1. **Computer Number Systems**

    Solve for X_2

    $X_2 = \text{F123}_{16} - 123_{10} - 123_8$

2. **Bit String Flicking**

    Solve for X

    X= (RCIRC – 2 11000) XOR (LSHIFT- 1 01100)

3. **Bit String Flicking**

    How many values of X satisfy the following equation?

    (RCIRC – 3 (01010 OR 00101 AND X) = 11001

4. **Boolean Algebra**

    Simplify completely

    $(\overline{\overline{AB}C})(\overline{A}C)$

5. **Boolean Algebra**

    List all ordered triples (A,B,C) that make the following expression TRUE

    $$AB \oplus \overline{C + (CB + A)}$$