【软件名称】：DaNiEl-RJ.1.exe

【软件大小】：216KB

【下载地址】：https://github.com/TonyChen56/160-Crackme

【加壳方式】：无壳

【保护方式】：Name/Serial

【编译语言】：Delphi

【调试环境】：W10 64

【使用工具】: OD+IDA+Darkde

【破解日期】：2019-05-04

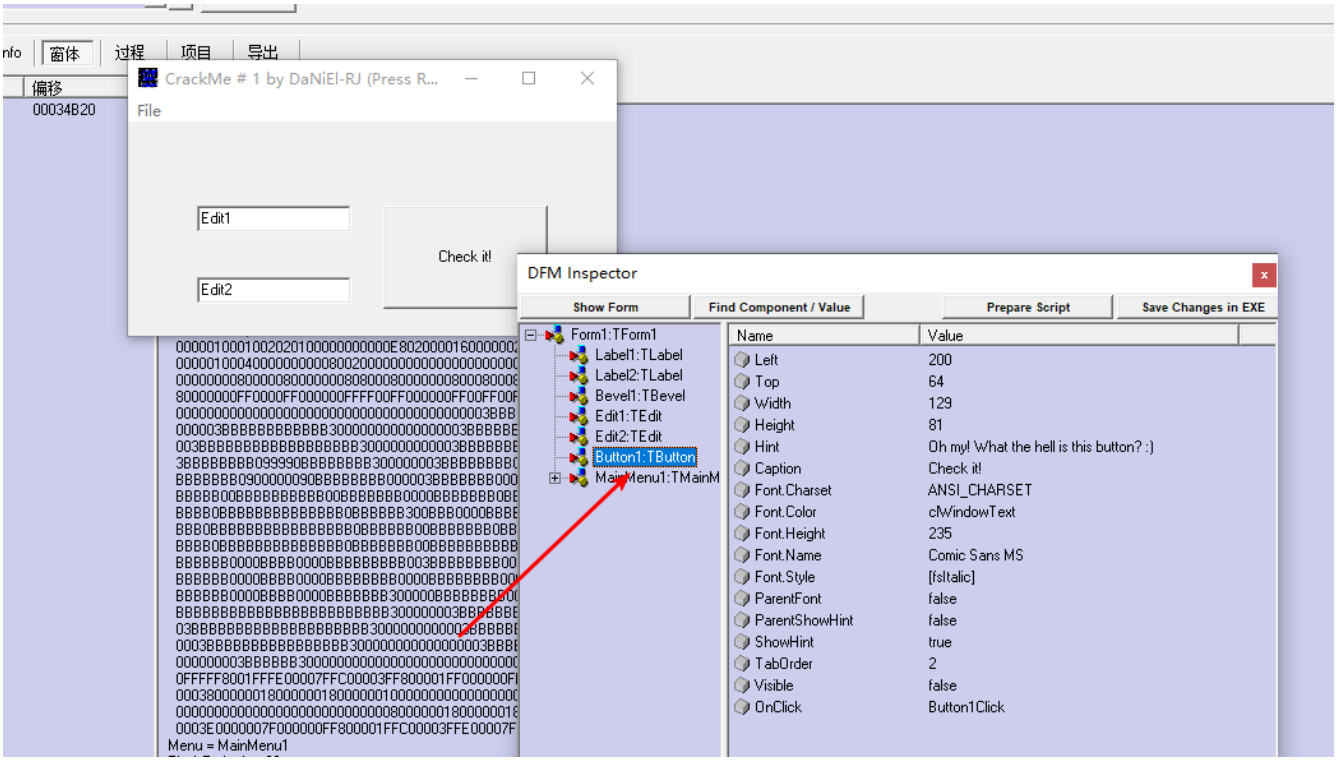
【破解目的】：纯属兴趣

分析程序

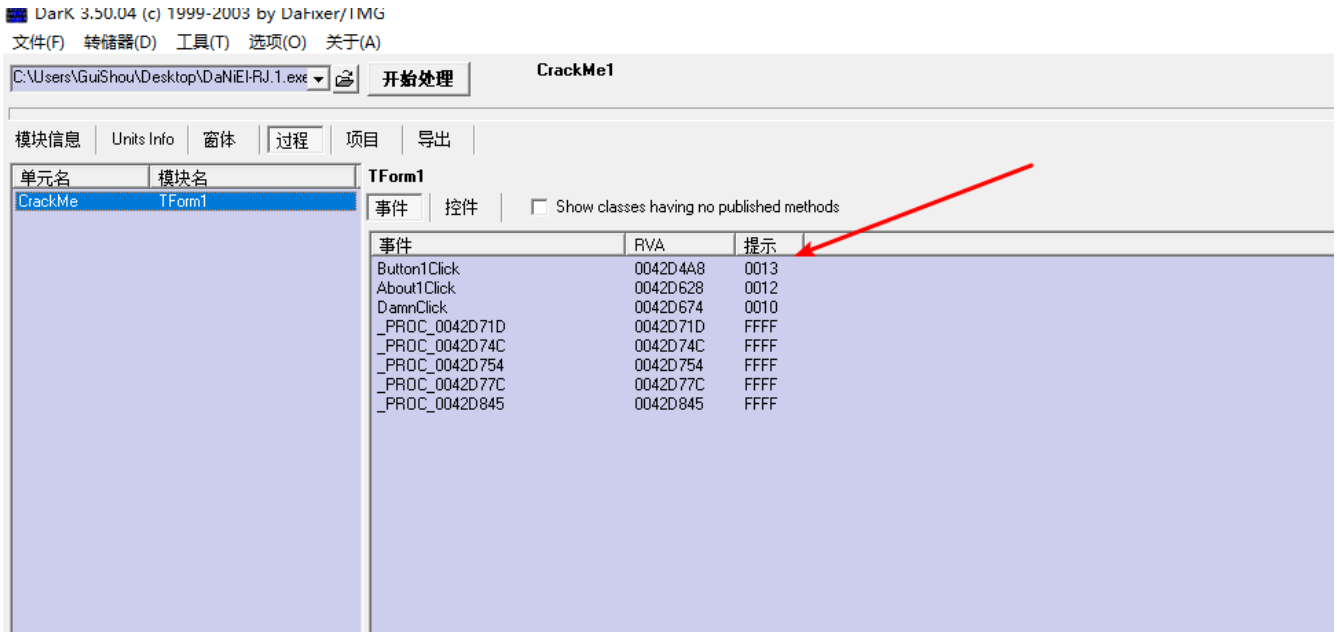
Delphi的程序利用OD+IDA+Darkde的黄金组合破解起来可以说是相当简单了。因为程序是用户名和序列号的保护方式，所以直接找到按钮事件分析算法。

