华山杯 writeup

队伍名: Nu1L

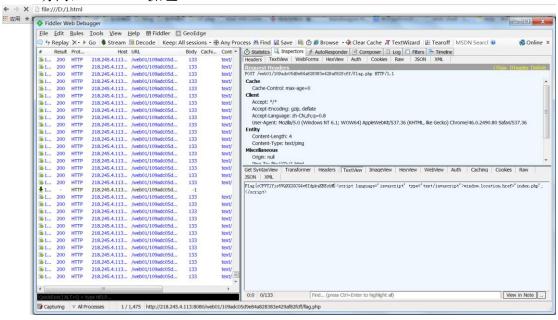
Web 题目:

Web1 怎么在 Web 上 Ping 呢

进去发现 flag. php,访问不到直接抓包访问,之后发现在 flag. php 中存在提示 key: DDoS。。。研究一下午不懂,后来在 freebuf 找到一篇文章 http://www.freebuf.com/articles/network/74173.html

构造

html 访问, fiddler 抓包



Flag: cCFVY1Yjs5VQ9X2GCG4v6IdpkaKBEsbM

Web2 社工库查询

QQ号社工查询

据说可以查到西瓜大神的信息哦~

放西瓜大神好吗。。。。。。天真的以为真的是社工QQ。

Burp 爆破到 10000, 发现出来了提示:

QQ号社工查询

 $flag\{i\}$ is $\{n\}$ not $\{t\}$ here $\{v\}$ you $\{a\}$ guess $\{1\}$ again!

Intavl, 取整函数, 尝试输入 10000.1 就可以得到 flag:

QQ号社工查询

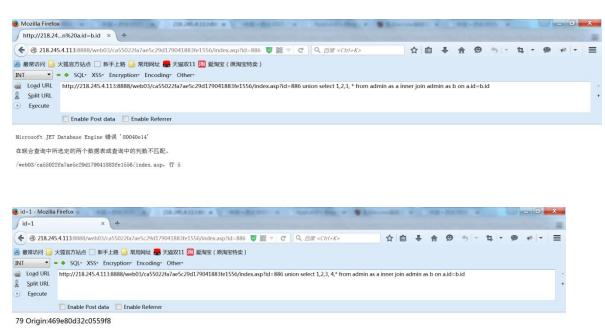
Flag{psq6BvdveCvrdpxKq8if9B2XSI0Gzbii}

Web3access 注入。

一开始以为是 sqlmap 能爆破出来。。。然而太天真了。。一开始就是猜猜猜没思路,突然发现 access 注入有一种偏移注入,然后就秒破。。真的好简单 - -怪不得大牛都秒了。

找到一篇文章, http://www.2cto.com/Article/201212/179284.html, 然后就猜字段数吧:

http://218.245.4.113:8888/web03/ca55022fa7ae5c29d179041883fe1556/ind ex.asp?id=886 union select 1, 2, 3, 4,* from admin as a inner join admin as b on a.id=b.id



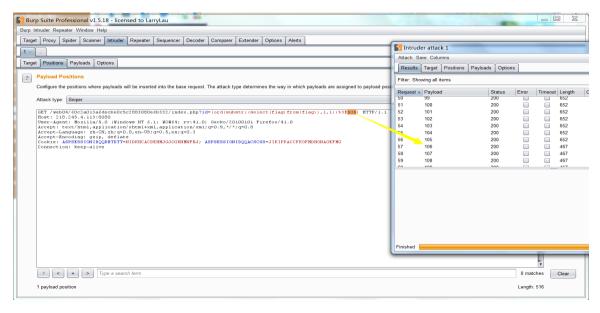
Md5 解下: 469e80d32c0559f8, 发现时 admin888。直接提交通过

Flag: 469e80d32c0559f8

Web4 有 WAF 该怎么注入呢

白天注入的时候各种绕不过去。。。后来想到 xd 比赛的那个函数 lpad 发现可以执行。。。但是不知道暴啥。。。晚上的时候发现什么都没过滤。。。于是翻了翻以前 nsctf 的 writeup,找到了一个盲注语句。。。然后就是brupsuite 爆破了。。想写本来以为 flag 没几位。。最后发现好长啊。。。。

先爆表名发现是 flag 表,之后爆字段。。发现是 flag。。。所以直接 (ord(substr((select(flag)from(flag)),i,1))>j) ········手动爆表 20 分钟得到完全没有意义的字符串



所以 flag 第一位是 chr (106)

Flag: jkschvkjasmznxvkjahsdasdxzcqwe

Web5 XSS??? XSS!!!

