```
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), 5[2113)
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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			
1 (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)	21001 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 - nual dari 158				
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
```

unhik i = 2	
y = 20	9
ì - -	(it 1) mod 256 = (2+1) mod 256 = 3
	() + s [i]) mad 256
	(28+5[3]) mod 256
ے ر	(20+ 191) mod 256
–	219 mod 256
4	219
Swap	(s[1],s[])=swop (s[3],s[104])
	(115, 201, 13, 224, 2, 14, 13.17 25)
ŧ =	S [[] + S[]] moder. 256
7 -	S [3] + S[10 219] mod 256
>	224 + 219 mod 256
	493 mud 256
	107
U =	S[t] = 222
C =	uf p [Index]
	1101 1110
53	0.014 0.04
	11101011
<u> </u>	z 235 = É
	15-25
11	green in a more than the state of the state
117	

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Unhak
           . 184
           · (1+1) mod ase (3+1) mod ase . 4
           · (1+5(11) med 256
            21c pow ( (4) 5 + 601) ..
            = (104 + 55) mod 216
            : 129 mod 216
            : 129
       Swap (S[i], S[j]) = swap (S[4], S[129])
          · (115, 201, 13, 224, 7
            S[[] + S[]] = S[4] + S[119] = 7 + 129 mod 256
          = 122 mod 256
              122
            · S(l) : 91
            = UD P [ Index ]
        C
               91 @ P[3]
                91 =
                      0101 1011
                56
                       0011 1000 A
                       0 1 10 0011
                          MY
               = 99
```