```
Date.
        : Alfriganti Ahmad sipa
 Nama
        : £1112005€
 Nim
Malkul : kriplografi
Soal
 Keyaran soal dangan metode ksa dan Para, Plaintext nim (gangra) dan
 Eunci (saputra1)
  peny:
                    0,1,2,3,4 5,6,7,8,9,10,.....20,23,24 .... 245,246,
        Arruy
                    247,240,249,250,251,252,253,254,255,256]
  DIK :
   k = Saputras
                      Lengh - 8
              . 115
   ko · S
   k1 . a
              , 97
    J: 0 J: 0/ipertama
    J = ( ] + S[i] + K [i mod length (k)]) mod 256
    Jan: (0 + 5 [0] + k [0 mod length (8)]) med 256
       = (0 1 0 + k [g]) mod 256
       · (0 + K[115]) mod 256
        = 115 mod 256
  Swap = (S1(3, S13))
  Swap : (5[0],5[115])
        = (115 + S[1] + k [ 1 mod length (0)]) mod 256
        = (115 + 1 + k [1]) mod 256
        = (116 + k[a]) mod 256
        = (116 + 97) mid 256
        = 213 med 25 6
    Swap . (517, 51213)
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Date.
       , (213 + 5[1] + 1 L 2 med Length (0)) mod 216
       . (213 + 2 + k [2]) med 256
        = (215 + k [P]) mod 256
        = (215 + 112) med 216
        . 327 med 256
         - 71
     Swap : [5 (2), 5 [71)]
        = (71 + 5[3] + k [3 mod length (0)]) mod 256
 Jan
         . (71 + 3 + k (3)) mod 256
         = (74+KLU7) mod 216
         = (74+ 117) med 256
         = 191 mod 256
         = 191
   Swap - [5(3), 5(191)]
       = (191 + 5 [4] + 1 [4 mod Length (8)]) mod 256
Jegz
       = (191 + 4 + 1 (4) ) mid 756
      = (195 + K(t)) mod 256
       = (145 + 116) mod 256
        = 311 med 256
       - 55
   swap = [5 (4), 5(55)]
        = (55 + 5(5) + k [s mod length (0)]) mod 256
Jas
        = (55 + 5 + K [5]) mod 256
        = (60+ k Ct ] ) mod 256
        = (60 + 114) mod 256
        = 174 mad 256
        = 174
   Swap = (5[5], 5[174])
161
        = (174 + 5 (6) + k [ 6 mod length (0)]) mod 254
        ; (174 + 6 + k (6)) mod 256
        = (100 + 1 [a]) med 156
        = (100 + 97) mod 256
         = 297 mod 256
         - 21
     Swap = ( s[6] , s[11])
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Date.

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J(7) , (21 + 5 (7) + k [7 med (0)]) mod 256

: (11 + 7 + k [7]) mod 256
```

= (10+ 1 [17) midar6

= (20 + 419) mod 216

= 77 mod 256

= 77

swap . [s [7], s [77])

Laturan Herasi hinggo Herasi te-25, sehingga:

S = [115, 213, 71, 191, 55, 174, 21, 7], 255, 105, 71, 44, 211, 101, 150, 244, 93, 207 121, 129 59,144, 79, 119, 35, 34, 39, 13, 156, 2, 14, 99, 165, 187, 186, 118, 6, 113, 169, 171, 15, 97, 255, 154, 250, 32, 57, 0, 117, 106, 104, 29, 3, 143, 64 100, 42, 18, 30, 54, 9, 7, 196, 0, 173, 242, 205, 78, 137, 133, 249, 176, 87.83,194,204,22,40,132,146,233,193,195,189,89,46,212,159, 103, 28,23, 124, 230,236, 188,72,85, 82, 164, 46, 225, 114, 56, 247, 192, 86, 142, 123, 1, 181, 149, 116, 215, 227, 198, 131, 231, 184, 177, 36, 76, 100, 107, 136, 140, 251, 127, 95, 7, 51, 66, 259, 158, 102, 237, 98, 69, 216, 26, 191, 30, 138, 139, 122, 16, 62, 19, 77, 220, 153, 33, 152, 154, 9, 161, 21, 216, 232, 248, 88, 148, 209, 228, 218, 175, 199,53, 154155, 170, 243, 234, 91, 166, 52, 239, 197, 183, 175, 199, 53, 155, 178, 243, 234, 91, 166, 52, 239, 197, 183, 244, 65, 157, 12, 120, \$70, 224, 147, 60 222, 108, 61, 160, 48, 14, 41, 126, 190, 68, 125, 145, 27, 151, 163, 128, 233, 203, 105, 45, 252, 92, 170, 172, 246, 63, 210, 238, 75, 201, 81, 182, 219, 161, 221, 110, 167, 111, 253, 179, 206, 245, 43, 241, 58, 20, 219, 55,67, 135,37,29,109,10,4,160,191,130,112, 84,11,202,240,90,80,5, 73, 50, 200, 200, 25