找到响应事件

首先打开Darkde

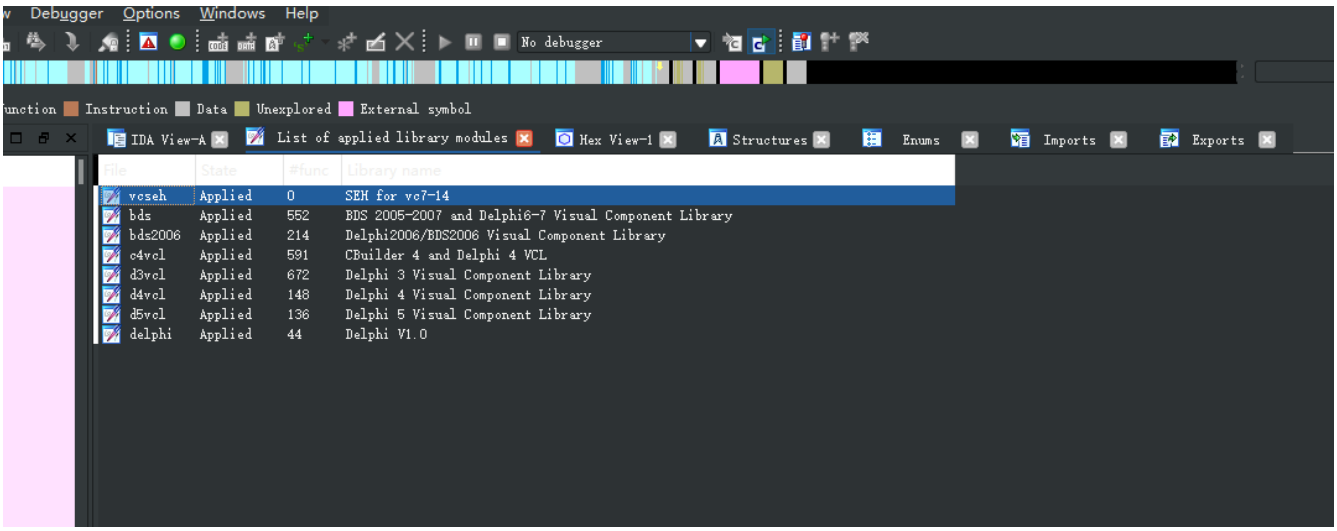


通过窗体找到按钮名，

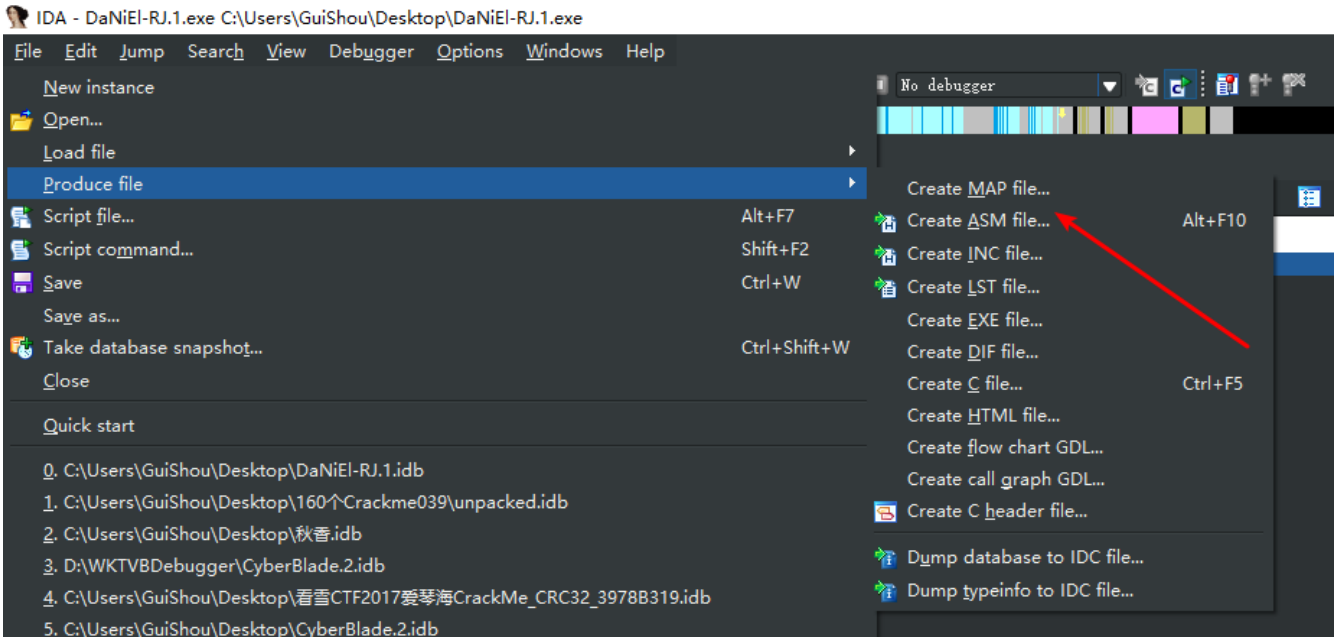


再到过程窗口根据按钮名找到响应事件

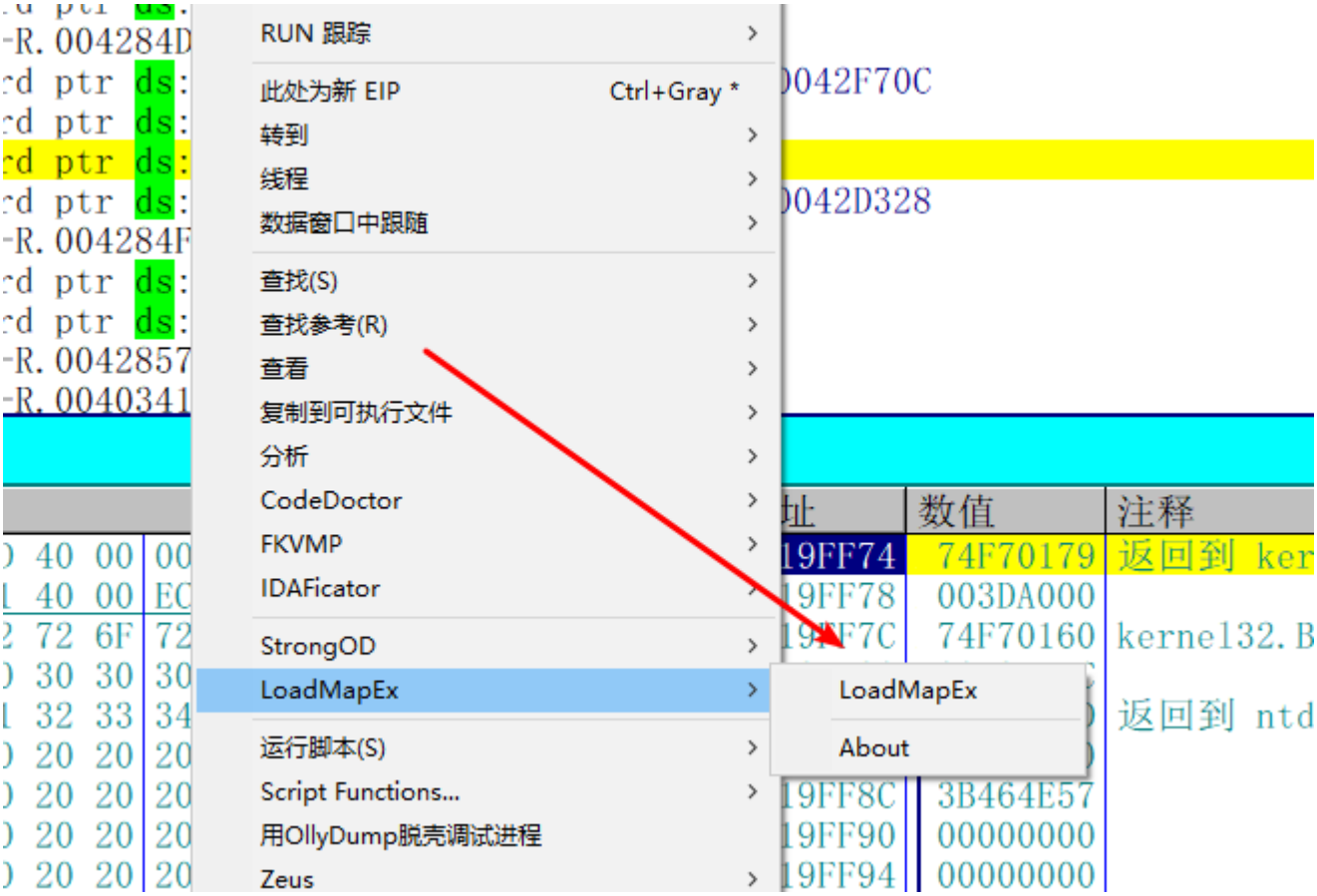
添加签名 导出map文件



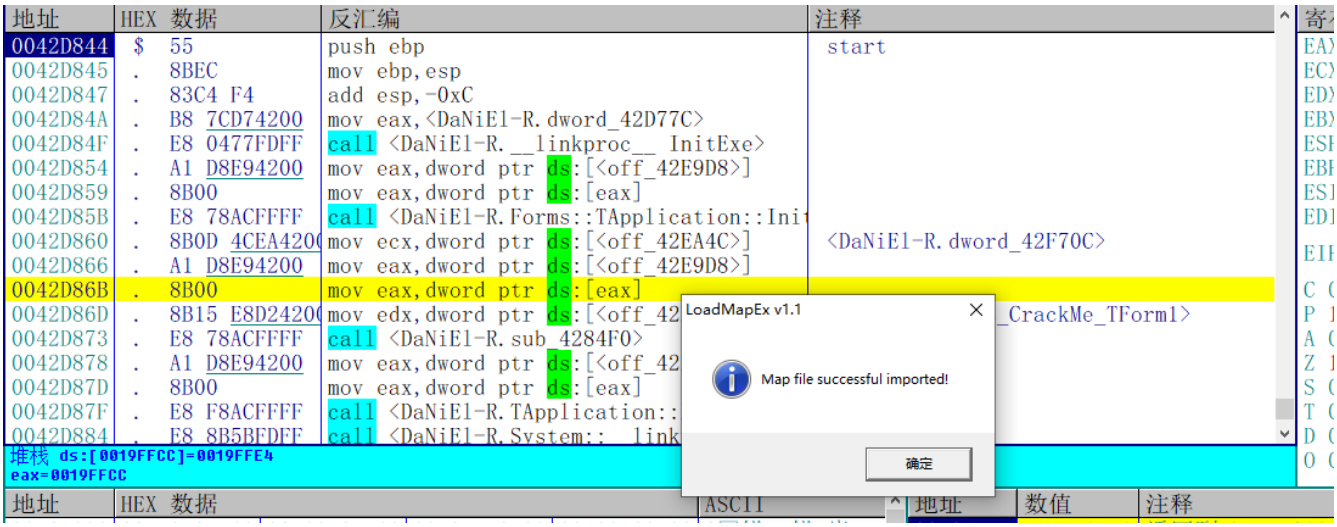
将文件拖入IDA，添加所有的Delphi签名



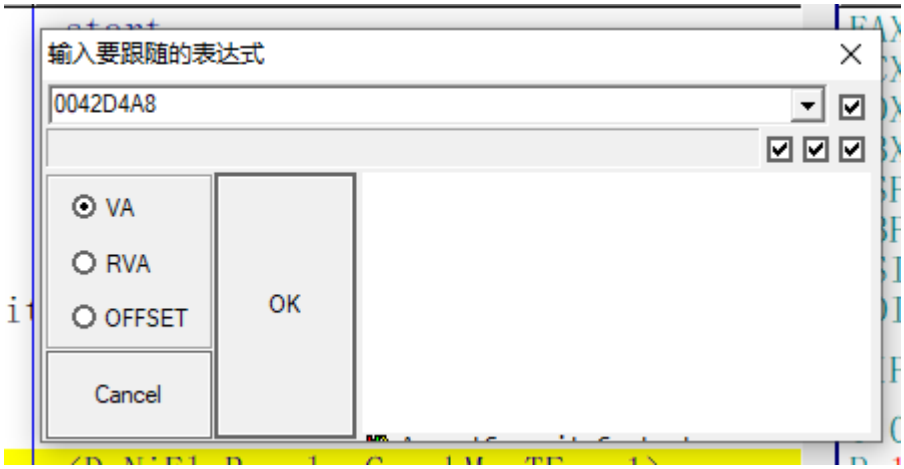
然后导出map文件



接着将map文件导入到OD



可以很清楚的看到已经IDA的符号已经被导入进来了。



然后直接去到按钮响应事件，分析注册算法

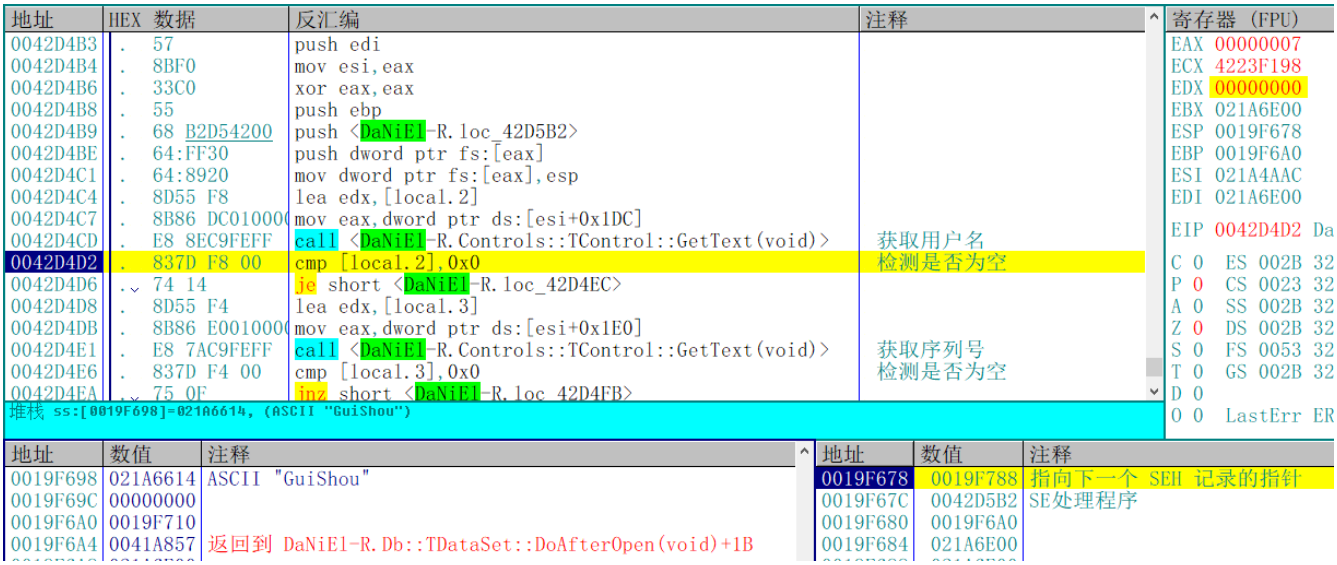
分析算法

随便输入一个用户名和序列号，开始分析算法，在IDA中算法逻辑如下

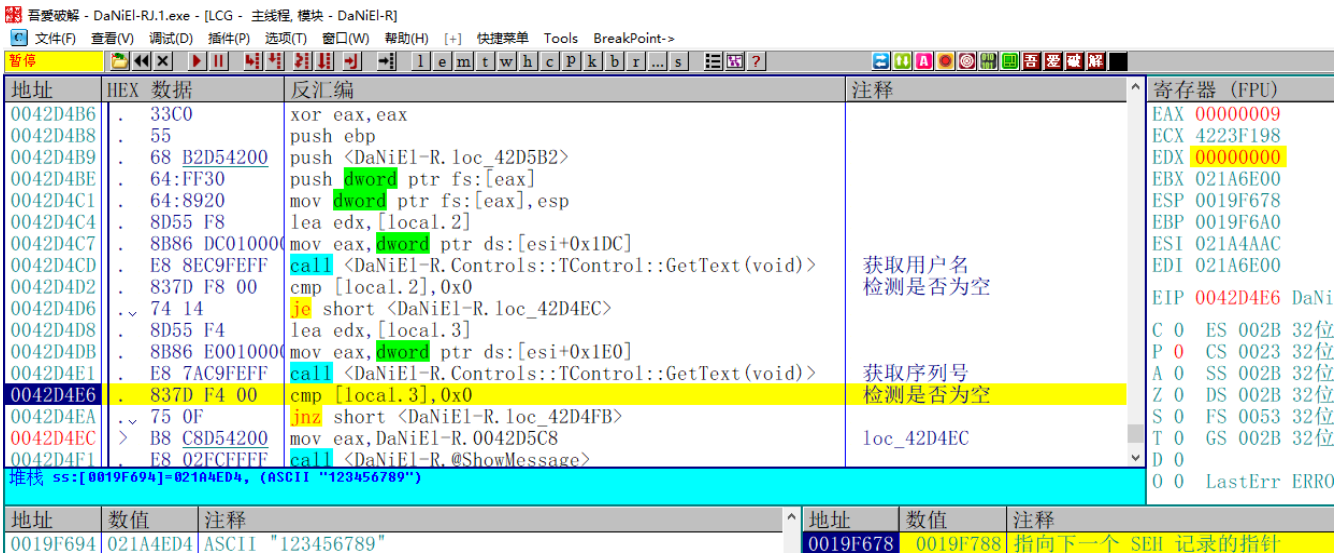
