```
[tony.bumatay@shell bomb33]$ cat output.txt

bomb:     file format elf64-x86-64


Disassembly of section .init:

0000000000400ad0 <_init>:
  400ad0: 48 83 ec 08          sub    $0x8,%rsp
  400ad4: 48 8b 05 1d 35 20 00 mov    0x20351d(%rip),%rax      # 603ff8
<_DYNAMIC+0x1d0>
  400adb: 48 85 c0             test   %rax,%rax
  400ade: 74 05                je     400ae5 <_init+0x15>
  400ae0: e8 0b 01 00 00       callq  400bf0 <__gmon_start__@plt>
  400ae5: 48 83 c4 08          add    $0x8,%rsp
  400ae9: c3                   retq

Disassembly of section .plt:

0000000000400af0 <getenv@plt-0x10>:
  400af0: ff 35 12 35 20 00    pushq  0x203512(%rip)          # 604008
<_GLOBAL_OFFSET_TABLE_+0x8>
  400af6: ff 25 14 35 20 00    jmpq   *0x203514(%rip)         # 604010
<_GLOBAL_OFFSET_TABLE_+0x10>
  400afc: 0f 1f 40 00          nopl   0x0(%rax)


0000000000400b00 <getenv@plt>:
  400b00: ff 25 12 35 20 00    jmpq   *0x203512(%rip)         # 604018
<_GLOBAL_OFFSET_TABLE_+0x18>
  400b06: 68 00 00 00 00       pushq  $0x0
  400b0b: e9 e0 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b10 <strcasecmp@plt>:
  400b10: ff 25 0a 35 20 00    jmpq   *0x20350a(%rip)         # 604020
<_GLOBAL_OFFSET_TABLE_+0x20>
  400b16: 68 01 00 00 00       pushq  $0x1
  400b1b: e9 d0 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b20 <__errno_location@plt>:
  400b20: ff 25 02 35 20 00    jmpq   *0x203502(%rip)         # 604028
<_GLOBAL_OFFSET_TABLE_+0x28>
  400b26: 68 02 00 00 00       pushq  $0x2
  400b2b: e9 c0 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b30 <strcpy@plt>:
  400b30: ff 25 fa 34 20 00    jmpq   *0x2034fa(%rip)         # 604030
<_GLOBAL_OFFSET_TABLE_+0x30>
  400b36: 68 03 00 00 00       pushq  $0x3
  400b3b: e9 b0 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b40 <puts@plt>:
  400b40: ff 25 f2 34 20 00    jmpq   *0x2034f2(%rip)         # 604038
<_GLOBAL_OFFSET_TABLE_+0x38>
  400b46: 68 04 00 00 00       pushq  $0x4
  400b4b: e9 a0 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b50 <write@plt>:
  400b50: ff 25 ea 34 20 00    jmpq   *0x2034ea(%rip)         # 604040
<_GLOBAL_OFFSET_TABLE_+0x40>
  400b56: 68 05 00 00 00       pushq  $0x5
  400b5b: e9 90 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b60 <printf@plt>:
  400b60: ff 25 e2 34 20 00    jmpq   *0x2034e2(%rip)         # 604048
<_GLOBAL_OFFSET_TABLE_+0x48>
  400b66: 68 06 00 00 00       pushq  $0x6
  400b6b: e9 80 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b70 <alarm@plt>:
  400b70: ff 25 da 34 20 00    jmpq   *0x2034da(%rip)         # 604050
<_GLOBAL_OFFSET_TABLE_+0x50>
  400b76: 68 07 00 00 00       pushq  $0x7
  400b7b: e9 70 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b80 <close@plt>:
  400b80: ff 25 d2 34 20 00    jmpq   *0x2034d2(%rip)         # 604058
<_GLOBAL_OFFSET_TABLE_+0x58>
  400b86: 68 08 00 00 00       pushq  $0x8
  400b8b: e9 60 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400b90 <read@plt>:
  400b90: ff 25 ca 34 20 00    jmpq   *0x2034ca(%rip)         # 604060
<_GLOBAL_OFFSET_TABLE_+0x60>
  400b96: 68 09 00 00 00       pushq  $0x9
  400b9b: e9 50 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400ba0 <__libc_start_main@plt>:
  400ba0: ff 25 c2 34 20 00    jmpq   *0x2034c2(%rip)         # 604068
<_GLOBAL_OFFSET_TABLE_+0x68>
  400ba6: 68 0a 00 00 00       pushq  $0xa
  400bab: e9 40 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400bb0 <fgets@plt>:
  400bb0: ff 25 ba 34 20 00    jmpq   *0x2034ba(%rip)         # 604070
<_GLOBAL_OFFSET_TABLE_+0x70>
  400bb6: 68 0b 00 00 00       pushq  $0xb
  400bbb: e9 30 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400bc0 <signal@plt>:
  400bc0: ff 25 b2 34 20 00    jmpq   *0x2034b2(%rip)         # 604078
<_GLOBAL_OFFSET_TABLE_+0x78>
  400bc6: 68 0c 00 00 00       pushq  $0xc
  400bcb: e9 20 ff ff ff       jmpq   400af0 <_init+0x20>

0000000000400bd0 <gethostbyname@plt>:
  400bd0: ff 25 aa 34 20 00    jmpq   *0x2034aa(%rip)         # 604080
<_GLOBAL_OFFSET_TABLE_+0x80>
  400bd6: 68 0d 00 00 00       pushq  $0xd
  400bdb: e9 10 ff ff ff       jmpq   400af0 <_init+0x20>
```

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0000000000400be0 <fprintf@plt>:
  400be0: ff 25 a2 34 20 00      jmpq   *0x2034a2(%rip)        # 604088
<_GLOBAL_OFFSET_TABLE_+0x88>
  400be6: 68 0e 00 00 00         pushq  $0xe
  400beb: e9 00 ff ff ff         jmpq   400af0 <_init+0x20>

0000000000400bf0 <__gmon_start__@plt>:
  400bf0: ff 25 9a 34 20 00      jmpq   *0x20349a(%rip)        # 604090
<_GLOBAL_OFFSET_TABLE_+0x90>
  400bf6: 68 0f 00 00 00         pushq  $0xf
  400bfb: e9 f0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c00 <strtol@plt>:
  400c00: ff 25 92 34 20 00      jmpq   *0x203492(%rip)        # 604098
<_GLOBAL_OFFSET_TABLE_+0x98>
  400c06: 68 10 00 00 00         pushq  $0x10
  400c0b: e9 e0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c10 <memcpy@plt>:
  400c10: ff 25 8a 34 20 00      jmpq   *0x20348a(%rip)        # 6040a0
<_GLOBAL_OFFSET_TABLE_+0xa0>
  400c16: 68 11 00 00 00         pushq  $0x11
  400c1b: e9 d0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c20 <fflush@plt>:
  400c20: ff 25 82 34 20 00      jmpq   *0x203482(%rip)        # 6040a8
<_GLOBAL_OFFSET_TABLE_+0xa8>
  400c26: 68 12 00 00 00         pushq  $0x12
  400c2b: e9 c0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c30 <__isoc99_sscanf@plt>:
  400c30: ff 25 7a 34 20 00      jmpq   *0x20347a(%rip)        # 6040b0
<_GLOBAL_OFFSET_TABLE_+0xb0>
  400c36: 68 13 00 00 00         pushq  $0x13
  400c3b: e9 b0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c40 <bcopy@plt>:
  400c40: ff 25 72 34 20 00      jmpq   *0x203472(%rip)        # 6040b8
<_GLOBAL_OFFSET_TABLE_+0xb8>
  400c46: 68 14 00 00 00         pushq  $0x14
  400c4b: e9 a0 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c50 <fopen@plt>:
  400c50: ff 25 6a 34 20 00      jmpq   *0x20346a(%rip)        # 6040c0
<_GLOBAL_OFFSET_TABLE_+0xc0>
  400c56: 68 15 00 00 00         pushq  $0x15
  400c5b: e9 90 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c60 <gethostname@plt>:
  400c60: ff 25 62 34 20 00      jmpq   *0x203462(%rip)        # 6040c8
<_GLOBAL_OFFSET_TABLE_+0xc8>
  400c66: 68 16 00 00 00         pushq  $0x16
  400c6b: e9 80 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c70 <sprintf@plt>:
  400c70: ff 25 5a 34 20 00      jmpq   *0x20345a(%rip)        # 6040d0
<_GLOBAL_OFFSET_TABLE_+0xd0>
  400c76: 68 17 00 00 00         pushq  $0x17
  400c7b: e9 70 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c80 <exit@plt>:
  400c80: ff 25 52 34 20 00      jmpq   *0x203452(%rip)        # 6040d8
<_GLOBAL_OFFSET_TABLE_+0xd8>
  400c86: 68 18 00 00 00         pushq  $0x18
  400c8b: e9 60 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400c90 <connect@plt>:
  400c90: ff 25 4a 34 20 00      jmpq   *0x20344a(%rip)        # 6040e0
<_GLOBAL_OFFSET_TABLE_+0xe0>
  400c96: 68 19 00 00 00         pushq  $0x19
  400c9b: e9 50 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400ca0 <sleep@plt>:
  400ca0: ff 25 42 34 20 00      jmpq   *0x203442(%rip)        # 6040e8
<_GLOBAL_OFFSET_TABLE_+0xe8>
  400ca6: 68 1a 00 00 00         pushq  $0x1a
  400cab: e9 40 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400cb0 <__ctype_b_loc@plt>:
  400cb0: ff 25 3a 34 20 00      jmpq   *0x20343a(%rip)        # 6040f0
<_GLOBAL_OFFSET_TABLE_+0xf0>
  400cb6: 68 1b 00 00 00         pushq  $0x1b
  400cbb: e9 30 fe ff ff         jmpq   400af0 <_init+0x20>

0000000000400cc0 <socket@plt>:
  400cc0: ff 25 32 34 20 00      jmpq   *0x203432(%rip)        # 6040f8
<_GLOBAL_OFFSET_TABLE_+0xf8>
  400cc6: 68 1c 00 00 00         pushq  $0x1c
  400ccb: e9 20 fe ff ff         jmpq   400af0 <_init+0x20>

Disassembly of section .text:

0000000000400cd0 <_start>:
  400cd0: 31 ed                  xor    %ebp,%ebp
  400cd2: 49 89 d1               mov    %rdx,%r9
  400cd5: 5e                     pop    %rsi
  400cd6: 48 89 e2               mov    %rsp,%rdx
  400cd9: 48 83 e4 f0            and    $0xfffffffffffffff0,%rsp
  400cdd: 50                     push   %rax
  400cde: 54                     push   %rsp
  400cdf: 49 c7 c0 b0 23 40 00   mov    $0x4023b0,%r8
  400ce6: 48 c7 c1 40 23 40 00   mov    $0x402340,%rcx
  400ced: 48 c7 c7 c0 0d 40 00   mov    $0x400dc0,%rdi
  400cf4: e8 a7 fe ff ff         callq  400ba0 <__libc_start_main@plt>
  400cf9: f4                     hlt
  400cfa: 66 90                  xchg   %ax,%ax
  400cfc: 0f 1f 40 00            nopl   0x0(%rax)

0000000000400d00 <deregister_tm_clones>:
  400d00: b8 87 4b 60 00         mov    $0x604b87,%eax
```

```
  400d05: 55                       push   %rbp
  400d06: 48 2d 80 4b 60 00        sub    $0x604b80,%rax
  400d0c: 48 83 f8 0e              cmp    $0xe,%rax
  400d10: 48 89 e5                 mov    %rsp,%rbp
  400d13: 77 02                    ja     400d17 <deregister_tm_clones+0x17>
  400d15: 5d                       pop    %rbp
  400d16: c3                       retq
  400d17: b8 00 00 00 00           mov    $0x0,%eax
  400d1c: 48 85 c0                 test   %rax,%rax
  400d1f: 74 f4                    je     400d15 <deregister_tm_clones+0x15>
  400d21: 5d                       pop    %rbp
  400d22: bf 80 4b 60 00           mov    $0x604b80,%edi
  400d27: ff e0                    jmpq   *%rax
  400d29: 0f 1f 80 00 00 00 00     nopl   0x0(%rax)

0000000000400d30 <register_tm_clones>:
  400d30: b8 80 4b 60 00           mov    $0x604b80,%eax
  400d35: 55                       push   %rbp
  400d36: 48 2d 80 4b 60 00        sub    $0x604b80,%rax
  400d3c: 48 c1 f8 03              sar    $0x3,%rax
  400d40: 48 89 e5                 mov    %rsp,%rbp
  400d43: 48 89 c2                 mov    %rax,%rdx
  400d46: 48 c1 ea 3f              shr    $0x3f,%rdx
  400d4a: 48 01 d0                 add    %rdx,%rax
  400d4d: 48 d1 f8                 sar    %rax
  400d50: 75 02                    jne    400d54 <register_tm_clones+0x24>
  400d52: 5d                       pop    %rbp
  400d53: c3                       retq
  400d54: ba 00 00 00 00           mov    $0x0,%edx
  400d59: 48 85 d2                 test   %rdx,%rdx
  400d5c: 74 f4                    je     400d52 <register_tm_clones+0x22>
  400d5e: 5d                       pop    %rbp
  400d5f: 48 89 c6                 mov    %rax,%rsi
  400d62: bf 80 4b 60 00           mov    $0x604b80,%edi
  400d67: ff e2                    jmpq   *%rdx
  400d69: 0f 1f 80 00 00 00 00     nopl   0x0(%rax)

0000000000400d70 <__do_global_dtors_aux>:
  400d70: 80 3d 21 3e 20 00 00     cmpb   $0x0,0x203e21(%rip)        # 604b98
<completed.6337>
  400d77: 75 11                    jne    400d8a <__do_global_dtors_aux+0x1a>
  400d79: 55                       push   %rbp
  400d7a: 48 89 e5                 mov    %rsp,%rbp
  400d7d: e8 7e ff ff ff           callq  400d00 <deregister_tm_clones>
  400d82: 5d                       pop    %rbp
  400d83: c6 05 0e 3e 20 00 01     movb   $0x1,0x203e0e(%rip)        # 604b98
<completed.6337>
  400d8a: f3 c3                    repz retq
  400d8c: 0f 1f 40 00              nopl   0x0(%rax)