第一节 xss 挑战赛的原题啊。。。http://drops.wooyun.org/papers/894

"onblur=outerHTML=URL//#<img/src=1 onerror=alert(1)>

尝试提交不行, 找了个不可见字符, 改成

"OnbLur=outerHTML=URL%Ob#<img/src=1 onerror=alert(1)>

弹窗成功, win7+ie8



Web6 Python-Web:

题目很纠结,测试发现是 django 的 debug 模式。。。。

尝试在 rest 下用 obj 构建链接,然后就可以了,开始我们引入的 model 是 exec 后来发现不存在,于是尝试引入同样可以执行 os 命令的 eval,利用 http://www.freebuf.com/articles/web/73658.html 上的讲解去执行 python 命令,发现 os. system 竟然不能用,不能写入文件。。。于是 help 了 os

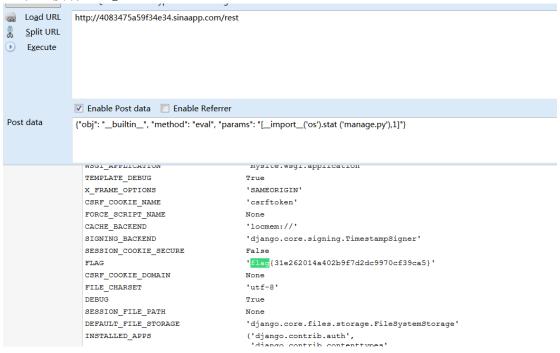
```
listdir(...)
    listdir(path) -> list_of_strings

Return a list containing the names of the entries in the directory.

    path: path of directory to list

The list is in arbitrary order. It does not include the special entries '.' and '..' even if they are present in the directory.
```

息中直接有 flag。



Flag: 31e262014a402b9f7d2dc9970cf39ca5

网络取证

网络取证1流量分析1

因为有的时候对于 ping 的检验很少,所以筛选出 icmp, 查看 request 即可发现每一个流量包有一个字符。

```
117.23.51.69 ICMP 74 Echo (ping) reques

74 Echo (ping) reques

74 Echo (ping) reply

5), 74 bytes captured (592 bits)

(b8:88:e3:9f:fd:91), Dst: Hangzhou_1a:06:7c (00:23:89)

22.25.140.37 (222.25.140.37), Dst: 117.23.51.69 (117.23)
```



```
5 00 .#...|...E
5 17 .<2,......bu.
5 66 3E..5I....lbcdef
5 76 ghijklmn opqrstuv
wabcdefg hi
```



然后得到 flag: S\$curIty_I_LOV3_H@cK

将下载下来的压缩包打开发现是个 dmp 文件,用 windbg 打开,通过 lm 和.writemem 指令将 winmine.exe dump 出来,通过与不同系统版本的扫雷比较发现与 xp 系统下的 扫雷比较相似,经过比较发现在文件偏移 4A70 处有一段异或解密的 shellcode,将这段 shellcode 所用到的数据提取出来写个脚本即可得到 flag

```
脚本:
#! /usr/bin/env python
#coding=utf-8
import sys, time, os
kev1 = 0x29b
kev2 = 0x1e
kev3 = 0x18
key4 = 0x259
1 = \Gamma
      0x4C, 0x05, 0x46, 0x05, 0x4B, 0x05, 0x4D, 0x05, 0x51, 0x05,
0x19, 0x05, 0x1D, 0x05, 0x4C, 0x05,
      0x19, 0x05, 0x4B, 0x05, 0x4F, 0x05, 0x1A, 0x05, 0x48, 0x05,
0x1B, 0x05, 0x48, 0x05, 0x1F, 0x05,
      0x1C, 0x05, 0x49, 0x05, 0x19, 0x05, 0x1F, 0x05, 0x12, 0x05,
0x1F, 0x05, 0x1C, 0x05, 0x1C, 0x05,
      0x4C, 0x05, 0x49, 0x05, 0x1B, 0x05, 0x49, 0x05, 0x48, 0x05,
0x4E, 0x05, 0x1D, 0x05, 0x12, 0x05,
      0x4C, 0x05, 0x4E, 0x05, 0x1C, 0x05, 0x1A, 0x05, 0x13, 0x05,
0x57, 0x05, 0x2A, 0x05, 0x2A, 0x05
#print hex(key1 ^ key2 ^ key3 ^ key4)
key = key1 + key2 + key3 + key4
i = 0
while i < 80:
    l[i] ^= (key&0xFF)
    l[i+1] ^= (key>>8)
print ''.join(map(chr,1)[::2])
```

