```
Noma: Faria rahmon larde
NIM : EIEILOUIS
* Algorithm (Key - Scheduling algorithm (KSA)
 Kunci: "Saputal", len (K) = 8
Array S = [0,1,2,3,-..,100,101,102,103,..,253,
               254,255]
* Iterasi pertama i = 0
  = (j+5[i] + K[i mod len (K)]) mod 256
= (0+0+ K [0%8]) %. 256
         (K[0]) % 256 => Nilai denma dasi "5)=115
        - 115 % 756
     SWAP (SCI], S[)])
     SWAP (5[0], 5[115])
   array 5= [115, 1,2,3,4,5,6,7, --, 110,111,112,43
               144,0,116,117, --- > 199, 200,201
               202,203,204,205, ..., 250,251,252,25)
              254
```

* Iterasi (cedua $\rightarrow i=1$ j=115 j=115 j=(15+5[i]+K[i]/6[en(K)])/7 j=(115+5[i]+K[i]/6]/6 j=(115+1+K[i])/6]/6 j=(116+97)/6 j

Array 5 = [115, 213, 2,3, 9, 5,6,7, ..., 112, 113, 119, 0, 116, -..., 210, 211, 212, 1, 219, ..., 250, 251 202, 253, 24, 255]

```
Iterasi (retiga -> 1=2
         = 213
       ) = (j+s(i)+ K[i/, len(K)]) /, 256
            [213+5[2]+K[2], 7. 256
[213+2+K[2]) 7. 256
[215+"P") 7. 256 = desiral dati
                                               dali "p", 112
             (215 + 112) 1.256
            327 % 256 > Swap (5[i], 51
                                Swap (5[2], 5[7]]
       Array 5 = [115,213, 71, 3,4,5,6,7, -..,69,70,2,72,...
                112,43, 49,0,116,..., 210,211,212,1,214,-
                250, 251, 252, 253, 254, 255]
Iterasi (ceemport -> i= 3
        j=71
        j = (j + 5[i] + K[i/, len(k)]) % 256
                +5[3] + K[3 /0 8]) % 256
            (71+3+K[3])% 256
(74+"4")%, 256 => desimal dari "4"=11)
(74+117)% 256
Swap =
                  [3], S[191])
