```
4013ec: 48 83 ec 08
                       sub $0x8,%rsp
 4013f0: be 4c 31 40 00
                       mov $0x40314c,%esi
 4013f5: e8 cb 03 00 00
                       callq 4017c5 <strings not equal>
 4013fa: 85 c0
                       test %eax,%eax
 4013fc: 75 05
                       jne 401403 < phase 1+0x17>
 4013fe: 48 83 c4 08
                        add $0x8,%rsp
 401402: c3
                        retq
 401403: e8 9f 04 00 00
                        callq 4018a7 <explode_bomb>
                       jmp 4013fe <phase_1+0x12>
 401408: eb f4
     Crikey! I have lost my mojo!
                 0/1,1,2,3,5
000000000040140a <phase 2>:
                        push %rbx
 40140a: 53
                        sub $0x20,%rsp
 40140b: 48 83 ec 20
 40140f: 48 89 e6
                        mov %rsp,%rsi
                       401412: e8 b4 04 00 00
 401417: 83 3c 24 00
 40141b: 75 07
                       cmpl \$0x1,0x4(\%rsp) (5/6) rsp + 4) (= 1 , bomb) je 401429 < phase_2 + 0x1f >
 40141d: 83 7c 24 04 01
 401422: 74 05
                       callq 4018a7 <explode_bomb>
 401424: e8 7e 04 00 00
                       mov $0x2,%ebx % eb人 = 2
jmp 401438 <phase_2+0x2e>
 401429: bb 02 00 00 00
 40142e: eb 08
 401430: e8 72 04 00 00
                        callq 4018a7 <explode bomb>
                                                   ebx++i
 401435: 83 c3 01
                        add $0x1,%ebx
                       401438: 83 fb 05
 40143b: 7f 1b
                       movslq %ebx, %rdx (符号) %rdx = %ebx
 40143d: 48 63 d3
                       lea -0x2(%rbx),%ecx %, rcx = %, rbx-2
 401440: 8d 4b fe
 401443: 48 63 c9
                        movslq %ecx,%rcx
                       lea -0x1(%rbx), %eax cltq (有多) %rax = %eax = %rbx~]
 401446: 8d 43 ff
 401449: 48 98
                        mov (%rsp,%rax,4),%eax
 40144b: 8b 04 84
                                             % eax = (% rsp + 4 rax) + (rsp + 4 rcx)
 40144e: 03 04 8c
                        add (%rsp,%rcx,4),%eax
 401451: 39 04 94
                        cmp %eax,(%rsp,%rdx,4)
 401454: 74 df
                        je 401435 < phase 2+0x2b>--
                                                     ----- ebx==3
 401456: eb d8
                        jmp 401430 < phase_2+0x26>
                        add $0x20,%rsp
 401458: 48 83 c4 20
 40145c: 5b
                            %rbx
                        pop
 40145d: c3
                        retq
```