结果:

网络取证3 流量分析2

```
No. Time Source Destination Protocol Length Info

221 14.077496 222.25.140.37 222.25.140.118 FTP 60 Request: FEAT

222 14.079194 222.25.140.118 222.25.140.37 FTP 328 Response: 211-Extensions supported:

223 14.07944 222.25.140.118 222.25.140.37 FTP 328 Response: 211-Extensions supported:

224 14.080628 222.25.140.118 222.25.140.37 FTP 69 Response: 200 Noted OK.

227 14.084001 222.25.140.118 222.25.140.37 FTP 69 Response: 257 "/* is current directory.

228 14.085018 222.25.140.118 222.25.140.37 FTP 85 Response: 257 "/* is current directory.

229 32 32.606997 222.25.140.118 222.25.140.37 FTP 77 Response: 200 Noted OK.

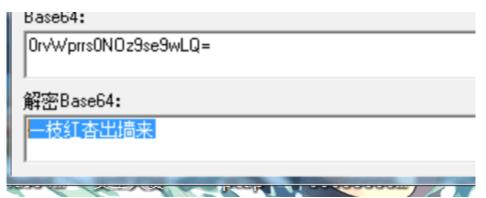
220 32 23.646535 222.25.140.118 222.25.140.37 FTP 78 Response: 200 Note State State
```

发现压缩包。然后将压缩包扣出来,发现需要密码。

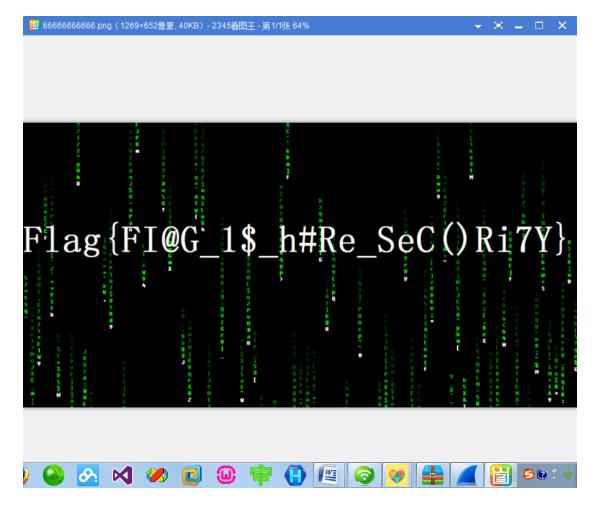
79 Response: 220 http://www.aq817.cn
66 Request: USER admin
88 Response: 331 Password required for admin.
72 Request: PASS 2015@SEC@#\$
81 Response: 230 User admin logged in.
60 Request: SYST
98 Response: 215 UNIX Type: L8 Internet Component Suit

然而这并不是密码。。。。。。。

然后发现 pass. txt, 0rvWprrs0N0z9se9wLQ=, 在线解密发现是乱码。。。。。坑了好久, 突然想起了小葵, 然后试了下。果真==



解密后发现一个少了 png 头的文件,补全后得到 flag 照片:



网络取证 4 Hack-Team

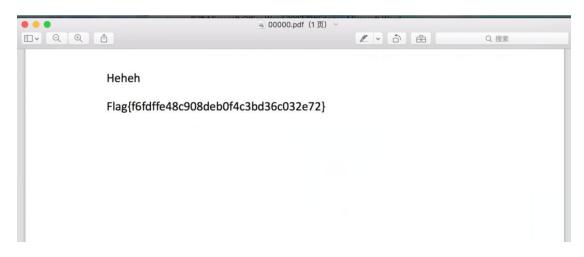
不想说什么了。。坑。。。。



挂载下镜像,然后提示梅花香自苦寒。。。。。默默想起强网杯,然后看了下辉哥的 writeup——http://appleu0.sinaapp.com/?p=540,发现密码就是meihuaxiangzikuhanlai。。。

