```
: Dhea Angellena Engel
Nim
       : E1E1 20005
Kelas : Ganjil
 * kunci: "Saputra 1", lon (k)=8
  Array S = 0,1,2,3,4,5,6,7,8, ..., 100, 101, 102, 103, ..., 253,284,255
* Iterasi pertama > 1 = 0
  1= 0
   =) i = ( ]+5[i]+ K[i mod len(k)] ) mod 256
        = (0+0+k[0%0]) % 256
        = ( k [ 0 ] ) % 256
   ("5") 1/256 =) milai desimal dari "5" = 115
        = 115 % 256
    1 = 115
       Swap (5[i], 5[i])
                                                            is become becoment in 3
      Swap (5[0], 5[115])
 Array 5 = [ 115, 1,2,3,4,5,6,7, ..., 110, 111, 112, 113,0, 116, 117, ..., 199, 200, 201, 202, 203, 204, 205, ...
             250, 251, 252, 253, 254, 255
* Acras kedua
                    1-1
                              25 6 1 definal day " - 117
   1 = 115
   =) ] = (j+ 5[1]+ k[i / len(k)]) % 256
        = (115, S[1]+K[1%0]) / 256
        = (115 +1+ [1])% 256
        = (116 + "a") %, 256 =) desimal dan "a" = 97
        = (116 + 97) % 256
    25 4 = 213 %. 256 00 ... 4134 1 5 5 100 000
                                                       101 5
     1 = 213
    Swap (5 [1], 5 [1])
                                                            Poles rolls - 21.4
    Swap ( 5[1], 5[213])
Array 5 = [ 115, 213, 2, 3, 4, 5, 6, 7, ..., 112, 113, 114, 0, 116, ..., 210, 211, 212, 21, 214, ...,
            200, 251,252, 253, 254, 255]
                                   711 - 3, powery to 252 20 ( 3, + 261)
                                                          - 11g + 116)7. LEG
```

```
* Iterari ketiga -11=2
  1 = 213
  =) | = ( ] + s[i]+ K[i/, kn(k)]) /, 256
     = (213 +s[2]+k[2% 8] % 256
     , { 218+ 2 + k[2] % 200
     2 215 + 112 1/2 256 2 25 - 201 201, 101, 001, 10 1 0 1 F. J. 21 M. 20 5 1 0
     = (21s + "P") 4.256 =) defined dari "P" = 112
     · (215 + 112) %. 256
     =387 % 206
  j = 71
                            one part [[(1) as been 1] & + [1] 2+6).
    Swap (S[i], S[i])
                                                 Jas 1 (10] d) -
    Swap (S[2], S[71])
 Array 5 = 115, 213, 71, 3, 4.5, 6,7, ..., 69, 70,2,72, ... 112, 113, 114, 0, 116, ..., 210,211
          212, 1, 214, ... 250, 251, 252, 253, 254, 255]
                                                (ILIL. [i] 1) soul
 * Iteraci keempat i = 3
   7=71
 1) i= (j+s(i]+k[i y, len(k)]) 1/256
    = (71+3+ F[3])% 206
    = (74+"U") %. 256 =) definal dan "U" = 117
    > (74+117) % 256
    = 191 % 256
 J = 191
   Swap (S[i], S[i])
   Swap (5[3], S[191]) see " and house ( 200 1 (50" x 31)
Array 5 = 115, 213, 71, 191, 4,5, 6,7, ..., 69, 70,2,72, 112, 113, 114, 0, 116, ...,
          189,190,3,192, ..., 200,211, 212,1,214, ..., 200, 281,252,253,254,255
* Iterasi kelima -> 1=4
    1 = 191
 =) j. (j+5[i]+ k[iy. len(k]) / 250
    - (191+ S[Y]+ F[, 4%. 8]) %. 256
    = (191 + 4 + K [4]) % 256
    = (195 + "t") % 256 =) desimal "t" -116
    = (195 + 116)%. 256
    - 311 % 256
```

```
1 = 22
  (rí]2, [i]2) gowa
  ([22]2,[4]2) gaws
Array 5 = L 16, 213, 71, 191, 55, 5, 6, 7,0, ..., 53, 54, 4, 56, 57, ..., 69, 70, 2,72,73, ...
