02.) 501?

plaintext: 123456ABCD132536

Binay form

Pipas Inni
0 0 0 1 0 0 1 0 0 5
inited permutation (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
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(1D1=D) (21 54 1 410 31 30 21 147 (D) = D110= (371 50 45 130 50 21 (10 24 10 10 10 10 10 10 10 10 10 10 10 10 10
(57 49 410 33 25 110 90 10) (57 51 43 35 27 19 11 30) (57 51 51 43 35 27 19 11 30) (10 50 45 77 21 21 130 50)
13 55 47 37 31 23 150 7 1
14A7D67818CA18AD Ginited permutation A 9679E81761B8481 Ginverse initial

- I Ku

Oc) 501,

" COMPUTER"

ASCII:

6

0 = 01001111 .

P = 18181838

U = 37878781

T = 57575755 E = 57555757

R = 07618676

Initial Permutetion?

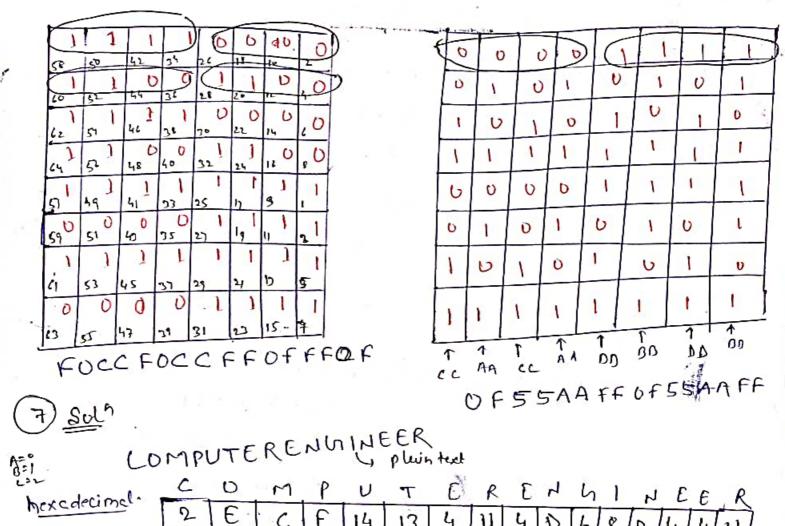
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53	1	5~	١	4L 1	34 1	24 1	12 [10 1	2 1)
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61	0	53	6	45	3) O	29	۱,۲	01	50	
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13		ςs		Lya	35	31	29	15 1	7 1	1.7

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١	1	1	1		1	1	1
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0	-	4	1	Ε	1	R	1

05)5017;

5 50 50 61 10 1

12. 8-4 /A"



12 (D)

& take:

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١.	bio	610	620		34
	Em	13,	D 50,	1.4	131
1	C	4,	١,	14	63 2
1	F	3 11	8 4	11	ימו

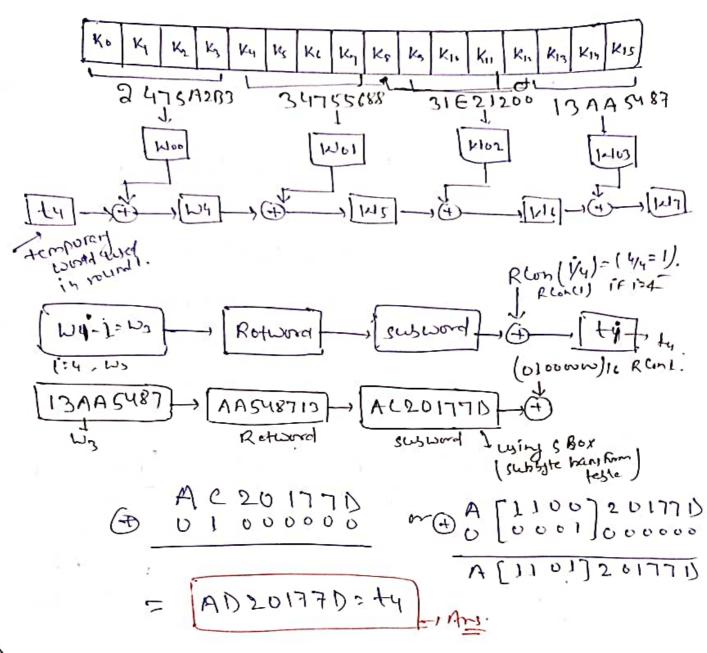
ms

```
(08) <u>so</u>l" hiven
  for DE7-105 16= 218+24+23+21+1 = Wille
    RCon[11] = RC11 = 211-1 mod prime = 21 mod prime
                     = No (No) mad brime
                     = 25 (21,4x2+2+1)
                       = Ne+22+23+425
                             801101100
                             = (6000000)16
     R con [12] = RC12 = min-1 mod prime = mil mod prime
                            = 20(28) way wine
                            = 20 (2/4423+241)
                            = ソノナン・ナントナシュ
                            = 11011000
                                   (1) 8 00 00 00) 16
      4E2-32 , Ib= 28+24+23+21+1
      Rem [13] = Re13= 2/3-1 modernine = 2/2 mod prine
                       = wr ( 28 ) wood lessure
                       = : 21 ( 2, +23 + 2+1)
                        = 28+22+22+2A
                         = (2) 2+ 2+ 1+1+
                            27 +m5+m7 (ancele ( even wefficient)
                             Ju + 2 2 + 2 + x + 1
                                 10101011
                                 (AB 00000)16
```

Run [14] = RC14 = N14-1 mod prime = NE (NB) mod prime = w2(w, +w, + w+1); = 20+28+20+22 = 2r(NA+NS+N+1)+(2/A+N3+N+1) + ~ (+ ~ 5 = 25/42/424 4814 + 27 + 26+ W2 +2 = ~ p+23+2+1 01001101 = (40000000)16

		2			
Round	(Rwn)	Round	(R Con)	Round	(Rwn)
	(0) 00 00 00)11	5		9	
1		L		10	(EC 00000)11
2	24	7		1 11	
13		8	1	12	(V8 as as as) 11
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