```
v9 = __readfsdword(0);
__writefsdword(0, (unsigned int)&v9);
Controls::TControl::GetText(*(Controls::TControl **)(a1 + 476));// 获取用户名 检测是否为空
if ( username && (Controls::TControl::GetText(*(Controls::TControl **)(v4 + 480)), v16) )// 获取序列号 检测是否为空
{
  i = 1;
  Controls::TControl::GetText(*(Controls::TControl **)(v4 + 476));
  usernameLen = __linkproc__ LStrLen(username);// 获取用户名长度
  System::__linkproc__ LStrClr(&v18);
  if ( usernameLen >= 1 )
  {
    do
    {
      Controls::TControl::GetText(*(Controls::TControl **)(v4 + 476));
      unknown_libname_886(&v15, *(unsigned __int8 *)(username + i - 1) + 5);// 将用户名的每一位ASCII+5之后转为字符
      System::__linkproc__ LStrCat(&v18, v15);// 拼接转换后的每一个字符
      ++i;
    }
    while ( usernameLen >= i );
  }
  Controls::TControl::GetText(*(Controls::TControl **)(v4 + 480));// 获取序列号
  System::__linkproc__ LStrCmp(username, v18);// 将序列号和用户名拼接的字符进行比较
  if ( v7 )
    ShowMessage(&str_Congratz_cracke[1]);
  else
```

