```
bomb:      file format elf64-x86-64

Disassembly of section .init:

0000000000400a88 <_init>:
  400a88:      48 83 ec 08             sub    $0x8,%rsp
  400a8c:      e8 3b 02 00 00          callq  400ccc <call_gmon_start>
  400a91:      e8 ba 02 00 00          callq  400d50 <frame_dummy>
  400a96:      e8 a5 0e 00 00          callq  401940 <__do_global_ctors_aux>
  400a9b:      48 83 c4 08             add    $0x8,%rsp
  400a9f:      c3                      retq
Disassembly of section .plt:

0000000000400aa0 <printf@plt-0x10>:
  400aa0:      ff 35 8a 1a 20 00       pushq  2103946(%rip)        # 602530 <_GLOBAL_OFFSET_TABLE_+0x8>
  400aa6:      ff 25 8c 1a 20 00       jmpq   *2103948(%rip)       # 602538 <_GLOBAL_OFFSET_TABLE_+0x10>
  400aac:      0f 1f 40 00             nopl   0x0(%rax)

0000000000400ab0 <printf@plt>:
  400ab0:      ff 25 8a 1a 20 00       jmpq   *2103946(%rip)       # 602540 <_GLOBAL_OFFSET_TABLE_+0x18>
  400ab6:      68 00 00 00 00          pushq  $0x0
  400abb:      e9 e0 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400ac0 <close@plt>:
  400ac0:      ff 25 82 1a 20 00       jmpq   *2103938(%rip)       # 602548 <_GLOBAL_OFFSET_TABLE_+0x20>
  400ac6:      68 01 00 00 00          pushq  $0x1
  400acb:      e9 d0 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400ad0 <gethostbyname@plt>:
  400ad0:      ff 25 7a 1a 20 00       jmpq   *2103930(%rip)       # 602550 <_GLOBAL_OFFSET_TABLE_+0x28>
  400ad6:      68 02 00 00 00          pushq  $0x2
  400adb:      e9 c0 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400ae0 <puts@plt>:
  400ae0:      ff 25 72 1a 20 00       jmpq   *2103922(%rip)       # 602558 <_GLOBAL_OFFSET_TABLE_+0x30>
  400ae6:      68 03 00 00 00          pushq  $0x3
  400aeb:      e9 b0 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400af0 <exit@plt>:
  400af0:      ff 25 6a 1a 20 00       jmpq   *2103914(%rip)       # 602560 <_GLOBAL_OFFSET_TABLE_+0x38>
  400af6:      68 04 00 00 00          pushq  $0x4
  400afb:      e9 a0 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b00 <strcasecmp@plt>:
  400b00:      ff 25 62 1a 20 00       jmpq   *2103906(%rip)       # 602568 <_GLOBAL_OFFSET_TABLE_+0x40>
  400b06:      68 05 00 00 00          pushq  $0x5
  400b0b:      e9 90 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b10 <fopen@plt>:
  400b10:      ff 25 5a 1a 20 00       jmpq   *2103898(%rip)       # 602570 <_GLOBAL_OFFSET_TABLE_+0x48>
  400b16:      68 06 00 00 00          pushq  $0x6
  400b1b:      e9 80 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b20 <__libc_start_main@plt>:
  400b20:      ff 25 52 1a 20 00       jmpq   *2103890(%rip)       # 602578 <_GLOBAL_OFFSET_TABLE_+0x50>
  400b26:      68 07 00 00 00          pushq  $0x7
  400b2b:      e9 70 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b30 <dup@plt>:
  400b30:      ff 25 4a 1a 20 00       jmpq   *2103882(%rip)       # 602580 <_GLOBAL_OFFSET_TABLE_+0x58>
  400b36:      68 08 00 00 00          pushq  $0x8
  400b3b:      e9 60 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b40 <system@plt>:
  400b40:      ff 25 42 1a 20 00       jmpq   *2103874(%rip)       # 602588 <_GLOBAL_OFFSET_TABLE_+0x60>
  400b46:      68 09 00 00 00          pushq  $0x9
  400b4b:      e9 50 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b50 <fgets@plt>:
  400b50:      ff 25 3a 1a 20 00       jmpq   *2103866(%rip)       # 602590 <_GLOBAL_OFFSET_TABLE_+0x68>
  400b56:      68 0a 00 00 00          pushq  $0xa
  400b5b:      e9 40 ff ff ff          jmpq   400aa0 <_init+0x18>

0000000000400b60 <fputc@plt>:
  400b60:      ff 25 32 1a 20 00       jmpq   *2103858(%rip)       # 602598 <_GLOBAL_OFFSET_TABLE_+0x70>
  400b66:      68 0b 00 00 00          pushq  $0xb
```

```
  400b6b:       e9 30 ff ff ff          jmpq    400aa0 <_init+0x18>

0000000000400b70 <bcopy@plt>:
  400b70:       ff 25 2a 1a 20 00       jmpq    *2103850(%rip)          # 6025a0 <_GLOBAL_OFFSET_TABLE_+0x78>
  400b76:       68 0c 00 00 00          pushq   $0xc
  400b7b:       e9 20 ff ff ff          jmpq    400aa0 <_init+0x18>

0000000000400b80 <__ctype_b_loc@plt>:
  400b80:       ff 25 22 1a 20 00       jmpq    *2103842(%rip)          # 6025a8 <_GLOBAL_OFFSET_TABLE_+0x80>
  400b86:       68 0d 00 00 00          pushq   $0xd
  400b8b:       e9 10 ff ff ff          jmpq    400aa0 <_init+0x18>

0000000000400b90 <sprintf@plt>:
  400b90:       ff 25 1a 1a 20 00       jmpq    *2103834(%rip)          # 6025b0 <_GLOBAL_OFFSET_TABLE_+0x88>
  400b96:       68 0e 00 00 00          pushq   $0xe
  400b9b:       e9 00 ff ff ff          jmpq    400aa0 <_init+0x18>

0000000000400ba0 <__strtol_internal@plt>:
  400ba0:       ff 25 12 1a 20 00       jmpq    *2103826(%rip)          # 6025b8 <_GLOBAL_OFFSET_TABLE_+0x90>
  400ba6:       68 0f 00 00 00          pushq   $0xf
  400bab:       e9 f0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400bb0 <sscanf@plt>:
  400bb0:       ff 25 0a 1a 20 00       jmpq    *2103818(%rip)          # 6025c0 <_GLOBAL_OFFSET_TABLE_+0x98>
  400bb6:       68 10 00 00 00          pushq   $0x10
  400bbb:       e9 e0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400bc0 <sleep@plt>:
  400bc0:       ff 25 02 1a 20 00       jmpq    *2103810(%rip)          # 6025c8 <_GLOBAL_OFFSET_TABLE_+0xa0>
  400bc6:       68 11 00 00 00          pushq   $0x11
  400bcb:       e9 d0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400bd0 <rewind@plt>:
  400bd0:       ff 25 fa 19 20 00       jmpq    *2103802(%rip)          # 6025d0 <_GLOBAL_OFFSET_TABLE_+0xa8>
  400bd6:       68 12 00 00 00          pushq   $0x12
  400bdb:       e9 c0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400be0 <connect@plt>:
  400be0:       ff 25 f2 19 20 00       jmpq    *2103794(%rip)          # 6025d8 <_GLOBAL_OFFSET_TABLE_+0xb0>
  400be6:       68 13 00 00 00          pushq   $0x13

  400beb:       e9 b0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400bf0 <gethostname@plt>:
  400bf0:       ff 25 ea 19 20 00       jmpq    *2103786(%rip)          # 6025e0 <_GLOBAL_OFFSET_TABLE_+0xb8>
  400bf6:       68 14 00 00 00          pushq   $0x14
  400bfb:       e9 a0 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c00 <tmpfile@plt>:
  400c00:       ff 25 e2 19 20 00       jmpq    *2103778(%rip)          # 6025e8 <_GLOBAL_OFFSET_TABLE_+0xc0>
  400c06:       68 15 00 00 00          pushq   $0x15
  400c0b:       e9 90 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c10 <signal@plt>:
  400c10:       ff 25 da 19 20 00       jmpq    *2103770(%rip)          # 6025f0 <_GLOBAL_OFFSET_TABLE_+0xc8>
  400c16:       68 16 00 00 00          pushq   $0x16
  400c1b:       e9 80 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c20 <socket@plt>:
  400c20:       ff 25 d2 19 20 00       jmpq    *2103762(%rip)          # 6025f8 <_GLOBAL_OFFSET_TABLE_+0xd0>
  400c26:       68 17 00 00 00          pushq   $0x17
  400c2b:       e9 70 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c30 <getenv@plt>:
  400c30:       ff 25 ca 19 20 00       jmpq    *2103754(%rip)          # 602600 <_GLOBAL_OFFSET_TABLE_+0xd8>
  400c36:       68 18 00 00 00          pushq   $0x18
  400c3b:       e9 60 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c40 <cuserid@plt>:
  400c40:       ff 25 c2 19 20 00       jmpq    *2103746(%rip)          # 602608 <_GLOBAL_OFFSET_TABLE_+0xe0>
  400c46:       68 19 00 00 00          pushq   $0x19
  400c4b:       e9 50 fe ff ff          jmpq    400aa0 <_init+0x18>

0000000000400c50 <strcpy@plt>:
  400c50:       ff 25 ba 19 20 00       jmpq    *2103738(%rip)          # 602610 <_GLOBAL_OFFSET_TABLE_+0xe8>
  400c56:       68 1a 00 00 00          pushq   $0x1a
  400c5b:       e9 40 fe ff ff          jmpq    400aa0 <_init+0x18>
```

```
0000000000400c60 <fclose@plt>:
  400c60:       ff 25 b2 19 20 00       jmpq   *2103730(%rip)        # 602618 <_GLOBAL_OFFSET_TABLE_+0xf0>
  400c66:       68 1b 00 00 00          pushq  $0x1b
  400c6b:       e9 30 fe ff ff          jmpq   400aa0 <_init+0x18>

0000000000400c70 <fwrite@plt>:
  400c70:       ff 25 aa 19 20 00       jmpq   *2103722(%rip)        # 602620 <_GLOBAL_OFFSET_TABLE_+0xf8>