分理出一个 pdf, 一个 word。

然后试了好久都是说文件损坏,然而放到 mac 后。。。瞬间没爱了==



Flag {f6fdffe48c908deb0f4c3bd36c032e72}

密码&算法

密码算法分析

100 分的题目这么坑。。坑的我都要哭了。。。昨晚上从凌晨 2 点 50 到 5 点,。白天一上午。。。直接废了。

原理不难,其实就是一个映射,只是映射很繁琐。首先解三次 base64 和一次莫斯,在解出培根密码,得到秘钥 HTBXPZIQWVURJSDMOKYAENCLFG。之后统计出密文字符出现次数,[('0', 26), ('B', 25), ('G', 24), ('C', 23), ('T', 22), ('L', 21), ('X', 20), ('Z', 19), ('R', 18), ('W', 17), ('Q', 16), ('Y', 15), ('A', 14), ('I', 13), ('F', 12), ('J', 11), ('E', 10), ('N', 9), ('D', 8), ('S', 7), ('M', 6), ('V', 5), ('U', 4), ('K', 3), ('P', 2), ('H', 1)]

OBGCTLXZRWQYAIFJENDSMVUKPH 密文

ETAONRISHDLFCMUGYPWBVKJXQZ 明文

HTBXPZIQWVURJSDMOKYAENCLFG 秘钥

然后发现明文密文秘钥都是26个字母各出现一次。如下:

OBGCTLXZRWQYAIFJENDSMVUKPH 密文

ETAONRISHDLFCMUGYPWBVKJXQZ 明文

HTBXPZIQWVURJSDMOKYAENCLFG 秘钥

ABCDEFGHI JKLMNOPQRSTUVWXYZ 字母表

之后把明文按照 A->Z 的顺序排序,对应密文之后得到

OBGCTLXZRWQYAIFJENDSMVUKPH 密文

ABCDEFGHIJKLMNOPQRSTUVWXYZ 明文

GSAWOYJRXUVQITCNPLZBFMDKEH 密文排序

HTBXPZIQWVUR,JSDMOKYAENCLFG 秘钥

ABCDEFGHIJKLMNOPQRSTUVWXYZ 字母表

对应出如下规律:

GSAWOYJRXUVQITCNPLZBFMDKEH 密文排序

HTBXPZIQWVURJSDMOKYAENCLFG 秘钥

hex(秘钥字母-'A')%2=0, 秘钥转密文是+1

hex(秘钥字母- 'A')%2=1, 秘钥转密文是-1

之后就得到了26个映射关系。。。同样的方式。一比一对应密文,得到flag

LCHIKCDDQOYXEGGQ 密文

DONTWORRYBEHAPPY 明文

FPUKZEBWOSTVMGDHICQJNYLXRA 秘钥

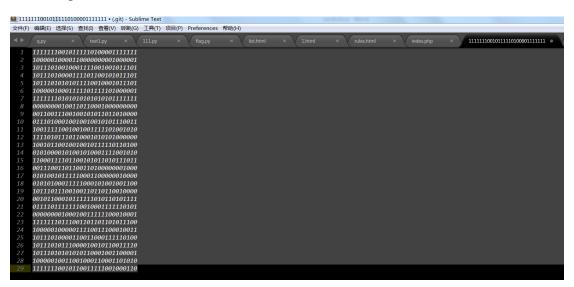
ABCDEFGHI JKLMNOPQRSTUVWXYZ 字母表

所以 flag: DONTWORRYBEHAPPY



我第一个发现图片有问题的。。。为啥不给我加分

Flag: X1@07Zu1Shu@1



附脚本:

#!/usr/bin/env python

import Image

MAX = 29

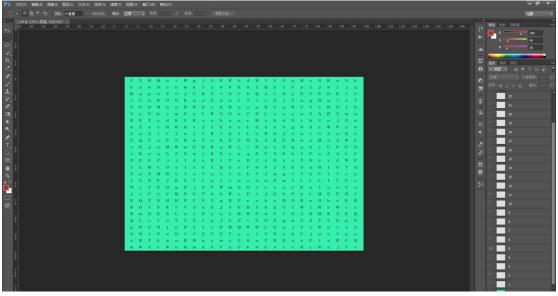
pic = Image.new("RGB", (MAX, MAX))

str =

```
11111001000110"
i = 0
for y in range (0, MAX):
 for x in range (0, MAX):
  if(str[i] = '1'):
    pic.putpixel([x, y], (0, 0, 0))
    pic. putpixel([x, y], (255, 255, 255))
  i = i+1
pic.show()
pic. save ("flag. png")
```

图片隐写2

打开发现一张大白(\bullet — \bullet),然后进去 binwalk 跑一下发现另一张图片,手动抠出来发现另一个大白(\bullet — \bullet),然后发现是 tiff 的。重命名后纠结一下想到 tiff 隐藏图层,本地 photoshop 打开之。。。发现 26 个隐藏图层。。每个图层有 26*26 个英文字母。。。想到大白激活口令。。。统计一下,65 个逗号 66 个数字。。。



据此推测是三个一组,所以 flag 应该是 22 组,之后就是组合问题了。。。 下午的时候尝试了几个没找到方法。。。晚上继续做。。。尝试所有之后找到 了 flag, 每三个一组, 第一组 19*9*10 代表 10 层第 19 列 9 行。。完全是倒序。慢慢找, 找到了

flag: FlAgIsSlYeCaOWeLCoMYOu

魔塔 AI 编写

这是道算法题...