0000000000400d90 <frame_dummy>:
  400d90: 48 83 3d 88 30 20 00     cmpq   $0x0,0x203088(%rip)        # 603e20
<__JCR_END__>
  400d97: 00
  400d98: 74 1e                    je     400db8 <frame_dummy+0x28>
```

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  400d9a: b8 00 00 00 00           mov    $0x0,%eax
  400d9f: 48 85 c0                 test   %rax,%rax
  400da2: 74 14                    je     400db8 <frame_dummy+0x28>
  400da4: 55                       push   %rbp
  400da5: bf 20 3e 60 00           mov    $0x603e20,%edi
  400daa: 48 89 e5                 mov    %rsp,%rbp
  400dad: ff d0                    callq  *%rax
  400daf: 5d                       pop    %rbp
  400db0: e9 7b ff ff ff           jmpq   400d30 <register_tm_clones>
  400db5: 0f 1f 00                 nopl   (%rax)
  400db8: e9 73 ff ff ff           jmpq   400d30 <register_tm_clones>
  400dbd: 0f 1f 00                 nopl   (%rax)

0000000000400dc0 <main>:
  400dc0: 53                       push   %rbx
  400dc1: 83 ff 01                 cmp    $0x1,%edi
  400dc4: 75 10                    jne    400dd6 <main+0x16>
  400dc6: 48 8b 05 bb 3d 20 00     mov    0x203dbb(%rip),%rax        # 604b88
<stdin@@GLIBC_2.2.5>
  400dcd: 48 89 05 cc 3d 20 00     mov    %rax,0x203dcc(%rip)        # 604ba0
<infile>
  400dd4: eb 59                    jmp    400e2f <main+0x6f>
  400dd6: 48 89 f3                 mov    %rsi,%rbx
  400dd9: 83 ff 02                 cmp    $0x2,%edi
  400ddc: 75 35                    jne    400e13 <main+0x53>
  400dde: 48 8b 7e 08              mov    0x8(%rsi),%rdi
  400de2: be d0 23 40 00           mov    $0x4023d0,%esi
  400de7: e8 64 fe ff ff           callq  400c50 <fopen@plt>
  400dec: 48 89 05 ad 3d 20 00     mov    %rax,0x203dad(%rip)        # 604ba0
<infile>
  400df3: 48 85 c0                 test   %rax,%rax
  400df6: 75 37                    jne    400e2f <main+0x6f>
  400df8: 48 8b 53 08              mov    0x8(%rbx),%rdx
  400dfc: 48 8b 33                 mov    (%rbx),%rsi
  400dff: bf d2 23 40 00           mov    $0x4023d2,%edi
  400e04: e8 57 fd ff ff           callq  400b60 <printf@plt>
  400e09: bf 08 00 00 00           mov    $0x8,%edi
  400e0e: e8 6d fe ff ff           callq  400c80 <exit@plt>
  400e13: 48 8b 36                 mov    (%rsi),%rsi
  400e16: bf ef 23 40 00           mov    $0x4023ef,%edi
  400e1b: b8 00 00 00 00           mov    $0x0,%eax
  400e20: e8 3b fd ff ff           callq  400b60 <printf@plt>
  400e25: bf 08 00 00 00           mov    $0x8,%edi
  400e2a: e8 51 fe ff ff           callq  400c80 <exit@plt>
  400e2f: e8 c3 05 00 00           callq  4013f7 <initialize_bomb>
  400e34: bf 58 24 40 00           mov    $0x402458,%edi
  400e39: e8 02 fd ff ff           callq  400b40 <puts@plt>
  400e3e: bf 98 24 40 00           mov    $0x402498,%edi
  400e43: e8 f8 fc ff ff           callq  400b40 <puts@plt>
  400e48: e8 1a 08 00 00           callq  401667 <read_line>
  400e4d: 48 89 c7                 mov    %rax,%rdi
  400e50: e8 9b 00 00 00           callq  400ef0 <phase_1>
  400e55: e8 33 09 00 00           callq  40178d <phase_defused>
  400e5a: bf c8 24 40 00           mov    $0x4024c8,%edi
  400e5f: e8 dc fc ff ff           callq  400b40 <puts@plt>
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```
  400e64: e8 fe 07 00 00        callq  401667 <read_line>
  400e69: 48 89 c7              mov    %rax,%rdi
  400e6c: e8 9b 00 00 00        callq  400f0c <phase_2>
  400e71: e8 17 09 00 00        callq  40178d <phase_defused>
  400e76: bf 09 24 40 00        mov    $0x402409,%edi
  400e7b: e8 c0 fc ff ff        callq  400b40 <puts@plt>
  400e80: e8 e2 07 00 00        callq  401667 <read_line>
  400e85: 48 89 c7              mov    %rax,%rdi
  400e88: e8 ca 00 00 00        callq  400f57 <phase_3>
  400e8d: e8 fb 08 00 00        callq  40178d <phase_defused>
  400e92: bf 27 24 40 00        mov    $0x402427,%edi
  400e97: e8 a4 fc ff ff        callq  400b40 <puts@plt>
  400e9c: e8 c6 07 00 00        callq  401667 <read_line>
  400ea1: 48 89 c7              mov    %rax,%rdi
  400ea4: e8 39 02 00 00        callq  4010e2 <phase_4>
  400ea9: e8 df 08 00 00        callq  40178d <phase_defused>
  400eae: bf f8 24 40 00        mov    $0x4024f8,%edi
  400eb3: e8 88 fc ff ff        callq  400b40 <puts@plt>
  400eb8: e8 aa 07 00 00        callq  401667 <read_line>
  400ebd: 48 89 c7              mov    %rax,%rdi
  400ec0: e8 74 02 00 00        callq  401139 <phase_5>
  400ec5: e8 c3 08 00 00        callq  40178d <phase_defused>
  400eca: bf 36 24 40 00        mov    $0x402436,%edi
  400ecf: e8 6c fc ff ff        callq  400b40 <puts@plt>
  400ed4: e8 8e 07 00 00        callq  401667 <read_line>
  400ed9: 48 89 c7              mov    %rax,%rdi
  400edc: e8 99 02 00 00        callq  40117a <phase_6>
  400ee1: e8 a7 08 00 00        callq  40178d <phase_defused>
  400ee6: b8 00 00 00 00        mov    $0x0,%eax
  400eeb: 5b                    pop    %rbx
  400eec: c3                    retq
  400eed: 0f 1f 00              nopl   (%rax)

0000000000400ef0 <phase_1>:
  400ef0: 48 83 ec 08           sub    $0x8,%rsp
  400ef4: be 20 25 40 00        mov    $0x402520,%esi
  400ef9: e8 90 04 00 00        callq  40138e <strings_not_equal>
  400efe: 85 c0                 test   %eax,%eax
  400f00: 74 05                 je     400f07 <phase_1+0x17>
  400f02: e8 e8 06 00 00        callq  4015ef <explode_bomb>
  400f07: 48 83 c4 08           add    $0x8,%rsp
  400f0b: c3                    retq

0000000000400f0c <phase_2>:
  400f0c: 55                    push   %rbp
  400f0d: 53                    push   %rbx
  400f0e: 48 83 ec 28           sub    $0x28,%rsp
  400f12: 48 89 e6              mov    %rsp,%rsi
  400f15: e8 0b 07 00 00        callq  401625 <read_six_numbers>
  400f1a: 83 3c 24 00           cmpl   $0x0,(%rsp)
  400f1e: 79 24                 jns    400f44 <phase_2+0x38>
  400f20: e8 ca 06 00 00        callq  4015ef <explode_bomb>
  400f25: eb 1d                 jmp    400f44 <phase_2+0x38>
  400f27: 89 d8                 mov    %ebx,%eax
  400f29: 03 45 fc              add    -0x4(%rbp),%eax

  400f2c: 39 45 00              cmp    %eax,0x0(%rbp)
  400f2f: 74 05                 je     400f36 <phase_2+0x2a>
  400f31: e8 b9 06 00 00        callq  4015ef <explode_bomb>
  400f36: 83 c3 01              add    $0x1,%ebx
  400f39: 48 83 c5 04           add    $0x4,%rbp
  400f3d: 83 fb 06              cmp    $0x6,%ebx
  400f40: 75 e5                 jne    400f27 <phase_2+0x1b>
  400f42: eb 0c                 jmp    400f50 <phase_2+0x44>
  400f44: 48 8d 6c 24 04        lea    0x4(%rsp),%rbp
  400f49: bb 01 00 00 00        mov    $0x1,%ebx
  400f4e: eb d7                 jmp    400f27 <phase_2+0x1b>
  400f50: 48 83 c4 28           add    $0x28,%rsp
  400f54: 5b                    pop    %rbx
  400f55: 5d                    pop    %rbp
  400f56: c3                    retq

0000000000400f57 <phase_3>:
  400f57: 48 83 ec 18           sub    $0x18,%rsp
  400f5b: 4c 8d 44 24 08        lea    0x8(%rsp),%r8
  400f60: 48 8d 4c 24 07        lea    0x7(%rsp),%rcx
  400f65: 48 8d 54 24 0c        lea    0xc(%rsp),%rdx
  400f6a: be 7e 25 40 00        mov    $0x40257e,%esi
  400f6f: b8 00 00 00 00        mov    $0x0,%eax
  400f74: e8 b7 fc ff ff        callq  400c30 <__isoc99_sscanf@plt>
  400f79: 83 f8 02              cmp    $0x2,%eax
  400f7c: 7f 05                 jg     400f83 <phase_3+0x2c>
  400f7e: e8 6c 06 00 00        callq  4015ef <explode_bomb>
  400f83: 83 7c 24 0c 07        cmpl   $0x7,0xc(%rsp)
  400f88: 0f 87 fc 00 00 00     ja     40108a <phase_3+0x133>
  400f8e: 8b 44 24 0c           mov    0xc(%rsp),%eax
  400f92: ff 24 c5 a0 25 40 00  jmpq   *0x4025a0(,%rax,8)
  400f99: b8 6d 00 00 00        mov    $0x6d,%eax
  400f9e: 81 7c 24 08 81 00 00  cmpl   $0x81,0x8(%rsp)
  400fa5: 00
  400fa6: 0f 84 e8 00 00 00     je     401094 <phase_3+0x13d>
  400fac: e8 3e 06 00 00        callq  4015ef <explode_bomb>
  400fb1: b8 6d 00 00 00        mov    $0x6d,%eax
  400fb6: e9 d9 00 00 00        jmpq   401094 <phase_3+0x13d>
  400fbb: b8 78 00 00 00        mov    $0x78,%eax
  400fc0: 81 7c 24 08 46 01 00  cmpl   $0x146,0x8(%rsp)
  400fc7: 00
  400fc8: 0f 84 c6 00 00 00     je     401094 <phase_3+0x13d>
  400fce: e8 1c 06 00 00        callq  4015ef <explode_bomb>
  400fd3: b8 78 00 00 00        mov    $0x78,%eax
  400fd8: e9 b7 00 00 00        jmpq   401094 <phase_3+0x13d>
  400fdd: b8 77 00 00 00        mov    $0x77,%eax
  400fe2: 81 7c 24 08 5f 01 00  cmpl   $0x15f,0x8(%rsp)
  400fe9: 00
  400fea: 0f 84 a4 00 00 00     je     401094 <phase_3+0x13d>
  400ff0: e8 fa 05 00 00        callq  4015ef <explode_bomb>
  400ff5: b8 77 00 00 00        mov    $0x77,%eax
  400ffa: e9 95 00 00 00        jmpq   401094 <phase_3+0x13d>
  400fff: b8 78 00 00 00        mov    $0x78,%eax
  401004: 81 7c 24 08 d2 00 00  cmpl   $0xd2,0x8(%rsp)
  40100b: 00
```

```
  40100c: 0f 84 82 00 00 00       je      401094 <phase_3+0x13d>        4010c8: b8 00 00 00 00       mov     $0x0,%eax
  401012: e8 d8 05 00 00          callq   4015ef <explode_bomb>         4010cd: 39 f9                cmp     %edi,%ecx
  401017: b8 78 00 00 00          mov     $0x78,%eax                    4010cf: 7d 0c                jge     4010dd <func4+0x39>
  40101c: eb 76                   jmp     401094 <phase_3+0x13d>        4010d1: 8d 71 01             lea     0x1(%rcx),%esi
  40101e: b8 79 00 00 00          mov     $0x79,%eax                    4010d4: e8 cb ff ff ff       callq   4010a4 <func4>
  401023: 81 7c 24 08 05 03 00    cmpl    $0x305,0x8(%rsp)              4010d9: 8d 44 00 01          lea     0x1(%rax,%rax,1),%eax
  40102a: 00                                                            4010dd: 48 83 c4 08          add     $0x8,%rsp
  40102b: 74 67                   je      401094 <phase_3+0x13d>        4010e1: c3                   retq
  40102d: e8 bd 05 00 00          callq   4015ef <explode_bomb>
  401032: b8 79 00 00 00          mov     $0x79,%eax             00000000004010e2 <phase_4>:
  401037: eb 5b                   jmp     401094 <phase_3+0x13d>        4010e2: 48 83 ec 18          sub     $0x18,%rsp
  401039: b8 6b 00 00 00          mov     $0x6b,%eax                    4010e6: 48 8d 4c 24 08       lea     0x8(%rsp),%rcx
  40103e: 81 7c 24 08 2f 01 00    cmpl    $0x12f,0x8(%rsp)              4010eb: 48 8d 54 24 0c       lea     0xc(%rsp),%rdx
  401045: 00                                                            4010f0: be 6d 28 40 00       mov     $0x40286d,%esi
  401046: 74 4c                   je      401094 <phase_3+0x13d>        4010f5: b8 00 00 00 00       mov     $0x0,%eax
  401048: e8 a2 05 00 00          callq   4015ef <explode_bomb>         4010fa: e8 31 fb ff ff       callq   400c30 <__isoc99_sscanf@plt>
  40104d: b8 6b 00 00 00          mov     $0x6b,%eax                    4010ff: 83 f8 02             cmp     $0x2,%eax
  401052: eb 40                   jmp     401094 <phase_3+0x13d>        401102: 75 07                jne     40110b <phase_4+0x29>
  401054: b8 6b 00 00 00          mov     $0x6b,%eax                    401104: 83 7c 24 0c 0e       cmpl    $0xe,0xc(%rsp)
  401059: 81 7c 24 08 87 03 00    cmpl    $0x387,0x8(%rsp)              401109: 76 05                jbe     401110 <phase_4+0x2e>
  401060: 00                                                            40110b: e8 df 04 00 00       callq   4015ef <explode_bomb>
  401061: 74 31                   je      401094 <phase_3+0x13d>        401110: ba 0e 00 00 00       mov     $0xe,%edx
  401063: e8 87 05 00 00          callq   4015ef <explode_bomb>         401115: be 00 00 00 00       mov     $0x0,%esi
  401068: b8 6b 00 00 00          mov     $0x6b,%eax                    40111a: 8b 7c 24 0c          mov     0xc(%rsp),%edi
  40106d: eb 25                   jmp     401094 <phase_3+0x13d>        40111e: e8 81 ff ff ff       callq   4010a4 <func4>
  40106f: b8 75 00 00 00          mov     $0x75,%eax                    401123: 83 f8 02             cmp     $0x2,%eax
  401074: 81 7c 24 08 e4 02 00    cmpl    $0x2e4,0x8(%rsp)              401126: 75 07                jne     40112f <phase_4+0x4d>
  40107b: 00                                                            401128: 83 7c 24 08 02       cmpl    $0x2,0x8(%rsp)
  40107c: 74 16                   je      401094 <phase_3+0x13d>        40112d: 74 05                je      401134 <phase_4+0x52>
  40107e: e8 6c 05 00 00          callq   4015ef <explode_bomb>         40112f: e8 bb 04 00 00       callq   4015ef <explode_bomb>
  401083: b8 75 00 00 00          mov     $0x75,%eax                    401134: 48 83 c4 18          add     $0x18,%rsp
  401088: eb 0a                   jmp     401094 <phase_3+0x13d>        401138: c3                   retq
  40108a: e8 60 05 00 00          callq   4015ef <explode_bomb>
  40108f: b8 76 00 00 00          mov     $0x76,%eax             0000000000401139 <phase_5>:
  401094: 3a 44 24 07             cmp     0x7(%rsp),%al                 401139: 53                   push    %rbx
  401098: 74 05                   je      40109f <phase_3+0x148>        40113a: 48 89 fb             mov     %rdi,%rbx
  40109a: e8 50 05 00 00          callq   4015ef <explode_bomb>         40113d: e8 2f 02 00 00       callq   401371 <string_length>
  40109f: 48 83 c4 18             add     $0x18,%rsp                    401142: 83 f8 06             cmp     $0x6,%eax
  4010a3: c3                      retq                                  401145: 74 05                je      40114c <phase_5+0x13>
                                                                        401147: e8 a3 04 00 00       callq   4015ef <explode_bomb>
00000000004010a4 <func4>:                                               40114c: b8 00 00 00 00       mov     $0x0,%eax
  4010a4: 48 83 ec 08             sub     $0x8,%rsp                     401151: ba 00 00 00 00       mov     $0x0,%edx
  4010a8: 89 d0                   mov     %edx,%eax                     401156: 0f b6 0c 03          movzbl  (%rbx,%rax,1),%ecx
  4010aa: 29 f0                   sub     %esi,%eax                     40115a: 83 e1 0f             and     $0xf,%ecx
  4010ac: 89 c1                   mov     %eax,%ecx                     40115d: 03 14 8d e0 25 40 00 add     0x4025e0(,%rcx,4),%edx
  4010ae: c1 e9 1f                shr     $0x1f,%ecx                    401164: 48 83 c0 01          add     $0x1,%rax
  4010b1: 01 c8                   add     %ecx,%eax                     401168: 48 83 f8 06          cmp     $0x6,%rax
  4010b3: d1 f8                   sar     %eax                          40116c: 75 e8                jne     401156 <phase_5+0x1d>
  4010b5: 8d 0c 30                lea     (%rax,%rsi,1),%ecx            40116e: 83 fa 31             cmp     $0x31,%edx
  4010b8: 39 f9                   cmp     %edi,%ecx                     401171: 74 05                je      401178 <phase_5+0x3f>
  4010ba: 7e 0c                   jle     4010c8 <func4+0x24>           401173: e8 77 04 00 00       callq   4015ef <explode_bomb>
  4010bc: 8d 51 ff                lea     -0x1(%rcx),%edx               401178: 5b                   pop     %rbx
  4010bf: e8 e0 ff ff ff          callq   4010a4 <func4>                401179: c3                   retq
  4010c4: 01 c0                   add     %eax,%eax
  4010c6: eb 15                   jmp     4010dd <func4+0x39>    000000000040117a <phase_6>:
```

```
  40117a: 41 55                   push   %r13
  40117c: 41 54                   push   %r12
  40117e: 55                      push   %rbp
  40117f: 53                      push   %rbx
  401180: 48 83 ec 58             sub    $0x58,%rsp
  401184: 48 8d 74 24 30          lea    0x30(%rsp),%rsi
  401189: e8 97 04 00 00          callq  401625 <read_six_numbers>
  40118e: 4c 8d 6c 24 30          lea    0x30(%rsp),%r13
  401193: 41 bc 00 00 00 00       mov    $0x0,%r12d
  401199: 4c 89 ed                mov    %r13,%rbp
  40119c: 41 8b 45 00             mov    0x0(%r13),%eax
  4011a0: 83 e8 01                sub    $0x1,%eax
  4011a3: 83 f8 05                cmp    $0x5,%eax
  4011a6: 76 05                   jbe    4011ad <phase_6+0x33>
  4011a8: e8 42 04 00 00          callq  4015ef <explode_bomb>
  4011ad: 41 83 c4 01             add    $0x1,%r12d
  4011b1: 41 83 fc 06             cmp    $0x6,%r12d
  4011b5: 75 07                   jne    4011be <phase_6+0x44>
  4011b7: be 00 00 00 00          mov    $0x0,%esi
  4011bc: eb 42                   jmp    401200 <phase_6+0x86>
  4011be: 44 89 e3                mov    %r12d,%ebx
  4011c1: 48 63 c3                movslq %ebx,%rax
  4011c4: 8b 44 84 30             mov    0x30(%rsp,%rax,4),%eax
  4011c8: 39 45 00                cmp    %eax,0x0(%rbp)
  4011cb: 75 05                   jne    4011d2 <phase_6+0x58>
  4011cd: e8 1d 04 00 00          callq  4015ef <explode_bomb>
  4011d2: 83 c3 01                add    $0x1,%ebx
  4011d5: 83 fb 05                cmp    $0x5,%ebx
  4011d8: 7e e7                   jle    4011c1 <phase_6+0x47>
  4011da: 49 83 c5 04             add    $0x4,%r13
  4011de: eb b9                   jmp    401199 <phase_6+0x1f>
  4011e0: 48 8b 52 08             mov    0x8(%rdx),%rdx
  4011e4: 83 c0 01                add    $0x1,%eax
  4011e7: 39 c8                   cmp    %ecx,%eax
  4011e9: 75 f5                   jne    4011e0 <phase_6+0x66>
  4011eb: eb 05                   jmp    4011f2 <phase_6+0x78>
  4011ed: ba 00 43 60 00          mov    $0x604300,%edx
  4011f2: 48 89 14 74             mov    %rdx,(%rsp,%rsi,2)
  4011f6: 48 83 c6 04             add    $0x4,%rsi
  4011fa: 48 83 fe 18             cmp    $0x18,%rsi
  4011fe: 74 15                   je     401215 <phase_6+0x9b>