  400c76:       68 1c 00 00 00          pushq  $0x1c
  400c7b:       e9 20 fe ff ff          jmpq   400aa0 <_init+0x18>

0000000000400c80 <fprintf@plt>:
  400c80:       ff 25 a2 19 20 00       jmpq   *2103714(%rip)        # 602628 <_GLOBAL_OFFSET_TABLE_+0x100>
  400c86:       68 1d 00 00 00          pushq  $0x1d
  400c8b:       e9 10 fe ff ff          jmpq   400aa0 <_init+0x18>

0000000000400c90 <fflush@plt>:
  400c90:       ff 25 9a 19 20 00       jmpq   *2103706(%rip)        # 602630 <_GLOBAL_OFFSET_TABLE_+0x108>
  400c96:       68 1e 00 00 00          pushq  $0x1e
  400c9b:       e9 00 fe ff ff          jmpq   400aa0 <_init+0x18>
Disassembly of section .text:

0000000000400ca0 <_start>:
  400ca0:       31 ed                   xor    %ebp,%ebp
  400ca2:       49 89 d1                mov    %rdx,%r9
  400ca5:       5e                      pop    %rsi
  400ca6:       48 89 e2                mov    %rsp,%rdx
  400ca9:       48 83 e4 f0             and    $0xfffffffffffffff0,%rsp
  400cad:       50                      push   %rax
  400cae:       54                      push   %rsp
  400caf:       49 c7 c0 a0 18 40 00    mov    $0x4018a0,%r8
  400cb6:       48 c7 c1 b0 18 40 00    mov    $0x4018b0,%rcx
  400cbd:       48 c7 c7 78 0d 40 00    mov    $0x400d78,%rdi
  400cc4:       e8 57 fe ff ff          callq  400b20 <__libc_start_main@plt>
  400cc9:       f4                      hlt
  400cca:       90                      nop
  400ccb:       90                      nop

0000000000400ccc <call_gmon_start>:
  400ccc:       48 83 ec 08             sub    $0x8,%rsp
  400cd0:       48 8b 05 49 18 20 00    mov    2103369(%rip),%rax          # 602520 <_DYNAMIC+0x190>
  400cd7:       48 85 c0                test   %rax,%rax
  400cda:       74 02                   je     400cde <call_gmon_start+0x12>
  400cdc:       ff d0                   callq  *%rax
  400cde:       48 83 c4 08             add    $0x8,%rsp
  400ce2:       c3                      retq
  400ce3:       90                      nop
  400ce4:       90                      nop
  400ce5:       90                      nop
  400ce6:       90                      nop
  400ce7:       90                      nop
  400ce8:       90                      nop
  400ce9:       90                      nop
  400cea:       90                      nop
  400ceb:       90                      nop
  400cec:       90                      nop
  400ced:       90                      nop
  400cee:       90                      nop
  400cef:       90                      nop

0000000000400cf0 <__do_global_dtors_aux>:
  400cf0:       55                      push   %rbp
  400cf1:       48 89 e5                mov    %rsp,%rbp
  400cf4:       53                      push   %rbx
  400cf5:       48 83 ec 08             sub    $0x8,%rsp
  400cf9:       80 3d 98 22 20 00 00    cmpb   $0x0,2106008(%rip)          # 602f98 <completed.6145>
  400d00:       75 44                   jne    400d46 <__do_global_dtors_aux+0x56>
  400d02:       b8 80 23 60 00          mov    $0x602380,%eax
  400d07:       48 2d 78 23 60 00       sub    $0x602378,%rax
  400d0d:       48 c1 f8 03             sar    $0x3,%rax
  400d11:       48 8d 58 ff             lea    0xffffffffffffffff(%rax),%rbx
  400d15:       48 8b 05 74 22 20 00    mov    2105972(%rip),%rax          # 602f90 <dtor_idx.6147>
  400d1c:       48 39 c3                cmp    %rax,%rbx
  400d1f:       76 1e                   jbe    400d3f <__do_global_dtors_aux+0x4f>
  400d21:       48 83 c0 01             add    $0x1,%rax
  400d25:       48 89 05 64 22 20 00    mov    %rax,2105956(%rip)          # 602f90 <dtor_idx.6147>
  400d2c:       ff 14 c5 78 23 60 00    callq  *0x602378(,%rax,8)
```

```
400d33:     48 8b 05 56 22 20 00    mov    2105942(%rip),%rax       # 602f90 <dtor_idx.6147>
400d3a:     48 39 c3                cmp    %rax,%rbx
400d3d:     77 e2                   ja     400d21 <__do_global_dtors_aux+0x31>
400d3f:     c6 05 52 22 20 00 01    movb   $0x1,2105938(%rip)       # 602f98 <completed.6145>
400d46:     48 83 c4 08             add    $0x8,%rsp
400d4a:     5b                      pop    %rbx
400d4b:     c9                      leaveq
400d4c:     c3                      retq
400d4d:     0f 1f 00                nopl   (%rax)

0000000000400d50 <frame_dummy>:
400d50:     55                      push   %rbp
400d51:     48 83 3d 2f 16 20 00    cmpq   $0x0,2102831(%rip)       # 602388 <__JCR_END__>
400d58:     00
400d59:     48 89 e5                mov    %rsp,%rbp
400d5c:     74 16                   je     400d74 <frame_dummy+0x24>
400d5e:     b8 00 00 00 00          mov    $0x0,%eax
400d63:     48 85 c0                test   %rax,%rax
400d66:     74 0c                   je     400d74 <frame_dummy+0x24>
400d68:     bf 88 23 60 00          mov    $0x602388,%edi
400d6d:     49 89 c3                mov    %rax,%r11
400d70:     c9                      leaveq
400d71:     41 ff e3                jmpq   *%r11
400d74:     c9                      leaveq
400d75:     c3                      retq
400d76:     90                      nop
400d77:     90                      nop

0000000000400d78 <main>:
400d78:     53                      push   %rbx
400d79:     48 89 f3                mov    %rsi,%rbx
400d7c:     83 ff 01                cmp    $0x1,%edi
400d7f:     75 10                   jne    400d91 <main+0x19>
400d81:     48 8b 05 f8 21 20 00    mov    2105848(%rip),%rax       # 602f80 <__bss_start>
400d88:     48 89 05 11 22 20 00    mov    %rax,2105873(%rip)       # 602fa0 <infile>
400d8f:     eb 56                   jmp    400de7 <main+0x6f>
400d91:     83 ff 02                cmp    $0x2,%edi
400d94:     75 35                   jne    400dcb <main+0x53>
400d96:     be f2 1b 40 00          mov    $0x401bf2,%esi
400d9b:     48 8b 7b 08             mov    0x8(%rbx),%rdi
400d9f:     e8 6c fd ff ff          callq  400b10 <fopen@plt>
400da4:     48 89 05 f5 21 20 00    mov    %rax,2105845(%rip)       # 602fa0 <infile>
400dab:     48 85 c0                test   %rax,%rax
400dae:     75 37                   jne    400de7 <main+0x6f>
400db0:     48 8b 53 08             mov    0x8(%rbx),%rdx
400db4:     48 8b 33                mov    (%rbx),%rsi
400db7:     bf b0 19 40 00          mov    $0x4019b0,%edi
400dbc:     e8 ef fc ff ff          callq  400ab0 <printf@plt>
400dc1:     bf 08 00 00 00          mov    $0x8,%edi
400dc6:     e8 25 fd ff ff          callq  400af0 <exit@plt>
400dcb:     48 8b 36                mov    (%rsi),%rsi
400dce:     bf cd 19 40 00          mov    $0x4019cd,%edi
400dd3:     b8 00 00 00 00          mov    $0x0,%eax
400dd8:     e8 d3 fc ff ff          callq  400ab0 <printf@plt>
400ddd:     bf 08 00 00 00          mov    $0x8,%edi
400de2:     e8 09 fd ff ff          callq  400af0 <exit@plt>
400de7:     e8 14 0a 00 00          callq  401800 <initialize_bomb>
400dec:     bf 38 1a 40 00          mov    $0x401a38,%edi
400df1:     e8 ea fc ff ff          callq  400ae0 <puts@plt>
400df6:     bf 78 1a 40 00          mov    $0x401a78,%edi
400dfb:     e8 e0 fc ff ff          callq  400ae0 <puts@plt>
400e00:     e8 cc 07 00 00          callq  4015d1 <read_line>
400e05:     48 89 c7                mov    %rax,%rdi
400e08:     e8 5e 03 00 00          callq  40116b <phase_1>
400e0d:     e8 42 06 00 00          callq  401454 <phase_defused>
400e12:     bf a8 1a 40 00          mov    $0x401aa8,%edi
400e17:     e8 c4 fc ff ff          callq  400ae0 <puts@plt>
400e1c:     e8 b0 07 00 00          callq  4015d1 <read_line>
400e21:     48 89 c7                mov    %rax,%rdi
400e24:     e8 d1 02 00 00          callq  4010fa <phase_2>
400e29:     e8 26 06 00 00          callq  401454 <phase_defused>
400e2e:     bf e7 19 40 00          mov    $0x4019e7,%edi
400e33:     e8 a8 fc ff ff          callq  400ae0 <puts@plt>
400e38:     e8 94 07 00 00          callq  4015d1 <read_line>
400e3d:     48 89 c7                mov    %rax,%rdi
400e40:     e8 1f 02 00 00          callq  401064 <phase_3>
400e45:     e8 0a 06 00 00          callq  401454 <phase_defused>
```

```
400e4a:        bf 05 1a 40 00          mov    $0x401a05,%edi