下面进行逐步讲解

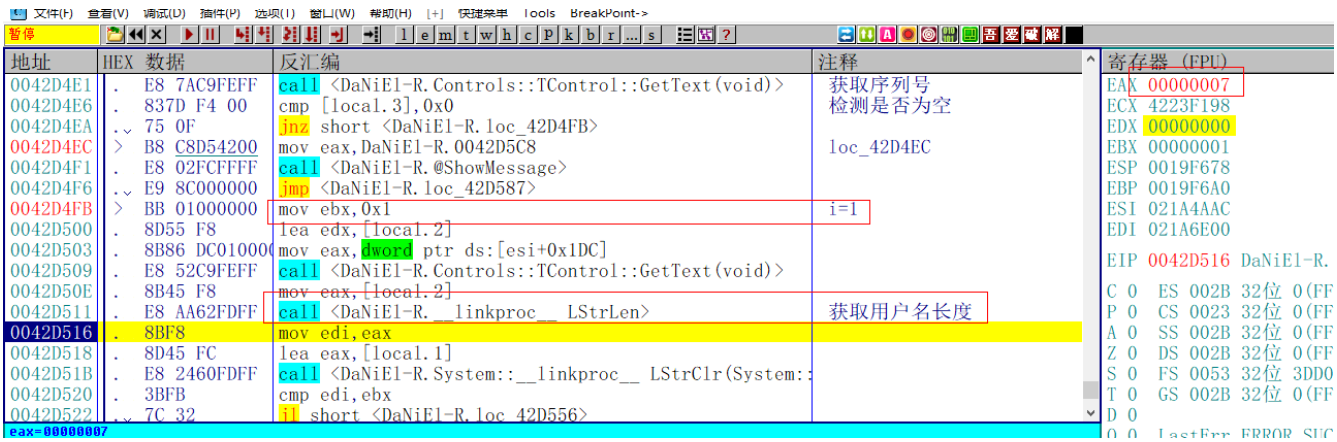
1. 获取用户名 检测是否为空



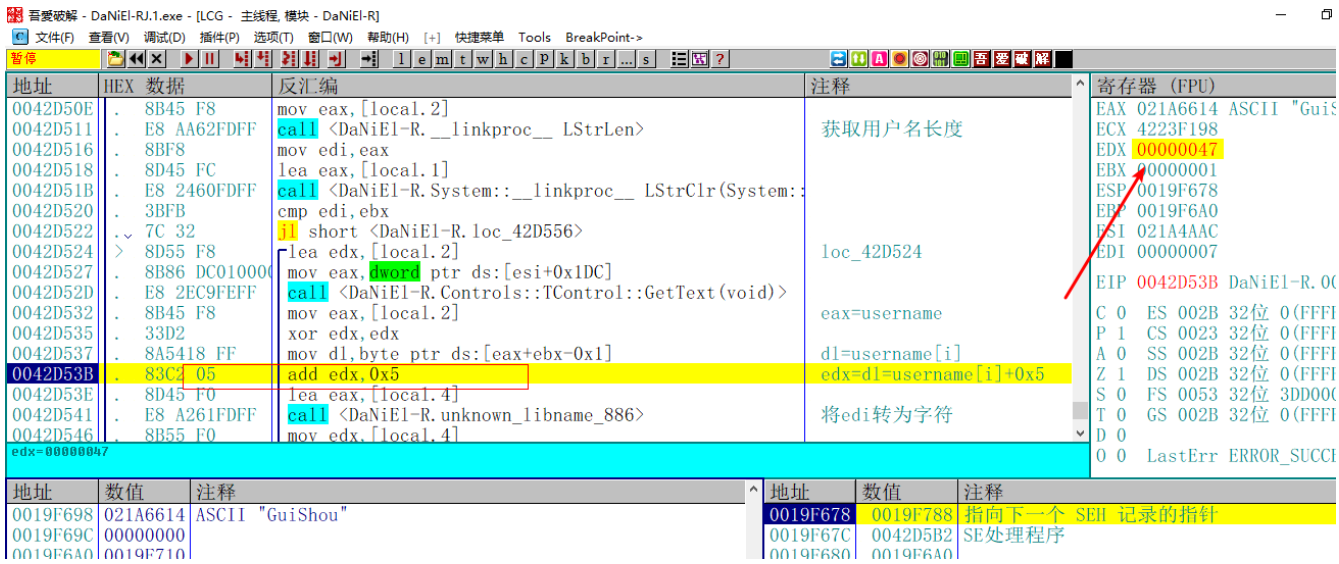
2. 获取序列号 检测是否为空

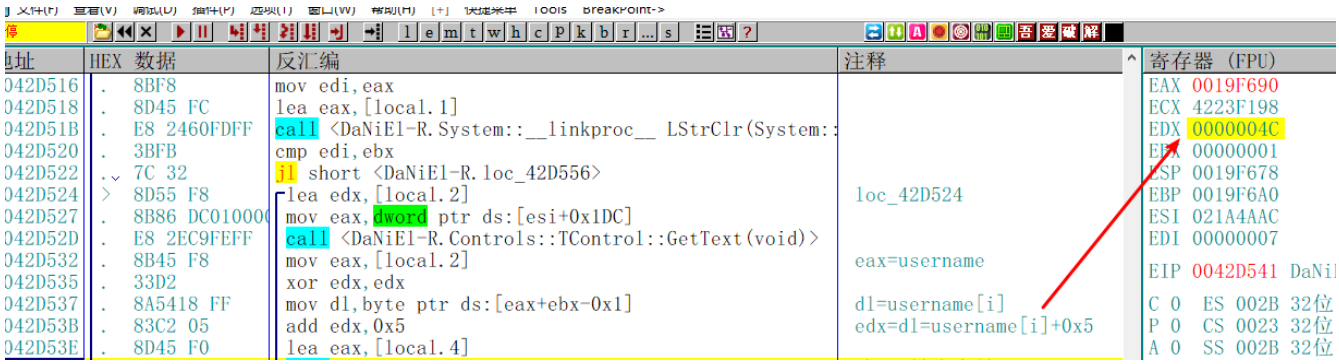


3. 初始化循环 并获取用户名长度

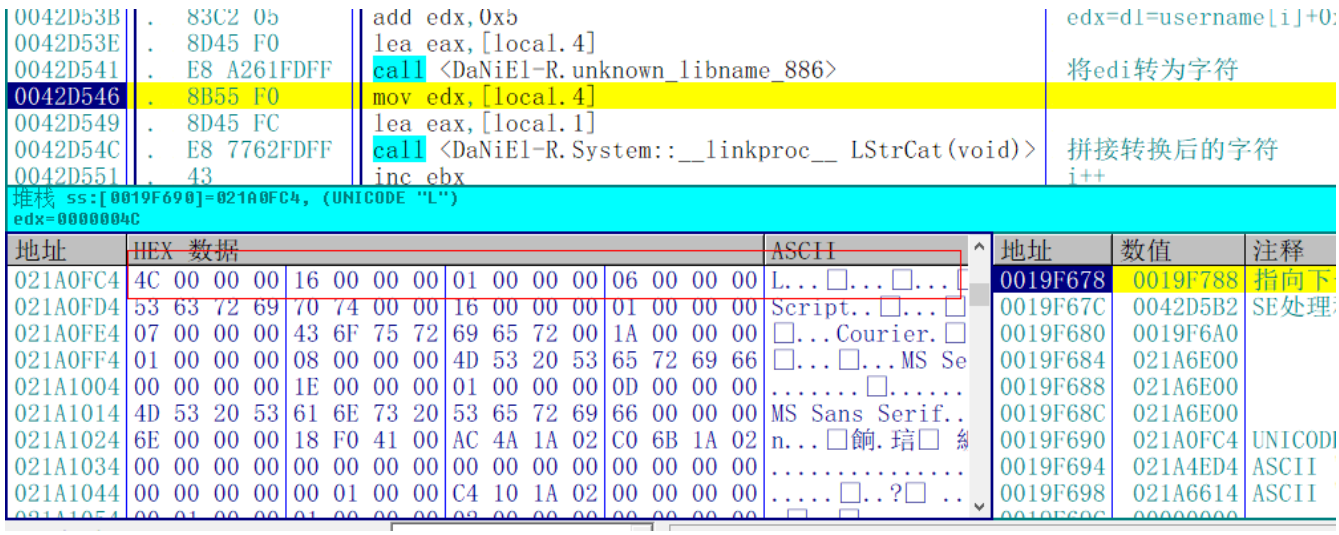


4. 获取用户名每一位的ASCII值+5

