CS305 Tutorial-10

1. Design a turing machine that replaces all occurances of '111' by '101' from a sequence of 0's and 1's.

2. Design a turing machine that recognizes binary palindromes. ($\Sigma = \{0, 1\}$).

3. Design a turing machine to find the 2's complement of a given binary number on the tape.

4. Design a turing machine to the value of $\log_2(n)$, where n is a binary number on the tape and a perfect square of 2.

---x---