Array = [115, 213, 71, 191, 4,5,6,7, ---, 69,70,2,72,---, 210,211,
               212, 1, 214, --, 250, 271, 252, 253, 254, 25
```

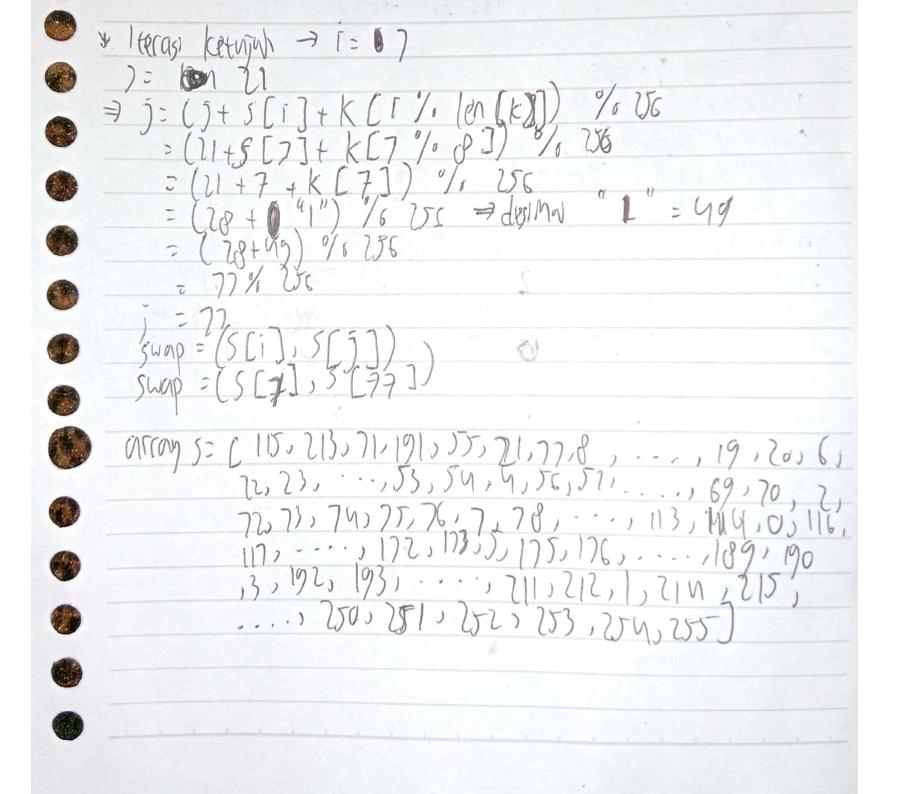
```
lælima - i = 4
terasi
  =191
     1-+5[i] + K[i/, len(k)])/,
1(19) + 5[4] + K[4/0 8]) %
     (19) + 4 + K [4]) % 256
(195 + "t") % DE > desimal "t" = 116
(195 + 116) % V6
     311% 06
SWAP: (SCI], S()]) => (SC4], S(55])
Array 5 = [115, 213, 71, 191, 55, 5, 6,7,8, ..., 53,54, 4
           ,56,57, ..., 69,70,2,72,73, -1, 113, 119,0,116,
          256, 251, 52, 253, 2545 255
 terasi (cenam -> 1= 5
 = 55
7 = ( ] ts Ci] + K[i % len (K)]) % 256
  = (55 + 5[5]+ K(5 1/18)] 1/6 256
= (55 + 5 + K [5]) 1/6 256
     (60 + " F") / 50 = derind " F" = 114
     (60 + 114) % JE
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Arrony 5 = £ 115,213,71,191,55,174,11,718,---,
19,20,6,22,---,53,54,4,56,--,69,70,2,72,
---,(13,114,0,116,---,172,173,5,175,---,
189,190,3,192,193,----,711,212,1,214,---,
1,250,751,252,123,154,255]

Iterson Ketninh -> i = 6 = (174, 5[i] + K[i 1/6 len(k)]) /0 U6 = (174, 5[i] + K[6 1/6 8]) /1 U6 = (174+6+K[6]) /0 U6 = (180+"0") /6 U6 7 desimal "0" = 97 = (180+97) % U6 777 % 256 (5[6],5[21]) [115,213,71,191,55,179,21,7,8 19,20,6,22,23,--,53,54,4,56,57, 69,70,2,72,73,--,113,114,0,116,117,---172,173,100,5,175,176,--,189,190,3,192 193, --- , 211,212 11,219, 215, ---250,251,256,253,259,255