  401200: 8b 4c 34 30             mov    0x30(%rsp,%rsi,1),%ecx
  401204: 83 f9 01                cmp    $0x1,%ecx
  401207: 7e e4                   jle    4011ed <phase_6+0x73>
  401209: b8 01 00 00 00          mov    $0x1,%eax
  40120e: ba 00 43 60 00          mov    $0x604300,%edx
  401213: eb cb                   jmp    4011e0 <phase_6+0x66>
  401215: 48 8b 1c 24             mov    (%rsp),%rbx
  401219: 48 8d 44 24 08          lea    0x8(%rsp),%rax
  40121e: 48 8d 74 24 30          lea    0x30(%rsp),%rsi
  401223: 48 89 d9                mov    %rbx,%rcx
  401226: 48 8b 10                mov    (%rax),%rdx
  401229: 48 89 51 08             mov    %rdx,0x8(%rcx)
  40122d: 48 83 c0 08             add    $0x8,%rax
  401231: 48 39 f0                cmp    %rsi,%rax
  401234: 74 05                   je     40123b <phase_6+0xc1>
  401236: 48 89 d1                mov    %rdx,%rcx
  401239: eb eb                   jmp    401226 <phase_6+0xac>
  40123b: 48 c7 42 08 00 00 00    movq   $0x0,0x8(%rdx)
  401242: 00
  401243: bd 05 00 00 00          mov    $0x5,%ebp
  401248: 48 8b 43 08             mov    0x8(%rbx),%rax
  40124c: 8b 00                   mov    (%rax),%eax
  40124e: 39 03                   cmp    %eax,(%rbx)
  401250: 7e 05                   jle    401257 <phase_6+0xdd>
  401252: e8 98 03 00 00          callq  4015ef <explode_bomb>
  401257: 48 8b 5b 08             mov    0x8(%rbx),%rbx
  40125b: 83 ed 01                sub    $0x1,%ebp
  40125e: 75 e8                   jne    401248 <phase_6+0xce>
  401260: 48 83 c4 58             add    $0x58,%rsp
  401264: 5b                      pop    %rbx
  401265: 5d                      pop    %rbp
  401266: 41 5c                   pop    %r12
  401268: 41 5d                   pop    %r13
  40126a: c3                      retq

000000000040126b <fun7>:
  40126b: 48 83 ec 08             sub    $0x8,%rsp
  40126f: 48 85 ff                test   %rdi,%rdi
  401272: 74 2b                   je     40129f <fun7+0x34>
  401274: 8b 17                   mov    (%rdi),%edx
  401276: 39 f2                   cmp    %esi,%edx
  401278: 7e 0d                   jle    401287 <fun7+0x1c>
  40127a: 48 8b 7f 08             mov    0x8(%rdi),%rdi
  40127e: e8 e8 ff ff ff          callq  40126b <fun7>
  401283: 01 c0                   add    %eax,%eax
  401285: eb 1d                   jmp    4012a4 <fun7+0x39>
  401287: b8 00 00 00 00          mov    $0x0,%eax
  40128c: 39 f2                   cmp    %esi,%edx
  40128e: 74 14                   je     4012a4 <fun7+0x39>
  401290: 48 8b 7f 10             mov    0x10(%rdi),%rdi
  401294: e8 d2 ff ff ff          callq  40126b <fun7>
  401299: 8d 44 00 01             lea    0x1(%rax,%rax,1),%eax
  40129d: eb 05                   jmp    4012a4 <fun7+0x39>
  40129f: b8 ff ff ff ff          mov    $0xffffffff,%eax
  4012a4: 48 83 c4 08             add    $0x8,%rsp
  4012a8: c3                      retq

00000000004012a9 <secret_phase>:
  4012a9: 53                      push   %rbx
  4012aa: e8 b8 03 00 00          callq  401667 <read_line>
  4012af: ba 0a 00 00 00          mov    $0xa,%edx
  4012b4: be 00 00 00 00          mov    $0x0,%esi
  4012b9: 48 89 c7                mov    %rax,%rdi
  4012bc: e8 3f f9 ff ff          callq  400c00 <strtol@plt>
  4012c1: 48 89 c3                mov    %rax,%rbx
  4012c4: 8d 40 ff                lea    -0x1(%rax),%eax
  4012c7: 3d e8 03 00 00          cmp    $0x3e8,%eax
  4012cc: 76 05                   jbe    4012d3 <secret_phase+0x2a>
  4012ce: e8 1c 03 00 00          callq  4015ef <explode_bomb>
```

```
  4012d3: 89 de                   mov    %ebx,%esi
  4012d5: bf 20 41 60 00          mov    $0x604120,%edi
  4012da: e8 8c ff ff ff          callq  40126b <fun7>
  4012df: 83 f8 07                cmp    $0x7,%eax
  4012e2: 74 05                   je     4012e9 <secret_phase+0x40>
  4012e4: e8 06 03 00 00          callq  4015ef <explode_bomb>
  4012e9: bf 58 25 40 00          mov    $0x402558,%edi
  4012ee: e8 4d f8 ff ff          callq  400b40 <puts@plt>
  4012f3: e8 95 04 00 00          callq  40178d <phase_defused>
  4012f8: 5b                      pop    %rbx
  4012f9: c3                      retq
  4012fa: 66 0f 1f 44 00 00       nopw   0x0(%rax,%rax,1)

0000000000401300 <sig_handler>:
  401300: 48 83 ec 08             sub    $0x8,%rsp
  401304: bf 20 26 40 00          mov    $0x402620,%edi
  401309: e8 32 f8 ff ff          callq  400b40 <puts@plt>
  40130e: bf 03 00 00 00          mov    $0x3,%edi
  401313: e8 88 f9 ff ff          callq  400ca0 <sleep@plt>
  401318: bf e9 27 40 00          mov    $0x4027e9,%edi
  40131d: b8 00 00 00 00          mov    $0x0,%eax
  401322: e8 39 f8 ff ff          callq  400b60 <printf@plt>
  401327: 48 8b 3d 52 38 20 00    mov    0x203852(%rip),%rdi        # 604b80
<__TMC_END__>
  40132e: e8 ed f8 ff ff          callq  400c20 <fflush@plt>
  401333: bf 01 00 00 00          mov    $0x1,%edi
  401338: e8 63 f9 ff ff          callq  400ca0 <sleep@plt>
  40133d: bf f1 27 40 00          mov    $0x4027f1,%edi
  401342: e8 f9 f7 ff ff          callq  400b40 <puts@plt>
  401347: bf 10 00 00 00          mov    $0x10,%edi
  40134c: e8 2f f9 ff ff          callq  400c80 <exit@plt>

0000000000401351 <invalid_phase>:
  401351: 48 83 ec 08             sub    $0x8,%rsp
  401355: 48 89 fe                mov    %rdi,%rsi
  401358: bf f9 27 40 00          mov    $0x4027f9,%edi
  40135d: b8 00 00 00 00          mov    $0x0,%eax
  401362: e8 f9 f7 ff ff          callq  400b60 <printf@plt>
  401367: bf 08 00 00 00          mov    $0x8,%edi
  40136c: e8 0f f9 ff ff          callq  400c80 <exit@plt>

0000000000401371 <string_length>:
  401371: 80 3f 00                cmpb   $0x0,(%rdi)
  401374: 74 12                   je     401388 <string_length+0x17>
  401376: 48 89 fa                mov    %rdi,%rdx
  401379: 48 83 c2 01             add    $0x1,%rdx
  40137d: 89 d0                   mov    %edx,%eax
  40137f: 29 f8                   sub    %edi,%eax
  401381: 80 3a 00                cmpb   $0x0,(%rdx)
  401384: 75 f3                   jne    401379 <string_length+0x8>
  401386: f3 c3                   repz retq
  401388: b8 00 00 00 00          mov    $0x0,%eax
  40138d: c3                      retq

000000000040138e <strings_not_equal>:
```

```
  40138e: 41 54                   push   %r12
  401390: 55                      push   %rbp
  401391: 53                      push   %rbx
  401392: 48 89 fb                mov    %rdi,%rbx
  401395: 48 89 f5                mov    %rsi,%rbp
  401398: e8 d4 ff ff ff          callq  401371 <string_length>
  40139d: 41 89 c4                mov    %eax,%r12d
  4013a0: 48 89 ef                mov    %rbp,%rdi
  4013a3: e8 c9 ff ff ff          callq  401371 <string_length>
  4013a8: ba 01 00 00 00          mov    $0x1,%edx
  4013ad: 41 39 c4                cmp    %eax,%r12d
  4013b0: 75 3e                   jne    4013f0 <strings_not_equal+0x62>
  4013b2: 0f b6 03                movzbl (%rbx),%eax
  4013b5: 84 c0                   test   %al,%al
  4013b7: 74 24                   je     4013dd <strings_not_equal+0x4f>
  4013b9: 3a 45 00                cmp    0x0(%rbp),%al
  4013bc: 74 09                   je     4013c7 <strings_not_equal+0x39>
  4013be: 66 90                   xchg   %ax,%ax
  4013c0: eb 22                   jmp    4013e4 <strings_not_equal+0x56>
  4013c2: 3a 45 00                cmp    0x0(%rbp),%al
  4013c5: 75 24                   jne    4013eb <strings_not_equal+0x5d>
  4013c7: 48 83 c3 01             add    $0x1,%rbx
  4013cb: 48 83 c5 01             add    $0x1,%rbp
  4013cf: 0f b6 03                movzbl (%rbx),%eax
  4013d2: 84 c0                   test   %al,%al
  4013d4: 75 ec                   jne    4013c2 <strings_not_equal+0x34>
  4013d6: ba 00 00 00 00          mov    $0x0,%edx
  4013db: eb 13                   jmp    4013f0 <strings_not_equal+0x62>
  4013dd: ba 00 00 00 00          mov    $0x0,%edx
  4013e2: eb 0c                   jmp    4013f0 <strings_not_equal+0x62>
  4013e4: ba 01 00 00 00          mov    $0x1,%edx
  4013e9: eb 05                   jmp    4013f0 <strings_not_equal+0x62>
  4013eb: ba 01 00 00 00          mov    $0x1,%edx
  4013f0: 89 d0                   mov    %edx,%eax
  4013f2: 5b                      pop    %rbx
  4013f3: 5d                      pop    %rbp
  4013f4: 41 5c                   pop    %r12
  4013f6: c3                      retq

00000000004013f7 <initialize_bomb>:
  4013f7: 53                      push   %rbx
  4013f8: 48 81 ec 40 20 00 00    sub    $0x2040,%rsp
  4013ff: be 00 13 40 00          mov    $0x401300,%esi
  401404: bf 02 00 00 00          mov    $0x2,%edi
  401409: e8 b2 f7 ff ff          callq  400bc0 <signal@plt>
  40140e: be 40 00 00 00          mov    $0x40,%esi
  401413: 48 8d bc 24 00 20 00    lea    0x2000(%rsp),%rdi
  40141a: 00
  40141b: e8 40 f8 ff ff          callq  400c60 <gethostname@plt>
  401420: 85 c0                   test   %eax,%eax
  401422: 75 13                   jne    401437 <initialize_bomb+0x40>
  401424: 48 8b 3d 55 33 20 00    mov    0x203355(%rip),%rdi        # 604780
<host_table>
  40142b: bb 88 47 60 00          mov    $0x604788,%ebx
  401430: 48 85 ff                test   %rdi,%rdi
```

```
  401433: 75 16                    jne     40144b <initialize_bomb+0x54>
  401435: eb 50                    jmp     401487 <initialize_bomb+0x90>
  401437: bf 58 26 40 00           mov     $0x402658,%edi
  40143c: e8 ff f6 ff ff           callq   400b40 <puts@plt>
  401441: bf 08 00 00 00           mov     $0x8,%edi
  401446: e8 35 f8 ff ff           callq   400c80 <exit@plt>
  40144b: 48 8d b4 24 00 20 00     lea     0x2000(%rsp),%rsi
  401452: 00
  401453: e8 b8 f6 ff ff           callq   400b10 <strcasecmp@plt>
  401458: 85 c0                    test    %eax,%eax
  40145a: 74 3f                    je      40149b <initialize_bomb+0xa4>
  40145c: 48 83 c3 08              add     $0x8,%rbx
  401460: 48 8b 7b f8              mov     -0x8(%rbx),%rdi
  401464: 48 85 ff                 test    %rdi,%rdi
  401467: 75 e2                    jne     40144b <initialize_bomb+0x54>
  401469: eb 1c                    jmp     401487 <initialize_bomb+0x90>
  40146b: 48 89 e6                 mov     %rsp,%rsi
  40146e: bf 0a 28 40 00           mov     $0x40280a,%edi
  401473: b8 00 00 00 00           mov     $0x0,%eax
  401478: e8 e3 f6 ff ff           callq   400b60 <printf@plt>
  40147d: bf 08 00 00 00           mov     $0x8,%edi
  401482: e8 f9 f7 ff ff           callq   400c80 <exit@plt>
  401487: bf 90 26 40 00           mov     $0x402690,%edi
  40148c: e8 af f6 ff ff           callq   400b40 <puts@plt>
  401491: bf 08 00 00 00           mov     $0x8,%edi
  401496: e8 e5 f7 ff ff           callq   400c80 <exit@plt>
  40149b: 48 89 e7                 mov     %rsp,%rdi
  40149e: e8 87 0c 00 00           callq   40212a <init_driver>
  4014a3: 85 c0                    test    %eax,%eax
  4014a5: 78 c4                    js      40146b <initialize_bomb+0x74>
  4014a7: 48 81 c4 40 20 00 00     add     $0x2040,%rsp
  4014ae: 5b                       pop     %rbx
  4014af: c3                       retq

00000000004014b0 <initialize_bomb_solve>:
  4014b0: f3 c3                    repz retq

00000000004014b2 <blank_line>:
  4014b2: 55                       push    %rbp
  4014b3: 53                       push    %rbx
  4014b4: 48 83 ec 08              sub     $0x8,%rsp
  4014b8: 48 89 fb                 mov     %rdi,%rbx
  4014bb: eb 17                    jmp     4014d4 <blank_line+0x22>
  4014bd: e8 ee f7 ff ff           callq   400cb0 <__ctype_b_loc@plt>
  4014c2: 48 83 c3 01              add     $0x1,%rbx
  4014c6: 48 0f be ed              movsbq  %bpl,%rbp
  4014ca: 48 8b 00                 mov     (%rax),%rax
  4014cd: f6 44 68 01 20           testb   $0x20,0x1(%rax,%rbp,2)
  4014d2: 74 0f                    je      4014e3 <blank_line+0x31>
  4014d4: 0f b6 2b                 movzbl  (%rbx),%ebp
  4014d7: 40 84 ed                 test    %bpl,%bpl
  4014da: 75 e1                    jne     4014bd <blank_line+0xb>
  4014dc: b8 01 00 00 00           mov     $0x1,%eax
  4014e1: eb 05                    jmp     4014e8 <blank_line+0x36>
  4014e3: b8 00 00 00 00           mov     $0x0,%eax
```

```
  4014e8: 48 83 c4 08              add     $0x8,%rsp
  4014ec: 5b                       pop     %rbx
  4014ed: 5d                       pop     %rbp
  4014ee: c3                       retq

00000000004014ef <skip>:
  4014ef: 53                       push    %rbx
  4014f0: 48 63 05 a5 36 20 00     movslq  0x2036a5(%rip),%rax        # 604b9c
<num_input_strings>
  4014f7: 48 8d 3c 80              lea     (%rax,%rax,4),%rdi
  4014fb: 48 c1 e7 04              shl     $0x4,%rdi
  4014ff: 48 81 c7 c0 4b 60 00     add     $0x604bc0,%rdi
  401506: 48 8b 15 93 36 20 00     mov     0x203693(%rip),%rdx        # 604ba0
<infile>
  40150d: be 50 00 00 00           mov     $0x50,%esi
  401512: e8 99 f6 ff ff           callq   400bb0 <fgets@plt>
  401517: 48 89 c3                 mov     %rax,%rbx
  40151a: 48 85 c0                 test    %rax,%rax
  40151d: 74 0c                    je      40152b <skip+0x3c>
  40151f: 48 89 c7                 mov     %rax,%rdi
  401522: e8 8b ff ff ff           callq   4014b2 <blank_line>
  401527: 85 c0                    test    %eax,%eax
  401529: 75 c5                    jne     4014f0 <skip+0x1>
  40152b: 48 89 d8                 mov     %rbx,%rax
  40152e: 5b                       pop     %rbx
  40152f: c3                       retq

0000000000401530 <send_msg>:
  401530: 48 81 ec 08 40 00 00     sub     $0x4008,%rsp
  401537: 89 fe                    mov     %edi,%esi
  401539: 44 8b 05 5c 36 20 00     mov     0x20365c(%rip),%r8d        # 604b9c
<num_input_strings>
  401540: 41 8d 40 ff              lea     -0x1(%r8),%eax
  401544: 48 98                    cltq
  401546: 4c 8d 0c 80              lea     (%rax,%rax,4),%r9
  40154a: 49 c1 e1 04              shl     $0x4,%r9
  40154e: 49 81 c1 c0 4b 60 00     add     $0x604bc0,%r9
  401555: 4c 89 cf                 mov     %r9,%rdi
  401558: b8 00 00 00 00           mov     $0x0,%eax
  40155d: 48 c7 c1 ff ff ff ff     mov     $0xffffffffffffffff,%rcx
  401564: f2 ae                    repnz scas %es:(%rdi),%al
  401566: 48 f7 d1                 not     %rcx
  401569: 48 83 c1 63              add     $0x63,%rcx
  40156d: 48 81 f9 00 20 00 00     cmp     $0x2000,%rcx
  401574: 76 14                    jbe     40158a <send_msg+0x5a>
  401576: bf c8 26 40 00           mov     $0x4026c8,%edi
  40157b: e8 e0 f5 ff ff           callq   400b60 <printf@plt>
  401580: bf 08 00 00 00           mov     $0x8,%edi
  401585: e8 f6 f6 ff ff           callq   400c80 <exit@plt>
  40158a: 85 f6                    test    %esi,%esi
  40158c: b8 24 28 40 00           mov     $0x402824,%eax
  401591: b9 2c 28 40 00           mov     $0x40282c,%ecx
  401596: 48 0f 45 c8              cmovne  %rax,%rcx
  40159a: 8b 15 c0 31 20 00        mov     0x2031c0(%rip),%edx        # 604760
<bomb_id>
```

```
  4015a0: be 35 28 40 00        mov     $0x402835,%esi
  4015a5: 48 8d bc 24 00 20 00  lea     0x2000(%rsp),%rdi
  4015ac: 00
  4015ad: b8 00 00 00 00        mov     $0x0,%eax
  4015b2: e8 b9 f6 ff ff        callq   400c70 <sprintf@plt>
  4015b7: 48 89 e1             mov     %rsp,%rcx
  4015ba: ba 00 00 00 00        mov     $0x0,%edx
  4015bf: 48 8d b4 24 00 20 00  lea     0x2000(%rsp),%rsi
  4015c6: 00
  4015c7: bf 60 43 60 00        mov     $0x604360,%edi
  4015cc: e8 f7 0c 00 00        callq   4022c8 <driver_post>
  4015d1: 85 c0                test    %eax,%eax
  4015d3: 79 12                jns     4015e7 <send_msg+0xb7>
  4015d5: 48 89 e7             mov     %rsp,%rdi
  4015d8: e8 63 f5 ff ff        callq   400b40 <puts@plt>
  4015dd: bf 00 00 00 00        mov     $0x0,%edi
  4015e2: e8 99 f6 ff ff        callq   400c80 <exit@plt>
  4015e7: 48 81 c4 08 40 00 00  add     $0x4008,%rsp
  4015ee: c3                   retq

00000000004015ef <explode_bomb>:
  4015ef: 48 83 ec 08          sub     $0x8,%rsp
  4015f3: bf 41 28 40 00        mov     $0x402841,%edi
  4015f8: e8 43 f5 ff ff        callq   400b40 <puts@plt>
  4015fd: bf 4a 28 40 00        mov     $0x40284a,%edi
  401602: e8 39 f5 ff ff        callq   400b40 <puts@plt>
  401607: bf 00 00 00 00        mov     $0x0,%edi
  40160c: e8 1f ff ff ff        callq   401530 <send_msg>
  401611: bf f0 26 40 00        mov     $0x4026f0,%edi
  401616: e8 25 f5 ff ff        callq   400b40 <puts@plt>
  40161b: bf 08 00 00 00        mov     $0x8,%edi
  401620: e8 5b f6 ff ff        callq   400c80 <exit@plt>

0000000000401625 <read_six_numbers>:
  401625: 48 83 ec 18          sub     $0x18,%rsp
  401629: 48 89 f2             mov     %rsi,%rdx
  40162c: 48 8d 4e 04          lea     0x4(%rsi),%rcx
  401630: 48 8d 46 14          lea     0x14(%rsi),%rax
  401634: 48 89 44 24 08        mov     %rax,0x8(%rsp)
  401639: 48 8d 46 10          lea     0x10(%rsi),%rax
  40163d: 48 89 04 24          mov     %rax,(%rsp)
  401641: 4c 8d 4e 0c          lea     0xc(%rsi),%r9
  401645: 4c 8d 46 08          lea     0x8(%rsi),%r8
  401649: be 61 28 40 00        mov     $0x402861,%esi
  40164e: b8 00 00 00 00        mov     $0x0,%eax
  401653: e8 d8 f5 ff ff        callq   400c30 <__isoc99_sscanf@plt>
  401658: 83 f8 05             cmp     $0x5,%eax
  40165b: 7f 05                jg      401662 <read_six_numbers+0x3d>
  40165d: e8 8d ff ff ff        callq   4015ef <explode_bomb>
  401662: 48 83 c4 18          add     $0x18,%rsp
  401666: c3                   retq

0000000000401667 <read_line>:
  401667: 48 83 ec 08          sub     $0x8,%rsp
  40166b: b8 00 00 00 00        mov     $0x0,%eax
```