400e4f:        e8 8c fc ff ff          callq  400ae0 <puts@plt>
400e54:        e8 78 07 00 00          callq  4015d1 <read_line>
400e59:        48 89 c7                mov    %rax,%rdi
400e5c:        e8 c0 01 00 00          callq  401021 <phase_4>
400e61:        e8 ee 05 00 00          callq  401454 <phase_defused>
400e66:        bf d8 1a 40 00          mov    $0x401ad8,%edi
400e6b:        e8 70 fc ff ff          callq  400ae0 <puts@plt>
400e70:        e8 5c 07 00 00          callq  4015d1 <read_line>
400e75:        48 89 c7                mov    %rax,%rdi
400e78:        e8 5d 01 00 00          callq  400fda <phase_5>
400e7d:        e8 d2 05 00 00          callq  401454 <phase_defused>
400e82:        bf 14 1a 40 00          mov    $0x401a14,%edi
400e87:        e8 54 fc ff ff          callq  400ae0 <puts@plt>
400e8c:        e8 40 07 00 00          callq  4015d1 <read_line>
400e91:        48 89 c7                mov    %rax,%rdi
400e94:        e8 ee 02 00 00          callq  401187 <phase_6>
400e99:        e8 b6 05 00 00          callq  401454 <phase_defused>
400e9e:        b8 00 00 00 00          mov    $0x0,%eax
400ea3:        5b                      pop    %rbx
400ea4:        c3                      retq
400ea5:        90                      nop
400ea6:        90                      nop
400ea7:        90                      nop
400ea8:        90                      nop
400ea9:        90                      nop
400eaa:        90                      nop
400eab:        90                      nop
400eac:        90                      nop
400ead:        90                      nop
400eae:        90                      nop
400eaf:        90                      nop

0000000000400eb0 <func4>:
400eb0:        48 89 5c 24 f0          mov    %rbx,0xfffffffffffffff0(%rsp)
400eb5:        48 89 6c 24 f8          mov    %rbp,0xfffffffffffffff8(%rsp)
400eba:        48 83 ec 10             sub    $0x10,%rsp
400ebe:        89 fd                   mov    %edi,%ebp
400ec0:        b8 01 00 00 00          mov    $0x1,%eax
400ec5:        83 ff 01                cmp    $0x1,%edi
400ec8:        7e 14                   jle    400ede <func4+0x2e>
400eca:        8d 7d ff                lea    0xffffffffffffffff(%rbp),%edi
400ecd:        e8 de ff ff ff          callq  400eb0 <func4>
400ed2:        89 c3                   mov    %eax,%ebx
400ed4:        8d 7d fe                lea    0xfffffffffffffffe(%rbp),%edi
400ed7:        e8 d4 ff ff ff          callq  400eb0 <func4>
400edc:        01 d8                   add    %ebx,%eax
400ede:        48 8b 1c 24             mov    (%rsp),%rbx
400ee2:        48 8b 6c 24 08          mov    0x8(%rsp),%rbp
400ee7:        48 83 c4 10             add    $0x10,%rsp
400eeb:        c3                      retq

0000000000400eec <fun6>:
400eec:        48 8b 77 08             mov    0x8(%rdi),%rsi
400ef0:        48 c7 47 08 00 00 00    movq   $0x0,0x8(%rdi)
400ef7:        00
400ef8:        49 89 f8                mov    %rdi,%r8
400efb:        48 89 f8                mov    %rdi,%rax
400efe:        48 89 fa                mov    %rdi,%rdx
400f01:        48 85 f6                test   %rsi,%rsi
400f04:        75 36                   jne    400f3c <fun6+0x50>
400f06:        eb 41                   jmp    400f49 <fun6+0x5d>
400f08:        48 89 d0                mov    %rdx,%rax
400f0b:        48 8b 52 08             mov    0x8(%rdx),%rdx
400f0f:        48 85 d2                test   %rdx,%rdx
400f12:        74 04                   je     400f18 <fun6+0x2c>
400f14:        39 0a                   cmp    %ecx,(%rdx)
400f16:        7f f0                   jg     400f08 <fun6+0x1c>
400f18:        48 39 d0                cmp    %rdx,%rax
400f1b:        75 05                   jne    400f22 <fun6+0x36>
400f1d:        49 89 f0                mov    %rsi,%r8
400f20:        eb 04                   jmp    400f26 <fun6+0x3a>
400f22:        48 89 70 08             mov    %rsi,0x8(%rax)
400f26:        48 8b 46 08             mov    0x8(%rsi),%rax
400f2a:        48 89 56 08             mov    %rdx,0x8(%rsi)
400f2e:        48 89 c6                mov    %rax,%rsi
400f31:        4c 89 c2                mov    %r8,%rdx
```

```
400f34:      4c 89 c0                mov    %r8,%rax
400f37:      48 85 f6                test   %rsi,%rsi
400f3a:      74 0d                   je     400f49 <fun6+0x5d>
400f3c:      48 85 d2                test   %rdx,%rdx
400f3f:      74 d7                   je     400f18 <fun6+0x2c>
400f41:      8b 0e                   mov    (%rsi),%ecx
400f43:      39 0a                   cmp    %ecx,(%rdx)
400f45:      7f c1                   jg     400f08 <fun6+0x1c>
400f47:      eb cf                   jmp    400f18 <fun6+0x2c>
400f49:      4c 89 c0                mov    %r8,%rax
400f4c:      0f 1f 40 00             nopl   0x0(%rax)
400f50:      c3                      retq

0000000000400f51 <fun7>:
400f51:      b8 ff ff ff ff          mov    $0xffffffff,%eax
400f56:      48 85 ff                test   %rdi,%rdi
400f59:      74 28                   je     400f83 <fun7+0x32>
400f5b:      8b 17                   mov    (%rdi),%edx
400f5d:      39 f2                   cmp    %esi,%edx
400f5f:      7e 0c                   jle    400f6d <fun7+0x1c>
400f61:      48 8b 7f 08             mov    0x8(%rdi),%rdi
400f65:      e8 e7 ff ff ff          callq  400f51 <fun7>
400f6a:      01 c0                   add    %eax,%eax
400f6c:      c3                      retq
400f6d:      b8 00 00 00 00          mov    $0x0,%eax
400f72:      39 f2                   cmp    %esi,%edx
400f74:      74 0d                   je     400f83 <fun7+0x32>
400f76:      48 8b 7f 10             mov    0x10(%rdi),%rdi
400f7a:      e8 d2 ff ff ff          callq  400f51 <fun7>
400f7f:      8d 44 00 01             lea    0x1(%rax,%rax,1),%eax
400f83:      f3 c3                   repz retq

0000000000400f85 <secret_phase>:
400f85:      53                      push   %rbx
400f86:      e8 46 06 00 00          callq  4015d1 <read_line>
400f8b:      48 89 c7                mov    %rax,%rdi
400f8e:      b9 00 00 00 00          mov    $0x0,%ecx
400f93:      ba 0a 00 00 00          mov    $0xa,%edx
400f98:      be 00 00 00 00          mov    $0x0,%esi
400f9d:      e8 fe fb ff ff          callq  400ba0 <__strtol_internal@plt>
400fa2:      89 c3                   mov    %eax,%ebx
400fa4:      8d 40 ff                lea    0xffffffffffffffff(%rax),%eax
400fa7:      3d e8 03 00 00          cmp    $0x3e8,%eax
400fac:      76 05                   jbe    400fb3 <secret_phase+0x2e>
400fae:      e8 28 05 00 00          callq  4014db <explode_bomb>
400fb3:      89 de                   mov    %ebx,%esi
400fb5:      bf d0 2c 60 00          mov    $0x602cd0,%edi
400fba:      e8 92 ff ff ff          callq  400f51 <fun7>
400fbf:      83 f8 03                cmp    $0x3,%eax
400fc2:      74 05                   je     400fc9 <secret_phase+0x44>
400fc4:      e8 12 05 00 00          callq  4014db <explode_bomb>
400fc9:      bf 00 1b 40 00          mov    $0x401b00,%edi
400fce:      e8 0d fb ff ff          callq  400ae0 <puts@plt>
400fd3:      e8 7c 04 00 00          callq  401454 <phase_defused>
400fd8:      5b                      pop    %rbx
400fd9:      c3                      retq

0000000000400fda <phase_5>:
400fda:      53                      push   %rbx
400fdb:      48 89 fb                mov    %rdi,%rbx
400fde:      e8 dd 01 00 00          callq  4011c0 <string_length>
400fe3:      83 f8 06                cmp    $0x6,%eax
400fe6:      74 05                   je     400fed <phase_5+0x13>
400fe8:      e8 ee 04 00 00          callq  4014db <explode_bomb>
400fed:      b9 00 00 00 00          mov    $0x0,%ecx
400ff2:      ba 00 00 00 00          mov    $0x0,%edx
400ff7:      48 0f be 04 1a          movsbq (%rdx,%rbx,1),%rax
400ffc:      83 e0 0f                and    $0xf,%eax
400fff:      03 0c 85 a0 1b 40 00    add    0x401ba0(,%rax,4),%ecx
401006:      48 83 c2 01             add    $0x1,%rdx
40100a:      48 83 fa 06             cmp    $0x6,%rdx
40100e:      75 e7                   jne    400ff7 <phase_5+0x1d>
