, print encrypted message

ITEM 2: compute DEC_E, given ENC_E and )	
read value of CAMBDA	
i, lead such besy we stade (nompers)	
dec E-wrap:	
mov LEN, CL	
XOR SI, SI; used as index for DEC E and EN	C_E arrays
MOU DU, LAMBDA	
dec_E_loop:	
XOX AH, AH	ENC_E M2 M2 eM3 eM4
MOV AL, ENC_E [SI]	DEC €   X1 X2 X3 Q4
SUB AL DL	
CHP AL, D	$ds = dl_1 - \lambda$
JGE update_Dec_E	IF X1 > O => STORE X1
ADD AL 128	1F X1 <0 → STORE X1 + 128
update dec E:	
MOV DEC E ISI DEC VOM	1F Xi≥O ⇒> STORE Xi
HOV AL, ENC_E [SI]	1F Xi < 0 ⇒ stoe≡ di+128
INC SI	
loop dec_E_loop	
print DECLE array as characters	

```
ITEM 3: (decrypt only one draw at position I)
            compose DX_I, given X, I, ENC_E
    read 1, I and ENC. E
   HOV I, AL
   CHP AL, O
   JE decrypt With Lambdat
   XOR DI, DI
   XOR AH, AH
   ADD DI, AX ; position I
                ; position I-1
   SUB DI, 1
   MOV DL, ENC_ETATI ; Mi-1
   THP decrypt One Chart
dearypt With Law book :
   MOV DL LAMBON
decrypt One CharE:
  XOR SI, SI
  ADD SI, AX , position I
   SUB AL, DL JULY - MI-1 OR MI - X
  CMP AL, O
   JGE update_DX_I
   100 AL 128 : IF Mi-Mi-A CR My- A < 0 -0 ADD 128
update_DX_I:
  MOV DX_I, AL
   print decrypted than:
      MOV AH 2
       MOU DL DX_I
       INT 214
```



```
ITEM 5: COMPUTE DEC_D, given ENC_D and A

ITEM 5: COMPUTE DEC_D, given ENC_D and A

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ITEM 5: COMPUTE DEC_D (numbers)

AND DL, LAMBRA

HOV BL, LAMBRA

HOV BL, LAMBRA

HOV BL, ENC_D [SI]; char to be decrypted (Mi)

SUB AL, DL

ADD DL, ENC_D[SI]; to be used in the next decryption

CMP AL, O
```

JGE update\_dec\_D

851, JA DOA

update\_dec\_D:

MOV DEC\_D CSII, AL

400 SI, 1

loop dec\_D\_loop

$$\frac{100}{100} = \lambda$$

DECRYPTION WITH AUGO D:

$$V_i = M_i - M_{i+1} - ... - M_0$$

IF  $V_i \ge 0 \Rightarrow STORE V_i$ 

IF  $V_i < 0 \Rightarrow STORE V_i + 128$ 

```
ITEN 6: COMPUTE BY I = char at position I decrypted with algo D
  : read I, A, ENC_B
   HOV DL CAMBDA
    CHP AL, Ø
    JE decrypt One Chard
    XOR SI, SI
    MOV CL, I
    XOR CH, CH
add loop:
    ADD BU ENC D [SI]
    1,12 day
                       at the end of the loop, CDL> = 1 + , ll + ... + , li-1
    loop addloop
decryptonechard:
   XOR AH, AH
   XOR DI, DI
   ADD DI, AX , position I
   MOV AL ENC D [01] day at position I to be decapted
    JUB AL BL
   CMP AL, Ø
    JGE save Decrypted CharD
   851, JA 00A
Save Decrypted CharD:
   MOV DX. I AL
 Print DX_I
```