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  401670: e8 7a fe ff ff        callq   4014ef <skip>
  401675: 48 85 c0             test    %rax,%rax
  401678: 75 6e                jne     4016e8 <read_line+0x81>
  40167a: 48 8b 05 07 35 20 00  mov     0x203507(%rip),%rax     # 604b88
<stdin@@GLIBC_2.2.5>
  401681: 48 39 05 18 35 20 00  cmp     %rax,0x203518(%rip)     # 604ba0
<infile>
  401688: 75 14                jne     40169e <read_line+0x37>
  40168a: bf 73 28 40 00        mov     $0x402873,%edi
  40168f: e8 ac f4 ff ff        callq   400b40 <puts@plt>
  401694: bf 08 00 00 00        mov     $0x8,%edi
  401699: e8 e2 f5 ff ff        callq   400c80 <exit@plt>
  40169e: bf 91 28 40 00        mov     $0x402891,%edi
  4016a3: e8 58 f4 ff ff        callq   400b00 <getenv@plt>
  4016a8: 48 85 c0             test    %rax,%rax
  4016ab: 74 0a                je      4016b7 <read_line+0x50>
  4016ad: bf 00 00 00 00        mov     $0x0,%edi
  4016b2: e8 c9 f5 ff ff        callq   400c80 <exit@plt>
  4016b7: 48 8b 05 ca 34 20 00  mov     0x2034ca(%rip),%rax     # 604b88
<stdin@@GLIBC_2.2.5>
  4016be: 48 89 05 db 34 20 00  mov     %rax,0x2034db(%rip)     # 604ba0
<infile>
  4016c5: b8 00 00 00 00        mov     $0x0,%eax
  4016ca: e8 20 fe ff ff        callq   4014ef <skip>
  4016cf: 48 85 c0             test    %rax,%rax
  4016d2: 75 14                jne     4016e8 <read_line+0x81>
  4016d4: bf 73 28 40 00        mov     $0x402873,%edi
  4016d9: e8 62 f4 ff ff        callq   400b40 <puts@plt>
  4016de: bf 00 00 00 00        mov     $0x0,%edi
  4016e3: e8 98 f5 ff ff        callq   400c80 <exit@plt>
  4016e8: 8b 15 ae 34 20 00     mov     0x2034ae(%rip),%edx     # 604b9c
<num_input_strings>
  4016ee: 48 63 c2             movslq  %edx,%rax
  4016f1: 48 8d 34 80          lea     (%rax,%rax,4),%rsi
  4016f5: 48 c1 e6 04          shl     $0x4,%rsi
  4016f9: 48 81 c6 c0 4b 60 00  add     $0x604bc0,%rsi
  401700: 48 89 f7             mov     %rsi,%rdi
  401703: b8 00 00 00 00        mov     $0x0,%eax
  401708: 48 c7 c1 ff ff ff ff  mov     $0xffffffffffffffff,%rcx
  40170f: f2 ae                repnz scas %es:(%rdi),%al
  401711: 48 f7 d1             not     %rcx
  401714: 48 83 e9 01          sub     $0x1,%rcx
  401718: 83 f9 4e             cmp     $0x4e,%ecx
  40171b: 7e 46                jle     401763 <read_line+0xfc>
  40171d: bf 9c 28 40 00        mov     $0x40289c,%edi
  401722: e8 19 f4 ff ff        callq   400b40 <puts@plt>
  401727: 8b 05 6f 34 20 00     mov     0x20346f(%rip),%eax     # 604b9c
<num_input_strings>
  40172d: 8d 50 01             lea     0x1(%rax),%edx
  401730: 89 15 66 34 20 00     mov     %edx,0x203466(%rip)     # 604b9c
<num_input_strings>
  401736: 48 98                cltq
  401738: 48 6b c0 50          imul    $0x50,%rax,%rax
  40173c: 48 bf 2a 2a 2a 74 72  movabs  $0x636e7572742a2a2a,%rdi
  401743: 75 6e 63
```

