CRYPTO 第一题

RSA Attack[已完成]

描述

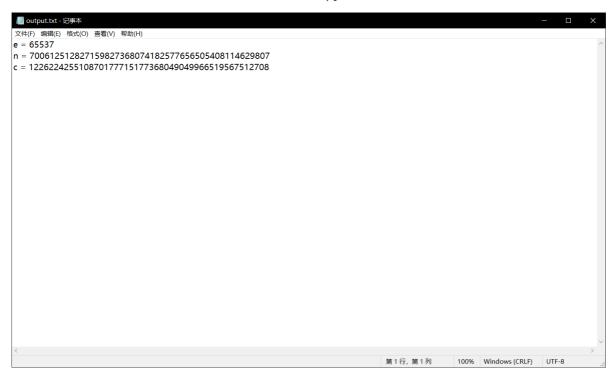
这就是传说中的暴力美学么

题目地址 https://cmfj-1308188104.cos.ap-shanghai.myqcloud.com/Week2/RSA%20Attack.zip

基准分数150当前分数150

完成人数 128

打开链接,是一个压缩包,解压后有一个outout.txt和一个py代码



```
from Crypto.Util.number import getPrime
from libnum import s2n

from secret import flag

m = s2n(flag)
e = 65537
p = getPrime(80)
q = getPrime(80)
n = p * q
c = pow(m, e, n)
print("e = ", e)
print("n = ", n)
print("c = ", c)
```

从代码中得知e,n,c三个数,求m,m即是flag,因为pq未知,先用yafu工具将n分解成两个因数



分解后结果如下

01/28/22 14:39:10 v1.34.5 @ DESKTOP-UNDL466, prp24 = 715800347513314032483037 01/28/22 14:39:10 v1.34.5 @ DESKTOP-UNDL466, prp24 = 978782023871716954857211

现在知道了p,q,e,c,然后再用脚本求出m即可

结果如下

b'hgame{SHorTesT!fLAg}'

CRYPTO 第二题

RSA Attack 2[已完成]

描述

RSA 加密算法可安全啦,一般人可破解不了呢

可惜,再安全的算法也架不住使用的人"蠢"啊

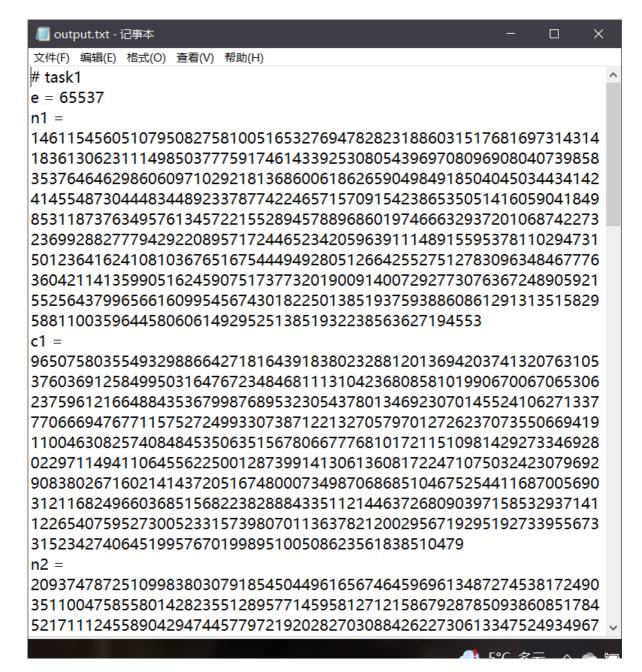
小伙子我看你骨骼惊奇,下面这些人错误的使用了 RSA

快用你的密码学知识给他一个大嘴巴子,让他们长点教训

题目地址 https://cmfj-1308188104.cos.ap-shanghai.myqcloud.com/Week2/RSA%20Attack%202.zip

基准分数 250 当前分数 250 完成人数 188

解压得2个文件



可以看出flag是由这三个字符串拼成的,分别解码即可

Web 第一题

webpack-engine[已完成]

描述

webpack packs the web.

(请使用 Chrome 浏览器打开)