401010:      83 f9 3c                cmp    $0x3c,%ecx
401013:      74 05                   je     40101a <phase_5+0x40>
401015:      e8 c1 04 00 00          callq  4014db <explode_bomb>
40101a:      5b                      pop    %rbx
40101b:      0f 1f 44 00 00          nopl   0x0(%rax,%rax,1)
```

```
  401020:       c3                         retq

0000000000401021 <phase_4>:
  401021:       48 83 ec 18                sub    $0x18,%rsp
  401025:       48 8d 54 24 14             lea    0x14(%rsp),%rdx
  40102a:       be 4f 1d 40 00             mov    $0x401d4f,%esi
  40102f:       b8 00 00 00 00             mov    $0x0,%eax
  401034:       e8 77 fb ff ff             callq  400bb0 <sscanf@plt>
  401039:       83 f8 01                   cmp    $0x1,%eax
  40103c:       75 07                      jne    401045 <phase_4+0x24>
  40103e:       83 7c 24 14 00             cmpl   $0x0,0x14(%rsp)
  401043:       7f 05                      jg     40104a <phase_4+0x29>
  401045:       e8 91 04 00 00             callq  4014db <explode_bomb>
  40104a:       8b 7c 24 14                mov    0x14(%rsp),%edi
  40104e:       e8 5d fe ff ff             callq  400eb0 <func4>
  401053:       3d 62 02 00 00             cmp    $0x262,%eax
  401058:       74 05                      je     40105f <phase_4+0x3e>
  40105a:       e8 7c 04 00 00             callq  4014db <explode_bomb>
  40105f:       48 83 c4 18                add    $0x18,%rsp
  401063:       c3                         retq

0000000000401064 <phase_3>:
  401064:       48 83 ec 18                sub    $0x18,%rsp
  401068:       48 8d 4c 24 10             lea    0x10(%rsp),%rcx
  40106d:       48 8d 54 24 14             lea    0x14(%rsp),%rdx
  401072:       be 4c 1d 40 00             mov    $0x401d4c,%esi
  401077:       b8 00 00 00 00             mov    $0x0,%eax
  40107c:       e8 2f fb ff ff             callq  400bb0 <sscanf@plt>
  401081:       83 f8 01                   cmp    $0x1,%eax
  401084:       7f 05                      jg     40108b <phase_3+0x27>
  401086:       e8 50 04 00 00             callq  4014db <explode_bomb>
  40108b:       83 7c 24 14 07             cmpl   $0x7,0x14(%rsp)
  401090:       77 47                      ja     4010d9 <phase_3+0x75>
  401092:       8b 44 24 14                mov    0x14(%rsp),%eax
  401096:       ff 24 c5 60 1b 40 00       jmpq   *0x401b60(,%rax,8)
  40109d:       b8 e9 01 00 00             mov    $0x1e9,%eax
  4010a2:       eb 46                      jmp    4010ea <phase_3+0x86>
  4010a4:       b8 16 03 00 00             mov    $0x316,%eax
  4010a9:       eb 3f                      jmp    4010ea <phase_3+0x86>
  4010ab:       b8 b8 00 00 00             mov    $0xb8,%eax
  4010b0:       eb 38                      jmp    4010ea <phase_3+0x86>
  4010b2:       b8 e3 01 00 00             mov    $0x1e3,%eax
  4010b7:       eb 31                      jmp    4010ea <phase_3+0x86>
  4010b9:       b8 c7 00 00 00             mov    $0xc7,%eax
  4010be:       66 90                      xchg   %ax,%ax
  4010c0:       eb 28                      jmp    4010ea <phase_3+0x86>
  4010c2:       b8 d1 00 00 00             mov    $0xd1,%eax
  4010c7:       eb 21                      jmp    4010ea <phase_3+0x86>
  4010c9:       b8 08 03 00 00             mov    $0x308,%eax
  4010ce:       66 90                      xchg   %ax,%ax
  4010d0:       eb 18                      jmp    4010ea <phase_3+0x86>
  4010d2:       b8 94 01 00 00             mov    $0x194,%eax
  4010d7:       eb 11                      jmp    4010ea <phase_3+0x86>
  4010d9:       0f 1f 80 00 00 00 00       nopl   0x0(%rax)
  4010e0:       e8 f6 03 00 00             callq  4014db <explode_bomb>
  4010e5:       b8 00 00 00 00             mov    $0x0,%eax
  4010ea:       3b 44 24 10                cmp    0x10(%rsp),%eax
  4010ee:       74 05                      je     4010f5 <phase_3+0x91>
  4010f0:       e8 e6 03 00 00             callq  4014db <explode_bomb>
  4010f5:       48 83 c4 18                add    $0x18,%rsp
  4010f9:       c3                         retq

00000000004010fa <phase_2>:
  4010fa:       48 89 5c 24 e0             mov    %rbx,0xffffffffffffffe0(%rsp)
  4010ff:       48 89 6c 24 e8             mov    %rbp,0xffffffffffffffe8(%rsp)
  401104:       4c 89 64 24 f0             mov    %r12,0xfffffffffffffff0(%rsp)
  401109:       4c 89 6c 24 f8             mov    %r13,0xfffffffffffffff8(%rsp)
  40110e:       48 83 ec 48                sub    $0x48,%rsp
  401112:       48 89 e3                   mov    %rsp,%rbx
  401115:       48 89 e6                   mov    %rsp,%rsi
  401118:       e8 f4 03 00 00             callq  401511 <read_six_numbers>
  40111d:       41 bc 00 00 00 00          mov    $0x0,%r12d
  401123:       48 83 c3 0c                add    $0xc,%rbx
  401127:       4c 8d 6c 24 18             lea    0x18(%rsp),%r13
  40112c:       48 89 dd                   mov    %rbx,%rbp
  40112f:       8b 43 f4                   mov    0xfffffffffffffff4(%rbx),%eax
  401132:       3b 03                      cmp    (%rbx),%eax
```

```
  401134:        74 05                        je      40113b <phase_2+0x41>
  401136:        e8 a0 03 00 00               callq   4014db <explode_bomb>
  40113b:        44 03 65 f4                  add     0xfffffffffffffff4(%rbp),%r12d
  40113f:        48 83 c3 04                  add     $0x4,%rbx
  401143:        4c 39 eb                     cmp     %r13,%rbx
  401146:        75 e4                        jne     40112c <phase_2+0x32>
  401148:        45 85 e4                     test    %r12d,%r12d
  40114b:        75 05                        jne     401152 <phase_2+0x58>
  40114d:        e8 89 03 00 00               callq   4014db <explode_bomb>
  401152:        48 8b 5c 24 28               mov     0x28(%rsp),%rbx
  401157:        48 8b 6c 24 30               mov     0x30(%rsp),%rbp
  40115c:        4c 8b 64 24 38               mov     0x38(%rsp),%r12
  401161:        4c 8b 6c 24 40               mov     0x40(%rsp),%r13
  401166:        48 83 c4 48                  add     $0x48,%rsp
  40116a:        c3                           retq

000000000040116b <phase_1>:
  40116b:        48 83 ec 08                  sub     $0x8,%rsp
  40116f:        be 28 1b 40 00               mov     $0x401b28,%esi
  401174:        e8 66 00 00 00               callq   4011df <strings_not_equal>
  401179:        85 c0                        test    %eax,%eax
  40117b:        74 05                        je      401182 <phase_1+0x17>
  40117d:        e8 59 03 00 00               callq   4014db <explode_bomb>
  401182:        48 83 c4 08                  add     $0x8,%rsp
  401186:        c3                           retq

0000000000401187 <phase_6>:
  401187:        53                           push    %rbx
  401188:        b9 00 00 00 00               mov     $0x0,%ecx
  40118d:        ba 0a 00 00 00               mov     $0xa,%edx
  401192:        be 00 00 00 00               mov     $0x0,%esi
  401197:        e8 04 fa ff ff               callq   400ba0 <__strtol_internal@plt>
  40119c:        48 89 c3                     mov     %rax,%rbx
  40119f:        bf 00 2b 60 00               mov     $0x602b00,%edi
  4011a4:        e8 43 fd ff ff               callq   400eec <fun6>
  4011a9:        48 8b 40 08                  mov     0x8(%rax),%rax
  4011ad:        48 8b 40 08                  mov     0x8(%rax),%rax
  4011b1:        48 8b 40 08                  mov     0x8(%rax),%rax
  4011b5:        39 18                        cmp     %ebx,(%rax)
  4011b7:        74 05                        je      4011be <phase_6+0x37>
  4011b9:        e8 1d 03 00 00               callq   4014db <explode_bomb>
  4011be:        5b                           pop     %rbx
  4011bf:        c3                           retq

00000000004011c0 <string_length>:
  4011c0:        b8 00 00 00 00               mov     $0x0,%eax
  4011c5:        80 3f 00                     cmpb    $0x0,(%rdi)
  4011c8:        74 13                        je      4011dd <string_length+0x1d>
  4011ca:        48 89 fa                     mov     %rdi,%rdx
