

challenge description

Try to decrypt the secret cheese password to prove you're not the imposter!

setelah memulai challenge, kita diperlihatkan dua opsi

- (g) guess my cheese
 - (e) encrypt a cheese

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→ nc Verbat-steep.picoctf.net 6113
*****
***          Part 1          ***
*** The Mystery of the CLONED RAT   ***
*****
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The super evil Dr. Lacktoes Inn Tolerant told me he kidnapped my best friend, Squeexy, and replaced him with an evil clone! You look JUST LIKE SQUEEXY, but I'm not sure if you're him or THE CLONE. I've devised a plan to find out if YOU'RE the REAL SQUEEXY! If you're Squeexy, I'll give you the key to the cloning room so you can maul the imposter ...

Here's my secret cheese -- if you're Squeexy, you'll be able to guess it: CVIZNGVINIO
Hint: The cheeses are top secret and limited edition, so they might look different from cheeses you're used to!
Commands: (g)uess my cheese or (e)ncrypt a cheese
What would you like to do?

setelah itu coba masukan pilih (e), dan masukan nama keju disini saya memilih cheddar dan muncul encryption nya.

Substitution 1
What cheese would you like to encrypt? cheddar
Here's your encrypted cheese: JMFUUNS
Not sure why you want it though ... *squeak* - oh well!

setelah itu pergi ke cipher decode, pilih affine tools dan masukan encryption tadi

(statistically) best results are displayed.	AFFINE DECODER
abc = ABCDEFGHIJKLMNOPQRSTUVWXYZ	★ AFFINE CIPHERTEXT
↑↓	↑↓
A=1, B=5	EHAPPIN
A=11, B=13	CHEDDAR
JMFUUNS	

nilai $a=11$ dan $b=13$ setelah kita ketahui nilai nya selanjutnya masukan encryption yang diminta server

JMNLSJFLXF

The screenshot shows an affine cipher tool interface. On the left, a table lists several key pairs (A, B) and their corresponding plaintexts:

A=25, B=23	OLKMYOFSMAS
A=17, B=5	OFCISONAIYA
A=7, B=9	ATIEGAFSECS
A=23, B=25	ONEWAOLYWSY
A=11, B=13	CHAOURCOIE

On the right, there are fields for "EXPECTED PLAINTEXT LANGUAGE" set to "English" and "ALPHABET" set to "ABCDEFGHIJKLMNOPQRSTUVWXYZ".

dan nama keju yang di inginkan server adalah CHAOURCOIE
lalu pilih opsi (g) dan lakukan submit

The terminal session shows the exploit attempt:

```

File Actions Edit View Help
Remember, this is my encrypted cheese: JMNLZJSFLXF
So ... what's my cheese?
CHAOURCEOIE

Search for a tool
  * SEARCH A TOOL ON DCODE
    e.g. type 'random'
  * BROWSE THE FULL DCODE TOOLS' LIST

Results
Bruteforce attempt, all coefficients are tried,
(statistically) best results are displayed.
  = ABCDEFGHIJKLMNOPQRSTUVWXYZ

munch ...
  * A=25,B=23 OLKMYOFSMAS
  * A=17,B=5 OFCISONAIYA
  * A=7,B=9 ATIEGAFSECS
  * A=23,B=25 ONEWAOLYWSY
  * A=11,B=13 CHAOUCHREOIE
  * A=1,B=5 EHIGUENAGSA
  * A=11,B=7 MRKYEMBOYSO
  * A=15,B=9 AVCOIALYOUY
  * A=9,B=5 MVYSIMMNASCA
  * A=9,B=3 SBELYOSTGYIG
  * A=5,B=17 OZUEMOVVIEWI
  * A=11,B=21 GLESYGVISMI
  * A=21,B=21 SHMCUSLYCKY
  * A=5,B=5 GRMWEGNAWDA
  * A=19,B=11 ELWAYEZMACM

munch ...
  * A=25,B=23 OLKMYOFSMAS
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  * A=19,B=11 ELWAYEZMACM

MUNCH.....
YUM! MMMMMmmmmMMMMmmmMM!! Yes ... yessss! That's my cheese!
Here's the password to the cloning room: picoCTF{ChEeSy86ec32f4}

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