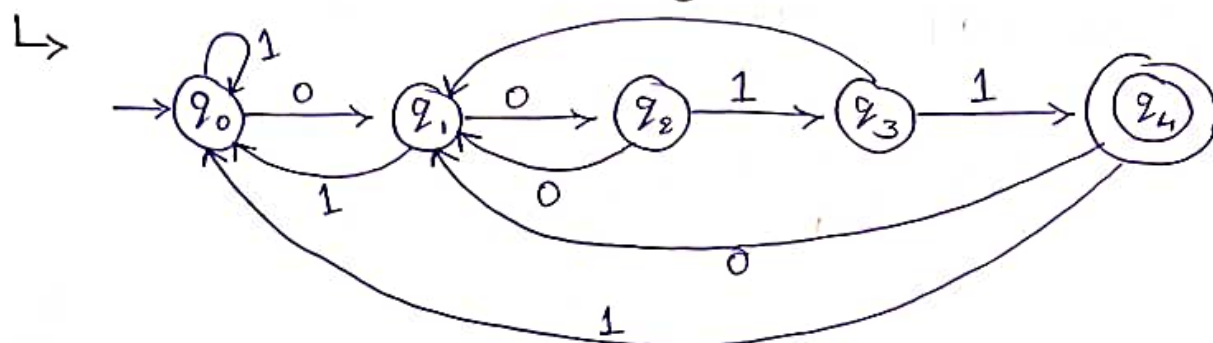
Q.2 Draw a DFA for the strings ending with 'abb' over input alphabet $\Sigma = \{a, b\}$



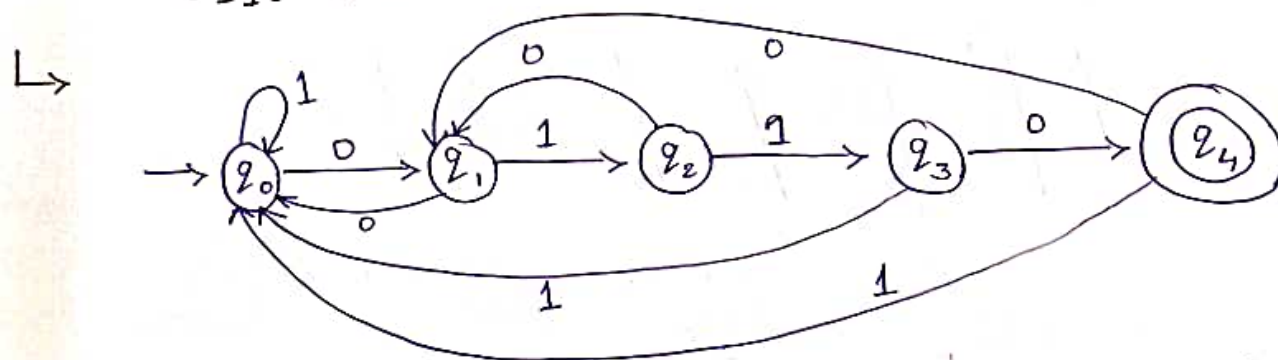
Q.3 Draw a DFA for the strings ending with 'abba' over input alphabet $\Sigma = \{a, b\}$



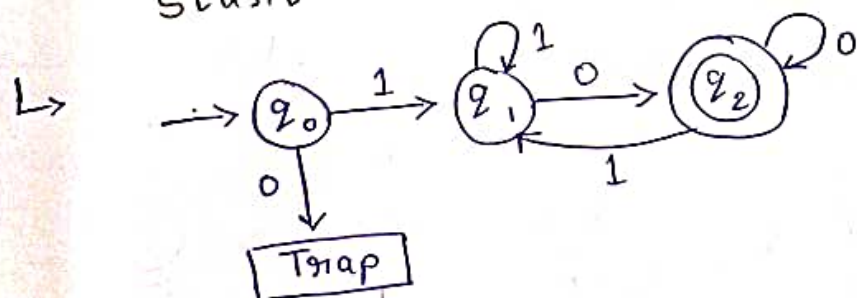
Q.4 Draw a DFA for the string 'ending with '0011' over input alphabet $\Sigma = \{0, 1\}$



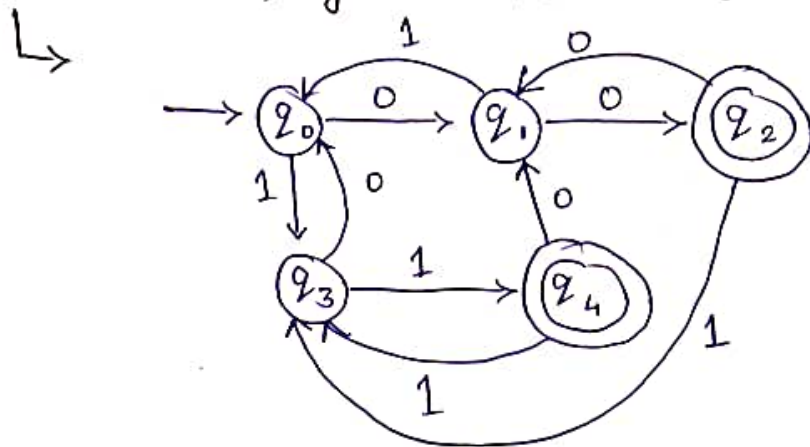
Q.5 Draw a DFA for accepting strings, ending with '0110' over input alphabets $\Sigma = \{0, 1\}$



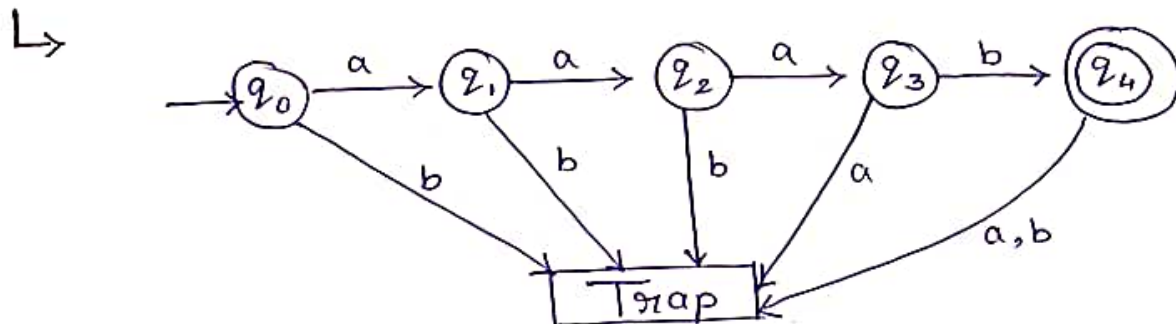
Q.6 Design a FA with $\Sigma = \{0, 1\}$ accepts which start with '1' and end with '0'



Q.7 Draw a DFA which accept 00 and 11 at the end of a string containing 0 and 1 in it, eg. 01010100 but not 000111010.



Q.8 Construct a DFA with $\Sigma = \{a, b\}$ accepts the only input "aaab".



Q.9 Construct a DFA with sigma $\Sigma = \{a, b\}$ accept those strings which has even no of "a" and even no of "b".

