

phase-1

| rax | return value |
|-----|---------------|
| rsp | stack pointer |
| rdi | 1 |
| rsi | 2 |
| rdx | 3 |
| rcx | 4 |
| r8 | 5 |
| r9 | 6 |

strings - not_equal(mystring, ans)

%rbx = mystring

%rbp = ans

%r12d = len(mystring)

0 : %rdi = 0x603780
rsi = 0x402400
%r12d = 1

%rdi = rbp = 0x402400 → 52

%rdx = %rdi

%rdx = %rdx + 1

%eax = %edx

%eax = %eax - %edi

Why %rdi = 52? b * 0x40134d

可知 phase 1 52 行

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 8 | 4 | 2 | 1 | 0 | 3 | 7 | 8 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | |
|---|---|---|---|
| 8 | 4 | 2 | 1 |
| 0 | 1 | 1 | 0 |

③ %rdx = %rsi

%rcx = %rsi + 4

%rax = %rsi + 0x14

~~%rax~~

(%rsp + 8) = %rax

| |
|-----------------|
| 0x08 |
| 0x08 |

| |
|-------------|
| 0 |
| %rbp |
| -0x08 |
| %rbx |
| -0x10 |
| 28 |
| -0x38 ← rsi |
| 18 |