           113,114, 0, 116, 117, ..., 189, 190, 3, 192, ... 211, 212, 1, 214, ..., 250, 251, 252, 253,
           234,255
* Iterasi keenam - 1 - 5
=) j = (j+5[i]+ ×[1% lon(x)]) % 200
    = (15+5[1]+ K[5% 8]) % 200
 = (cr +5+ [1])% 256
- (60t "1" ) 7. 200 =) desimal "+"-114
 = 174 %, 256
J = 174
Army 5 = [ 115,213,71,191,55, 174,6,7,8,...,53,54,4,56,57,...,69,70,2,72,73,...
          18, 114, 0, 116, 117, ..., 172, 173, 1, 175, 176, ..., 189, 190, 8, 192, 198, ...,
          211,212,1,214,216, ..., 200, 251, 252,204,255
* Iteras ketyph -) i= 6
    1 = 174
=) j = (j +s[i] + Ei/ len(x)]) 7.256
    = (174 + 5[6] + E[62. 0]) %. 20C
    = (174 + 6 + EE 67) % 206
    = (100 + "a") %. 206 -) derimal "a" = 97
    = (180 + 97) 1. 252
    = 297 % 256
 1 - 21
   Swap (r[i], s[j])
   Swap (S[6], S[174])
Array 5 = [115, 213, 71,191, 55, 174, 21, 7,8, ..., 19,20,6, 22, 23, ..., 53,54, 4,56,
          57 ... , 69 , 70, 2 , 72, 73, ... , 113, 114,0 , 116, 117, ... 172, 173 ,5 , 175 , 176,
           -.., 109, 190, 5. 192, 198, ... 211, 212, 1, 214, 215, ..., 250, 251, 252,
          ... 253,254,255
```

\* Iteras Kedelapa -> 1=7 1= 4 =) j= (j+ s[1] + k[i% |en(k)]) 1/256 -(21 +5[7] + ×[7% 0]) % 206 128 = (21+++ + E7] 17. 206 (21 2 00), 10) (31), 311, 31, 3 (11), 21) = (20 + "1") % 256 - desimal "1" - 49 - (20 +49) 7.756 = 77 % 256 Iteral Maran - 1 - 1 = 77 1 ( 1 ( [ [ ] + [ ] + [ ] ) ) 2 1 1 6 C Swap = (S[i], S[i]) Swap = (S[7], S[77]) Army's [ 115, 213, 71, 131, 55,21, 77,8, ..., 13,20,6,22,23, ... 53,54, 4,56,57... 69, 70, 2, 72, 73, 74, 75, 26 , 7, 70, ..., 113, 114, 0, 16, 117, ... 172, 5, 175, 176, ... 109 190,3,192,133, ... 211, 212,1,214, 215, ..., 250,251, 252, 253, 254, 255 18, 114, 6, 116, 117, 1, 192, 193, 194, 196, ... 211, 212, 1, 214, 216, ... 200, 2013, 212, 204, 200 18 , 415, 41, 16, 18 , 18 4, 21, 708, ... allocare is so, 18, 18, 18, 18 , 18 , by , 30, 2, 82, 33, 11, 0, 113, 117, 0, 113, ... 13, 193, 5, 135, 186 \_175, 425 ...

```
P = 2005
  Array S = (115, 213, 71, 191, 55, 174, 21, 77, 8, 9, 10, ..., 20, 6, 22, ..., 54, 4, 56, 70, 2,72,...
           76, 7, 70, ..., 114, 0,116, ..., 173,5, 175, ..., 190,5, 192, ... 212,11, 214, ... 254, 255]
   Plainteks / P=2005
* Items Pertang -> 1=0 j=0
    For Index 0 to length (P)-1
           = 0 to (-4)-1 = 0 to (3) Is born 185 Is born (15 1 12).
