./bomb: file format elf64-x86-64

Disassembly of section .init:

400dcc: e8 9b 00 00 00 callq 400e6c <phase\_2>

400dd1: e8 13 07 00 00 callq 4014e9 <phase\_defused>

400dd6: bf 47 21 40 00 mov $0x402147,%edi

400ddb: e8 d0 fc ff ff callq 400ab0 <puts@plt>

400de0: e8 de 05 00 00 callq 4013c3 <read\_line>

400de5: 48 89 c7 mov %rax,%rdi

400de8: e8 ca 00 00 00 callq 400eb7 <phase\_3>

400ded: e8 f7 06 00 00 callq 4014e9 <phase\_defused>

400df2: bf 65 21 40 00 mov $0x402165,%edi

400df7: e8 b4 fc ff ff callq 400ab0 <puts@plt>

400dfc: e8 c2 05 00 00 callq 4013c3 <read\_line>

400e01: 48 89 c7 mov %rax,%rdi

400e04: e8 6c 01 00 00 callq 400f75 <phase\_4>

400e09: e8 db 06 00 00 callq 4014e9 <phase\_defused>

400e0e: bf 38 22 40 00 mov $0x402238,%edi

400e13: e8 98 fc ff ff callq 400ab0 <puts@plt>

400e18: e8 a6 05 00 00 callq 4013c3 <read\_line>

400e1d: 48 89 c7 mov %rax,%rdi

400e20: e8 a7 01 00 00 callq 400fcc <phase\_5>

400e25: e8 bf 06 00 00 callq 4014e9 <phase\_defused>

400e2a: bf 74 21 40 00 mov $0x402174,%edi

400e2f: e8 7c fc ff ff callq 400ab0 <puts@plt>

400e34: e8 8a 05 00 00 callq 4013c3 <read\_line>

400e39: 48 89 c7 mov %rax,%rdi

400e3c: e8 ee 01 00 00 callq 40102f <phase\_6>

400e41: e8 a3 06 00 00 callq 4014e9 <phase\_defused>

400e46: b8 00 00 00 00 mov $0x0,%eax

400e4b: 5b pop %rbx

400e4c: c3 retq

400e4d: 0f 1f 00 nopl (%rax)

0000000000400eb7 <phase\_3>:

400eb7: 48 83 ec 18 sub $0x18,%rsp

400ebb: 48 8d 4c 24 08 lea 0x8(%rsp),%rcx

400ec0: 48 8d 54 24 0c lea 0xc(%rsp),%rdx

400ec5: be 1f 24 40 00 mov $0x40241f,%esi

400eca: b8 00 00 00 00 mov $0x0,%eax

400ecf: e8 cc fc ff ff callq 400ba0 <\_\_isoc99\_sscanf@plt>

400ed4: 83 f8 01 cmp $0x1,%eax

400ed7: 7f 05 jg 400ede <phase\_3+0x27>

400ed9: e8 81 04 00 00 callq 40135f <explode\_bomb>

400ede: 83 7c 24 0c 07 cmpl $0x7,0xc(%rsp)

400ee3: 77 3c ja 400f21 <phase\_3+0x6a>

400ee5: 8b 44 24 0c mov 0xc(%rsp),%eax

400ee9: ff 24 c5 c0 22 40 00 jmpq \*0x4022c0(,%rax,8)

400ef0: b8 9d 03 00 00 mov $0x39d,%eax

400ef5: eb 3b jmp 400f32 <phase\_3+0x7b>

400ef7: b8 13 01 00 00 mov $0x113,%eax

400efc: eb 34 jmp 400f32 <phase\_3+0x7b>

400efe: b8 54 03 00 00 mov $0x354,%eax

400f03: eb 2d jmp 400f32 <phase\_3+0x7b>

400f05: b8 0a 02 00 00 mov $0x20a,%eax

400f0a: eb 26 jmp 400f32 <phase\_3+0x7b>

400f0c: b8 48 02 00 00 mov $0x248,%eax

400f11: eb 1f jmp 400f32 <phase\_3+0x7b>

400f13: b8 69 01 00 00 mov $0x169,%eax

400f18: eb 18 jmp 400f32 <phase\_3+0x7b>

400f1a: b8 a6 03 00 00 mov $0x3a6,%eax

400f1f: eb 11 jmp 400f32 <phase\_3+0x7b>

400f21: e8 39 04 00 00 callq 40135f <explode\_bomb>

400f26: b8 00 00 00 00 mov $0x0,%eax

400f2b: eb 05 jmp 400f32 <phase\_3+0x7b>

400f2d: b8 7e 02 00 00 mov $0x27e,%eax

400f32: 3b 44 24 08 cmp 0x8(%rsp),%eax

400f36: 74 05 je 400f3d <phase\_3+0x86>

400f38: e8 22 04 00 00 callq 40135f <explode\_bomb>

400f3d: 48 83 c4 18 add $0x18,%rsp

400f41: c3 retq

0000000000400f42 <func4>:

400f42: 53 push %rbx

400f43: 89 d0 mov %edx,%eax

400f45: 29 f0 sub %esi,%eax

400f47: 89 c3 mov %eax,%ebx

400f49: c1 eb 1f shr $0x1f,%ebx

400f4c: 01 d8 add %ebx,%eax

400f4e: d1 f8 sar %eax

400f50: 8d 1c 30 lea (%rax,%rsi,1),%ebx

400f53: 39 fb cmp %edi,%ebx

400f55: 7e 0c jle 400f63 <func4+0x21>

400f57: 8d 53 ff lea -0x1(%rbx),%edx

400f5a: e8 e3 ff ff ff callq 400f42 <func4>

400f5f: 01 d8 add %ebx,%eax

400f61: eb 10 jmp 400f73 <func4+0x31>

400f63: 89 d8 mov %ebx,%eax

400f65: 39 fb cmp %edi,%ebx

400f67: 7d 0a jge 400f73 <func4+0x31>

400f69: 8d 73 01 lea 0x1(%rbx),%esi

400f6c: e8 d1 ff ff ff callq 400f42 <func4>

400f71: 01 d8 add %ebx,%eax

400f73: 5b pop %rbx

400f74: c3 retq

0000000000400f75 <phase\_4>:

400f75: 48 83 ec 18 sub $0x18,%rsp

400f79: 48 8d 4c 24 08 lea 0x8(%rsp),%rcx

400f7e: 48 8d 54 24 0c lea 0xc(%rsp),%rdx

400f83: be 1f 24 40 00 mov $0x40241f,%esi

400f88: b8 00 00 00 00 mov $0x0,%eax

400f8d: e8 0e fc ff ff callq 400ba0 <\_\_isoc99\_sscanf@plt>

400f92: 83 f8 02 cmp $0x2,%eax

400f95: 75 07 jne 400f9e <phase\_4+0x29>

400f97: 83 7c 24 0c 0e cmpl $0xe,0xc(%rsp)

400f9c: 76 05 jbe 400fa3 <phase\_4+0x2e>

400f9e: e8 bc 03 00 00 callq 40135f <explode\_bomb>

400fa3: ba 0e 00 00 00 mov $0xe,%edx

400fa8: be 00 00 00 00 mov $0x0,%esi

400fad: 8b 7c 24 0c mov 0xc(%rsp),%edi

400fb1: e8 8c ff ff ff callq 400f42 <func4>

400fb6: 83 f8 0b cmp $0xb,%eax

400fb9: 75 07 jne 400fc2 <phase\_4+0x4d>

400fbb: 83 7c 24 08 0b cmpl $0xb,0x8(%rsp)

400fc0: 74 05 je 400fc7 <phase\_4+0x52>

400fc2: e8 98 03 00 00 callq 40135f <explode\_bomb>

400fc7: 48 83 c4 18 add $0x18,%rsp

400fcb: c3 retq

0000000000400fcc <phase\_5>:

400fcc: 53 push %rbx

400fcd: 48 83 ec 10 sub $0x10,%rsp

400fd1: 48 89 fb mov %rdi,%rbx

400fd4: e8 68 02 00 00 callq 401241 <string\_length>

400fd9: 83 f8 06 cmp $0x6,%eax

400fdc: 74 44 je 401022 <phase\_5+0x56>

400fde: e8 7c 03 00 00 callq 40135f <explode\_bomb>

400fe3: eb 3d jmp 401022 <phase\_5+0x56>

400fe5: 0f b6 14 03 movzbl (%rbx,%rax,1),%edx

400fe9: 83 e2 0f and $0xf,%edx

400fec: 0f b6 92 00 23 40 00 movzbl 0x402300(%rdx),%edx

400ff3: 88 14 04 mov %dl,(%rsp,%rax,1)