刚开始理解错了,以为一次只能发一条指令呢...

脚本核心部分使用了 BFS 算法。

```
import socket, sys, os, time, struct
__author__ = 'Marche147'
# connect to
TARGET = '127.0.0.1'
PORT = 22031
BUFSIZE = 99999
def logtofile(buf):
   global log
   log.write(buf)
   log.write('\n-----
----\n')
   return
class Character:
   def _init_(self, type, hp = 0, atk = 0, de = 0):
       if type == 'a':
           self.HP = 1000
           self.ATK = 80
           self.DEF = 60
       elif type == 'b':
           self.HP = 100
           self.ATK = 200
           self.DEF = 100
       elif type == 'c':
           self.HP = 1000
           self.ATK = 300
           self.DEF = 150
       elif type == 'd':
           self.HP = 3000
           self.ATK = 300
           self.DEF = 250
       else:
           self.HP = hp
           self.ATK = atk
           self.DEF = de
```

```
return
    def battle(self, player):
        if player.ATK <= self.DEF:</pre>
            return 0
        if self.ATK <= player.DEF and self.DEF <= player.ATK:</pre>
            return 1
        turn = 0
        while player.HP > 0 or self.HP > 0:
            if not turn:
                self.HP -= (player.ATK - self.DEF)
            else:
                player.HP -= (self.ATK - player.DEF)
            if turn == 0:
                turn = 1
            else:
                turn = 0
        if player.HP < 0:</pre>
            return 0
        return 1
class GameHelper:
    def __init__(self):
        self.LV = 0
        self.PLAYER = Character('P',1000,10,10)
        self.MAP = []
        self.VISIT = []
        self.THINGS = []
        self.CUR POS = (1,1)
        self.MAXX = 0
        self.MAXY = 0
        return
    def getmap(self):
        global s
        self.MAP = []
        self.VISIT = []
        self.THINGS = []
        buf = s.recv(BUFSIZE)
        print buf
        lines = buf.split('\n')
        i = y = 0
        for line in lines:
            if not line:
                            # skip
                continue
            self.MAP.append([])
            self.VISIT.append([])
            y = 0
            for c in line:
                if c == '|':
                     self.MAXY = y + 1
                    break
                if c != '.' and c!= '#':
                     self.THINGS.append({'thing':c,'pos':(i,y)})
                 if c == 'X':
                     self.CUR POS = (i,y)
                 self.MAP[i].append(c)
                self.VISIT[i].append(0)
                y += 1
            i += 1
        self.MAXX = i
        print (self.MAXX,self.MAXY), self.CUR POS
        # get status
```

```
self.PLAYER.ATK = int(lines[6][31:37])
        self.PLAYER.DEF = int(lines[8][31:37])
        self.PLAYER.HP = int(lines[10][30:37])
        print self.PLAYER.ATK, self.PLAYER.DEF, self.PLAYER.HP
        return
    def get things(self):
        print self.THINGS
        return self.THINGS
    def try return(self):
        global s
        pos = self.CUR POS
        dirs = [(1,0),(-1,0),(0,1),(0,-1)]
        sendbuf = ['j','k','l','h']
        sendbuf2 = ['k', 'j', 'h', 'l']
        for i in range(4):
            new x = pos[0] + dirs[i][0]
            new y = pos[1] + dirs[i][1]
            if self.MAP[new x][new y] != '#' and new x > 0 and
new y > 0 and new x < self.MAXX and new y < self.MAXY:
                s.send(sendbuf[i])
                logtofile(s.recv(BUFSIZE))
                s.send(sendbuf2[i])
                self.getmap()
                return 1
        return 0
    def gotopos(self, pos):
        q = []
        q.append({'pos':self.CUR POS, 'prev':0})
        for i in range(len(self.VISIT)):
            for j in range(len(self.VISIT[i])):
                self.VISIT[i][j] = 0
        self.VISIT[self.CUR POS[0]][self.CUR POS[1]] = 1
        dirs = [(1,0),(-1,0),(0,1),(0,-1)]
        while q:
            first = q.pop(0)
            for dir in dirs:
                new x = first['pos'][0] + dir[0]
                new y = first['pos'][1] + dir[1]
                if self.MAP[new_x][new_y] != '#' and new x > 0 and
new y > 0 and new x < self.MAXX and new y < self.MAXY and not
self.VISIT[new x][new y]:
                    if new x == pos[0] and new_y == pos[1]:
                         # trace back and send
                        cmdstr = ''
                        dx = new x - first['pos'][0]
                        dy = new y - first['pos'][1]
                        if dx == -1 and dy == 0:
                             cmdstr = 'k' + cmdstr
                        elif dx == 0 and dy == -1:
                            cmdstr = 'h' + cmdstr
                        elif dx == 1 and dy == 0:
                            cmdstr = 'j' + cmdstr
                        elif dx == 0 and dy == 1:
                            cmdstr = 'l' + cmdstr