```
  401746: 48 89 b8 c0 4b 60 00    mov    %rdi,0x604bc0(%rax)
  40174d: 48 bf 61 74 65 64 2a    movabs $0x2a2a2a64657461,%rdi
  401754: 2a 2a 00
  401757: 48 89 b8 c8 4b 60 00    mov    %rdi,0x604bc8(%rax)
  40175e: e8 8c fe ff ff          callq  4015ef <explode_bomb>
  401763: 83 e9 01                sub    $0x1,%ecx
  401766: 48 63 c9                movslq %ecx,%rcx
  401769: 48 63 c2                movslq %edx,%rax
  40176c: 48 8d 04 80             lea    (%rax,%rax,4),%rax
  401770: 48 c1 e0 04             shl    $0x4,%rax
  401774: c6 84 01 c0 4b 60 00    movb   $0x0,0x604bc0(%rcx,%rax,1)
  40177b: 00
  40177c: 83 c2 01                add    $0x1,%edx
  40177f: 89 15 17 34 20 00       mov    %edx,0x203417(%rip)        # 604b9c
<num_input_strings>
  401785: 48 89 f0                mov    %rsi,%rax
  401788: 48 83 c4 08             add    $0x8,%rsp
  40178c: c3                      retq

000000000040178d <phase_defused>:
  40178d: 48 83 ec 68             sub    $0x68,%rsp
  401791: bf 01 00 00 00          mov    $0x1,%edi
  401796: e8 95 fd ff ff          callq  401530 <send_msg>
  40179b: 83 3d fa 33 20 00 06    cmpl   $0x6,0x2033fa(%rip)        # 604b9c
<num_input_strings>
  4017a2: 75 6d                   jne    401811 <phase_defused+0x84>
  4017a4: 4c 8d 44 24 10          lea    0x10(%rsp),%r8
  4017a9: 48 8d 4c 24 08          lea    0x8(%rsp),%rcx
  4017ae: 48 8d 54 24 0c          lea    0xc(%rsp),%rdx
  4017b3: be b7 28 40 00          mov    $0x4028b7,%esi
  4017b8: bf b0 4c 60 00          mov    $0x604cb0,%edi
  4017bd: b8 00 00 00 00          mov    $0x0,%eax
  4017c2: e8 69 f4 ff ff          callq  400c30 <__isoc99_sscanf@plt>
  4017c7: 83 f8 03                cmp    $0x3,%eax
  4017ca: 75 31                   jne    4017fd <phase_defused+0x70>
  4017cc: be c0 28 40 00          mov    $0x4028c0,%esi
  4017d1: 48 8d 7c 24 10          lea    0x10(%rsp),%rdi
  4017d6: e8 b3 fb ff ff          callq  40138e <strings_not_equal>
  4017db: 85 c0                   test   %eax,%eax
  4017dd: 75 1e                   jne    4017fd <phase_defused+0x70>
  4017df: bf 18 27 40 00          mov    $0x402718,%edi
  4017e4: e8 57 f3 ff ff          callq  400b40 <puts@plt>
  4017e9: bf 40 27 40 00          mov    $0x402740,%edi
  4017ee: e8 4d f3 ff ff          callq  400b40 <puts@plt>
  4017f3: b8 00 00 00 00          mov    $0x0,%eax
  4017f8: e8 ac fa ff ff          callq  4012a9 <secret_phase>
  4017fd: bf 78 27 40 00          mov    $0x402778,%edi
  401802: e8 39 f3 ff ff          callq  400b40 <puts@plt>
  401807: bf a8 27 40 00          mov    $0x4027a8,%edi
  40180c: e8 2f f3 ff ff          callq  400b40 <puts@plt>
  401811: 48 83 c4 68             add    $0x68,%rsp
  401815: c3                      retq
  401816: 66 2e 0f 1f 84 00 00    nopw   %cs:0x0(%rax,%rax,1)
  40181d: 00 00 00

0000000000401820 <sigalrm_handler>:
  401820: 48 83 ec 08             sub    $0x8,%rsp
  401824: ba 00 00 00 00          mov    $0x0,%edx
  401829: be 10 2a 40 00          mov    $0x402a10,%esi
  40182e: 48 8b 3d 5b 33 20 00    mov    0x20335b(%rip),%rdi        # 604b90
<stderr@@GLIBC_2.2.5>
  401835: b8 00 00 00 00          mov    $0x0,%eax
  40183a: e8 a1 f3 ff ff          callq  400be0 <fprintf@plt>
  40183f: bf 01 00 00 00          mov    $0x1,%edi
  401844: e8 37 f4 ff ff          callq  400c80 <exit@plt>

0000000000401849 <rio_readlineb>:
  401849: 41 57                   push   %r15
  40184b: 41 56                   push   %r14
  40184d: 41 55                   push   %r13
  40184f: 41 54                   push   %r12
  401851: 55                      push   %rbp
  401852: 53                      push   %rbx
  401853: 48 83 ec 38             sub    $0x38,%rsp
  401857: 49 89 f6                mov    %rsi,%r14
  40185a: 48 89 54 24 18          mov    %rdx,0x18(%rsp)
  40185f: 48 83 fa 01             cmp    $0x1,%rdx
  401863: 0f 86 c2 00 00 00       jbe    40192b <rio_readlineb+0xe2>
  401869: 48 89 fb                mov    %rdi,%rbx
  40186c: 41 bd 01 00 00 00       mov    $0x1,%r13d
  401872: 4c 8d 67 10             lea    0x10(%rdi),%r12
  401876: eb 2e                   jmp    4018a6 <rio_readlineb+0x5d>
  401878: ba 00 20 00 00          mov    $0x2000,%edx
  40187d: 4c 89 e6                mov    %r12,%rsi
  401880: 8b 3b                   mov    (%rbx),%edi
  401882: e8 09 f3 ff ff          callq  400b90 <read@plt>
  401887: 89 43 04                mov    %eax,0x4(%rbx)
  40188a: 85 c0                   test   %eax,%eax
  40188c: 79 0f                   jns    40189d <rio_readlineb+0x54>
  40188e: e8 8d f2 ff ff          callq  400b20 <__errno_location@plt>
  401893: 83 38 04                cmpl   $0x4,(%rax)
  401896: 74 0e                   je     4018a6 <rio_readlineb+0x5d>
  401898: e9 9d 00 00 00          jmpq   40193a <rio_readlineb+0xf1>
  40189d: 85 c0                   test   %eax,%eax
  40189f: 90                      nop
  4018a0: 74 6c                   je     40190e <rio_readlineb+0xc5>
  4018a2: 4c 89 63 08             mov    %r12,0x8(%rbx)
  4018a6: 8b 6b 04                mov    0x4(%rbx),%ebp
  4018a9: 85 ed                   test   %ebp,%ebp
  4018ab: 7e cb                   jle    401878 <rio_readlineb+0x2f>
  4018ad: 85 ed                   test   %ebp,%ebp
  4018af: 41 0f 95 c7             setne  %r15b
  4018b3: 41 0f b6 c7             movzbl %r15b,%eax
  4018b7: 89 44 24 0c             mov    %eax,0xc(%rsp)
  4018bb: 45 0f b6 ff             movzbl %r15b,%r15d
  4018bf: 48 8b 4b 08             mov    0x8(%rbx),%rcx
  4018c3: 4c 89 fa                mov    %r15,%rdx
  4018c6: 48 89 4c 24 10          mov    %rcx,0x10(%rsp)
  4018cb: 48 89 ce                mov    %rcx,%rsi
  4018ce: 48 8d 7c 24 2f          lea    0x2f(%rsp),%rdi
```

```
  4018d3: e8 38 f3 ff ff       callq  400c10 <memcpy@plt>
  4018d8: 4c 03 7c 24 10       add    0x10(%rsp),%r15
  4018dd: 4c 89 7b 08          mov    %r15,0x8(%rbx)
  4018e1: 8b 44 24 0c          mov    0xc(%rsp),%eax
  4018e5: 29 c5                sub    %eax,%ebp
  4018e7: 89 6b 04             mov    %ebp,0x4(%rbx)
  4018ea: 83 f8 01             cmp    $0x1,%eax
  4018ed: 75 13                jne    401902 <rio_readlineb+0xb9>
  4018ef: 49 83 c6 01          add    $0x1,%r14
  4018f3: 0f b6 44 24 2f       movzbl 0x2f(%rsp),%eax
  4018f8: 41 88 46 ff          mov    %al,-0x1(%r14)
  4018fc: 3c 0a                cmp    $0xa,%al
  4018fe: 75 18                jne    401918 <rio_readlineb+0xcf>
  401900: eb 2f                jmp    401931 <rio_readlineb+0xe8>
  401902: 83 7c 24 0c 00       cmpl   $0x0,0xc(%rsp)
  401907: 75 3a                jne    401943 <rio_readlineb+0xfa>
  401909: 44 89 e8             mov    %r13d,%eax
  40190c: eb 03                jmp    401911 <rio_readlineb+0xc8>
  40190e: 44 89 e8             mov    %r13d,%eax
  401911: 83 f8 01             cmp    $0x1,%eax
  401914: 75 1b                jne    401931 <rio_readlineb+0xe8>
  401916: eb 34                jmp    40194c <rio_readlineb+0x103>
  401918: 41 83 c5 01          add    $0x1,%r13d
  40191c: 49 63 c5             movslq %r13d,%rax
  40191f: 48 3b 44 24 18       cmp    0x18(%rsp),%rax
  401924: 73 0b                jae    401931 <rio_readlineb+0xe8>
  401926: e9 7b ff ff ff       jmpq   4018a6 <rio_readlineb+0x5d>
  40192b: 41 bd 01 00 00 00    mov    $0x1,%r13d
  401931: 41 c6 06 00          movb   $0x0,(%r14)
  401935: 49 63 c5             movslq %r13d,%rax
  401938: eb 17                jmp    401951 <rio_readlineb+0x108>
  40193a: 48 c7 c0 ff ff ff ff mov    $0xffffffffffffffff,%rax
  401941: eb 0e                jmp    401951 <rio_readlineb+0x108>
  401943: 48 c7 c0 ff ff ff ff mov    $0xffffffffffffffff,%rax
  40194a: eb 05                jmp    401951 <rio_readlineb+0x108>
  40194c: b8 00 00 00 00       mov    $0x0,%eax
  401951: 48 83 c4 38          add    $0x38,%rsp
  401955: 5b                   pop    %rbx
  401956: 5d                   pop    %rbp
  401957: 41 5c                pop    %r12
  401959: 41 5d                pop    %r13
  40195b: 41 5e                pop    %r14
  40195d: 41 5f                pop    %r15
  40195f: c3                   retq

0000000000401960 <submitr>:
  401960: 41 57                push   %r15
  401962: 41 56                push   %r14
  401964: 41 55                push   %r13
  401966: 41 54                push   %r12
  401968: 55                   push   %rbp
  401969: 53                   push   %rbx
  40196a: 48 81 ec 58 a0 00 00 sub    $0xa058,%rsp
  401971: 48 89 fd             mov    %rdi,%rbp
  401974: 41 89 f5             mov    %esi,%r13d
  401977: 48 89 14 24          mov    %rdx,(%rsp)
  40197b: 48 89 4c 24 08       mov    %rcx,0x8(%rsp)
  401980: 4d 89 c7             mov    %r8,%r15
  401983: 4c 89 cb             mov    %r9,%rbx
  401986: 4c 8b b4 24 90 a0 00 mov    0xa090(%rsp),%r14
  40198d: 00
  40198e: c7 84 24 2c 20 00 00 movl   $0x0,0x202c(%rsp)
  401995: 00 00 00 00
  401999: ba 00 00 00 00       mov    $0x0,%edx
  40199e: be 01 00 00 00       mov    $0x1,%esi
  4019a3: bf 02 00 00 00       mov    $0x2,%edi
  4019a8: e8 13 f3 ff ff       callq  400cc0 <socket@plt>
  4019ad: 41 89 c4             mov    %eax,%r12d
  4019b0: 85 c0                test   %eax,%eax
  4019b2: 79 50                jns    401a04 <submitr+0xa4>
  4019b4: 48 b8 45 72 72 6f 72 movabs $0x43203a726f727245,%rax
  4019bb: 3a 20 43
  4019be: 49 89 06             mov    %rax,(%r14)
  4019c1: 48 b8 6c 69 65 6e 74 movabs $0x6e7520746e65696c,%rax
  4019c8: 20 75 6e
  4019cb: 49 89 46 08          mov    %rax,0x8(%r14)
  4019cf: 48 b8 61 62 6c 65 20 movabs $0x206f7420656c6261,%rax
  4019d6: 74 6f 20
  4019d9: 49 89 46 10          mov    %rax,0x10(%r14)
  4019dd: 48 b8 63 72 65 61 74 movabs $0x7320657461657263,%rax
  4019e4: 65 20 73
  4019e7: 49 89 46 18          mov    %rax,0x18(%r14)
  4019eb: 41 c7 46 20 6f 63 6b movl   $0x656b636f,0x20(%r14)
  4019f2: 65
  4019f3: 66 41 c7 46 24 74 00 movw   $0x74,0x24(%r14)
  4019fa: b8 ff ff ff ff       mov    $0xffffffff,%eax
  4019ff: e9 ed 06 00 00       jmpq   4020f1 <submitr+0x791>
  401a04: 48 89 ef             mov    %rbp,%rdi
  401a07: e8 c4 f1 ff ff       callq  400bd0 <gethostbyname@plt>
  401a0c: 48 85 c0             test   %rax,%rax
  401a0f: 75 6b                jne    401a7c <submitr+0x11c>
  401a11: 48 b8 45 72 72 6f 72 movabs $0x44203a726f727245,%rax
  401a18: 3a 20 44
  401a1b: 49 89 06             mov    %rax,(%r14)
  401a1e: 48 b8 4e 53 20 69 73 movabs $0x6e7520736920534e,%rax
  401a25: 20 75 6e
  401a28: 49 89 46 08          mov    %rax,0x8(%r14)
  401a2c: 48 b8 61 62 6c 65 20 movabs $0x206f7420656c6261,%rax
  401a33: 74 6f 20
  401a36: 49 89 46 10          mov    %rax,0x10(%r14)
  401a3a: 48 b8 72 65 73 6f 6c movabs $0x2065766c6f736572,%rax
  401a41: 76 65 20
  401a44: 49 89 46 18          mov    %rax,0x18(%r14)
  401a48: 48 b8 73 65 72 76 65 movabs $0x6120726576726573,%rax
  401a4f: 72 20 61
  401a52: 49 89 46 20          mov    %rax,0x20(%r14)
  401a56: 41 c7 46 28 64 64 72 movl   $0x65726464,0x28(%r14)
  401a5d: 65
  401a5e: 66 41 c7 46 2c 73 73 movw   $0x7373,0x2c(%r14)
  401a65: 41 c6 46 2e 00       movb   $0x0,0x2e(%r14)
```

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401a6a: 44 89 e7                mov    %r12d,%edi
401a6d: e8 0e f1 ff ff          callq  400b80 <close@plt>
401a72: b8 ff ff ff ff          mov    $0xffffffff,%eax
401a77: e9 75 06 00 00          jmpq   4020f1 <submitr+0x791>
401a7c: 48 c7 84 24 40 a0 00    movq   $0x0,0xa040(%rsp)
401a83: 00 00 00 00 00
401a88: 48 c7 84 24 48 a0 00    movq   $0x0,0xa048(%rsp)
401a8f: 00 00 00 00 00
401a94: 66 c7 84 24 40 a0 00    movw   $0x2,0xa040(%rsp)
401a9b: 00 02 00
401a9e: 48 63 50 14             movslq 0x14(%rax),%rdx
401aa2: 48 8d b4 24 44 a0 00    lea    0xa044(%rsp),%rsi
401aa9: 00
401aaa: 48 8b 40 18             mov    0x18(%rax),%rax
401aae: 48 8b 38                mov    (%rax),%rdi
401ab1: e8 8a f1 ff ff          callq  400c40 <bcopy@plt>
401ab6: 66 41 c1 cd 08          ror    $0x8,%r13w
401abb: 66 44 89 ac 24 42 a0    mov    %r13w,0xa042(%rsp)
401ac2: 00 00
401ac4: ba 10 00 00 00          mov    $0x10,%edx
401ac9: 48 8d b4 24 40 a0 00    lea    0xa040(%rsp),%rsi
401ad0: 00
401ad1: 44 89 e7                mov    %r12d,%edi
401ad4: e8 b7 f1 ff ff          callq  400c90 <connect@plt>
401ad9: 85 c0                   test   %eax,%eax
401adb: 79 5d                   jns    401b3a <submitr+0x1da>
401add: 48 b8 45 72 72 6f 72    movabs $0x55203a726f727245,%rax
401ae4: 3a 20 55
401ae7: 49 89 06                mov    %rax,(%r14)
401aea: 48 b8 6e 61 62 6c 65    movabs $0x6f7420656c62616e,%rax
401af1: 20 74 6f
401af4: 49 89 46 08             mov    %rax,0x8(%r14)
401af8: 48 b8 20 63 6f 6e 6e    movabs $0x7463656e6e6f6320,%rax
401aff: 65 63 74
401b02: 49 89 46 10             mov    %rax,0x10(%r14)
401b06: 48 b8 20 74 6f 20 74    movabs $0x20656874206f7420,%rax
401b0d: 68 65 20
401b10: 49 89 46 18             mov    %rax,0x18(%r14)
401b14: 41 c7 46 20 73 65 72    movl   $0x76726573,0x20(%r14)
401b1b: 76
401b1c: 66 41 c7 46 24 65 72    movw   $0x7265,0x24(%r14)
401b23: 41 c6 46 26 00          movb   $0x0,0x26(%r14)
401b28: 44 89 e7                mov    %r12d,%edi
401b2b: e8 50 f0 ff ff          callq  400b80 <close@plt>
401b30: b8 ff ff ff ff          mov    $0xffffffff,%eax
401b35: e9 b7 05 00 00          jmpq   4020f1 <submitr+0x791>
401b3a: 48 c7 c2 ff ff ff ff    mov    $0xffffffffffffffff,%rdx
401b41: 48 89 df                mov    %rbx,%rdi
401b44: b8 00 00 00 00          mov    $0x0,%eax
401b49: 48 89 d1                mov    %rdx,%rcx
401b4c: f2 ae                   repnz scas %es:(%rdi),%al
401b4e: 48 f7 d1                not    %rcx
401b51: 48 89 ce                mov    %rcx,%rsi
401b54: 48 8b 3c 24             mov    (%rsp),%rdi
401b58: 48 89 d1                mov    %rdx,%rcx
401b5b: f2 ae                   repnz scas %es:(%rdi),%al
401b5d: 49 89 c8                mov    %rcx,%r8
401b60: 48 8b 7c 24 08          mov    0x8(%rsp),%rdi
401b65: 48 89 d1                mov    %rdx,%rcx
401b68: f2 ae                   repnz scas %es:(%rdi),%al
401b6a: 48 f7 d1                not    %rcx
401b6d: 49 89 c9                mov    %rcx,%r9
401b70: 4c 89 ff                mov    %r15,%rdi
401b73: 48 89 d1                mov    %rdx,%rcx
401b76: f2 ae                   repnz scas %es:(%rdi),%al
401b78: 4d 29 c1                sub    %r8,%r9
401b7b: 49 29 c9                sub    %rcx,%r9
401b7e: 48 8d 44 76 fd          lea    -0x3(%rsi,%rsi,2),%rax
401b83: 49 8d 44 01 7b          lea    0x7b(%r9,%rax,1),%rax
401b88: 48 3d 00 20 00 00       cmp    $0x2000,%rax
401b8e: 76 73                   jbe    401c03 <submitr+0x2a3>
401b90: 48 b8 45 72 72 6f 72    movabs $0x52203a726f727245,%rax
401b97: 3a 20 52
401b9a: 49 89 06                mov    %rax,(%r14)
401b9d: 48 b8 65 73 75 6c 74    movabs $0x747320746c757365,%rax
401ba4: 20 73 74
401ba7: 49 89 46 08             mov    %rax,0x8(%r14)
401bab: 48 b8 72 69 6e 67 20    movabs $0x6f6f7420676e6972,%rax
401bb2: 74 6f 6f
401bb5: 49 89 46 10             mov    %rax,0x10(%r14)
401bb9: 48 b8 20 6c 61 72 67    movabs $0x202e656772616c20,%rax
401bc0: 65 2e 20
401bc3: 49 89 46 18             mov    %rax,0x18(%r14)
401bc7: 48 b8 49 6e 63 72 65    movabs $0x6573616572636e49,%rax
401bce: 61 73 65
401bd1: 49 89 46 20             mov    %rax,0x20(%r14)
401bd5: 48 b8 20 53 55 42 4d    movabs $0x5254494d42555320,%rax
401bdc: 49 54 52
401bdf: 49 89 46 28             mov    %rax,0x28(%r14)
401be3: 48 b8 5f 4d 41 58 42    movabs $0x46554258414d5f,%rax
401bea: 55 46 00
401bed: 49 89 46 30             mov    %rax,0x30(%r14)
401bf1: 44 89 e7                mov    %r12d,%edi
401bf4: e8 87 ef ff ff          callq  400b80 <close@plt>
401bf9: b8 ff ff ff ff          mov    $0xffffffff,%eax
401bfe: e9 ee 04 00 00          jmpq   4020f1 <submitr+0x791>
401c03: 48 8d 94 24 30 40 00    lea    0x4030(%rsp),%rdx
401c0a: 00
401c0b: b9 00 04 00 00          mov    $0x400,%ecx
401c10: b8 00 00 00 00          mov    $0x0,%eax
401c15: 48 89 d7                mov    %rdx,%rdi
401c18: f3 48 ab                rep stos %rax,%es:(%rdi)
401c1b: 48 89 df                mov    %rbx,%rdi
401c1e: 48 c7 c1 ff ff ff ff    mov    $0xffffffffffffffff,%rcx
401c25: f2 ae                   repnz scas %es:(%rdi),%al
401c27: 48 f7 d1                not    %rcx
401c2a: 48 83 e9 01             sub    $0x1,%rcx
401c2e: 85 c9                   test   %ecx,%ecx
401c30: 0f 84 d2 03 00 00       je     402008 <submitr+0x6a8>
401c36: 83 e9 01                sub    $0x1,%ecx
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```
401c39: 4c 8d 6c 0b 01        lea     0x1(%rbx,%rcx,1),%r13
401c3e: 48 89 d5              mov     %rdx,%rbp
401c41: 0f b6 13              movzbl  (%rbx),%edx
401c44: 80 fa 2a              cmp     $0x2a,%dl
401c47: 74 1f                 je      401c68 <submitr+0x308>
401c49: 8d 42 d3              lea     -0x2d(%rdx),%eax
401c4c: 3c 01                 cmp     $0x1,%al
401c4e: 76 18                 jbe     401c68 <submitr+0x308>
401c50: 80 fa 5f              cmp     $0x5f,%dl
401c53: 74 13                 je      401c68 <submitr+0x308>
401c55: 8d 42 d0              lea     -0x30(%rdx),%eax
401c58: 3c 09                 cmp     $0x9,%al
401c5a: 76 0c                 jbe     401c68 <submitr+0x308>
401c5c: 89 d0                 mov     %edx,%eax
401c5e: 83 e0 df              and     $0xffffffdf,%eax
401c61: 83 e8 41              sub     $0x41,%eax
401c64: 3c 19                 cmp     $0x19,%al
401c66: 77 09                 ja      401c71 <submitr+0x311>
401c68: 48 8d 45 01           lea     0x1(%rbp),%rax
401c6c: 88 55 00              mov     %dl,0x0(%rbp)
401c6f: eb 52                 jmp     401cc3 <submitr+0x363>
401c71: 80 fa 20              cmp     $0x20,%dl
401c74: 75 0a                 jne     401c80 <submitr+0x320>
401c76: 48 8d 45 01           lea     0x1(%rbp),%rax
401c7a: c6 45 00 2b           movb    $0x2b,0x0(%rbp)
401c7e: eb 43                 jmp     401cc3 <submitr+0x363>
401c80: 8d 42 e0              lea     -0x20(%rdx),%eax
401c83: 3c 5f                 cmp     $0x5f,%al
401c85: 76 09                 jbe     401c90 <submitr+0x330>
401c87: 80 fa 09              cmp     $0x9,%dl
401c8a: 0f 85 d9 03 00 00     jne     402069 <submitr+0x709>
401c90: 0f b6 d2              movzbl  %dl,%edx
401c93: be e0 2a 40 00        mov     $0x402ae0,%esi
401c98: 48 8d 7c 24 10        lea     0x10(%rsp),%rdi
401c9d: b8 00 00 00 00        mov     $0x0,%eax
401ca2: e8 c9 ef ff ff        callq   400c70 <sprintf@plt>
401ca7: 0f b6 44 24 10        movzbl  0x10(%rsp),%eax
401cac: 88 45 00              mov     %al,0x0(%rbp)
401caf: 0f b6 44 24 11        movzbl  0x11(%rsp),%eax
401cb4: 88 45 01              mov     %al,0x1(%rbp)
401cb7: 48 8d 45 03           lea     0x3(%rbp),%rax
401cbb: 0f b6 54 24 12        movzbl  0x12(%rsp),%edx
401cc0: 88 55 02              mov     %dl,0x2(%rbp)
401cc3: 48 83 c3 01           add     $0x1,%rbx
401cc7: 4c 39 eb              cmp     %r13,%rbx