  4011cd:        0f b6 42 01                  movzbl  0x1(%rdx),%eax
  4011d1:        48 83 c2 01                  add     $0x1,%rdx
  4011d5:        84 c0                        test    %al,%al
  4011d7:        75 f4                        jne     4011cd <string_length+0xd>
  4011d9:        89 d0                        mov     %edx,%eax
  4011db:        29 f8                        sub     %edi,%eax
  4011dd:        f3 c3                        repz retq

00000000004011df <strings_not_equal>:
  4011df:        41 54                        push    %r12
  4011e1:        55                           push    %rbp
  4011e2:        53                           push    %rbx
  4011e3:        48 89 fd                     mov     %rdi,%rbp
  4011e6:        49 89 f4                     mov     %rsi,%r12
  4011e9:        e8 d2 ff ff ff               callq   4011c0 <string_length>
  4011ee:        89 c3                        mov     %eax,%ebx
  4011f0:        4c 89 e7                     mov     %r12,%rdi
  4011f3:        e8 c8 ff ff ff               callq   4011c0 <string_length>
  4011f8:        39 c3                        cmp     %eax,%ebx
  4011fa:        75 32                        jne     40122e <strings_not_equal+0x4f>
  4011fc:        0f b6 45 00                  movzbl  0x0(%rbp),%eax
  401200:        84 c0                        test    %al,%al
  401202:        74 31                        je      401235 <strings_not_equal+0x56>
  401204:        48 89 e9                     mov     %rbp,%rcx
  401207:        4c 89 e2                     mov     %r12,%rdx
  40120a:        41 3a 04 24                  cmp     (%r12),%al
  40120e:        74 13                        je      401223 <strings_not_equal+0x44>
  401210:        eb 1c                        jmp     40122e <strings_not_equal+0x4f>
```

```
401212:        0f b6 42 01             movzbl 0x1(%rdx),%eax
401216:        48 83 c1 01             add    $0x1,%rcx
40121a:        48 83 c2 01             add    $0x1,%rdx
40121e:        40 38 c6                cmp    %al,%sil
401221:        75 0b                   jne    40122e <strings_not_equal+0x4f>
401223:        0f b6 71 01             movzbl 0x1(%rcx),%esi
401227:        40 84 f6                test   %sil,%sil
40122a:        75 e6                   jne    401212 <strings_not_equal+0x33>
40122c:        eb 07                   jmp    401235 <strings_not_equal+0x56>
40122e:        b8 01 00 00 00          mov    $0x1,%eax
401233:        eb 05                   jmp    40123a <strings_not_equal+0x5b>
401235:        b8 00 00 00 00          mov    $0x0,%eax
40123a:        5b                      pop    %rbx
40123b:        5d                      pop    %rbp
40123c:        41 5c                   pop    %r12
40123e:        66 90                   xchg   %ax,%ax
401240:        c3                      retq

0000000000401241 <send_msg>:
401241:        41 56                   push   %r14
401243:        41 55                   push   %r13
401245:        41 54                   push   %r12
401247:        55                      push   %rbp
401248:        53                      push   %rbx
401249:        48 83 ec 60             sub    $0x60,%rsp
40124d:        89 fb                   mov    %edi,%ebx
40124f:        bf 00 00 00 00          mov    $0x0,%edi
401254:        e8 d7 f8 ff ff          callq  400b30 <dup@plt>
401259:        41 89 c6                mov    %eax,%r14d
40125c:        83 f8 ff                cmp    $0xffffffffffffffff,%eax
40125f:        75 14                   jne    401275 <send_msg+0x34>
401261:        bf e0 1b 40 00          mov    $0x401be0,%edi
401266:        e8 75 f8 ff ff          callq  400ae0 <puts@plt>
40126b:        bf 08 00 00 00          mov    $0x8,%edi
401270:        e8 7b f8 ff ff          callq  400af0 <exit@plt>
401275:        bf 00 00 00 00          mov    $0x0,%edi
40127a:        e8 41 f8 ff ff          callq  400ac0 <close@plt>
40127f:        83 f8 ff                cmp    $0xffffffffffffffff,%eax
401282:        75 14                   jne    401298 <send_msg+0x57>
401284:        bf f4 1b 40 00          mov    $0x401bf4,%edi
401289:        e8 52 f8 ff ff          callq  400ae0 <puts@plt>
40128e:        bf 08 00 00 00          mov    $0x8,%edi
401293:        e8 58 f8 ff ff          callq  400af0 <exit@plt>
401298:        e8 63 f9 ff ff          callq  400c00 <tmpfile@plt>
40129d:        49 89 c4                mov    %rax,%r12
4012a0:        48 85 c0                test   %rax,%rax
4012a3:        75 14                   jne    4012b9 <send_msg+0x78>
4012a5:        bf 07 1c 40 00          mov    $0x401c07,%edi
4012aa:        e8 31 f8 ff ff          callq  400ae0 <puts@plt>
4012af:        bf 08 00 00 00          mov    $0x8,%edi
4012b4:        e8 37 f8 ff ff          callq  400af0 <exit@plt>
4012b9:        48 89 c1                mov    %rax,%rcx
4012bc:        ba 1b 00 00 00          mov    $0x1b,%edx
4012c1:        be 01 00 00 00          mov    $0x1,%esi
4012c6:        bf 1c 1c 40 00          mov    $0x401c1c,%edi
4012cb:        e8 a0 f9 ff ff          callq  400c70 <fwrite@plt>
4012d0:        4c 89 e6                mov    %r12,%rsi
4012d3:        bf 0a 00 00 00          mov    $0xa,%edi
4012d8:        e8 83 f8 ff ff          callq  400b60 <fputc@plt>
4012dd:        bf 00 00 00 00          mov    $0x0,%edi
4012e2:        e8 59 f9 ff ff          callq  400c40 <cuserid@plt>
4012e7:        48 85 c0                test   %rax,%rax
4012ea:        75 16                   jne    401302 <send_msg+0xc1>
4012ec:        c7 44 24 10 6e 6f 62    movl   $0x6f626f6e,0x10(%rsp)
4012f3:        6f
4012f4:        66 c7 44 24 14 64 79    movw   $0x7964,0x14(%rsp)
4012fb:        c6 44 24 16 00          movb   $0x0,0x16(%rsp)
401300:        eb 0d                   jmp    40130f <send_msg+0xce>
401302:        48 8d 7c 24 10          lea    0x10(%rsp),%rdi
401307:        48 89 c6                mov    %rax,%rsi
40130a:        e8 41 f9 ff ff          callq  400c50 <strcpy@plt>
40130f:        85 db                   test   %ebx,%ebx
401311:        41 b9 40 1c 40 00       mov    $0x401c40,%r9d
401317:        b8 38 1c 40 00          mov    $0x401c38,%eax
40131c:        4c 0f 45 c8             cmovne %rax,%r9
401320:        8b 05 76 1c 20 00       mov    2104438(%rip),%eax        # 602f9c <num_input_strings>
401326:        89 04 24                mov    %eax,(%rsp)
```

```
401329:      4c 8d 44 24 10         lea     0x10(%rsp),%r8
40132e:      8b 0d 2c 13 20 00      mov     2102060(%rip),%ecx        # 602660 <bomb_id>
401334:      ba 80 26 60 00         mov     $0x602680,%edx
401339:      be 49 1c 40 00         mov     $0x401c49,%esi
40133e:      4c 89 e7               mov     %r12,%rdi
401341:      b8 00 00 00 00         mov     $0x0,%eax
401346:      e8 35 f9 ff ff         callq   400c80 <fprintf@plt>
40134b:      83 3d 4a 1c 20 00 00   cmpl    $0x0,2104394(%rip)        # 602f9c <num_input_strings>
401352:      7e 45                  jle     401399 <send_msg+0x158>
401354:      bd c0 2f 60 00         mov     $0x602fc0,%ebp
401359:      bb 00 00 00 00         mov     $0x0,%ebx
40135e:      4c 8d 6c 24 10         lea     0x10(%rsp),%r13
401363:      83 c3 01               add     $0x1,%ebx
401366:      48 89 2c 24            mov     %rbp,(%rsp)
40136a:      41 89 d9               mov     %ebx,%r9d
40136d:      4d 89 e8               mov     %r13,%r8
401370:      8b 0d ea 12 20 00      mov     2101994(%rip),%ecx        # 602660 <bomb_id>
401376:      ba 80 26 60 00         mov     $0x602680,%edx
40137b:      be 65 1c 40 00         mov     $0x401c65,%esi
401380:      4c 89 e7               mov     %r12,%rdi
401383:      b8 00 00 00 00         mov     $0x0,%eax
401388:      e8 f3 f8 ff ff         callq   400c80 <fprintf@plt>
40138d:      48 83 c5 50            add     $0x50,%rbp
401391:      39 1d 05 1c 20 00      cmp     %ebx,2104325(%rip)        # 602f9c <num_input_strings>
401397:      7f ca                  jg      401363 <send_msg+0x122>
401399:      4c 89 e7               mov     %r12,%rdi
40139c:      e8 2f f8 ff ff         callq   400bd0 <rewind@plt>