                        while isinstance(first['prev'],dict):
                            dx = first['pos'][0] -
first['prev']['pos'][0]
                            dy = first['pos'][1] -
first['prev']['pos'][1]
                             if dx == -1 and dy == 0:
                                 cmdstr = 'k' + cmdstr
```

```
elif dx == 0 and dy == -1:
                                 cmdstr = 'h' + cmdstr
                             elif dx == 1 and dy == 0:
                                 cmdstr = 'j' + cmdstr
                             elif dx == 0 and dy == 1:
                                 cmdstr = 'l' + cmdstr
                             first = first['prev']
                         print cmdstr
                         self.docmd(cmdstr)
                         return 1
                     if self.MAP[new x][new y] == '/' or
self.MAP[new x][new y] == '\\': \# stairs
                         continue
                    q.append({'pos':(new x,new y),'prev':first})
                     self.VISIT[new x][new_y] = 1
        print 'No way we can reach there!'
        return 0
    def docmd(self, cmdstring):
        global s
        for i in range(len(cmdstring)):
            s.send(cmdstring[i])
            if i == len(cmdstring) - 1:
                self.getmap()
            else:
                logtofile(s.recv(BUFSIZE)) # no need to get this
        s.send(cmdstring)
        self.getmap()
        return
    def go down(self):
        global s
        s.send('j')
        self.getmap()
    def go up(self):
        global s
        s.send('k')
        self.getmap()
    def go right(self):
        global s
        s.send('1')
        self.getmap()
    def go left(self):
        global s
        s.send('h')
        self.getmap()
log = open('log.txt','w')
game = GameHelper()
s =
socket.socket(socket.AF INET,socket.SOCK STREAM,socket.IPPROTO TCP)
s.connect((TARGET, PORT))
game.getmap()
notgot = 0
movedon = 0
canwin = 0
movedup = 0
while (1):
    moved = 0
    things = game.get_things()
```

```
A = D = P = []
    Goal = Downstair = Upstair = (0,0)
    if game.PLAYER.HP >= 10000:
        print 'NOW YOU CAN BEAT THE GAME!'
        canwin = 1
    for c in things:
        if c['thing'] == 'A':
            A.append(c['pos'])
        elif c['thing'] == 'D':
            D.append(c['pos'])
        elif c['thing'] == 'P':
            P.append(c['pos'])
        elif c['thing'] == '/':
            Upstair = c['pos']
        elif c['thing'] == '\\':
            Downstair = c['pos']
        elif c['thing'] == 'Y':
            Goal = c['pos']
    if canwin and Goal != (0,0):
        game.gotopos(Goal)
        print s.recv(BUFSIZE)
    if len(A) and not moved:
        \#if raw_input('go downstair to search for A or D?(y/n)') ==
'y':
             if game.try return():
                moved = 1
        if game.gotopos(A[0]) and not moved:
            moved = 1
        else:
            notgot = 1
    elif len(D) and not moved:
        #if raw input('go downstair to search for A or D?(y/n)') ==
'y':
             if game.try_return():
                 moved = 1
        if game.gotopos(D[0]) and not moved:
            moved = 1
        else:
            notgot = 1
    elif len(P) and not moved:
        #if raw input('go downstair to search for A or D?(y/n)') ==
'y':
             if game.try_return():
                moved = 1
        if game.gotopos(P[0]) and not moved:
            moved = 1
        else:
            notgot = 1
    \#elif len(A)+len(D)+len(P) == 0 and not moved:
         if game.gotopos(Upstair):
             moved = 1
   print Downstair, Upstair
    if not moved:
        if (notgot and movedon) or canwin: #or (raw input('go
downstair?(y/n)') == 'y' and Downstair != (0,0):
            notgot = movedon = 0
            if Downstair == (0,0):
                game.try_return()
            else:
                if game.gotopos(Downstair) == 0:
                    game.gotopos(Upstair)
```

```
elif len(A)+len(D)+len(P) == 0 or notgot or movedup:# and
raw input('go upstairs?(y/n)') == 'y':
            movedup = 0
            if notgot:
                movedon = 1
            if Upstair == (0,0):
                game.try_return()
            else:
                if game.gotopos(Upstair) == 0:
                     game.gotopos (Downstair)
        elif raw input('goto specified pos?(y/n)') == 'y':
            x,y = map(int,raw input('input pos x,y:').split(','))
            game.gotopos((x,y))
        else:
            b = raw_input('chose a position (wsad)')
            if b == 'w':
                game.go_up();
            elif b == 's':
                game.go down();
            elif b == 'a':
                game.go left();
            elif b == '\overline{d}':
                game.go right()
s.close()
```