401cca: 0f 84 38 03 00 00     je      402008 <submitr+0x6a8>
401cd0: 48 89 c5              mov     %rax,%rbp
401cd3: e9 69 ff ff ff        jmpq    401c41 <submitr+0x2e1>
401cd8: 48 89 da              mov     %rbx,%rdx
401cdb: 48 89 ee              mov     %rbp,%rsi
401cde: 44 89 e7              mov     %r12d,%edi
401ce1: e8 6a ee ff ff        callq   400b50 <write@plt>
401ce6: 48 85 c0              test    %rax,%rax
401ce9: 7f 0f                 jg      401cfa <submitr+0x39a>
401ceb: e8 30 ee ff ff        callq   400b20 <__errno_location@plt>

401cf0: 83 38 04              cmpl    $0x4,(%rax)
401cf3: 75 12                 jne     401d07 <submitr+0x3a7>
401cf5: b8 00 00 00 00        mov     $0x0,%eax
401cfa: 48 01 c5              add     %rax,%rbp
401cfd: 48 29 c3              sub     %rax,%rbx
401d00: 75 d6                 jne     401cd8 <submitr+0x378>
401d02: 4d 85 ed              test    %r13,%r13
401d05: 79 5f                 jns     401d66 <submitr+0x406>
401d07: 48 b8 45 72 72 6f 72  movabs  $0x43203a726f727245,%rax
401d0e: 3a 20 43
401d11: 49 89 06              mov     %rax,(%r14)
401d14: 48 b8 6c 69 65 6e 74  movabs  $0x6e7520746e65696c,%rax
401d1b: 20 75 6e
401d1e: 49 89 46 08           mov     %rax,0x8(%r14)
401d22: 48 b8 61 62 6c 65 20  movabs  $0x206f7420656c6261,%rax
401d29: 74 6f 20
401d2c: 49 89 46 10           mov     %rax,0x10(%r14)
401d30: 48 b8 77 72 69 74 65  movabs  $0x6f74206574697277,%rax
401d37: 20 74 6f
401d3a: 49 89 46 18           mov     %rax,0x18(%r14)
401d3e: 48 b8 20 74 68 65 20  movabs  $0x7265732065687420,%rax
401d45: 73 65 72
401d48: 49 89 46 20           mov     %rax,0x20(%r14)
401d4c: 41 c7 46 28 76 65 72  movl    $0x726576,0x28(%r14)
401d53: 00
401d54: 44 89 e7              mov     %r12d,%edi
401d57: e8 24 ee ff ff        callq   400b80 <close@plt>
401d5c: b8 ff ff ff ff        mov     $0xffffffff,%eax
401d61: e9 8b 03 00 00        jmpq    4020f1 <submitr+0x791>
401d66: 44 89 a4 24 30 80 00  mov     %r12d,0x8030(%rsp)
401d6d: 00
401d6e: c7 84 24 34 80 00 00  movl    $0x0,0x8034(%rsp)
401d75: 00 00 00 00
401d79: 48 8d 84 24 40 80 00  lea     0x8040(%rsp),%rax
401d80: 00
401d81: 48 89 84 24 38 80 00  mov     %rax,0x8038(%rsp)
401d88: 00
401d89: ba 00 20 00 00        mov     $0x2000,%edx
401d8e: 48 8d b4 24 30 60 00  lea     0x6030(%rsp),%rsi
401d95: 00
401d96: 48 8d bc 24 30 80 00  lea     0x8030(%rsp),%rdi
401d9d: 00
401d9e: e8 a6 fa ff ff        callq   401849 <rio_readlineb>
401da3: 48 85 c0              test    %rax,%rax
401da6: 7f 74                 jg      401e1c <submitr+0x4bc>
401da8: 48 b8 45 72 72 6f 72  movabs  $0x43203a726f727245,%rax
401daf: 3a 20 43
401db2: 49 89 06              mov     %rax,(%r14)
401db5: 48 b8 6c 69 65 6e 74  movabs  $0x6e7520746e65696c,%rax
401dbc: 20 75 6e
401dbf: 49 89 46 08           mov     %rax,0x8(%r14)
401dc3: 48 b8 61 62 6c 65 20  movabs  $0x206f7420656c6261,%rax
401dca: 74 6f 20
401dcd: 49 89 46 10           mov     %rax,0x10(%r14)
401dd1: 48 b8 72 65 61 64 20  movabs  $0x7269662064616572,%rax
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401dd8: 66 69 72
401ddb: 49 89 46 18            mov    %rax,0x18(%r14)
401ddf: 48 b8 73 74 20 68 65   movabs $0x6564616568207473,%rax
401de6: 61 64 65
401de9: 49 89 46 20            mov    %rax,0x20(%r14)
401ded: 48 b8 72 20 66 72 6f   movabs $0x73206d6f72662072,%rax
401df4: 6d 20 73
401df7: 49 89 46 28            mov    %rax,0x28(%r14)
401dfb: 41 c7 46 30 65 72 76   movl   $0x65767265,0x30(%r14)
401e02: 65
401e03: 66 41 c7 46 34 72 00   movw   $0x72,0x34(%r14)
401e0a: 44 89 e7               mov    %r12d,%edi
401e0d: e8 6e ed ff ff         callq  400b80 <close@plt>
401e12: b8 ff ff ff ff         mov    $0xffffffff,%eax
401e17: e9 d5 02 00 00         jmpq   4020f1 <submitr+0x791>
401e1c: 4c 8d 44 24 20         lea    0x20(%rsp),%r8
401e21: 48 8d 8c 24 2c 20 00   lea    0x202c(%rsp),%rcx
401e28: 00
401e29: 48 8d 94 24 30 20 00   lea    0x2030(%rsp),%rdx
401e30: 00
401e31: be e7 2a 40 00         mov    $0x402ae7,%esi
401e36: 48 8d bc 24 30 60 00   lea    0x6030(%rsp),%rdi
401e3d: 00
401e3e: b8 00 00 00 00         mov    $0x0,%eax
401e43: e8 e8 ed ff ff         callq  400c30 <__isoc99_sscanf@plt>
401e48: 8b 94 24 2c 20 00 00   mov    0x202c(%rsp),%edx
401e4f: 81 fa c8 00 00 00      cmp    $0xc8,%edx
401e55: 0f 84 b2 00 00 00      je     401f0d <submitr+0x5ad>
401e5b: 48 8d 4c 24 20         lea    0x20(%rsp),%rcx
401e60: be 38 2a 40 00         mov    $0x402a38,%esi
401e65: 4c 89 f7               mov    %r14,%rdi
401e68: b8 00 00 00 00         mov    $0x0,%eax
401e6d: e8 fe ed ff ff         callq  400c70 <sprintf@plt>
401e72: 44 89 e7               mov    %r12d,%edi
401e75: e8 06 ed ff ff         callq  400b80 <close@plt>
401e7a: b8 ff ff ff ff         mov    $0xffffffff,%eax
401e7f: e9 6d 02 00 00         jmpq   4020f1 <submitr+0x791>
401e84: ba 00 20 00 00         mov    $0x2000,%edx
401e89: 48 8d b4 24 30 60 00   lea    0x6030(%rsp),%rsi
401e90: 00
401e91: 48 8d bc 24 30 80 00   lea    0x8030(%rsp),%rdi
401e98: 00
401e99: e8 ab f9 ff ff         callq  401849 <rio_readlineb>
401e9e: 48 85 c0               test   %rax,%rax
401ea1: 7f 6a                  jg     401f0d <submitr+0x5ad>
401ea3: 48 b8 45 72 72 6f 72   movabs $0x43203a726f727245,%rax
401eaa: 3a 20 43
401ead: 49 89 06               mov    %rax,(%r14)
401eb0: 48 b8 6c 69 65 6e 74   movabs $0x6e7520746e65696c,%rax
401eb7: 20 75 6e
401eba: 49 89 46 08            mov    %rax,0x8(%r14)
401ebe: 48 b8 61 62 6c 65 20   movabs $0x206f7420656c6261,%rax
401ec5: 74 6f 20
401ec8: 49 89 46 10            mov    %rax,0x10(%r14)
401ecc: 48 b8 72 65 61 64 20   movabs $0x6165682064616572,%rax
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401ed3: 68 65 61
401ed6: 49 89 46 18            mov    %rax,0x18(%r14)
401eda: 48 b8 64 65 72 73 20   movabs $0x6f72622073726564,%rax
401ee1: 66 72 6f
401ee4: 49 89 46 20            mov    %rax,0x20(%r14)
401ee8: 48 b8 6d 20 73 65 72   movabs $0x726576726573206d,%rax
401eef: 76 65 72
401ef2: 49 89 46 28            mov    %rax,0x28(%r14)
401ef6: 41 c6 46 30 00         movb   $0x0,0x30(%r14)
401efb: 44 89 e7               mov    %r12d,%edi
401efe: e8 7d ec ff ff         callq  400b80 <close@plt>
401f03: b8 ff ff ff ff         mov    $0xffffffff,%eax
401f08: e9 e4 01 00 00         jmpq   4020f1 <submitr+0x791>
401f0d: 80 bc 24 30 60 00 00   cmpb   $0xd,0x6030(%rsp)
401f14: 0d
401f15: 0f 85 69 ff ff ff      jne    401e84 <submitr+0x524>
401f1b: 80 bc 24 31 60 00 00   cmpb   $0xa,0x6031(%rsp)
401f22: 0a
401f23: 0f 85 5b ff ff ff      jne    401e84 <submitr+0x524>
401f29: 80 bc 24 32 60 00 00   cmpb   $0x0,0x6032(%rsp)
401f30: 00
401f31: 0f 85 4d ff ff ff      jne    401e84 <submitr+0x524>
401f37: ba 00 20 00 00         mov    $0x2000,%edx
401f3c: 48 8d b4 24 30 60 00   lea    0x6030(%rsp),%rsi
401f43: 00
401f44: 48 8d bc 24 30 80 00   lea    0x8030(%rsp),%rdi
401f4b: 00
401f4c: e8 f8 f8 ff ff         callq  401849 <rio_readlineb>
401f51: 48 85 c0               test   %rax,%rax
401f54: 7f 73                  jg     401fc9 <submitr+0x669>
401f56: 48 b8 45 72 72 6f 72   movabs $0x43203a726f727245,%rax
401f5d: 3a 20 43
401f60: 49 89 06               mov    %rax,(%r14)
401f63: 48 b8 6c 69 65 6e 74   movabs $0x6e7520746e65696c,%rax
401f6a: 20 75 6e
401f6d: 49 89 46 08            mov    %rax,0x8(%r14)
401f71: 48 b8 61 62 6c 65 20   movabs $0x206f7420656c6261,%rax
401f78: 74 6f 20
401f7b: 49 89 46 10            mov    %rax,0x10(%r14)
401f7f: 48 b8 72 65 61 64 20   movabs $0x6174732064616572,%rax
401f86: 73 74 61
401f89: 49 89 46 18            mov    %rax,0x18(%r14)
401f8d: 48 b8 74 75 73 20 6d   movabs $0x7373656d20737574,%rax
401f94: 65 73 73
401f97: 49 89 46 20            mov    %rax,0x20(%r14)
401f9b: 48 b8 61 67 65 20 66   movabs $0x6d6f726620656761,%rax
401fa2: 72 6f 6d
401fa5: 49 89 46 28            mov    %rax,0x28(%r14)
401fa9: 48 b8 20 73 65 72 76   movabs $0x72657672657320,%rax
401fb0: 65 72 00
401fb3: 49 89 46 30            mov    %rax,0x30(%r14)
401fb7: 44 89 e7               mov    %r12d,%edi
401fba: e8 c1 eb ff ff         callq  400b80 <close@plt>
401fbf: b8 ff ff ff ff         mov    $0xffffffff,%eax
401fc4: e9 28 01 00 00         jmpq   4020f1 <submitr+0x791>
```

```
401fc9: 48 8d b4 24 30 60 00    lea     0x6030(%rsp),%rsi
401fd0: 00
401fd1: 4c 89 f7                mov     %r14,%rdi
401fd4: e8 57 eb ff ff          callq   400b30 <strcpy@plt>
401fd9: 44 89 e7                mov     %r12d,%edi
401fdc: e8 9f eb ff ff          callq   400b80 <close@plt>
401fe1: 41 0f b6 06             movzbl  (%r14),%eax
401fe5: 83 e8 4f                sub     $0x4f,%eax
401fe8: 75 0f                   jne     401ff9 <submitr+0x699>
401fea: 41 0f b6 46 01          movzbl  0x1(%r14),%eax
401fef: 83 e8 4b                sub     $0x4b,%eax
401ff2: 75 05                   jne     401ff9 <submitr+0x699>
401ff4: 41 0f b6 46 02          movzbl  0x2(%r14),%eax
401ff9: 85 c0                   test    %eax,%eax
401ffb: 0f 95 c0                setne   %al
401ffe: 0f b6 c0                movzbl  %al,%eax
402001: f7 d8                   neg     %eax
402003: e9 e9 00 00 00          jmpq    4020f1 <submitr+0x791>
402008: 4c 8d 8c 24 30 40 00    lea     0x4030(%rsp),%r9
40200f: 00
402010: 4d 89 f8                mov     %r15,%r8
402013: 48 8b 4c 24 08          mov     0x8(%rsp),%rcx
402018: 48 8b 14 24             mov     (%rsp),%rdx
40201c: be 68 2a 40 00          mov     $0x402a68,%esi
402021: 48 8d bc 24 30 60 00    lea     0x6030(%rsp),%rdi
402028: 00
402029: b8 00 00 00 00          mov     $0x0,%eax
40202e: e8 3d ec ff ff          callq   400c70 <sprintf@plt>
402033: 48 8d bc 24 30 60 00    lea     0x6030(%rsp),%rdi
40203a: 00
40203b: b8 00 00 00 00          mov     $0x0,%eax
402040: 48 c7 c1 ff ff ff ff    mov     $0xffffffffffffffff,%rcx
402047: f2 ae                   repnz scas %es:(%rdi),%al
402049: 48 f7 d1                not     %rcx
40204c: 48 83 e9 01             sub     $0x1,%rcx
402050: 49 89 cd                mov     %rcx,%r13
402053: 0f 84 0d fd ff ff       je      401d66 <submitr+0x406>
402059: 48 89 cb                mov     %rcx,%rbx
40205c: 48 8d ac 24 30 60 00    lea     0x6030(%rsp),%rbp
402063: 00
402064: e9 6f fc ff ff          jmpq    401cd8 <submitr+0x378>
402069: 48 b8 45 72 72 6f 72    movabs  $0x52203a726f727245,%rax
402070: 3a 20 52
402073: 49 89 06                mov     %rax,(%r14)
402076: 48 b8 65 73 75 6c 74    movabs  $0x747320746c757365,%rax
40207d: 20 73 74
402080: 49 89 46 08             mov     %rax,0x8(%r14)
402084: 48 b8 72 69 6e 67 20    movabs  $0x6e6f6320676e6972,%rax
40208b: 63 6f 6e
40208e: 49 89 46 10             mov     %rax,0x10(%r14)
402092: 48 b8 74 61 69 6e 73    movabs  $0x6e6120736e696174,%rax
402099: 20 61 6e
40209c: 49 89 46 18             mov     %rax,0x18(%r14)
4020a0: 48 b8 20 69 6c 6c 65    movabs  $0x6c6167656c6c6920,%rax
4020a7: 67 61 6c
4020aa: 49 89 46 20             mov     %rax,0x20(%r14)
