

## 运行结果

```
sage: c = 412482079973710723630883700852439735510778695041476999618132433355695015420698005940640276732
....: 7725312238673053581148641438494212320157665395208337575556385
sage: p = 131079395635074597746162041412537474892320633362041739441232632845076043288856800724786690169
....: 6942836667381358004059204207134817952620014738665450753147857
sage: x = sqrt(Mod(c,p))
sage: if pow(x,2,p)==c:
....:     print(x)
....:
13040004482820526093820693618708125830699182230406913376202407698904962835203626640653836925
sage: x = str(hex(x)).replace("0x","")
sage: res = ""
sage: for i in range(0,len(x)/2):
....:     res+= chr(int(x[2*i:2*i+2],16))
....:
sage: res
'flag{9971e255f0c020e8e57fbae75f43d7fb}'
sage:
```

## SageMath程序代码

运行环境 -> SageMath 9.3 Console

```
c=412482079973710723630883700852439735510778695041476999618132433355695015420698
0059406402767327725312238673053581148641438494212320157665395208337575556385
p=131079395635074597746162041412537474892320633362041739441232632845076043288856
8007247866901696942836667381358004059204207134817952620014738665450753147857
x = sqrt(Mod(c,p))
if pow(x,2,p)==c:
    print(x)
x = str(hex(x)).replace("0x","")
res = ""
for i in range(0,len(x)/2):
    res+= chr(int(x[2*i:2*i+2],16))
res
```