老规矩, 查看保护

丢进 IDA 查看漏洞:

```
int64 fastcall main( int64 a1, char **a2, char **a3)
  2 {
     char buf[55]; // [rsp+0h] [rbp-50h]
  3
     char v5; // [rsp+37h] [rbp-19h]
  4
     ssize_t v6; // [rsp+38h] [rbp-18h]
  5
  6
     unsigned int seed[2]; // [rsp+40h] [rbp-10h]
  7
     unsigned int v8; // [rsp+4Ch] [rbp-4h]
  8
  9
     memset(buf, 0, 0x30uLL);
     *(_QWORD *)seed = time(0LL);
10
11
     printf("Welcome, let me know your name: ", a2);
12
     fflush(stdout);
13
     \sqrt{6} = read(0, buf, 0x50uLL);
14
     if (\sqrt{6} <= 49)
15
       buf[v6 - 1] = 0;
16
    printf("Hi, %s. Let's play a game.\n", buf);
17
     fflush(stdout);
18
     srand(seed[0]);
19
     v8 = 1;
20
     v5 = 0;
21
     while (1)
 22
23
       printf("Game %d/50\n", v8);
24
       v5 = sub_A20();
25
       fflush(stdout);
26
        if ( v5 != 1 )
27
         break:
28
        if ( v8 == 50 )
 29
        {
30
         sub B28(buf);
31
         break;
        }
 32
33
       ++v8;
 34
     }
35
     puts("Bye bye!");
36
     return OLL;
```

显然 v6 可以溢出覆盖掉随机数种子,然后就可以按照随机数种输入了

得到 flag: