```
ENCRYPTION
  Take 6 Plain Text
Pi= 65535 P2 = 38459 P3 = 14632
Puz 18591 P8=55321 P6=81321
 M. Im: => (41 × 43 × 45 × 47 × 49 × 83)
        M= 9883550765
 Mi - M
  M1 = 9683550765 = 236184165
   M2= H 225198855
   M3 = M = 215190017
ster)
   M4 = M = 206032995
   MS= M = 197623485
   M6 : M = 182708505
  Xi = B(mixmit) mod Mi = 1
   XI = (M, x m, 1) mod M, =1 => 132493556
   x2= (m2 xm27) mod M2 = 2 => 209487307
   X3 = (m3x m31) mod M3 = 1 => 176934014
   X4 = (m4 x myt) mod M4 = 1 -> 17534723
   X6 = (ms x mst) mod Ms =1 > 92762044
   X6 = (m6 x m64) mod M6 = 1 => 24 131312
         CI (2) (3) (4) (6, C6)
```

send to skit just energy ber

## xi = Pix Xi mod Mi)

X1 = 65535 x 132493556 mod 236184165 = 1286734865 22 = 38459 × 20948 1307 mod 225198855 = 18:330 2288 x3 = 14632 × 176934014 md 218190017 = 162588338 x4 = 18591 × 17534723 mod 206032995 = 43837203 26 = 55321 × 92762044 mod 197623485 = 1129 X6 = 81321 × 24131312 mod 182708505 = 93079452

mod Mi Ciz zixk

where Kx Kt mod mix!

assume R=58

C1 = 126734565×58 mod 23(184165 28895655

C2 = 183302288.x58 md 225191855

= 47186519

C3 = 16 2588338x58 rd 215190017

= 176952873

C4 = 43837203x mod 206032995 K1 = 202480202 1/1 bo ( Th sile) s X

270161834

C5 = 1129x58 mod 197623485 Kt = 51109522

265482

- 93079 482 ×58 md 182708505 K+ 2148056992

z 1000 61571

C1, c2, \$3, C4, C5, C6, Send send to skib jack encryption

×=36649267

x1=9+068472

Kt = 152117081

```
DECRYPTION
           C1, C2, C3, C4, C5, C6 => P1, P2, P3, P4, PS
(1=28895655 (2=47.12.65+9, C3=176952873
C4 = 70161834 C5 = 65 482 C6 = 100061571
    x; z(C; x Kil) mod Mi where Kley KxKi mod Mi
   Hore 12 58
    11=28895655×36649267 mod 236184165
     X1 = 126734565
    x2= 4718.6519 ×97068472mod 225198855
     12=118 330 2288
    x3=176952873 x 152117081 rod 215190017
     24 = 70161834 × 202480902 mod 206032995
        2162588338
         = 438 37203
     x 5 2 65482× 51109522 mad 197623485
     x6 = 1000 61571 x 148 056892 mod 182708505
```

z 93079452

 $P_1 = \chi_1 \times m_1$  and  $M_1$   $P_2 = 126734565 \times 41$  mod 236184165 = 65536  $P_2 = 183302188 \times 43$  and 225198855 = 38459  $P_3 = 162588338 \times 45$  mod 215190017 = 14632  $P_4 = 43857203 \times 47$  mod 206032995 = 18591  $P_6 = 1129 \times 49$  mod 197623485 = 55321

P6 = 930.79482×53 mod 182703505 = 813121

7 h c 2016 1234 2556 205 350 3605 362

x 5 c 63 482 x 811 675 23 c d 1976 2 34 x 5

x c = 1000 637 8 71 x 148 0 6392 ried 182705 105

5 3 4 9 1 3 8 8 8