RevEnge Sprout 2018 Final Challenge

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rcs:
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```
var_18= dword ptr -18h
var_14= dword ptr -14h
var 4= dword ptr -4
      rbp
push
      rbp, rsp
mov
       [rbp+var_14], edi
mov
       [rbp+var_18], esi
mov
       [rbp+var_4], 0
mov
jmp
      short loc 40066F
loc_400659:
       eax, [rbp+var_18]
mov
      eax, 1
and
test
     eax, eax
     short loc_400669
įΖ
       eax, [rbp+var_14]
mov
      [rbp+var_4], eax
add
loc_400669:
shl
     [rbp+var 14], 1
     [rbp+var_18], 1
shr
loc_40066F:
       [rbp+var_18], 0
cmp
jnz
     short loc_400659
       eax, [rbp+var_4]
mov
pop
      rbp
retn
rcs endp
           "rcs function end
```

```
main:
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```
var_14= dword ptr -14h
var_10= dword ptr -10h
var_C= dword ptr -0Ch
var_8= qword ptr -8
push
      rbp
mov
      rbp, rsp
      rsp, 20h
sub
      rax, fs:28h
mov
       [rbp+var_8], rax
mov
xor
      eax, eax
       edi, offset format ; "Enter UserID:"
mov
       eax, 0
mov
     _printf
call
     rax, [rbp+var_14]
lea
mov
       rsi, rax
       edi, offset aD; "%d"
mov
mov
       eax, 0
      isoc99 scanf
call
       edi, offset aEnterPasscode; "Enter Passcode:"
mov
       eax, 0
mov
     _printf
call
lea
     rax, [rbp+var_10]
       rsi, rax
mov
       edi, offset aD; "%d"
mov
       eax, 0
mov
call
     ___isoc99_scanf
mov
       eax, [rbp+var_14]
       eax, 270Fh
cmp
     short loc_4006EF
ile
       eax, [rbp+var_10]
mov
       eax, 270Fh
cmp
     short loc_400700
jg
loc 4006EF:
       edi, offset s ; "Numbers are too small."
mov
call
     _puts
       eax, 0
mov
      short loc 400744
jmp
```

```
loc_400700:
      eax, [rbp+var_10]
mov
      edx, eax
mov
      eax, [rbp+var_14]
mov
      esi, edx
mov
      edi, eax
mov
call
    rcs
      [rbp+var_C], eax
mov
      [rbp+var_C], 6954A9Bh
cmp
jnz
     short loc_400735
mov edi, offset aYouWin; "You win!"
    _puts
call
      edi, offset aFlag; "<flag>"
mov
mov
      eax, 0
    _printf
call
      short loc_40073F
jmp
loc 400735:
      edi, offset aWrongAnswer; "Wrong Answer"
mov
call
    _puts
loc 40073F:
      eax, 0
mov
loc 400744:
mov rcx, [rbp+var_8]
     rcx, fs:28h
xor
    short loc_400758 "Main function end
jz
loc_400758:
leave
retn
```