

一道学多的题目

有被搞到

首先是平坦化控制流（看图有很多while循环嵌套）

用网上找到脚本进行去平坦化

然后再用网上找脚本处理虚假控制流程

[https://blog.csdn.net/liuxiaohuai\\_/article/details/114369681](https://blog.csdn.net/liuxiaohuai_/article/details/114369681)

然后就可以判断是crc32加密

```
from idc_bc695 import *

addr = 0x402170
check = []
flag = []
key = 0xB0004B7679FA26B3
for i in range(6):
    check.append(Qword(addr+8*i))

for i in range(6):
    s = check[i]
    for j in range(64):
        sign = s&1
        if sign==1:
            s ^= key
        s = s>>1
        if sign ==1:
            s |= 0x8000000000000000
    for j in range(8):
        flag.append(s&0xff)
        s = s>>8
print(bytes(flag))
```