4020ae: 48 b8 20 6f 72 20 75    movabs  $0x72706e6520726f20,%rax
4020b5: 6e 70 72
4020b8: 49 89 46 28             mov     %rax,0x28(%r14)
4020bc: 48 b8 69 6e 74 61 62    movabs  $0x20656c6261746e69,%rax
4020c3: 6c 65 20
4020c6: 49 89 46 30             mov     %rax,0x30(%r14)
4020ca: 48 b8 63 68 61 72 61    movabs  $0x6574436172616863,%rax
4020d1: 63 74 65
4020d4: 49 89 46 38             mov     %rax,0x38(%r14)
4020d8: 66 41 c7 46 40 72 2e    movw    $0x2e72,0x40(%r14)
4020df: 41 c6 46 42 00          movb    $0x0,0x42(%r14)
4020e4: 44 89 e7                mov     %r12d,%edi
4020e7: e8 94 ea ff ff          callq   400b80 <close@plt>
4020ec: b8 ff ff ff ff          mov     $0xffffffff,%eax
4020f1: 48 81 c4 58 a0 00 00    add     $0xa058,%rsp
4020f8: 5b                      pop     %rbx
4020f9: 5d                      pop     %rbp
4020fa: 41 5c                   pop     %r12
4020fc: 41 5d                   pop     %r13
4020fe: 41 5e                   pop     %r14
402100: 41 5f                   pop     %r15
402102: c3                      retq

0000000000402103 <init_timeout>:
402103: 53                      push    %rbx
402104: 89 fb                   mov     %edi,%ebx
402106: 85 ff                   test    %edi,%edi
402108: 74 1e                   je      402128 <init_timeout+0x25>
40210a: be 20 18 40 00          mov     $0x401820,%esi
40210f: bf 0e 00 00 00          mov     $0xe,%edi
402114: e8 a7 ea ff ff          callq   400bc0 <signal@plt>
402119: 85 db                   test    %ebx,%ebx
40211b: bf 00 00 00 00          mov     $0x0,%edi
402120: 0f 49 fb                cmovns  %ebx,%edi
402123: e8 48 ea ff ff          callq   400b70 <alarm@plt>
402128: 5b                      pop     %rbx
402129: c3                      retq

000000000040212a <init_driver>:
40212a: 55                      push    %rbp
40212b: 53                      push    %rbx
40212c: 48 83 ec 18             sub     $0x18,%rsp
402130: 48 89 fd                mov     %rdi,%rbp
402133: be 01 00 00 00          mov     $0x1,%esi
402138: bf 0d 00 00 00          mov     $0xd,%edi
40213d: e8 7e ea ff ff          callq   400bc0 <signal@plt>
402142: be 01 00 00 00          mov     $0x1,%esi
402147: bf 1d 00 00 00          mov     $0x1d,%edi
40214c: e8 6f ea ff ff          callq   400bc0 <signal@plt>
402151: be 01 00 00 00          mov     $0x1,%esi
402156: bf 1d 00 00 00          mov     $0x1d,%edi
40215b: e8 60 ea ff ff          callq   400bc0 <signal@plt>
402160: ba 00 00 00 00          mov     $0x0,%edx
402165: be 01 00 00 00          mov     $0x1,%esi
```

```
  40216a: bf 02 00 00 00          mov    $0x2,%edi
  40216f: e8 4c eb ff ff          callq  400cc0 <socket@plt>
  402174: 89 c3                   mov    %eax,%ebx
  402176: 85 c0                   test   %eax,%eax
  402178: 79 4f                   jns    4021c9 <init_driver+0x9f>
  40217a: 48 b8 45 72 72 6f 72    movabs $0x43203a726f727245,%rax
  402181: 3a 20 43
  402184: 48 89 45 00             mov    %rax,0x0(%rbp)
  402188: 48 b8 6c 69 65 6e 74    movabs $0x6e7520746e65696c,%rax
  40218f: 20 75 6e
  402192: 48 89 45 08             mov    %rax,0x8(%rbp)
  402196: 48 b8 61 62 6c 65 20    movabs $0x206f7420656c6261,%rax
  40219d: 74 6f 20
  4021a0: 48 89 45 10             mov    %rax,0x10(%rbp)
  4021a4: 48 b8 63 72 65 61 74    movabs $0x7320657461657263,%rax
  4021ab: 65 20 73
  4021ae: 48 89 45 18             mov    %rax,0x18(%rbp)
  4021b2: c7 45 20 6f 63 6b 65    movl   $0x656b636f,0x20(%rbp)
  4021b9: 66 c7 45 24 74 00       movw   $0x74,0x24(%rbp)
  4021bf: b8 ff ff ff ff          mov    $0xffffffff,%eax
  4021c4: e9 f8 00 00 00          jmpq   4022c1 <init_driver+0x197>
  4021c9: bf f8 2a 40 00          mov    $0x402af8,%edi
  4021ce: e8 fd e9 ff ff          callq  400bd0 <gethostbyname@plt>
  4021d3: 48 85 c0                test   %rax,%rax
  4021d6: 75 68                   jne    402240 <init_driver+0x116>
  4021d8: 48 b8 45 72 72 6f 72    movabs $0x44203a726f727245,%rax
  4021df: 3a 20 44
  4021e2: 48 89 45 00             mov    %rax,0x0(%rbp)
  4021e6: 48 b8 4e 53 20 69 73    movabs $0x6e7520736920534e,%rax
  4021ed: 20 75 6e
  4021f0: 48 89 45 08             mov    %rax,0x8(%rbp)
  4021f4: 48 b8 61 62 6c 65 20    movabs $0x206f7420656c6261,%rax
  4021fb: 74 6f 20
  4021fe: 48 89 45 10             mov    %rax,0x10(%rbp)
  402202: 48 b8 72 65 73 6f 6c    movabs $0x2065766c6f736572,%rax
  402209: 76 65 20
  40220c: 48 89 45 18             mov    %rax,0x18(%rbp)
  402210: 48 b8 73 65 72 76 65    movabs $0x6120726576726573,%rax
  402217: 72 20 61
  40221a: 48 89 45 20             mov    %rax,0x20(%rbp)
  40221e: c7 45 28 64 64 72 65    movl   $0x65726464,0x28(%rbp)
  402225: 66 c7 45 2c 73 73       movw   $0x7373,0x2c(%rbp)
  40222b: c6 45 2e 00             movb   $0x0,0x2e(%rbp)
  40222f: 89 df                   mov    %ebx,%edi
  402231: e8 4a e9 ff ff          callq  400b80 <close@plt>
  402236: b8 ff ff ff ff          mov    $0xffffffff,%eax
  40223b: e9 81 00 00 00          jmpq   4022c1 <init_driver+0x197>
  402240: 48 c7 04 24 00 00 00    movq   $0x0,(%rsp)
  402247: 00
  402248: 48 c7 44 24 08 00 00    movq   $0x0,0x8(%rsp)
  40224f: 00 00
  402251: 66 c7 04 24 02 00       movw   $0x2,(%rsp)
  402257: 48 63 50 14             movslq 0x14(%rax),%rdx
  40225b: 48 8d 74 24 04          lea    0x4(%rsp),%rsi
  402260: 48 8b 40 18             mov    0x18(%rax),%rax
  402264: 48 8b 38                mov    (%rax),%rdi
  402267: e8 d4 e9 ff ff          callq  400c40 <bcopy@plt>
  40226c: 66 c7 44 24 02 3b 6e    movw   $0x6e3b,0x2(%rsp)
  402273: ba 10 00 00 00          mov    $0x10,%edx
  402278: 48 89 e6                mov    %rsp,%rsi
  40227b: 89 df                   mov    %ebx,%edi
  40227d: e8 0e ea ff ff          callq  400c90 <connect@plt>
  402282: 85 c0                   test   %eax,%eax
  402284: 79 25                   jns    4022ab <init_driver+0x181>
  402286: ba f8 2a 40 00          mov    $0x402af8,%edx
  40228b: be b8 2a 40 00          mov    $0x402ab8,%esi
  402290: 48 89 ef                mov    %rbp,%rdi
  402293: b8 00 00 00 00          mov    $0x0,%eax
  402298: e8 d3 e9 ff ff          callq  400c70 <sprintf@plt>
  40229d: 89 df                   mov    %ebx,%edi
  40229f: e8 dc e8 ff ff          callq  400b80 <close@plt>
  4022a4: b8 ff ff ff ff          mov    $0xffffffff,%eax
  4022a9: eb 16                   jmp    4022c1 <init_driver+0x197>
  4022ab: 89 df                   mov    %ebx,%edi
  4022ad: e8 ce e8 ff ff          callq  400b80 <close@plt>
  4022b2: 66 c7 45 00 4f 4b       movw   $0x4b4f,0x0(%rbp)
  4022b8: c6 45 02 00             movb   $0x0,0x2(%rbp)
  4022bc: b8 00 00 00 00          mov    $0x0,%eax
  4022c1: 48 83 c4 18             add    $0x18,%rsp
  4022c5: 5b                      pop    %rbx
  4022c6: 5d                      pop    %rbp
  4022c7: c3                      retq

00000000004022c8 <driver_post>:
  4022c8: 53                      push   %rbx
  4022c9: 48 83 ec 10             sub    $0x10,%rsp
  4022cd: 48 89 cb                mov    %rcx,%rbx
  4022d0: 85 d2                   test   %edx,%edx
  4022d2: 74 1f                   je     4022f3 <driver_post+0x2b>
  4022d4: bf 0c 2b 40 00          mov    $0x402b0c,%edi
  4022d9: b8 00 00 00 00          mov    $0x0,%eax
  4022de: e8 7d e8 ff ff          callq  400b60 <printf@plt>
  4022e3: 66 c7 03 4f 4b          movw   $0x4b4f,(%rbx)
  4022e8: c6 43 02 00             movb   $0x0,0x2(%rbx)
  4022ec: b8 00 00 00 00          mov    $0x0,%eax
  4022f1: eb 3e                   jmp    402331 <driver_post+0x69>
  4022f3: 48 85 ff                test   %rdi,%rdi
  4022f6: 74 2b                   je     402323 <driver_post+0x5b>
  4022f8: 80 3f 00                cmpb   $0x0,(%rdi)
  4022fb: 74 26                   je     402323 <driver_post+0x5b>
  4022fd: 48 89 0c 24             mov    %rcx,(%rsp)
  402301: 49 89 f1                mov    %rsi,%r9
  402304: 41 b8 23 2b 40 00       mov    $0x402b23,%r8d
  40230a: 48 89 f9                mov    %rdi,%rcx
  40230d: ba 27 2b 40 00          mov    $0x402b27,%edx
  402312: be 6e 3b 00 00          mov    $0x3b6e,%esi
  402317: bf f8 2a 40 00          mov    $0x402af8,%edi
  40231c: e8 3f f6 ff ff          callq  401960 <submitr>
  402321: eb 0e                   jmp    402331 <driver_post+0x69>
  402323: 66 c7 03 4f 4b          movw   $0x4b4f,(%rbx)
```

```
  402328: c6 43 02 00          movb   $0x0,0x2(%rbx)
  40232c: b8 00 00 00 00       mov    $0x0,%eax
  402331: 48 83 c4 10          add    $0x10,%rsp
  402335: 5b                   pop    %rbx
  402336: c3                   retq
  402337: 66 0f 1f 84 00 00 00 nopw   0x0(%rax,%rax,1)
  40233e: 00 00

0000000000402340 <__libc_csu_init>:
  402340: 41 57                push   %r15
  402342: 41 89 ff             mov    %edi,%r15d
  402345: 41 56                push   %r14
  402347: 49 89 f6             mov    %rsi,%r14
  40234a: 41 55                push   %r13
  40234c: 49 89 d5             mov    %rdx,%r13
  40234f: 41 54                push   %r12
  402351: 4c 8d 25 b8 1a 20 00 lea    0x201ab8(%rip),%r12        # 603e10
<__frame_dummy_init_array_entry>
  402358: 55                   push   %rbp
  402359: 48 8d 2d b8 1a 20 00 lea    0x201ab8(%rip),%rbp        # 603e18
<__init_array_end>
  402360: 53                   push   %rbx
  402361: 4c 29 e5             sub    %r12,%rbp
  402364: 31 db                xor    %ebx,%ebx
  402366: 48 c1 fd 03          sar    $0x3,%rbp
  40236a: 48 83 ec 08          sub    $0x8,%rsp
  40236e: e8 5d e7 ff ff       callq  400ad0 <_init>
  402373: 48 85 ed             test   %rbp,%rbp
  402376: 74 1e                je     402396 <__libc_csu_init+0x56>
  402378: 0f 1f 84 00 00 00 00 nopl   0x0(%rax,%rax,1)
  40237f: 00
  402380: 4c 89 ea             mov    %r13,%rdx
  402383: 4c 89 f6             mov    %r14,%rsi
  402386: 44 89 ff             mov    %r15d,%edi
  402389: 41 ff 14 dc          callq  *(%r12,%rbx,8)
  40238d: 48 83 c3 01          add    $0x1,%rbx
  402391: 48 39 eb             cmp    %rbp,%rbx
  402394: 75 ea                jne    402380 <__libc_csu_init+0x40>
  402396: 48 83 c4 08          add    $0x8,%rsp
  40239a: 5b                   pop    %rbx
  40239b: 5d                   pop    %rbp
  40239c: 41 5c                pop    %r12
  40239e: 41 5d                pop    %r13
  4023a0: 41 5e                pop    %r14
  4023a2: 41 5f                pop    %r15
  4023a4: c3                   retq
  4023a5: 66 66 2e 0f 1f 84 00 data32 nopw %cs:0x0(%rax,%rax,1)
  4023ac: 00 00 00 00

00000000004023b0 <__libc_csu_fini>:
  4023b0: f3 c3                repz retq
  4023b2: 66 90                xchg   %ax,%ax

Disassembly of section .fini:
```

```
00000000004023b4 <_fini>:
  4023b4: 48 83 ec 08          sub    $0x8,%rsp
  4023b8: 48 83 c4 08          add    $0x8,%rsp
  4023bc: c3                   retq
```