最终结果:

逆向破解

逆向破解1

```
.text:00401728
                                          [ebp-1Ch], esp
                                  mov
.text:0040172B
                                          offset aR05wteV6r7ozfa ; "R05WTE+v6r7ozfa4zsWjZ2RnZA=="
                                  push
                                          ??OCString@@QAE@PBD@Z ; CString::CString(char const *)
.text:00401730
                     1
                                  call
.text:00401735
                                  bush
                                          edi
                                          sub_4011D0
.text:00401736
                                 call
                                          esp, OCh
ecx, [ebp-18h]
.text:0040173B
                                  add
.text:0040173E
                                  lea.
.text:00401741
                                  push
                                          ecx
                                          sub 401580
.text:00401742
                                  call.
                                          eax, [eax]
ecx, [esi+64h]
.text:00401747
                                  mov
.text:00401749
                                  mov
.text:0040174C
                                  oush
                                          eax
.text:0040174D
                                 push
                                          ecx
.text:0040174E
                                  call
                                          ds: mbscmp
.text:00401754
                                          esp, 10h
                                  add
                                          ecx, [ebp-18h]
.text:00401757
                                  lea.
.text:0040175A
                                  test
                                          eax, eax
.text:0040175C
                                          h1
                                  setz
.text:0040175F
                                          ??1CString@@QAE@XZ ; CString::~CString(void)
                                 call.
.text:00401764
                                          bl, bl
loc_401811
                                 test
.text:00401766
                                  jΖ
```

Ida 中从定位到那几个 base64 加密的字符串后,看到下面有个 cmp 函数,于是在 0x401735 下断点,内存中出现如下字符串

0040172B . 68 DC304000 push mfcEncry.004030DC ASCII "HOWMP 半块西瓜皮 hehe"

输入得到结果,如下图



Flag: 06d2ba96e3d4c203b29def25f2710d42

逆向破解3

```
大概是推箱子游戏的变种,挺好玩的,玩了10分钟过去了
规则,把8个箱子推至各个出口(边界上的0)即胜利。
推一个箱子只能推出去或者推到非0的地方,每一步的走法如下
      1,
            0,
                  1,
                                    0,
                                          1,
                                                1
1,
                        1,
                              1,
1,
      0,
            0,
                  0,
                        0,
                              0,
                                    0,
                                          0,
                                                1
1.
      0,
                                                1
            0.
                  0.
                        0.
                              12.
                                    22,
                                          0.
1,
      32,
                        0,
                              42,
                                          0,
                                                1
            0,
                  0,
                                    0,
0.
                                                0
      0,
            0,
                  0,
                        0.
                              0,
                                    0.
                                          0.
1,
      0,
            0,
                  52,
                        0,
                              0,
                                    0,
                                          0,
                                                1
0,
                                    62,
                                                0
      0,
            0,
                  0,
                        0,
                              0,
                                          0,
1,
      72,
            0,
                  0,
                        82,
                              0,
                                    0,
                                          0,
                                                1
1,
      1,
            0,
                  1,
                        1,
                              1,
                                    1,
                                          0,
                                                1
8184
1,
      1,
                              1.
                                          1,
                                                1
            0,
                  1,
                        1,
                                    0.
1,
      0,
            0,
                  0,
                        0,
                              0,
                                          0,
                                                1
                                    0,
1,
      0,
            0,
                  0,
                        0,
                              12,
                                    22,
                                          0,
                                                1
                              42,
                                                1
1,
      32,
            0,
                  0.
                        0.
                                    0,
                                          0,
```