00000000004013ec <phase 1>:

```
000000000040145e < phase 3>:
 40145e: 48 83 ec 18
                           sub $0x18,%rsp
 401462: 48 8d 4c 24 08
                           lea 0x8(%rsp),%rcx
                                                                         2,3,4,5,b, T
 401467: 48 8d 54 24 0c
                           lea 0xc(%rsp),%rdx
 40146c: be 37 33 40 00
                           mov $0x403337,%esi
 401471: b8 00 00 00 00
                           mov $0x0,%eax
 401476: e8 95 fc ff ff
                           callq 401110 <_isoc99_sscanf@plt>
                          cmp $0x1,%eax eax <= | , b m b jle 401492 <phase 3+0x34>
 40147b: 83 f8 01
 40147e: 7e 12
                                                                                    1 <
                           mov 0xc(%rsp), %eax eax = rsp+12
 401480: 8b 44 24 0c
                          inp $ux/, %eax eax > 7, bomb
 401484: 83 f8 07
 401487: 77 4a
                          mov %eax,%eax
 401489: 89 c0
 40148b: ff 24 c5 80 31 40 00 jmpq *0x403180(,%rax,8)
 401492: e8 10 04 00 00
                           callq 4018a7 <explode_bomb>
 401497: eb e7
                                401480 < phase 3+0x22>
                          cmp %eax,0x8(%rsp) % eax (=(%rsp+8), bomb)
jne 4014e6 <phase_3+0x88>
 401<u>49</u>9: b8 c9 03 00 00
 40149e: 39 44 24 08
 4014a2: 75 42
                                            %eax = (%rsp+8), LEIN.
                                $0x18,%rsp
 4014a4: 48 83 c4 18
                           add
 4014a8: c3
                          retq
 4014a9: b8 75 01 00 00
                                 $0x175 %eax
                                40149e < phase_3+0x40>
 4014ae: eb ee
                           jmp
 4014b0: b8 86 02 00 00
                           mov $0x286,%eax
 4014b5: eb e7
                                40149e <phase_3+0x40>
                           jmp
                                 $0x12b, %eax
 4014b7: b8 2b 01 00 00
                           mov
 4014bc: eb e0
                                40149e <phase 3+0x40>
                           jmp
                                $0x3bb,%eax
 4014be: b8 bb 03 00 00
                                40149e < phase_3+0x40>
 4014c3: eb d9
                           jmp
 4014c5: b8 71 02 00 00
                           mov $0x271,%eax
                                40149e < phase_3+0x40>
 4014ca: eb d2
                           jmp
 4014cc: b8 6d 03 00 00
                           mov $0x36d,%eax
 4014d1: eb cb
                           jmp 40149e <phase 3+0x40>
 4014d3: e8 cf 03 00 00
                           callq 4018a7 <explode_bomb>
 4014d8: b8 00 00 00 00
                           mov $0x0,%eax
                           jmp 40149e <phase_3+0x40>
 4014dd: eb bf
 4014df: b8 f7 02 00 00
                           mov $0x2f7.%eax
 4014e4: eb b8
                           imp 40149e <phase 3+0x40>
 (4014e6) e8 bc 03 00 00
                           callq 4018a7 <explode_bomb>
 4014eb: eb b7
                           jmp 4014a4 < phase 3+0x46>
```

```
35
000000000040151f <phase 4>:
 40151f: 48 83 ec 18
                          sub $0x18,%rsp
 401523: 48 8d 4c 24 08
                          lea 0x8(%rsp),%rcx
                                                           % d
 401528: 48 8d 54 24 0c
                          lea
                              0xc(%rsp),%rdx
 40152d: be 37 33 40 00
                          mov $0x403337,%esi
                                              eax = 0
 401532: b8 00 00 00 00
                          mov $0x0,%eax
                                                                   scant.
                          callq 401110 < isoc99 sscanf@plt>
 401537: e8 d4 fb ff ff
 40153c: 83 f8 02
                          cmp $0x2,%eax
                                              eax != 2, bomb
 40153f: 75 0d
                          jne 40154e <phase 4+0x2f>
 401541: 8b 44 24 0c
                          mov 0xc(%rsp),%eax
                                              eax =
 401545: 85 c0
                          test %eax,%eax
                                                     eax < 0 , bomb
                             40154e <phase 4+0x2f>
 401547: 78 05
                          cmp $0xe,\%eax 0 < - eax < - |4| jle 401553 < phase_4 + 0x34 >
 401549: 83 f8 0e
 40154c: 7e 05
                          cally 4018a7 <explode bomb> eax > 14, bomb
 40154e: e8 54 03 00 00
(401553) ba 0e 00 00 00
                                $0xe,%edx
                          mov
                                                14,0, edi
 401558: be 00 00 00 00
                          mov
                                $0x0,%esi
 40155d: 8b 7c 24 0c
                          mov
                               0xc(%rsp), %edi)
                                               第1个输入
                          callq 4014ed <func4>
 401561: e8 87 ff ff ff
 401566: 83 f8 23
                          cmp $0x23,%eax
                          jne 401572 <phase_4+0x53> eax != 35, bomb
 401569: 75 07
                            ирі «рих 25, UX8(%rsp)
401577 <phase_4+0x58> (rsp+8)== 35, χ 13
                          cmpl $0x23,0x8(%rsp)
 40156b: 83 7c 24 08 23
 401570: 74 05
                          callq 4018a7 < explode bomb>
 401572: e8 30 03 00 00
 401577: 48 83 c4 18
                          add $0x18,%rsp
 40157b: c3
                          retq
                                          说eax为m ebx为n
000000000<mark>0</mark>4014ed <func4>
                          push %rbx
 4014ed: 53
                                              eax = ed x - esi = 14
 4014ee: 89 d0
                         mov %edx,%eax
 4014f0: 29 f0
                                %esi,%eax
                           sub
                                             ebx=eax >> 3] + eax (逻辑)
                  M = M \mod \text{mov}
 4014f2: 89 c3
 4014f4: c1 eb 1f
                           shr
                                $0x1f,%ebx
                           add %eax,%ebx
 4014f7: 01 c3
                                            ehx = ehx >>
 4014f9: d1 fb
                           sar
                                %ebx
                                           ebx = ebx + esi
 4014fb: 01 f3
                           add
                                %esi,%ebx
 4014fd: 39 fb
                           cmp/ %edi,%ebx
 4014ff: 7f 06
                           ig 401507 < func4+0x1a>
 401501: 7c 10
                              401513 < func4+0x26>
 401503: 89 d8
                           moy %ebx,%eax
                                                                           M
 401505: 5b
                          pop
                                %rbx
 401506: c3
                          retq
                                                                         ebx > edī
                          (lea -0x1(%rbx),%edx edx = rbメー)
→401507: 8d 53•ff
 40150a: e8 de ff ff ff
                           callq 4014ed <func4>
                                               ebx = ebx + eax
 40150f: 01 c3
                           add %eax,%ebx
                                401503 < func4+0x16>
 401511: eb f0
                          _jmp
                                                                        ebx<edi
                                              es7 = rbx + 1
→401513: 8d 73 01
                          ^lea
                               0x1(%rbx),%esi
 401516: e8 d2 ff ff ff
                           callq 4014ed <func4>
                                               ebx = ebx +eax
 40151b: 01 c3
                           add %eax,%ebx
 40151d: eb e4
                           gmi
                                401503 <func4+0x16>
```

```
#include <stdio.h>
```

```
// x in %edx, y in %esi, t in %edi
int func4 (int x, int y, int t) {
  int n = x - y;
  int m = n / 2 + y;
  if (m == t)
     return m;
  else if (m > t)
     return (m + func4 (m - 1, y, t));
     return (m + func4 (x, m + 1, t));
}
int main () {
  int ret, t;
  for (t = 0; t \le 14; t++)
     ret = func4 (14, 0, t);
     printf ("%d ", t);
     if (ret == 35)
        printf("%d\n", t);
        printf("%d wrong\n", ret);
  return 0;
}
```