4013a1:      41 b8 13 1e 40 00      mov     $0x401e13,%r8d
4013a7:      b9 81 1c 40 00         mov     $0x401c81,%ecx
4013ac:      ba 88 1c 40 00         mov     $0x401c88,%edx
4013b1:      be 9f 1c 40 00         mov     $0x401c9f,%esi
4013b6:      bf 00 36 60 00         mov     $0x603600,%edi
4013bb:      b8 00 00 00 00         mov     $0x0,%eax
4013c0:      e8 cb f7 ff ff         callq   400b90 <sprintf@plt>
4013c5:      bf 00 36 60 00         mov     $0x603600,%edi
4013ca:      e8 71 f7 ff ff         callq   400b40 <system@plt>
4013cf:      85 c0                  test    %eax,%eax
4013d1:      74 14                  je      4013e7 <send_msg+0x1a6>
4013d3:      bf a8 1c 40 00         mov     $0x401ca8,%edi
4013d8:      e8 03 f7 ff ff         callq   400ae0 <puts@plt>
4013dd:      bf 08 00 00 00         mov     $0x8,%edi
4013e2:      e8 09 f7 ff ff         callq   400af0 <exit@plt>
4013e7:      4c 89 e7               mov     %r12,%rdi
4013ea:      e8 71 f8 ff ff         callq   400c60 <fclose@plt>
4013ef:      85 c0                  test    %eax,%eax
4013f1:      74 14                  je      401407 <send_msg+0x1c6>
4013f3:      bf c2 1c 40 00         mov     $0x401cc2,%edi
4013f8:      e8 e3 f6 ff ff         callq   400ae0 <puts@plt>
4013fd:      bf 08 00 00 00         mov     $0x8,%edi
401402:      e8 e9 f6 ff ff         callq   400af0 <exit@plt>
401407:      44 89 f7               mov     %r14d,%edi
40140a:      e8 21 f7 ff ff         callq   400b30 <dup@plt>
40140f:      85 c0                  test    %eax,%eax
401411:      74 14                  je      401427 <send_msg+0x1e6>
401413:      bf db 1c 40 00         mov     $0x401cdb,%edi
401418:      e8 c3 f6 ff ff         callq   400ae0 <puts@plt>
40141d:      bf 08 00 00 00         mov     $0x8,%edi
401422:      e8 c9 f6 ff ff         callq   400af0 <exit@plt>
401427:      44 89 f7               mov     %r14d,%edi
40142a:      e8 91 f6 ff ff         callq   400ac0 <close@plt>
40142f:      85 c0                  test    %eax,%eax
401431:      74 14                  je      401447 <send_msg+0x206>
401433:      bf f6 1c 40 00         mov     $0x401cf6,%edi
401438:      e8 a3 f6 ff ff         callq   400ae0 <puts@plt>
40143d:      bf 08 00 00 00         mov     $0x8,%edi
401442:      e8 a9 f6 ff ff         callq   400af0 <exit@plt>
401447:      48 83 c4 60            add     $0x60,%rsp
40144b:      5b                     pop     %rbx
40144c:      5d                     pop     %rbp
40144d:      41 5c                  pop     %r12
40144f:      41 5d                  pop     %r13
401451:      41 5e                  pop     %r14
401453:      c3                     retq

0000000000401454 <phase_defused>:
401454:      53                     push    %rbx
401455:      48 83 ec 60            sub     $0x60,%rsp
```

```
401459:        bf 01 00 00 00          mov     $0x1,%edi
40145e:        e8 de fd ff ff          callq   401241 <send_msg>
401463:        83 3d 32 1b 20 00 06    cmpl    $0x6,2104114(%rip)        # 602f9c <num_input_strings>
40146a:        75 69                   jne     4014d5 <phase_defused+0x81>
40146c:        48 8d 5c 24 10          lea     0x10(%rsp),%rbx
401471:        48 8d 54 24 0c          lea     0xc(%rsp),%rdx
401476:        48 89 d9                mov     %rbx,%rcx
401479:        be 0d 1d 40 00          mov     $0x401d0d,%esi
40147e:        bf b0 30 60 00          mov     $0x6030b0,%edi
401483:        b8 00 00 00 00          mov     $0x0,%eax
401488:        e8 23 f7 ff ff          callq   400bb0 <sscanf@plt>
40148d:        83 f8 02                cmp     $0x2,%eax
401490:        75 2f                   jne     4014c1 <phase_defused+0x6d>
401492:        be 13 1d 40 00          mov     $0x401d13,%esi
401497:        48 89 df                mov     %rbx,%rdi
40149a:        e8 40 fd ff ff          callq   4011df <strings_not_equal>
40149f:        85 c0                   test    %eax,%eax
4014a1:        75 1e                   jne     4014c1 <phase_defused+0x6d>
4014a3:        bf 50 1e 40 00          mov     $0x401e50,%edi
4014a8:        e8 33 f6 ff ff          callq   400ae0 <puts@plt>
4014ad:        bf 78 1e 40 00          mov     $0x401e78,%edi
4014b2:        e8 29 f6 ff ff          callq   400ae0 <puts@plt>
4014b7:        b8 00 00 00 00          mov     $0x0,%eax
4014bc:        e8 c4 fa ff ff          callq   400f85 <secret_phase>
4014c1:        bf b0 1e 40 00          mov     $0x401eb0,%edi
4014c6:        e8 15 f6 ff ff          callq   400ae0 <puts@plt>
4014cb:        bf e0 1e 40 00          mov     $0x401ee0,%edi
4014d0:        e8 0b f6 ff ff          callq   400ae0 <puts@plt>
4014d5:        48 83 c4 60             add     $0x60,%rsp
4014d9:        5b                      pop     %rbx
4014da:        c3                      retq

00000000004014db <explode_bomb>:
4014db:        48 83 ec 08             sub     $0x8,%rsp
4014df:        bf 20 1d 40 00          mov     $0x401d20,%edi
4014e4:        e8 f7 f5 ff ff          callq   400ae0 <puts@plt>
4014e9:        bf 29 1d 40 00          mov     $0x401d29,%edi
4014ee:        e8 ed f5 ff ff          callq   400ae0 <puts@plt>
4014f3:        bf 00 00 00 00          mov     $0x0,%edi
4014f8:        e8 44 fd ff ff          callq   401241 <send_msg>
4014fd:        bf 28 1f 40 00          mov     $0x401f28,%edi
401502:        e8 d9 f5 ff ff          callq   400ae0 <puts@plt>
401507:        bf 08 00 00 00          mov     $0x8,%edi
40150c:        e8 df f5 ff ff          callq   400af0 <exit@plt>

0000000000401511 <read_six_numbers>:
401511:        48 83 ec 18             sub     $0x18,%rsp
401515:        48 8d 4e 04             lea     0x4(%rsi),%rcx
401519:        48 8d 46 14             lea     0x14(%rsi),%rax
40151d:        48 89 44 24 08          mov     %rax,0x8(%rsp)
401522:        48 8d 46 10             lea     0x10(%rsi),%rax
401526:        48 89 04 24             mov     %rax,(%rsp)
40152a:        4c 8d 4e 0c             lea     0xc(%rsi),%r9
40152e:        4c 8d 46 08             lea     0x8(%rsi),%r8
401532:        48 89 f2                mov     %rsi,%rdx
401535:        be 40 1d 40 00          mov     $0x401d40,%esi
40153a:        b8 00 00 00 00          mov     $0x0,%eax
40153f:        e8 6c f6 ff ff          callq   400bb0 <sscanf@plt>
401544:        83 f8 05                cmp     $0x5,%eax
401547:        7f 05                   jg      40154e <read_six_numbers+0x3d>
401549:        e8 8d ff ff ff          callq   4014db <explode_bomb>
40154e:        48 83 c4 18             add     $0x18,%rsp
401552:        c3                      retq

0000000000401553 <blank_line>:
401553:        55                      push    %rbp
401554:        53                      push    %rbx
401555:        48 83 ec 08             sub     $0x8,%rsp
401559:        48 89 fd                mov     %rdi,%rbp
40155c:        eb 1e                   jmp     40157c <blank_line+0x29>
40155e:        e8 1d f6 ff ff          callq   400b80 <__ctype_b_loc@plt>
401563:        48 0f be d3             movsbq  %bl,%rdx
401567:        48 8b 00                mov     (%rax),%rax
40156a:        f6 44 50 01 20          testb   $0x20,0x1(%rax,%rdx,2)
40156f:        75 07                   jne     401578 <blank_line+0x25>
401571:        b8 00 00 00 00          mov     $0x0,%eax
401576:        eb 11                   jmp     401589 <blank_line+0x36>
```

```
401578:        48 83 c5 01             add     $0x1,%rbp
40157c:        0f b6 5d 00             movzbl  0x0(%rbp),%ebx
401580:        84 db                   test    %bl,%bl
401582:        75 da                   jne     40155e <blank_line+0xb>
401584:        b8 01 00 00 00          mov     $0x1,%eax
401589:        48 83 c4 08             add     $0x8,%rsp
40158d:        5b                      pop     %rbx
40158e:        5d                      pop     %rbp
40158f:        c3                      retq

0000000000401590 <skip>:
401590:        53                      push    %rbx
401591:        48 63 3d 04 1a 20 00    movslq  2103812(%rip),%rdi       # 602f9c <num_input_strings>
401598:        48 8d 3c bf             lea     (%rdi,%rdi,4),%rdi