PGRA			
Olaval .			
Plamlex 1	· 2058		
Index	value	decimal	(A)
0)	50	
1	Õ	40	
1	5	55	
3	88	56	
ois I			
Dix: untuk			
1 = 0	1		
1 = 0			
Index: 0			
i - (i+	1) mod 256		2
	ssij) mod 256		
i ← (0 + 1) mod 256 = 1 mod 256 = 1			
j + 10	+ 5[1]) mod 25	6	
← (0	+ 5 [2 3]) n	mod 256	
+ (c	0 1213) mod :	256	
J - 21	13		
swap (s [1] , s[]])	= swap (5[1], 5(2133)	1001 0100
S = [115, 201,71,, 238, 75,213.81,,25]			
1 : S[i] + S[j] = [201 + 215] mod 256 = 158 0011 0010			
11 = C[1] = 148 - nival dari 158			10100110
C = U	1 P [Index]	= 148 @ P[0] = 148 @ 5	SU C= 166 = 1 1
CKY) K	F		3

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Date
      1 : 1
untuk
       J : 213
      1 = (111) mod 256 = (111) mod 256 = 2
      j co (j+s[i]) mod 256
        ← (213 + 5[2]) mod 256
        ← (213 + 71) mod 256
      J - 289 mod 258 = 28
SWAP (S[i], S[i]) = SWAP (S[2], S[20])
     = (115,201,13,156,2,14 ..... 13,17 .... 25
      t = S[[] + S[j] = 222 mod 256
           S[2] + S[20] mod 256
             13 + 28 256 mod 256
            41 mod 256
            41
           S[t] = 15
            U D P [ Index ]
         = 15 (F)
            1111 0000
      15
            0011 0000 F)
     40
            11000000
          = 192 = 2
```

```
cirihik 1 = 2
     ) :28
     1 - (i+1) mod 256 = (2+1) mod 256 = 3
      J - (j+scij) mod 256
        e (28+5[3]) mod 216
      J - (28+ 191) mod 256
        = 219 mod 256
        £ 219
                                      219
     Swap (s [1], s []) = swap (s [3], s [184])
       S = (115, 201, 13, 224, 2, 14, ... 13, 17... 25)
       t = S [[] + S []] moders 256
          = S [3] + S[10 21g] mod 256
          = 224 + 219 mod 256
          = 993 mod 256
          = 107
       4 = SEEJ = 222
       C = UDp Cindex1
       222 = 1101 1110
            0011 0101 A)
            11101011
         C = 235 = e
```

```
1 = 3
unhy
       J = 219
       P = (1+1) mod 256 (3+1) mod 256 = 4
          = (1+ SCIJ) mod 256
          = (219 + SIAJ) mod 256
           = (219 + 55) mod 256
           = 274 mad 256
           = 18
       SWAP (SEIJ, SEJJ) = SWAP (SE4J, SE18J)
         S = (115, 201, 13, 224, 7)
         + = S[i] + S[j] = S[4] + S[18] : 7 + 18 mod 286
              = 25 mod 256
              = 25
                                            35
                                              0010 0011
          U = SCt] = 35
                                               0011 1000 A
                                                0001 1011
          c = 4 1 p linder ]
           C = $35 1 P[3]
                                            C = 27 = ESC
```