Plain text OK

Ascii key for $O = 79 = \text{hexadecimal } 4F = \text{binary} = 0100 \ 1111$

Ascii key for $K = 75 = 4B = 0100 \ 1011$

From Key generator we derived sub keys k1 and k2

 $K0 = 1010\ 0110$

K1= 1011 0111

Function (F) can be any complex operation,

Here suppose we use function (F) = AND operation

Input		Output
Α	В	Y=A.B
0	0	0
0	1	0
1	0	0
1	1	1

Α	В	XOR
0	0	0
0	1	1
1	0	1
1	1	0

For first round

F0= AND of R0 and K0

= 0100 1011 AND 1010 0110

= 00000010

R1=L0 XOR F0

=0100 1111 X-OR 00000010

= 01001101

L1= R0=0100 1011

For Second round

F1= AND of R1 and K1

= 01001101 AND 1011 0111= 00000101

R2=L1 XOR F1

=0100 1011 XOR 00000101

=01001110

L2=R1= 01001101

Now swap L2 and R2

Lc = 01001110 = 4E = 78 = N

Rc = 01001101 = 4D = 77 = M

Now decryption