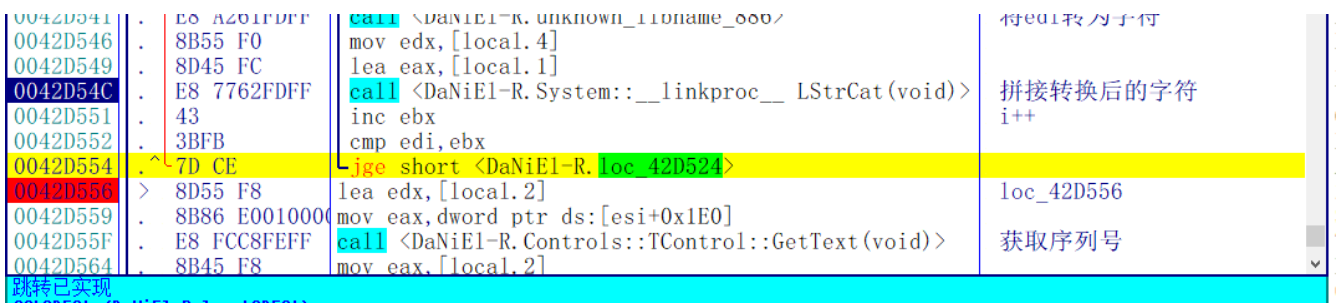




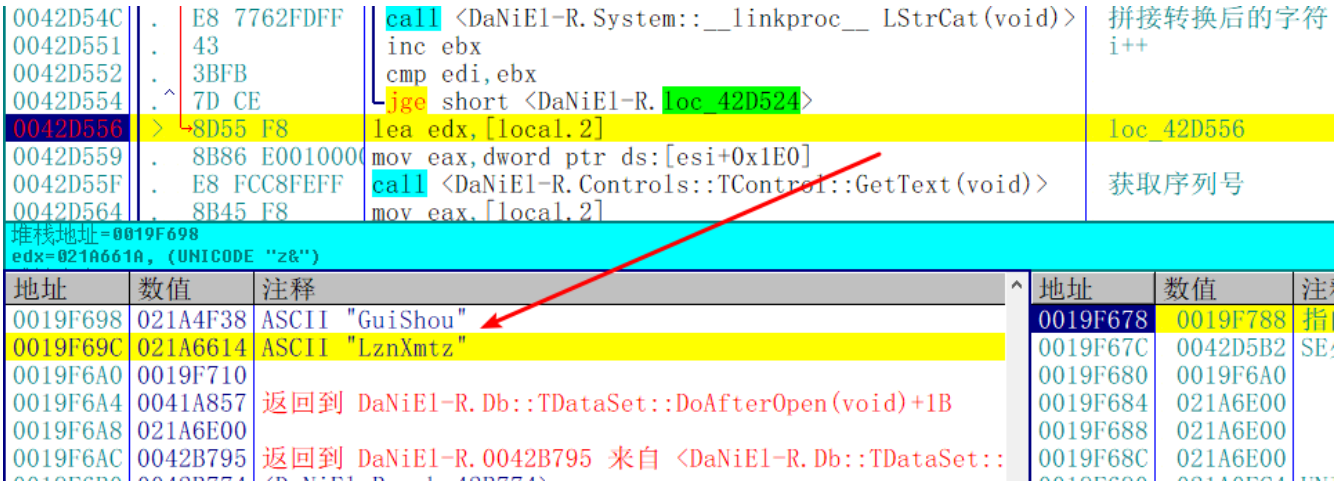
5. 将用户名的ASCII值+5后转为字符



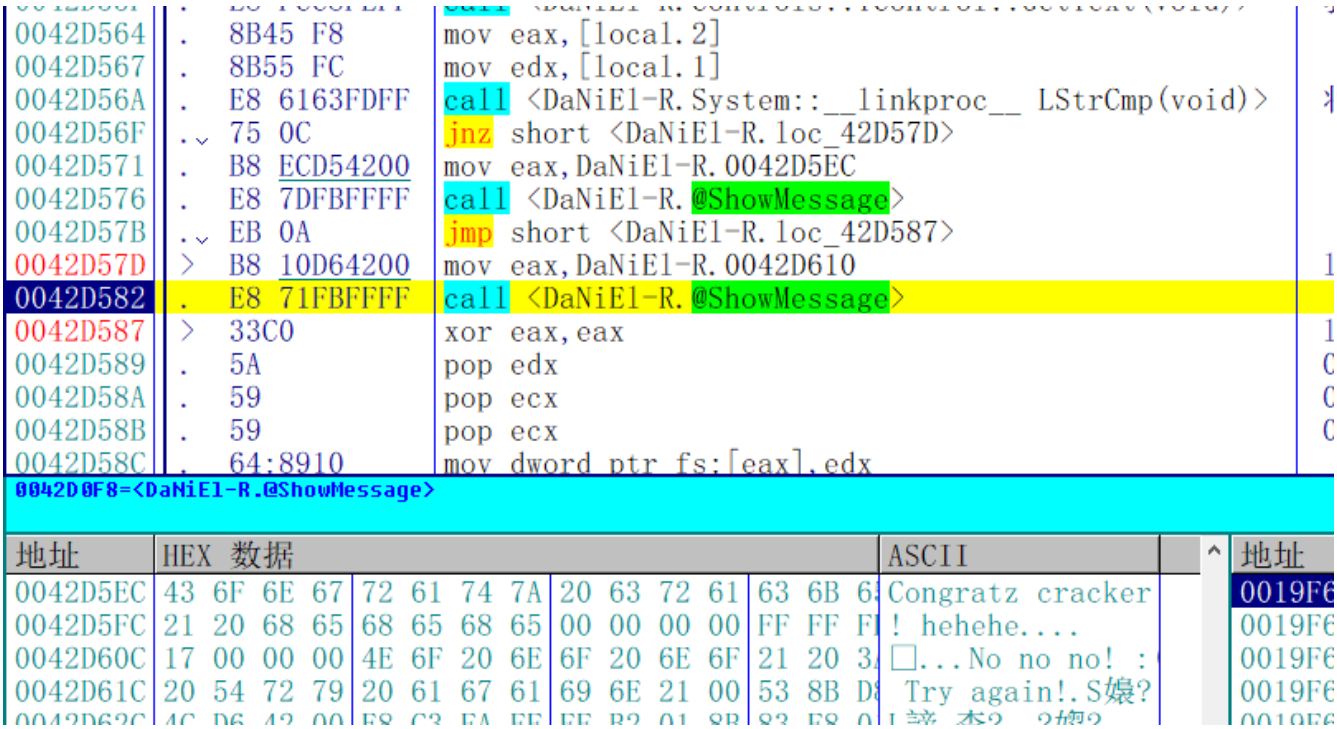
6. 拼接转换后的字符 并开始新一轮循环



直接在42D556循环结束后下断点，可以看到最后拼接的结果



7. 获取序列号 将序列号和拼接的字符进行比较



根据比较的结果提示是否注册成功

写出注册机

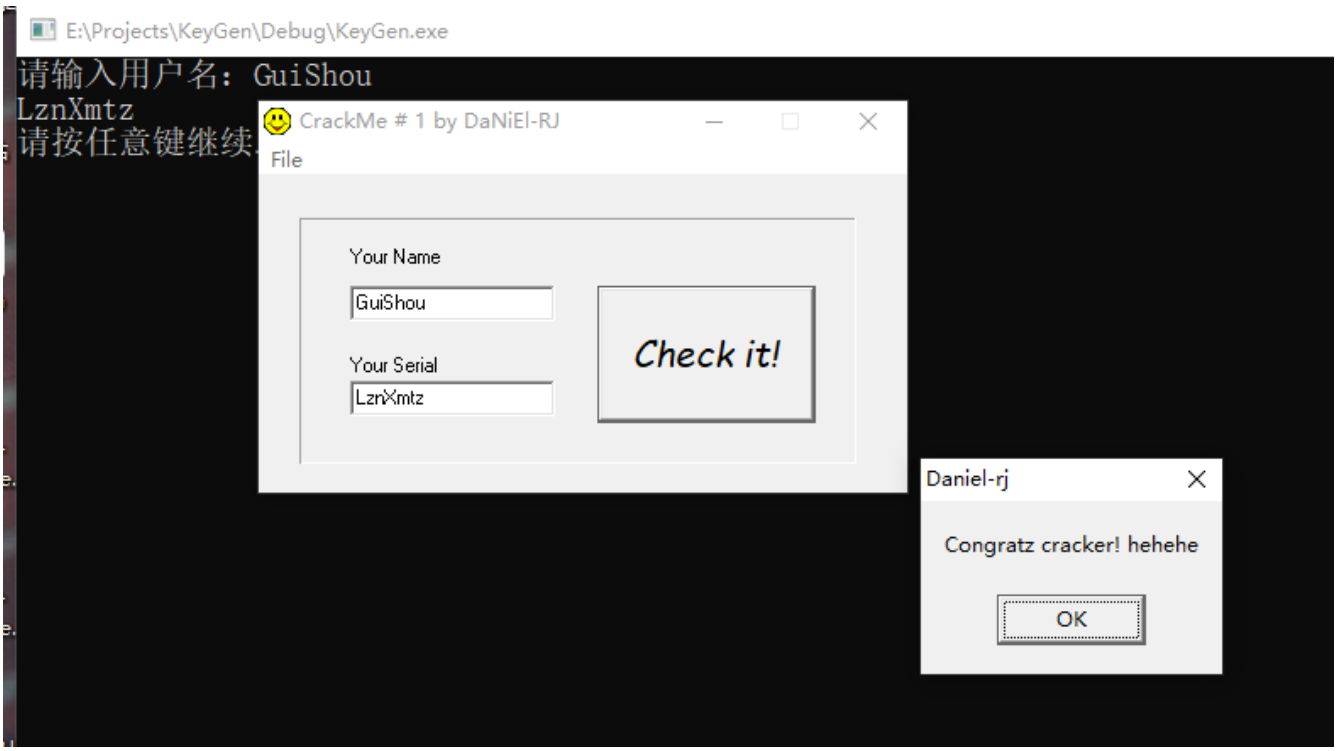
这个算法还是相对比较简单的，直接写出注册机，代码如下

```
#include "pch.h"
#define _CRT_SECURE_NO_WARNINGS
#include <windows.h>
#include <stdio.h>


int main()
{
    char username[20] = { 0 };
    char serial[20] = { 0 };
    printf("请输入用户名: ");
    scanf_s("%s", username, 20);
    for (int i = 0; i < strlen(username); i++)
    {
        serial[i] = username[i] + 5;
    }
    printf("%s\n", serial);
    system("pause");
    return 0;
}
```

校验结果

输入用户名和计算的序列号，提示注册成功 破解完成



需要注册机和相关文件可以到我的Github下载：https://github.com/TonyChen56/160-Crackme