| 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
|---------------------|-----|----|-----|----|------------|-----|-----|---|--|
| 1, | 0, | 0, | 52, | 0, | 0, | 0, | 0, | 1 | |
| 0, | 0, | 0, | 0, | 0, | 0, | 62, | 0, | 0 | |
| 1, | 72, | 0, | 0, | 0, | 0, | 0, | | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| 6462 | | | | | | | | | |
| 1, | 1, | 0, | 1, | 1, | 1, | 0, | 1, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | | 0, | 4 | |
| 1, | 0, | 0, | | 0, | 12, | 22, | 0, | 1 | |
| 1, | 32, | 0, | 0, | _ | 42, | 0, | | 1 | |
| 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
| 1, | 0, | 0, | 52, | 0, | 0, | 0, | 0, | 1 | |
| 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
| o, 1, | 72, | 0, | 0, | 0, | 0, | 0, | 62, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| -, | -, | τ, | τ, | τ, | - , | τ, | ۷, | • | |
| 4143 | | | | | | | | | |
| 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 12, | 22, | 0, | 1 | |
| 1, | 32, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
| 1, | 0, | 0, | 52, | 0, | 0, | 0, | 0, | 1 | |
| 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
| 1, | 72, | 0, | 0, | 0, | 0, | 0, | 62, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| | | | | | | | | | |
| 23 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| 1, | 1, | 1, | 1, | 1, | | 1, | | 1 | |
| 1, | 0, | | 0, | ٠, | 0, | | - / | | |
| 1, | 0, | | | | | | 0, | | |
| 1, | 32, | 0, | 0, | | | | 0, | | |
| 0, | 0, | 0, | 0, | | 0, | 0, | 0, | = | |
| 1, | 0, | | | 0, | | | 0, | 1 | |
| 0, | 0, | | 0, | 0, | | | -, | | |
| 1, | 72, | 0, | 0, | 0, | 0, | 0, | 62, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| 51347 | 73 | | | | | | | | |
| 5154 <i>1</i> 1, | 4 | 1, | 1, | 1, | 1, | 1, | 1, | 1 | |
| 1, 1, | 0, | 0, | | | 0, | | 0, | 1 | |
| 1, 1, | 0, | 0, | 0, | 0, | 12, | | 0, | 1 | |
| | | | | | | | | | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |

| 0, | 32, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
|------------|-------------|----------|---------|---------|-----|----------|-----|---|
| L , | 52, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
|), | 72, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
| , | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 |
| , | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 |
| | • | | • | • | • | | • | |
| 171 | | | | | | | | |
| Ι, | 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1 |
| ĺ, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| , | 0, | 0, | 0, | 0, | 12, | 0, | 0, | 1 |
| ., | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| ., | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
| • | 52 , | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| ., | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
| L, L, | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 |
| | 0, 1, | 0, 1, | | | | | | 1 |
| l , | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 |
| 252 | | | | | | | | |
| 1202 1, | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ι, Ι, | 1, | 1, 0 | 1, 0 | 1, 0 | 1, | 1, 0, | 1, | 1 |
| | 0, | 0, | 0, | 0, | 0, | | 0, | |
| l, | 0, | 0, | 0, | 0, | 0, | 0, | 12, | |
| l, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | |
| , | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
| l, | 0, | 0, | 0, | 0, | 0, | 0, | 52, | 1 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 |
| 1.4 | | | | | | | | |
| 14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1, | 1, | 1, | 1, | 1, | | | | 1 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | |
| 1, | 0, | 0, | 0, | 0, | | | 0, | _ |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 12, | 0 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 52, | 1 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 |
| | | | | | | | | |
| 12 | | | | | | | | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| -, 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 |
| -, | ٠, | ~, | ٧, | ~, | ~, | ~, | ~, | |

| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
|--------------|---------|------------------|--------|---------|---------|--------------|-----|---|--|
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 52, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 0 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| | | | | | | | | | |
| 54 | | | | | | | | | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 52, | 0 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 62, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 0, | 1 | |
| | | | | | | | | | |
| 526 4 | Į. | | | | | | | | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 0, | 0, | 0, | 0, | 0, | 0, | 0, | 1 | |
| 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1, | 1 | |
| | | | | | | | | | |
| 8184 | 1646241 | L 43235 1 | 134733 | 1711252 | 2141254 | 15264 | | | |
| 1 | | | | | | | | | |