防ak

广受好评的送分题

ida打开

```
| Comparison | Com
```

一开始进入汇编界面,于是按F5

```
int cdecl main(int argc, const char **argv, const char **envp)
  sub_40E8C0(argc, argv, envp);
  sub_424D60("Can you find where the flag is?\n");
  sub 424D60("Please input your flag:");
  sub_424D10("%s", Str);
 dword_4AC050 = 1;
 dword 4AC054 = 1;
 sub_401530();
 sub_4015A7();
  if ( dword 4AC050 && dword 4AC054 )
    sub_424D60("WoW,you find it\n");
    sub_424D60("NUAACTF{%s}", Str);
  }
 else
    sub 424D60("try again");
  return 0;
```

```
size_t sub_401530()
{
    size_t v0; // rbx
    size_t result; // rax
    char Str[12]; // [rsp+20h] [rbp-60h]
    int i; // [rsp+2Ch] [rbp-54h]

    strcpy(Str, "We1c0me_t0_");
    for ( i = 0; ; ++i )
    {
       v0 = i;
       result = strlen(Str);
       if ( v0 >= result )
            break;
       if ( Str[i] != ::Str[i] )
            dword_4AC050 = 0;
    }
    return result;
}
```

第一个i=0,是正着来,

```
1 size t sub 4015A7()
2 {
3
   size t v0; // rbx
   size_t result; // rax
5
   char Str[24]; // [rsp+20h] [rbp-60h] BYREF
   int i; // [rsp+38h] [rbp-48h]
7
   int v4; // [rsp+3Ch] [rbp-44h]
3
9
   strcpy(Str, "d1r0w_esrever_eht");
3
   v4 = strlen(::Str) - 1;
1
   for (i = 0; ; ++i)
2
3
     v0 = i;
4
     result = strlen(Str);
5
     if ( v0 >= result )
5
       break;
7
     if ( Str[i] != ::Str[v4] )
3
       dword 4AC054 = 0;
9
     --v4;
3
1
   return result;
2 }
```

第一个v4=str-1,发现是倒着来,

把str拼起来,答案即为NUAACTF{We1c0me_t0_the_reverse_w0r1d}