* Algoritma: Psynde-random generation organism (PRGA) array 5= [115,213,71,191,55,174,21,77,8,..., 19,20,6,22,23, -- , 53,54, 4,56,57, -- , 69,70, 2,72,73,74,75,76,7 78, 78, 78, 78, 175,176 214,215,---, 250,251,252,23,254, [5] blowkolce = a 5058, = (()+1) /6 256 = (\$+5[i]) /125C O + S (IJ) % 256 SUMP 1 (3[1],5[)]) =7-(5(1),5[213] acrons = [115, 1, 71,191, 55, 174, 21, 77,8,..., 19,20 6,22,23,..., 53,50,4,56,57,-.., 13,114,0,16,117, 172,173,5,175,176, ..., 189,190,3,192,193,... [252, N55, 825, 252, 1520 PD 6 MIZ (817 1212

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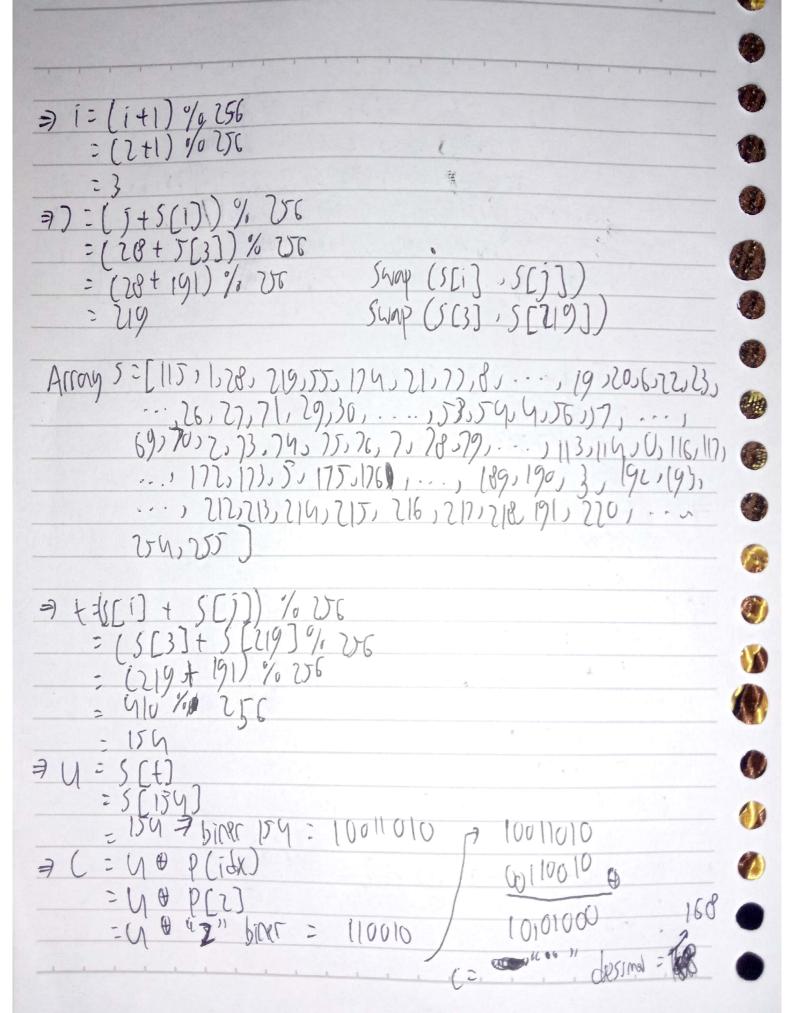
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```
[115, 1, 78, 191,55, 174, 21,77,8, --, 19, 20.
 Array 5
            16, 22, 22, ..., 26, 27, 71, 29, 30, ..., 53, 54
            14,56,57, ..., 69,70, 2,73,74,75,76,7,78,
            ..., 113, 114, 0, 116, 117, ..., 172, 173, 5, 175
           176, ..., 189, 190, 3, 192, 193, ---, 212, 213, 214
=> += (5[i] + 5[j] % W6
     = (5[2]+5[28]) % 256
= (28+71) % 256
     = 99% 756
       99 => biner 99= 11000 11.
       U & P[17
            " =) biner "0" = 110000
     - 1100011
        0110000
       1010011
 Iteracsi Letiga
                 -> ldx = 2
    j= 28
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* 149195) (apmgor 7 101 = 3 7)=(j+5[i])% V6 = (219 + 5 [4]) % U6 = (219 + 55) % 256 = 274 % U5 = ()+1) % 256 Swap (S[1], S[)] > (S[4], S[18] array 5 = [115, 1, 28, 219, 18, 124, 21, 27, 28, ..., 6, 17, 55 4, 56,57; 69,70, 273,74, 75,76,71,78,79,--113,114,0,116,117,..., 172,173,5,175,176, 216,217 218,00, 3, 192, 193, ..., 212, 213, 214,25 (5(4) + 5(18)) 1/0 2JE - (18+22) / 6 526 7 PIUSE = 100/00/ C= U & PCIEXJ agu biner = 111000 =01001001 601110000 01110001 (= 4-9" desimal