DIA MES AÑO NOTA /

"El deseo de escribir aumenta a medida que se escribe" Horacio

breathtaking → RUPOTENTOIFV } 12 letters

m → unknow

Requires that $\frac{12}{m} \geq m$ so m can only be 1, 2, 3

This is necesary for resolve linear equation

In case m = 3

Breathtaking corresponds [1, 17, 4, 0, 19, 7, 19, 0, 10, 8, 13, 6]

b → 1
r → 17
e → 4
a → 0
t → 19
h → 7
i → 8
n → 13
g → 6

r → 17
u → 20
p → 15
o → 14
t → 19
e → 4
n → 13
t → 19
o → 14
i → 8
f → 5
v → 21

$1a + 17b + 4c = 17$

$0a + 7b + 19c = 20$

$19a + 8b + 13c = 14$

$6a + 13b + 0c = 21$

(mod 26)

① $a + 17b + 4c = 17$

② $7b + 19c = 20$

③ $19a + 8b + 13c = 14$

④ $13b = 21$

(mod 26)

Resolvio ④

$b = 63 \rightarrow 11 \pmod{26}$

Resolv ②

$7(11) + 19c = 20 \pmod{26}$

$19c = 15 \pmod{26}$

Resolv ③

$19a + 8(11) + 13c = 14 \pmod{26}$

$19a + 13c = 4 \pmod{26}$

DÍA MES AÑO

"Más se estima lo que con más trabajo se gana"

② ecuación

$19c = 15 \pmod{26}$ $(\times 3)$

$c = 45 = 19 \pmod{26}$

③ ecuación

$19a + 13c = 4 \pmod{26}$

$19a + 13(19) = 4 \pmod{26}$

$19a = 7 \pmod{26}$

Inverso multiplicativo

$19 \times 3 = 5 \pmod{26}$ $\times 3$

$a = 21 \rightarrow +5 \pmod{26}$

Matriz

$$\begin{bmatrix} a & b & c \\ 11 & 17 & 19 \\ -5 & 1 & 11 \end{bmatrix}$$