

Dupa ce analizam encryptarea, tragem urmatoarele concluzii:

Enc1=Columnar transposition cipher with a key=zxdfiuyypka

Enc2=Caesar cipher with a key of 35

Enc3=Playfair cipher with a key generated from "recomanded"

Enc4=Rail fence cipher with a key of 13

We use dcode for each step

Step 1: reverse Caesar:

WEWNTzQAXNNRNQKBPCCBUMezNTMPMzSPYOUzOWSVDzBPVQHDDGBEIzHOQMSh

Step 2: reverse columnar transposition:

HBQNCODSNWOPAQBWGPTEQVXKUSBYMWMQNBmVEOPNSHNpEDIUMTHDRCZZZZZZ

Step 3: reverse playfair cipher:

KNHEECCIEQRTNPnyAGQOPWYITQOTEZEUADRZRCQAQIAQCnLSOUINMEYWyWyWyWyWyWyWyW

Step 4: reverse rail cipher (we remove the YW's):

KEEPQIEARQCOMUNICDZTONQENCRYPQERQALIENSQAZUOWATCHINGYT

Step 5: reverse the premessage step:

KEEP_I_EAR_COMUNICDZTON_ENCRYP_ER_ALIENS_AZUO_WATCHINGYT

Now this is not the flag because the encryption is guaranteed to have collisions. Note, we had to add Z's for step 3 like in the code, then we needed to remove the YW's so rail cipher decrypts correctly.

From the plaintext we found we can easily derive the flag to be

KEEP_YOUR_COMMUNICATION_ENCRYPTED_ALIENS_ARE_WATCHING

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