400ff6: 48 83 c0 01 add $0x1,%rax

400ffa: 48 83 f8 06 cmp $0x6,%rax

400ffe: 75 e5 jne 400fe5 <phase\_5+0x19>

401000: c6 44 24 06 00 movb $0x0,0x6(%rsp)

401005: be b6 22 40 00 mov $0x4022b6,%esi

40100a: 48 89 e7 mov %rsp,%rdi

40100d: e8 4c 02 00 00 callq 40125e <strings\_not\_equal>

401012: 85 c0 test %eax,%eax

401014: 74 13 je 401029 <phase\_5+0x5d>

401016: e8 44 03 00 00 callq 40135f <explode\_bomb>

40101b: 0f 1f 44 00 00 nopl 0x0(%rax,%rax,1)

401020: eb 07 jmp 401029 <phase\_5+0x5d>

401022: b8 00 00 00 00 mov $0x0,%eax

401027: eb bc jmp 400fe5 <phase\_5+0x19>

401029: 48 83 c4 10 add $0x10,%rsp

40102d: 5b pop %rbx

40102e: c3 retq

000000000040102f <phase\_6>:

40102f: 41 56 push %r14

401031: 41 55 push %r13

401033: 41 54 push %r12

401035: 55 push %rbp

401036: 53 push %rbx

401037: 48 83 ec 50 sub $0x50,%rsp

40103b: 4c 8d 6c 24 30 lea 0x30(%rsp),%r13

401040: 4c 89 ee mov %r13,%rsi

401043: e8 39 03 00 00 callq 401381 <read\_six\_numbers>

401048: 4d 89 ee mov %r13,%r14

40104b: 41 bc 00 00 00 00 mov $0x0,%r12d

401051: 4c 89 ed mov %r13,%rbp

401054: 41 8b 45 00 mov 0x0(%r13),%eax

401058: 83 e8 01 sub $0x1,%eax

40105b: 83 f8 05 cmp $0x5,%eax

40105e: 76 05 jbe 401065 <phase\_6+0x36>

401060: e8 fa 02 00 00 callq 40135f <explode\_bomb>

401065: 41 83 c4 01 add $0x1,%r12d

401069: 41 83 fc 06 cmp $0x6,%r12d

40106d: 74 22 je 401091 <phase\_6+0x62>

40106f: 44 89 e3 mov %r12d,%ebx

401072: 48 63 c3 movslq %ebx,%rax

401075: 8b 44 84 30 mov 0x30(%rsp,%rax,4),%eax

401079: 39 45 00 cmp %eax,0x0(%rbp)

40107c: 75 05 jne 401083 <phase\_6+0x54>

40107e: e8 dc 02 00 00 callq 40135f <explode\_bomb>

401083: 83 c3 01 add $0x1,%ebx

401086: 83 fb 05 cmp $0x5,%ebx

401089: 7e e7 jle 401072 <phase\_6+0x43>

40108b: 49 83 c5 04 add $0x4,%r13

40108f: eb c0 jmp 401051 <phase\_6+0x22>

401091: 48 8d 74 24 48 lea 0x48(%rsp),%rsi

401096: 4c 89 f0 mov %r14,%rax

401099: b9 07 00 00 00 mov $0x7,%ecx

40109e: 89 ca mov %ecx,%edx

4010a0: 2b 10 sub (%rax),%edx

4010a2: 89 10 mov %edx,(%rax)

4010a4: 48 83 c0 04 add $0x4,%rax

4010a8: 48 39 f0 cmp %rsi,%rax

4010ab: 75 f1 jne 40109e <phase\_6+0x6f>

4010ad: be 00 00 00 00 mov $0x0,%esi

4010b2: eb 20 jmp 4010d4 <phase\_6+0xa5>

4010b4: 48 8b 52 08 mov 0x8(%rdx),%rdx

4010b8: 83 c0 01 add $0x1,%eax

4010bb: 39 c8 cmp %ecx,%eax

4010bd: 75 f5 jne 4010b4 <phase\_6+0x85>

4010bf: eb 05 jmp 4010c6 <phase\_6+0x97>

4010c1: ba f0 32 60 00 mov $0x6032f0,%edx

4010c6: 48 89 14 74 mov %rdx,(%rsp,%rsi,2)