题目地址 https://ngin.hgame.potat0.cc

基准分数 100 当前分数 100 完成人数 116

Webpack Engine

点击这个骚气的按钮

先试试看点击按钮(不过肯定是坑

点击启动炼金引擎

Webpack Engine

点击加载噩梦燃料

Webpack Engine

点击启动月球车

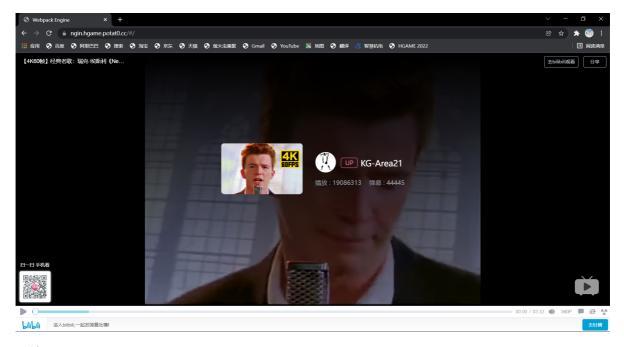
Webpack Engine

Webpack Engine

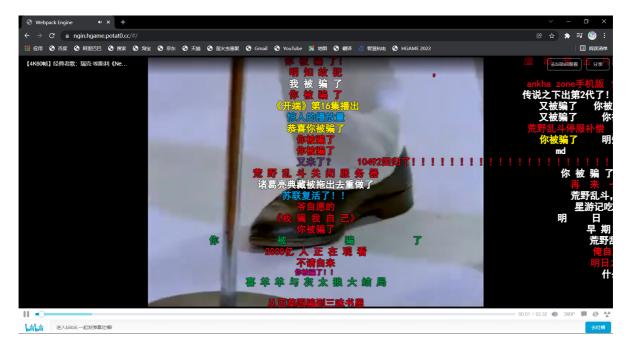
点击苏联解体

Webpack Engine

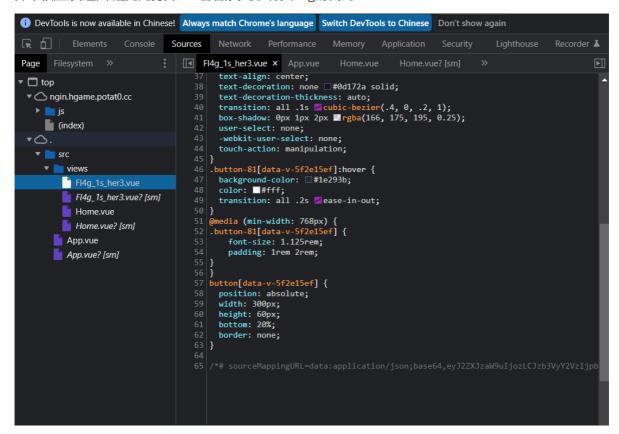
点击获取 flag



果然



弹幕很应景,返回链接,先打开F12看看,找到了有关flag的代码



右下方有提示base64,想到base64解码,然后把后面一长串字符串拿去解码,发现关键信息

gYm94LXNoYWRvdzogMHB4IDFweCAycHggcmdiYSgxNjYsIDE3NSwgMTk1LCAwLjI1KTtcbiAgdXN1ci1zZWx1Y3Q6IG5vbmU7XG4gIC13ZWJraXQtdXN1ci1zZWx1Y3Q6IG5vbmU7XG4gIHRvdWNoLWFjdG1vbjogbWFuaXB1bGF0aW9u01xufVxuXG4uYnV0dG9uLTgxOmhvdmVyIHtcbiAgYmFja2dyb3VuZC1jb
2xvcjogIzF1MjkzYjtcbiAgY29sb3I6ICNmZmY7XG4gIHRyYW5zaXRpb246IGFsbCAuMnMgZWFzZS1pbi1vdXQ7XG59XG5cbkBtZWRpYSAobWluLXdpZH
Ro0iA3NjhweCkge1xuICAuYnV0dG9uLTgxIHtcbiAgICBmb250LXNpemU6IDEuMTI1cmVt01xuICAgIHBhZGRpbmc6IDFyZW0gMnJ1bTtcbiAgfVxufVx
uXG5idXR0b24ge1xuICBwb3NpdG1vbjogYWJzb2x1dGU7XG4gIHdpZHRo0iAzMDBweDtcbiAgaGVpZ2h00iA2MHB401xuICBib3R0b206IDIwJTtcbiAg
Ym9yZGVy0iBub25101xufVxuPC9zdH1sZT5cbiJdLCJzb3VyY2VSb290IjoiIn0=

清空 加密 解密 □解密为UTF-8字节流

ACA, mCAAA; EACA, +BAAA; EACA, 8CAAA; EACA, iDAAA; EACA, iBAAA; EACA, yBAAA; EACA, VBAAA; EACA, WAAA; EACA,

 $\label{localization} $$ hidden; \n \cosed>\n.\ne {\n eight: 100\%; \n position: relative; \n display: flex; \n flex-localization} $$ hidden; \n \cosed>\n.\ne {\n eight: 100\%; \n position: relative; \n display: flex; \n flex-localization} $$ hidden; \n \cosed>\n.\ne {\n eight: 100\%; \n position: relative; \n display: flex; \n flex-localization} $$ hidden; \n \cosed>\n.\ne {\n eight: 100\%; \n position: relative; \n display: flex; \n flex-localization} $$ hidden; \n \cosed>\n \cosed$ n \cosed>\n \cosed>\n \cosedn \cosedn \cosed\n \cosedn \cosed\n \cosedn \cosed\n \cosed\n \cosed\n \cosedn \cosed\n \n \cosed\n \cosed\n \cosed\n \n \c

filiiililil4g: 'YUdkaGJXVjdSREJ1ZEY5bUlISTVaWFJmTWw5RGJF0XpNMT1UTUhWeVkyVmZiVUJ3Z1E9PQo='\n

direction: column:\n justify-content: center:\n align-items: center:\n}\n nlayer {\n width: 100%:\n height: 复制

return {\n

再把YUdkaGJXVjdSREJ1ZEY5bU1ISTVaWFJmTWw5RGJFOXpNMTlUTUhWeVkyVmZiVUJ3ZlE9PQo=拿 去解码

用年11月
YUdkaGJXVjdSREJ1ZEY5bU1ISTVaWFJmTWw5RGJF0XpNMT1UTUhWeVkyVmZiVUJ3Z1E9PQo=
清空 加密 解密 □解密为UTF-8字节流
aGdhbWV7RDBudF9mMHI5ZXRfM19DbE9zM19TMHVyY2VfbUBwfQ==
复制

再把aGdhbWV7RDBudF9mMHI5ZXRfMI9DbE9zM19TMHVyY2VfbUBwfQ==拿去解码

 $a GdhbWV7RDBudF9mMHI5ZXRfM19DbE9zM19TMHVyY2VfbUBwfQ \!\! = \!\! = \!\!$

清空 │加密 │解密 │ □解密为UTF-8字节流

 $hgame \{ \texttt{D0nt_f0r9et_2_C10s3_S0urce_m@p} \}$

复制

得到flag