

```
b'hgame{G0od!_Y03_k1ow_C0ntinued_Fra3ti0ns!!!!!!}\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00'
```

ezPRNG

```
l=
['1111110110111011110000101011010001000111111001111110100101000011110111111100010
000111110110111100001001000101101011110111100010010100000011111101101110101011010
111000000011110000100011101111011011000100101100110100101110001010001101101110000
010001000111100101010010110110111101110011011001011111011010101011000011011000111
011011111001101010111100101100110001011010010101110011101001100111000011110111000
001101110000001111100000100000101111100010110111001110011010000011011110110011000
001101011111111010110011010111010101001000010011110110011110110101011110111010011
010010110111111010011101000110101111101111000110011111110010110000100100100101101
010101110010101001101010101011110111010011101110000100101111010110101111110001111
111110010000000001110011100100001011111110100111011000101001101001110010010001100
011000001101000111010010000101101111101011000000101000001110001011001010010001000
01100000010001001001001011101001111111011100100100100101111111001110000111110110
001111001111100101001001100010',
'001000000000101011110000110001110111110111100010010011101010111001011100110010111
101011000111010100000011000001100000000110000001101011111110111001001101110110100
001000111110001110010001010011100101100100010001100101010111100111010000111111011
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110010111011100010110111111110110101000101110110000100101011101101000001101000001
000101010000101111010010000110000000001110100101010101111011010111110110010001010
00100011001100101010110110001010010001010110111011011111101011100111001101111111
110100111011110100100111100111111101001100111111101100010001111000101110001011110
000110110111111011101011101001110000111000010101101111000110010110100110101110001
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001111101001111011100001000100001111000101110000100000100011111101101000010001101
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'11101101100100010111001111101111101110011111010100110011111001000010001110011010
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110101111011011010011101110101111101100110010000100010101000100101101101010111000
001011111001001100111100010010011111001011110011110110110101110010011110100011001
10001100001100000110000011111010100101111000000101011110100001111100001011111000
1000001001011101011010010101010011111001010111000110010010110001010101010011011
000101100000100011100111100111001110001101010101110100110100000011000010110000111
011010000000111110001011111010111100110000110110001001001101110100110011111011001
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01100000010001001010011000001',
'0001101010101010101000010010011000100001010101000010100010001110110011000100011
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001001111101011100100101101000010000100100011011110011101000100010111011001110111
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010010001001100100001010011111001010000010110110100111100011010000011011110101001
010011000101000001110000111101010101000110110011100010111101110101110110101011011
00000110000001010010101111011']
```

```

for rrr in range(4):
    key = l[rrr][0:32]
    R = ''
    tem = key
    i=0
    for i in range(32):
        output = '?' + key[:31]
        ans = int(tem[-1-i]) ^ int(output[-1]) ^ int(output[-4]) ^
int(output[-8]) ^ int(output[-11]) ^ int(output[-15]) ^ int(output[-20]) ^
int(output[-25]) ^ int(output[-28])
        R += str(ans)
        key = str(ans) + key[:31]
    R = str(hex(int(R[::-1],2))[2:])
    print(R)

```

得到 fbbbee82 3f434f91 93379078 80e4191a, 再按格式连起来就好

hgame{fbbbee82-3f43-4f91-9337-907880e4191a}

考点是LFSR, 正好mask最高位是1, 所以能这样写, 一位一位倒退, 不然我估计要用深搜广搜啥的。

原题好像是2018 CISCN 线上赛 oldstreamgame

ezRSA

```

from Crypto.Util.number import *

leak1=149127170073611271968182576751290331559018441805725310426095412837589227670
757540743929865853650399839102838431507200744724939659463200158012469676979987696
419050900842798225665861812331113632892438742724202916416060266581590169063867688
299288985734104127632232175657352697898383441323477450658179727728908669
leak2=116122992714670915381309916967490436489020001172880644167179915467021794892
927977272080596641785569119134259037522388335198043152206150259103485574558816424
740204736215551933482583941959994625356581201054534529395781744338631021423703171
146456663432955843598548122593308782245220792018716508538497402576709461
c=1052948186753252003425805677386407401702701957804186624540064784023025166165299
970971591962081093343719166118000329592327365567572958855889959252423562272881606
550191807612081223658034499114098099153234799125270528863301491347997061005684554
352359132417756706194892255227523548661551491393212543654399164260702868976269361
730524671649278311681307035551260697162664559496185056758634038970582131484209646
563188681228128984313225813180977379777704935878918221257060625250979083099426313
202009415364629679352297563219191246391989898834928228497291993276195260337973323
4575351624039162440021940592552768579639977713099971
#print(isPrime(leak1),isPrime(leak2))#True True
p=leak1
q=leak2
n=p*q
phi=(p-1)*(q-1)
e=0x10001
d=inverse(e,phi)
m=pow(c,d,n)
print(long_to_bytes(m))

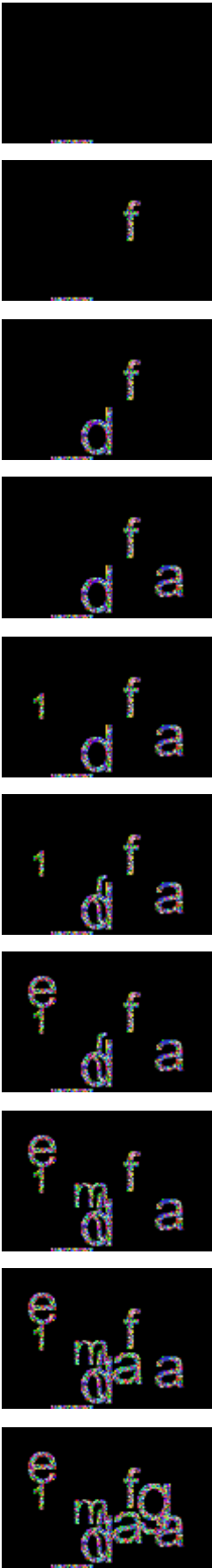
```

leak1, leak2正好是p, q

b'hgame{F3rmat_l1tt1e_the0rem_is_th3_bas1s}'

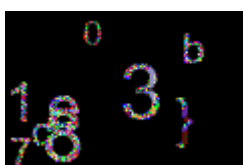
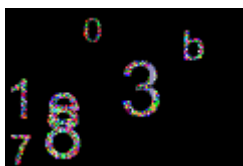
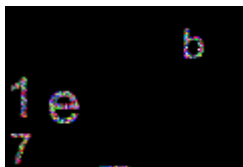
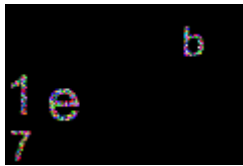
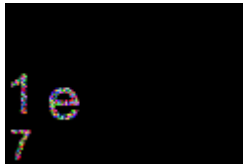
strange_image

抽张图片每个异或，分成两组



hgame{1adf_

第一个字母不会出现，但知道flag格式，问题不大



17eb_803c}

hgame{1adf_17eb_803c}

Misc

签到

嗯，签到

SignIn

hgame{WOW GREAT YOU SEE IT WONDERFUL}
换一种视角吧

ps拉了一下