40159c:        48 c1 e7 04             shl     $0x4,%rdi
4015a0:        48 81 c7 c0 2f 60 00    add     $0x602fc0,%rdi
4015a7:        48 8b 15 f2 19 20 00    mov     2103794(%rip),%rdx       # 602fa0 <infile>
4015ae:        be 50 00 00 00          mov     $0x50,%esi
4015b3:        e8 98 f5 ff ff          callq   400b50 <fgets@plt>
4015b8:        48 89 c3                mov     %rax,%rbx
4015bb:        48 85 c0                test    %rax,%rax
4015be:        74 0c                   je      4015cc <skip+0x3c>
4015c0:        48 89 c7                mov     %rax,%rdi
4015c3:        e8 8b ff ff ff          callq   401553 <blank_line>
4015c8:        85 c0                   test    %eax,%eax
4015ca:        75 c5                   jne     401591 <skip+0x1>
4015cc:        48 89 d8                mov     %rbx,%rax
4015cf:        5b                      pop     %rbx
4015d0:        c3                      retq

00000000004015d1 <read_line>:
4015d1:        53                      push    %rbx
4015d2:        b8 00 00 00 00          mov     $0x0,%eax
4015d7:        e8 b4 ff ff ff          callq   401590 <skip>
4015dc:        48 85 c0                test    %rax,%rax
4015df:        75 66                   jne     401647 <read_line+0x76>
4015e1:        48 8b 05 98 19 20 00    mov     2103704(%rip),%rax       # 602f80 <__bss_start>
4015e8:        48 39 05 b1 19 20 00    cmp     %rax,2103729(%rip)       # 602fa0 <infile>
4015ef:        75 11                   jne     401602 <read_line+0x31>
4015f1:        bf 52 1d 40 00          mov     $0x401d52,%edi
4015f6:        e8 e5 f4 ff ff          callq   400ae0 <puts@plt>
4015fb:        e8 db fe ff ff          callq   4014db <explode_bomb>
401600:        eb 45                   jmp     401647 <read_line+0x76>
401602:        bf 70 1d 40 00          mov     $0x401d70,%edi
401607:        e8 24 f6 ff ff          callq   400c30 <getenv@plt>
40160c:        48 85 c0                test    %rax,%rax
40160f:        74 0a                   je      40161b <read_line+0x4a>
401611:        bf 00 00 00 00          mov     $0x0,%edi
401616:        e8 d5 f4 ff ff          callq   400af0 <exit@plt>
40161b:        48 8b 05 5e 19 20 00    mov     2103646(%rip),%rax       # 602f80 <__bss_start>
401622:        48 89 05 77 19 20 00    mov     %rax,2103671(%rip)       # 602fa0 <infile>
401629:        b8 00 00 00 00          mov     $0x0,%eax
40162e:        e8 5d ff ff ff          callq   401590 <skip>
401633:        48 85 c0                test    %rax,%rax
401636:        75 0f                   jne     401647 <read_line+0x76>
401638:        bf 52 1d 40 00          mov     $0x401d52,%edi
40163d:        e8 9e f4 ff ff          callq   400ae0 <puts@plt>
401642:        e8 94 fe ff ff          callq   4014db <explode_bomb>
401647:        48 63 05 4e 19 20 00    movslq  2103630(%rip),%rax       # 602f9c <num_input_strings>
40164e:        48 8d 04 80             lea     (%rax,%rax,4),%rax
401652:        48 c1 e0 04             shl     $0x4,%rax
401656:        48 8d b8 c0 2f 60 00    lea     0x602fc0(%rax),%rdi
40165d:        fc                      cld
40165e:        48 c7 c1 ff ff ff ff    mov     $0xffffffffffffffff,%rcx
401665:        b8 00 00 00 00          mov     $0x0,%eax
40166a:        f2 ae                   repnz scas %es:(%rdi),%al
40166c:        48 f7 d1                not     %rcx
40166f:        8d 59 ff                lea     0xffffffffffffffff(%rcx),%ebx
401672:        83 fb 4f                cmp     $0x4f,%ebx
401675:        75 0f                   jne     401686 <read_line+0xb5>
401677:        bf 7b 1d 40 00          mov     $0x401d7b,%edi
40167c:        e8 5f f4 ff ff          callq   400ae0 <puts@plt>
401681:        e8 55 fe ff ff          callq   4014db <explode_bomb>
401686:        8b 0d 10 19 20 00       mov     2103568(%rip),%ecx       # 602f9c <num_input_strings>
40168c:        8d 53 ff                lea     0xffffffffffffffff(%rbx),%edx
40168f:        48 63 d2                movslq  %edx,%rdx
401692:        48 63 c1                movslq  %ecx,%rax
```

```
401695:      48 8d 04 80              lea     (%rax,%rax,4),%rax
401699:      48 c1 e0 04              shl     $0x4,%rax
40169d:      48 05 c0 2f 60 00        add     $0x602fc0,%rax
4016a3:      c6 04 10 00              movb    $0x0,(%rax,%rdx,1)
4016a7:      83 c1 01                 add     $0x1,%ecx
4016aa:      89 0d ec 18 20 00        mov     %ecx,2103532(%rip)        # 602f9c <num_input_strings>
4016b0:      5b                       pop     %rbx
4016b1:      c3                       retq

00000000004016b2 <invalid_phase>:
4016b2:      48 83 ec 08              sub     $0x8,%rsp
4016b6:      48 89 fe                 mov     %rdi,%rsi
4016b9:      bf 96 1d 40 00           mov     $0x401d96,%edi
4016be:      b8 00 00 00 00           mov     $0x0,%eax
4016c3:      e8 e8 f3 ff ff           callq   400ab0 <printf@plt>
4016c8:      bf 08 00 00 00           mov     $0x8,%edi
4016cd:      e8 1e f4 ff ff           callq   400af0 <exit@plt>

00000000004016d2 <sig_handler>:
4016d2:      48 83 ec 08              sub     $0x8,%rsp
4016d6:      bf 50 1f 40 00           mov     $0x401f50,%edi
4016db:      e8 00 f4 ff ff           callq   400ae0 <puts@plt>
4016e0:      bf 03 00 00 00           mov     $0x3,%edi
4016e5:      e8 d6 f4 ff ff           callq   400bc0 <sleep@plt>
4016ea:      bf a7 1d 40 00           mov     $0x401da7,%edi
4016ef:      b8 00 00 00 00           mov     $0x0,%eax
4016f4:      e8 b7 f3 ff ff           callq   400ab0 <printf@plt>
4016f9:      48 8b 3d 88 18 20 00     mov     2103432(%rip),%rdi        # 602f88 <stdout@@GLIBC_2.2.5\>
401700:      e8 8b f5 ff ff           callq   400c90 <fflush@plt>
401705:      bf 01 00 00 00           mov     $0x1,%edi
40170a:      e8 b1 f4 ff ff           callq   400bc0 <sleep@plt>
40170f:      bf af 1d 40 00           mov     $0x401daf,%edi
401714:      e8 c7 f3 ff ff           callq   400ae0 <puts@plt>
401719:      bf 10 00 00 00           mov     $0x10,%edi
40171e:      e8 cd f3 ff ff           callq   400af0 <exit@plt>

0000000000401723 <open_clientfd>:
401723:      48 89 5c 24 e8           mov     %rbx,0xffffffffffffffe8(%rsp)
401728:      48 89 6c 24 f0           mov     %rbp,0xfffffffffffffff0(%rsp)
40172d:      4c 89 64 24 f8           mov     %r12,0xfffffffffffffff8(%rsp)
401732:      48 83 ec 28              sub     $0x28,%rsp
401736:      48 89 fb                 mov     %rdi,%rbx
401739:      41 89 f4                 mov     %esi,%r12d
40173c:      ba 00 00 00 00           mov     $0x0,%edx
401741:      be 01 00 00 00           mov     $0x1,%esi
401746:      bf 02 00 00 00           mov     $0x2,%edi
40174b:      e8 d0 f4 ff ff           callq   400c20 <socket@plt>
401750:      89 c5                    mov     %eax,%ebp
401752:      85 c0                    test    %eax,%eax
401754:      79 14                    jns     40176a <open_clientfd+0x47>
401756:      bf b7 1d 40 00           mov     $0x401db7,%edi
40175b:      e8 80 f3 ff ff           callq   400ae0 <puts@plt>
401760:      bf 08 00 00 00           mov     $0x8,%edi
401765:      e8 86 f3 ff ff           callq   400af0 <exit@plt>
40176a:      48 89 df                 mov     %rbx,%rdi
40176d:      e8 5e f3 ff ff           callq   400ad0 <gethostbyname@plt>
401772:      48 85 c0                 test    %rax,%rax
401775:      75 14                    jne     40178b <open_clientfd+0x68>
401777:      bf c5 1d 40 00           mov     $0x401dc5,%edi
40177c:      e8 5f f3 ff ff           callq   400ae0 <puts@plt>
401781:      bf 08 00 00 00           mov     $0x8,%edi
401786:      e8 65 f3 ff ff           callq   400af0 <exit@plt>
40178b:      48 c7 04 24 00 00 00     movq    $0x0,(%rsp)
401792:      00
401793:      48 c7 44 24 08 00 00     movq    $0x0,0x8(%rsp)
40179a:      00 00
40179c:      66 c7 04 24 02 00        movw    $0x2,(%rsp)
4017a2:      48 8d 74 24 04           lea     0x4(%rsp),%rsi
4017a7:      48 63 50 14              movslq  0x14(%rax),%rdx
4017ab:      48 8b 40 18              mov     0x18(%rax),%rax
4017af:      48 8b 38                 mov     (%rax),%rdi
