```
10
                   4
 plain text = 0010 1000 key = 11000 11110
        find the cepher text-
Step1: rey Ganeration
    KI = P8. shift. P10. key
    K2 = P8 = Shift 3 = P10.
                                (0)
                0 1 1
                          1 1
              0
            0
                 1 810
                        10
                   5 6
                ۵
0
                    L P2
                            8
                                5
                                    10
                    7
```

2 3 4 5 6 7 8 9 10 P10 7 4 10 1 9 0 1 1 0 0 1 1 Shift3 3 4 5 6 7 8 9 89 SPP 2: april of text generation surrepring apher = IP · fr2 · Sw · fk1 · IP (plain) PR (LIP) = [L A F(RIK)] [P]

Netamed as
Netamed as F(R, K) = P40 S-box. XORK EPCR) apher: IP . fk2 . sw. fk1 . IP [0010 1000] 1 2 3 4 5 6 7 8 0 G

$$f_{K1}(00100010) = f_{K1}(0010010) = f_{K1}(00$$

$$f_{k_{2}} \left(\begin{array}{c} 0 & 0 & 0 & 0 \\ \end{array} \right) \left(\begin{array}{c} k_{2} & = & & & & \\ \end{array} \right) \left(\begin{array}{c} k_{2} & = & & & \\ \end{array} \right) \left(\begin{array}{c} k_{2} & = & & \\ \end{array} \right) \left(\begin{array}{c} k_{2} & = & \\$$