4010ca: 48 83 c6 04 add $0x4,%rsi

4010ce: 48 83 fe 18 cmp $0x18,%rsi

4010d2: 74 15 je 4010e9 <phase\_6+0xba>

4010d4: 8b 4c 34 30 mov 0x30(%rsp,%rsi,1),%ecx

4010d8: 83 f9 01 cmp $0x1,%ecx

4010db: 7e e4 jle 4010c1 <phase\_6+0x92>

4010dd: b8 01 00 00 00 mov $0x1,%eax

4010e2: ba f0 32 60 00 mov $0x6032f0,%edx

4010e7: eb cb jmp 4010b4 <phase\_6+0x85>

4010e9: 48 8b 1c 24 mov (%rsp),%rbx

4010ed: 48 8d 44 24 08 lea 0x8(%rsp),%rax

4010f2: 48 8d 74 24 30 lea 0x30(%rsp),%rsi

4010f7: 48 89 d9 mov %rbx,%rcx

4010fa: 48 8b 10 mov (%rax),%rdx

4010fd: 48 89 51 08 mov %rdx,0x8(%rcx)

401101: 48 83 c0 08 add $0x8,%rax

401105: 48 39 f0 cmp %rsi,%rax

401108: 74 05 je 40110f <phase\_6+0xe0>

40110a: 48 89 d1 mov %rdx,%rcx

40110d: eb eb jmp 4010fa <phase\_6+0xcb>

40110f: 48 c7 42 08 00 00 00 movq $0x0,0x8(%rdx)

401116: 00

401117: bd 05 00 00 00 mov $0x5,%ebp

40111c: 48 8b 43 08 mov 0x8(%rbx),%rax

401120: 8b 00 mov (%rax),%eax

401122: 39 03 cmp %eax,(%rbx)

401124: 7d 05 jge 40112b <phase\_6+0xfc>

401126: e8 34 02 00 00 callq 40135f <explode\_bomb>

40112b: 48 8b 5b 08 mov 0x8(%rbx),%rbx

40112f: 83 ed 01 sub $0x1,%ebp

401132: 75 e8 jne 40111c <phase\_6+0xed>

401134: 48 83 c4 50 add $0x50,%rsp

401138: 5b pop %rbx

401139: 5d pop %rbp

40113a: 41 5c pop %r12

40113c: 41 5d pop %r13

40113e: 41 5e pop %r14

401140: c3 retq

0000000000401141 <fun7>:

401141: 48 83 ec 08 sub $0x8,%rsp

401145: 48 85 ff test %rdi,%rdi

401148: 74 2b je 401175 <fun7+0x34>

40114a: 8b 17 mov (%rdi),%edx

40114c: 39 f2 cmp %esi,%edx

40114e: 7e 0d jle 40115d <fun7+0x1c>

401150: 48 8b 7f 08 mov 0x8(%rdi),%rdi

401154: e8 e8 ff ff ff callq 401141 <fun7>

401159: 01 c0 add %eax,%eax

40115b: eb 1d jmp 40117a <fun7+0x39>

40115d: b8 00 00 00 00 mov $0x0,%eax

401162: 39 f2 cmp %esi,%edx

401164: 74 14 je 40117a <fun7+0x39>

401166: 48 8b 7f 10 mov 0x10(%rdi),%rdi

40116a: e8 d2 ff ff ff callq 401141 <fun7>

40116f: 8d 44 00 01 lea 0x1(%rax,%rax,1),%eax

401173: eb 05 jmp 40117a <fun7+0x39>

401175: b8 ff ff ff ff mov $0xffffffff,%eax

40117a: 48 83 c4 08 add $0x8,%rsp

40117e: c3 retq

000000000040117f <secret\_phase>:

40117f: 53 push %rbx

401180: e8 3e 02 00 00 callq 4013c3 <read\_line>

401185: ba 0a 00 00 00 mov $0xa,%edx

40118a: be 00 00 00 00 mov $0x0,%esi

40118f: 48 89 c7 mov %rax,%rdi

401192: e8 d9 f9 ff ff callq 400b70 <strtol@plt>

401197: 48 89 c3 mov %rax,%rbx

40119a: 8d 40 ff lea -0x1(%rax),%eax

40119d: 3d e8 03 00 00 cmp $0x3e8,%eax

4011a2: 76 05 jbe 4011a9 <secret\_phase+0x2a>

4011a4: e8 b6 01 00 00 callq 40135f <explode\_bomb>

4011a9: 89 de mov %ebx,%esi

4011ab: bf 10 31 60 00 mov $0x603110,%edi

4011b0: e8 8c ff ff ff callq 401141 <fun7>

4011b5: 83 f8 02 cmp $0x2,%eax

4011b8: 74 05 je 4011bf <secret\_phase+0x40>

4011ba: e8 a0 01 00 00 callq 40135f <explode\_bomb>

4011bf: bf 90 22 40 00 mov $0x402290,%edi

4011c4: e8 e7 f8 ff ff callq 400ab0 <puts@plt>

4011c9: e8 1b 03 00 00 callq 4014e9 <phase\_defused>

4011ce: 5b pop %rbx

4011cf: c3 retq

00000000004011d0 <sig\_handler>:

4011d0: 48 83 ec 08 sub $0x8,%rsp

4011d4: bf 10 23 40 00 mov $0x402310,%edi

4011d9: e8 d2 f8 ff ff callq 400ab0 <puts@plt>

4011de: bf 03 00 00 00 mov $0x3,%edi

4011e3: e8 18 fa ff ff callq 400c00 <sleep@plt>

4011e8: bf d2 23 40 00 mov $0x4023d2,%edi

4011ed: b8 00 00 00 00 mov $0x0,%eax

4011f2: e8 d9 f8 ff ff callq 400ad0 <printf@plt>

4011f7: 48 8b 3d 62 25 20 00 mov 0x202562(%rip),%rdi # 603760 <\_\_TMC\_END\_\_>

4011fe: e8 8d f9 ff ff callq 400b90 <fflush@plt>

401203: bf 01 00 00 00 mov $0x1,%edi

401208: e8 f3 f9 ff ff callq 400c00 <sleep@plt>

40120d: bf da 23 40 00 mov $0x4023da,%edi

401212: e8 99 f8 ff ff callq 400ab0 <puts@plt>

401217: bf 10 00 00 00 mov $0x10,%edi

40121c: e8 bf f9 ff ff callq 400be0 <exit@plt>

0000000000401221 <invalid\_phase>:

401221: 48 83 ec 08 sub $0x8,%rsp

401225: 48 89 fe mov %rdi,%rsi

401228: bf e2 23 40 00 mov $0x4023e2,%edi

40122d: b8 00 00 00 00 mov $0x0,%eax

401232: e8 99 f8 ff ff callq 400ad0 <printf@plt>

401237: bf 08 00 00 00 mov $0x8,%edi

40123c: e8 9f f9 ff ff callq 400be0 <exit@plt>

0000000000401241 <string\_length>:

401241: 80 3f 00 cmpb $0x0,(%rdi)

401244: 74 12 je 401258 <string\_length+0x17>

401246: 48 89 fa mov %rdi,%rdx

401249: 48 83 c2 01 add $0x1,%rdx

40124d: 89 d0 mov %edx,%eax

40124f: 29 f8 sub %edi,%eax

401251: 80 3a 00 cmpb $0x0,(%rdx)

401254: 75 f3 jne 401249 <string\_length+0x8>

401256: f3 c3 repz retq

401258: b8 00 00 00 00 mov $0x0,%eax

40125d: c3 retq

000000000040125e <strings\_not\_equal>:

40125e: 41 54 push %r12

401260: 55 push %rbp

401261: 53 push %rbx

401262: 48 89 fb mov %rdi,%rbx

401265: 48 89 f5 mov %rsi,%rbp

401268: e8 d4 ff ff ff callq 401241 <string\_length>

40126d: 41 89 c4 mov %eax,%r12d

401270: 48 89 ef mov %rbp,%rdi

401273: e8 c9 ff ff ff callq 401241 <string\_length>

401278: ba 01 00 00 00 mov $0x1,%edx

40127d: 41 39 c4 cmp %eax,%r12d

401280: 75 3e jne 4012c0 <strings\_not\_equal+0x62>

401282: 0f b6 03 movzbl (%rbx),%eax

401285: 84 c0 test %al,%al

401287: 74 24 je 4012ad <strings\_not\_equal+0x4f>

401289: 3a 45 00 cmp 0x0(%rbp),%al

40128c: 74 09 je 401297 <strings\_not\_equal+0x39>

40128e: 66 90 xchg %ax,%ax

401290: eb 22 jmp 4012b4 <strings\_not\_equal+0x56>

401292: 3a 45 00 cmp 0x0(%rbp),%al

401295: 75 24 jne 4012bb <strings\_not\_equal+0x5d>

401297: 48 83 c3 01 add $0x1,%rbx

40129b: 48 83 c5 01 add $0x1,%rbp

40129f: 0f b6 03 movzbl (%rbx),%eax

4012a2: 84 c0 test %al,%al

4012a4: 75 ec jne 401292 <strings\_not\_equal+0x34>

4012a6: ba 00 00 00 00 mov $0x0,%edx

4012ab: eb 13 jmp 4012c0 <strings\_not\_equal+0x62>

4012ad: ba 00 00 00 00 mov $0x0,%edx

4012b2: eb 0c jmp 4012c0 <strings\_not\_equal+0x62>

4012b4: ba 01 00 00 00 mov $0x1,%edx

4012b9: eb 05 jmp 4012c0 <strings\_not\_equal+0x62>

4012bb: ba 01 00 00 00 mov $0x1,%edx

4012c0: 89 d0 mov %edx,%eax

4012c2: 5b pop %rbx

4012c3: 5d pop %rbp

4012c4: 41 5c pop %r12

4012c6: c3 retq

00000000004012c7 <initialize\_bomb>:

4012c7: 48 83 ec 08 sub $0x8,%rsp

4012cb: be d0 11 40 00 mov $0x4011d0,%esi

4012d0: bf 02 00 00 00 mov $0x2,%edi

4012d5: e8 56 f8 ff ff callq 400b30 <signal@plt>

4012da: 48 83 c4 08 add $0x8,%rsp

4012de: c3 retq

00000000004012df <initialize\_bomb\_solve>:

4012df: f3 c3 repz retq

00000000004012e1 <blank\_line>:

4012e1: 55 push %rbp

4012e2: 53 push %rbx

4012e3: 48 83 ec 08 sub $0x8,%rsp

4012e7: 48 89 fb mov %rdi,%rbx

4012ea: eb 17 jmp 401303 <blank\_line+0x22>

4012ec: e8 1f f9 ff ff callq 400c10 <\_\_ctype\_b\_loc@plt>

4012f1: 48 83 c3 01 add $0x1,%rbx

4012f5: 48 0f be ed movsbq %bpl,%rbp

4012f9: 48 8b 00 mov (%rax),%rax

4012fc: f6 44 68 01 20 testb $0x20,0x1(%rax,%rbp,2)

401301: 74 0f je 401312 <blank\_line+0x31>

401303: 0f b6 2b movzbl (%rbx),%ebp

401306: 40 84 ed test %bpl,%bpl

401309: 75 e1 jne 4012ec <blank\_line+0xb>

40130b: b8 01 00 00 00 mov $0x1,%eax

401310: eb 05 jmp 401317 <blank\_line+0x36>

401312: b8 00 00 00 00 mov $0x0,%eax

401317: 48 83 c4 08 add $0x8,%rsp

40131b: 5b pop %rbx

40131c: 5d pop %rbp

40131d: c3 retq

000000000040131e <skip>:

40131e: 53 push %rbx

40131f: 48 63 05 56 24 20 00 movslq 0x202456(%rip),%rax # 60377c <num\_input\_strings>

401326: 48 8d 3c 80 lea (%rax,%rax,4),%rdi

40132a: 48 c1 e7 04 shl $0x4,%rdi

40132e: 48 81 c7 a0 37 60 00 add $0x6037a0,%rdi

401335: 48 8b 15 44 24 20 00 mov 0x202444(%rip),%rdx # 603780 <infile>

40133c: be 50 00 00 00 mov $0x50,%esi

401341: e8 da f7 ff ff callq 400b20 <fgets@plt>

401346: 48 89 c3 mov %rax,%rbx

401349: 48 85 c0 test %rax,%rax

40134c: 74 0c je 40135a <skip+0x3c>

40134e: 48 89 c7 mov %rax,%rdi

401351: e8 8b ff ff ff callq 4012e1 <blank\_line>

401356: 85 c0 test %eax,%eax

401358: 75 c5 jne 40131f <skip+0x1>

40135a: 48 89 d8 mov %rbx,%rax

40135d: 5b pop %rbx

40135e: c3 retq

000000000040135f <explode\_bomb>:

40135f: 48 83 ec 08 sub $0x8,%rsp

401363: bf f3 23 40 00 mov $0x4023f3,%edi

401368: e8 43 f7 ff ff callq 400ab0 <puts@plt>

40136d: bf fc 23 40 00 mov $0x4023fc,%edi

401372: e8 39 f7 ff ff callq 400ab0 <puts@plt>

401377: bf 08 00 00 00 mov $0x8,%edi

40137c: e8 5f f8 ff ff callq 400be0 <exit@plt>

0000000000401381 <read\_six\_numbers>:

401381: 48 83 ec 18 sub $0x18,%rsp

401385: 48 89 f2 mov %rsi,%rdx

401388: 48 8d 4e 04 lea 0x4(%rsi),%rcx

40138c: 48 8d 46 14 lea 0x14(%rsi),%rax

401390: 48 89 44 24 08 mov %rax,0x8(%rsp)

401395: 48 8d 46 10 lea 0x10(%rsi),%rax

401399: 48 89 04 24 mov %rax,(%rsp)

40139d: 4c 8d 4e 0c lea 0xc(%rsi),%r9

4013a1: 4c 8d 46 08 lea 0x8(%rsi),%r8

4013a5: be 13 24 40 00 mov $0x402413,%esi

4013aa: b8 00 00 00 00 mov $0x0,%eax

4013af: e8 ec f7 ff ff callq 400ba0 <\_\_isoc99\_sscanf@plt>

4013b4: 83 f8 05 cmp $0x5,%eax

4013b7: 7f 05 jg 4013be <read\_six\_numbers+0x3d>

4013b9: e8 a1 ff ff ff callq 40135f <explode\_bomb>

4013be: 48 83 c4 18 add $0x18,%rsp

4013c2: c3 retq

00000000004013c3 <read\_line>:

4013c3: 48 83 ec 08 sub $0x8,%rsp

4013c7: b8 00 00 00 00 mov $0x0,%eax

4013cc: e8 4d ff ff ff callq 40131e <skip>

4013d1: 48 85 c0 test %rax,%rax

4013d4: 75 6e jne 401444 <read\_line+0x81>

4013d6: 48 8b 05 8b 23 20 00 mov 0x20238b(%rip),%rax # 603768 <stdin@@GLIBC\_2.2.5>

4013dd: 48 39 05 9c 23 20 00 cmp %rax,0x20239c(%rip) # 603780 <infile>

4013e4: 75 14 jne 4013fa <read\_line+0x37>

4013e6: bf 25 24 40 00 mov $0x402425,%edi

4013eb: e8 c0 f6 ff ff callq 400ab0 <puts@plt>

4013f0: bf 08 00 00 00 mov $0x8,%edi

4013f5: e8 e6 f7 ff ff callq 400be0 <exit@plt>

4013fa: bf 43 24 40 00 mov $0x402443,%edi

4013ff: e8 7c f6 ff ff callq 400a80 <getenv@plt>

401404: 48 85 c0 test %rax,%rax

401407: 74 0a je 401413 <read\_line+0x50>

401409: bf 00 00 00 00 mov $0x0,%edi

40140e: e8 cd f7 ff ff callq 400be0 <exit@plt>

401413: 48 8b 05 4e 23 20 00 mov 0x20234e(%rip),%rax # 603768 <stdin@@GLIBC\_2.2.5>