4017b2:      e8 b9 f3 ff ff           callq   400b70 <bcopy@plt>
4017b7:      44 89 e0                 mov     %r12d,%eax
4017ba:      66 c1 c8 08              ror     $0x8,%ax
4017be:      66 89 44 24 02           mov     %ax,0x2(%rsp)
4017c3:      ba 10 00 00 00           mov     $0x10,%edx
4017c8:      48 89 e6                 mov     %rsp,%rsi
```

```
4017cb:        89 ef                   mov     %ebp,%edi
4017cd:        e8 0e f4 ff ff          callq   400be0 <connect@plt>
4017d2:        85 c0                   test    %eax,%eax
4017d4:        79 14                   jns     4017ea <open_clientfd+0xc7>
4017d6:        bf d3 1d 40 00          mov     $0x401dd3,%edi
4017db:        e8 00 f3 ff ff          callq   400ae0 <puts@plt>
4017e0:        bf 08 00 00 00          mov     $0x8,%edi
4017e5:        e8 06 f3 ff ff          callq   400af0 <exit@plt>
4017ea:        89 e8                   mov     %ebp,%eax
4017ec:        48 8b 5c 24 10          mov     0x10(%rsp),%rbx
4017f1:        48 8b 6c 24 18          mov     0x18(%rsp),%rbp
4017f6:        4c 8b 64 24 20          mov     0x20(%rsp),%r12
4017fb:        48 83 c4 28             add     $0x28,%rsp
4017ff:        c3                      retq

0000000000401800 <initialize_bomb>:
401800:        55                      push    %rbp
401801:        53                      push    %rbx
401802:        48 83 ec 48             sub     $0x48,%rsp
401806:        be d2 16 40 00          mov     $0x4016d2,%esi
40180b:        bf 02 00 00 00          mov     $0x2,%edi
401810:        e8 fb f3 ff ff          callq   400c10 <signal@plt>
401815:        48 89 e7                mov     %rsp,%rdi
401818:        be 40 00 00 00          mov     $0x40,%esi
40181d:        e8 ce f3 ff ff          callq   400bf0 <gethostname@plt>
401822:        85 c0                   test    %eax,%eax
401824:        75 13                   jne     401839 <initialize_bomb+0x39>
401826:        48 8b 3d d3 14 20 00    mov     2102483(%rip),%rdi        # 602d00 <host_table>
40182d:        bb 00 00 00 00          mov     $0x0,%ebx
401832:        48 85 ff                test    %rdi,%rdi
401835:        75 16                   jne     40184d <initialize_bomb+0x4d>
401837:        eb 50                   jmp     401889 <initialize_bomb+0x89>
401839:        bf e1 1d 40 00          mov     $0x401de1,%edi
40183e:        e8 9d f2 ff ff          callq   400ae0 <puts@plt>
401843:        bf 08 00 00 00          mov     $0x8,%edi
401848:        e8 a3 f2 ff ff          callq   400af0 <exit@plt>
40184d:        48 89 e6                mov     %rsp,%rsi
401850:        e8 ab f2 ff ff          callq   400b00 <strcasecmp@plt>
401855:        85 c0                   test    %eax,%eax
401857:        74 13                   je      40186c <initialize_bomb+0x6c>
401859:        48 8b 3c dd 08 2d 60    mov     0x602d08(,%rbx,8),%rdi
401860:        00
401861:        48 83 c3 01             add     $0x1,%rbx
401865:        48 85 ff                test    %rdi,%rdi
401868:        74 1f                   je      401889 <initialize_bomb+0x89>
40186a:        eb e1                   jmp     40184d <initialize_bomb+0x4d>
40186c:        be 50 00 00 00          mov     $0x50,%esi
401871:        bf ee 1d 40 00          mov     $0x401dee,%edi
401876:        e8 a8 fe ff ff          callq   401723 <open_clientfd>
40187b:        89 c7                   mov     %eax,%edi
40187d:        e8 3e f2 ff ff          callq   400ac0 <close@plt>
401882:        48 83 c4 48             add     $0x48,%rsp
401886:        5b                      pop     %rbx
401887:        5d                      pop     %rbp
401888:        c3                      retq
401889:        bf fc 1d 40 00          mov     $0x401dfc,%edi
40188e:        e8 4d f2 ff ff          callq   400ae0 <puts@plt>
401893:        bf 08 00 00 00          mov     $0x8,%edi
401898:        e8 53 f2 ff ff          callq   400af0 <exit@plt>
40189d:        90                      nop
40189e:        90                      nop
40189f:        90                      nop

00000000004018a0 <__libc_csu_fini>:
4018a0:        f3 c3                   repz retq
4018a2:        0f 1f 80 00 00 00 00    nopl    0x0(%rax)
4018a9:        0f 1f 80 00 00 00 00    nopl    0x0(%rax)

00000000004018b0 <__libc_csu_init>:
4018b0:        4c 89 64 24 e0          mov     %r12,0xffffffffffffffe0(%rsp)
4018b5:        4c 89 6c 24 e8          mov     %r13,0xffffffffffffffe8(%rsp)
4018ba:        4c 8d 25 a3 0a 20 00    lea     2099875(%rip),%r12        # 602364 <__fini_array_end>
4018c1:        4c 89 74 24 f0          mov     %r14,0xfffffffffffffff0(%rsp)
4018c6:        4c 89 7c 24 f8          mov     %r15,0xfffffffffffffff8(%rsp)
4018cb:        49 89 f6                mov     %rsi,%r14
4018ce:        48 89 5c 24 d0          mov     %rbx,0xffffffffffffffd0(%rsp)
4018d3:        48 89 6c 24 d8          mov     %rbp,0xffffffffffffffd8(%rsp)
```

```
4018d8:    48 83 ec 38              sub    $0x38,%rsp
4018dc:    41 89 ff                 mov    %edi,%r15d
4018df:    49 89 d5                 mov    %rdx,%r13
4018e2:    e8 a1 f1 ff ff           callq  400a88 <_init>
4018e7:    48 8d 05 76 0a 20 00     lea    2099830(%rip),%rax        # 602364 <__fini_array_end>
4018ee:    49 29 c4                 sub    %rax,%r12
4018f1:    49 c1 fc 03              sar    $0x3,%r12
4018f5:    4d 85 e4                 test   %r12,%r12
4018f8:    74 1e                    je     401918 <__libc_csu_init+0x68>
4018fa:    31 ed                    xor    %ebp,%ebp
4018fc:    48 89 c3                 mov    %rax,%rbx
4018ff:    90                       nop
401900:    48 83 c5 01              add    $0x1,%rbp
401904:    4c 89 ea                 mov    %r13,%rdx
401907:    4c 89 f6                 mov    %r14,%rsi
40190a:    44 89 ff                 mov    %r15d,%edi
40190d:    ff 13                    callq  *(%rbx)
40190f:    48 83 c3 08              add    $0x8,%rbx
401913:    49 39 ec                 cmp    %rbp,%r12
401916:    75 e8                    jne    401900 <__libc_csu_init+0x50>
401918:    48 8b 5c 24 08           mov    0x8(%rsp),%rbx
40191d:    48 8b 6c 24 10           mov    0x10(%rsp),%rbp
401922:    4c 8b 64 24 18           mov    0x18(%rsp),%r12
401927:    4c 8b 6c 24 20           mov    0x20(%rsp),%r13
40192c:    4c 8b 74 24 28           mov    0x28(%rsp),%r14
401931:    4c 8b 7c 24 30           mov    0x30(%rsp),%r15
401936:    48 83 c4 38              add    $0x38,%rsp
40193a:    c3                       retq
40193b:    90                       nop
40193c:    90                       nop
40193d:    90                       nop
40193e:    90                       nop
40193f:    90                       nop

0000000000401940 <__do_global_ctors_aux>:
401940:    55                       push   %rbp
401941:    48 89 e5                 mov    %rsp,%rbp
401944:    53                       push   %rbx
401945:    bb 68 23 60 00           mov    $0x602368,%ebx
40194a:    48 83 ec 08              sub    $0x8,%rsp
40194e:    48 8b 05 13 0a 20 00     mov    2099731(%rip),%rax        # 602368 <__CTOR_LIST__>
401955:    48 83 f8 ff              cmp    $0xffffffffffffffff,%rax
401959:    74 14                    je     40196f <__do_global_ctors_aux+0x2f>
40195b:    0f 1f 44 00 00           nopl   0x0(%rax,%rax,1)
401960:    48 83 eb 08              sub    $0x8,%rbx
401964:    ff d0                    callq  *%rax
401966:    48 8b 03                 mov    (%rbx),%rax
401969:    48 83 f8 ff              cmp    $0xffffffffffffffff,%rax
40196d:    75 f1                    jne    401960 <__do_global_ctors_aux+0x20>
40196f:    48 83 c4 08              add    $0x8,%rsp
401973:    5b                       pop    %rbx
401974:    c9                       leaveq
401975:    c3                       retq
401976:    90                       nop
401977:    90                       nop
Disassembly of section .fini:

0000000000401978 <_fini>:
401978:    48 83 ec 08              sub    $0x8,%rsp
40197c:    e8 6f f3 ff ff           callq  400cf0 <__do_global_dtors_aux>
401981:    48 83 c4 08              add    $0x8,%rsp
401985:    c3                       retq
```