

ONE TIME PAD CRYPTO CHALLENGE

MICHAEL

ISSESSION CTF 2023

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10
K	L	M	N	O	P	Q	R	S	T
11	12	13	14	15	16	17	18	19	20
U	V	W	X	Y	Z				
21	22	23	24	25	26				

MESSAGE(M) = 15 (O) 14(N) 5(E) 20(T) 9(I) 13(M) 5(E) 16(P) 1(A) 4(D) \leftarrow sum = 101

KEY(K) = 13(M) 20(T) 23(W) 5(E) 14(N) 20(T) 25(Y) 19(S) 9(I) 24(X) \leftarrow sum = 172

ENCRYPTED MESSAGE = 28 34 25 23 33 30 35 10 28

MOD26 = 2 8 25 23 7 4 9 10 2

ENCRYPT = (MESSAGE + KEY) MOD 26

DECRYPT = MESSAGE - KEY (MOD 26)

AUDIO message:

2.

8.

25.

23.

7.

4.

9.

10.

2.

mod26