   1 = (i+1) med 256
   1 = (0+1) mod 256
   1 = 1
                                      Jas Jam (Cas Iz + Calz) : -
   j = (j + s [i]) med 256
   J = (0 +213) mod 256 - 213 mod 256
  1 = 213
     Sup (S[i], S[i])=(S[I], S[213])
                                                    [1] 1 0 U . 2
                                                        - 94 & C
    t=(S[1]+S[213] mod 256
                                                      4 350 11 De
    t = 1 + 213 mod 256 = 214 mod 256
                                                    000 0000 0
                                    (2 latigno) 2 = 26 = 1100 pero
    t . 214
    V = S[214]
                                                          what wall &
    c = U 0 P[0]
                                                        1 . 2 . . 28
      = 214 0 2
                                                  (2) of 0 - notice not
     =11010110
                                                 das born (111) 1
     00110010
                                                 1 = [211] mod 216
      11 10 01 00 = 220 = 9
                                            228 horn ([1]2 16) +6
                                          1 = (20 + 2[ ]) mad 256
                           ([e/e]2, [e]2)-([1]2, [i]2) mail
                                      225 pour ([018]2 . [1]2)- 1
                                272 have sign des home (121, 119). I
             THE
                                    10011001
                                                     [1] 1 0 4 1 3
                                 $ 0000HOD <
                         011
                                                      0 0 42/ =
```

```
# Iteras Kedus
  i=1, j=213
  Mainlefu / 9 - 2005
   1 = (1+1) mod 256
   1 = 2
                                        there lateral of 100 Jap
  1 = (j + s[i]) mod 206
                                To make ( to longs (e) .
  J = (215 + 5 [2]) mod 256
  J. (213+71) mad 216:284 mod 256 (1) at 0-1-(4-) of 0-
                                              275 hom (1+1) + 1
     j = 28
                                              275 have (1+0) = 1
  Swap (S[i], S[j]) - (S[2], S[28])
                                          1- (1 +4 [1] med 216
   t = ( s[2] + s[20]) mod 256
   t = (20 + 71) mod 256 = 99 mod 256 256 ben [1]2+0]
                                (0 + 018) not 256 - 212 mod 256
   £ = 99
   [20] 2= P
                          ([15]2, [1]2) - ([1]2, [1]2) quil
   C. 4 0 P [1]
    = 99 0
                                   125 poin [ 212 1 + [1 ] 2) - 7
    = 0 11 000 11
                             2-1 + 212 mad 256 - 214 mod 256
    00 11 0006 6
    01010011 = 83 = S (capital s)
                                                   4. 214
                                                   [Mr Ji - V
                                                0 1 0 0 00
* Iterahi ketiga
                                                  2 3 42 -
  i = 2, j = 28
 for Index = 0 to (3)
                                                   0/10/01/-
                                                $ 01801100
    1 = (i+1) med 256
    1 = (2+1) mod 256
                                         11 10 01 00 - 228 - 4
    1 = 3
   j = (j + S[i]) mod 256
   J = (20 + S[ 3]) mod 256
     Swap (S[i], S[i]) = (S[3], S[219])
   6 = (5[2] + S[219]) mod 256
   t = (219+191) mod 256 = 410 mod 256
   t = 154
  U= S [154]
                       10011010
   C=U @ P[2]
                    > 60110000 0
                       10101010 : 170
    = 154 00
```

```
* Iterasi keempat
  1 = 3 j = 219
  For index = 0 to (3)
      i = (i+1) mod 206
     j = (j+s [i]) mad 256
     ] = (219 + 5[3]) mod 256
] = (219 + 55) mod 256 = 274 mod 256
     j = 10
   ([0]], [4]2)=([[]2, [i] 2) quul
    t = (s [40] + s tio]) med 200
    E = (18 +58) mod 256 = 73 mod 256
    t = 73
   4= 1/217
   u = s [77]
      C = 40 P[3]
                     = 01001001
                                      01001001
        > 33 0 E
                        00/10101
                                      00110101
                                      01111101 -125 7
                        011100
    Hart Array 5 . [ 115, 1, 20
```