40141a: 48 89 05 5f 23 20 00 mov %rax,0x20235f(%rip) # 603780 <infile>

401421: b8 00 00 00 00 mov $0x0,%eax

401426: e8 f3 fe ff ff callq 40131e <skip>

40142b: 48 85 c0 test %rax,%rax

40142e: 75 14 jne 401444 <read\_line+0x81>

401430: bf 25 24 40 00 mov $0x402425,%edi

401435: e8 76 f6 ff ff callq 400ab0 <puts@plt>

40143a: bf 00 00 00 00 mov $0x0,%edi

40143f: e8 9c f7 ff ff callq 400be0 <exit@plt>

401444: 8b 15 32 23 20 00 mov 0x202332(%rip),%edx # 60377c <num\_input\_strings>

40144a: 48 63 c2 movslq %edx,%rax

40144d: 48 8d 34 80 lea (%rax,%rax,4),%rsi

401451: 48 c1 e6 04 shl $0x4,%rsi

401455: 48 81 c6 a0 37 60 00 add $0x6037a0,%rsi

40145c: 48 89 f7 mov %rsi,%rdi

40145f: b8 00 00 00 00 mov $0x0,%eax

401464: 48 c7 c1 ff ff ff ff mov $0xffffffffffffffff,%rcx

40146b: f2 ae repnz scas %es:(%rdi),%al

40146d: 48 f7 d1 not %rcx

401470: 48 83 e9 01 sub $0x1,%rcx

401474: 83 f9 4e cmp $0x4e,%ecx

401477: 7e 46 jle 4014bf <read\_line+0xfc>

401479: bf 4e 24 40 00 mov $0x40244e,%edi

40147e: e8 2d f6 ff ff callq 400ab0 <puts@plt>

401483: 8b 05 f3 22 20 00 mov 0x2022f3(%rip),%eax # 60377c <num\_input\_strings>

401489: 8d 50 01 lea 0x1(%rax),%edx

40148c: 89 15 ea 22 20 00 mov %edx,0x2022ea(%rip) # 60377c <num\_input\_strings>

401492: 48 98 cltq

401494: 48 6b c0 50 imul $0x50,%rax,%rax

401498: 48 bf 2a 2a 2a 74 72 movabs $0x636e7572742a2a2a,%rdi

40149f: 75 6e 63

4014a2: 48 89 b8 a0 37 60 00 mov %rdi,0x6037a0(%rax)

4014a9: 48 bf 61 74 65 64 2a movabs $0x2a2a2a64657461,%rdi

4014b0: 2a 2a 00

4014b3: 48 89 b8 a8 37 60 00 mov %rdi,0x6037a8(%rax)

4014ba: e8 a0 fe ff ff callq 40135f <explode\_bomb>

4014bf: 83 e9 01 sub $0x1,%ecx

4014c2: 48 63 c9 movslq %ecx,%rcx

4014c5: 48 63 c2 movslq %edx,%rax

4014c8: 48 8d 04 80 lea (%rax,%rax,4),%rax

4014cc: 48 c1 e0 04 shl $0x4,%rax

4014d0: c6 84 01 a0 37 60 00 movb $0x0,0x6037a0(%rcx,%rax,1)

4014d7: 00

4014d8: 83 c2 01 add $0x1,%edx

4014db: 89 15 9b 22 20 00 mov %edx,0x20229b(%rip) # 60377c <num\_input\_strings>

4014e1: 48 89 f0 mov %rsi,%rax

4014e4: 48 83 c4 08 add $0x8,%rsp

4014e8: c3 retq

00000000004014e9 <phase\_defused>:

4014e9: 83 3d 8c 22 20 00 06 cmpl $0x6,0x20228c(%rip) # 60377c <num\_input\_strings>

4014f0: 75 6b jne 40155d <phase\_defused+0x74>

4014f2: 48 83 ec 68 sub $0x68,%rsp

4014f6: 4c 8d 44 24 10 lea 0x10(%rsp),%r8

4014fb: 48 8d 4c 24 08 lea 0x8(%rsp),%rcx

401500: 48 8d 54 24 0c lea 0xc(%rsp),%rdx

401505: be 69 24 40 00 mov $0x402469,%esi

40150a: bf 90 38 60 00 mov $0x603890,%edi

40150f: b8 00 00 00 00 mov $0x0,%eax

401514: e8 87 f6 ff ff callq 400ba0 <\_\_isoc99\_sscanf@plt>

401519: 83 f8 03 cmp $0x3,%eax

40151c: 75 31 jne 40154f <phase\_defused+0x66>

40151e: be 72 24 40 00 mov $0x402472,%esi

401523: 48 8d 7c 24 10 lea 0x10(%rsp),%rdi

401528: e8 31 fd ff ff callq 40125e <strings\_not\_equal>

40152d: 85 c0 test %eax,%eax

40152f: 75 1e jne 40154f <phase\_defused+0x66>

401531: bf 48 23 40 00 mov $0x402348,%edi

401536: e8 75 f5 ff ff callq 400ab0 <puts@plt>

40153b: bf 70 23 40 00 mov $0x402370,%edi

401540: e8 6b f5 ff ff callq 400ab0 <puts@plt>

401545: b8 00 00 00 00 mov $0x0,%eax

40154a: e8 30 fc ff ff callq 40117f <secret\_phase>

40154f: bf a8 23 40 00 mov $0x4023a8,%edi

401554: e8 57 f5 ff ff callq 400ab0 <puts@plt>

401559: 48 83 c4 68 add $0x68,%rsp

40155d: f3 c3 repz retq

40155f: 90 nop