8/3J

```
string-length: 6
```

```
000000000040157c < phase 5>:
    40157c: 53
                                                                            push %rbx
                                                                            mov %rdi, %rbx rbx = rdi
    40157d: 48 89 fb
                                                                            callq 4017b1 <string length>
    401580: e8 2c 02 00 00
                                                                            cmp $0x6,\%eax eax != b . bomb
    401585: 83 f8 06
    401588: 75 25
                                                                             jne 4015af <phase_5+0x33>
                                                                                                                             ecx = eax = 0.
    40158a: b9 00 00 00 00
                                                                            mov $0x0,%ecx
    40158f: b8 00 00 00 00
                                                                           mov
                                                                                             $0x0,%eax
                                                                                                                           eax > 5, jump
 >401594: 83 f8 05
                                                                            cmp $0x5,%eax
    401597: 7f 1d
                                                                            jg 4015b6 <phase_5+0x3a>
                                                                           movslq %eax,%rdx 「dメ = eax
    401599: 48 63 d0
   40159c: 0f b6 14 13 0 movzbl (%rbx,%rdx,1),%edx edx = (rbx + rdx)

4015a0: 83 e2 0f and (rbx) + rdx and (rbx) + rd
    4015aa: 83 c0 01
                                                                            add $0x1,%eax
                                                                                                                         eaxtts
                                                                            jmp 401594 <phase 5+0x18>
    -4015ad: eb e5
    4015af: e8 f3 02 00 00
                                                                            callq 4018a7 <explode bomb>
                                                                            4015b4: eb d4
→4015b6: 83 f9 35
                                                                            ine 4015bd <phase 5+0x41>
    4015b9: 75 02
                                                                            pop %rbx
    4015bb: 5b
    4015bc: c3
                                                                            retq
                                                                            callq 4018a7 <explode_bomb>
    4015bd: e8 e5 02 00 00
    4015c2: eb f7
                                                                            jmp 4015bb <phase 5+0x3f>
```

							5		
	2,	10	, Ь ,	1	,	12,	16,	9,	3
	8	9	A	B			D	E	F
2	/	7,	14,	5	J	(/)	8,	け,	13

array: (0-15

了3 6个数之和

ffff m

ASCII隔三世都后午位

```
00000000004015c4 < phase 6>:
 4015c4: 41 54
                           push %r12
 4015c6: 55
                           push %rbp
 4015c7: 53
                           push %rbx
 4015c8: 48 83 ec 50
                                $0x50,%rsp
                           sub
 4015cc: 48 8d 74 24 30
                           lea
                                0x30(%rsp),%rsi
 4015d1: e8 f5 02 00 00
                           callq 4018cb < read six numbers >
 4015d6: bd 00 00 00 00
                                 $0x0,%ebp
                           mov
                                             ebP = 0
 4015db: eb 29
                           jmp
                                401606 < phase 6+0x42>
 4015dd: e8 c5 02 00 00
                          callq 4018a7 <explode bomb>
 4015e2: eb 36
                                40161a <phase_6+0x56>
                           jmp
 4015e4: 83 c3 01
                          >add
                                 $0x1,%ebx
4015e7: 83 fb 05
                                 $0x5,%ebx
                           cmp
                                             ebx >5, jump 1
 4015ea: 7f 17 🙌
                               401603 < phase 6+0x3f>
                           movslq %ebp,%rax rax = eb₽
 4015ec: 48 63 c5
                           movslq %ebx,%rdx rdx = ebx
 4015ef: 48 63 db 0
 4015f2: 8b 7c 94/30
                           mov 0x30(\%rsp,\%rdx,4),\%edied7 = (rsp+4×rdx+48)
                                 %edi,0x30(%rsp,%rax,4) edi ≠ (rsp +4 x rax +48)
 4015f6: 39 7c 84 30.
 4015fa: 75 e8 € ♭
                           jne 4015e4 <phase 6+0x20>
 4015fc: e8 a6 02 00/00
                           callq 4018a7 <explode bomb>
 401601: eb e1
                           jmp 4015e4 < phase 6+0x20 >
 401603: 44 89 e5
                           mov %r12d,%ebp
→401606: 83 fd 05
                                 $0x5,%ebp ebp > 5, jump
-401609: 7f 18
                              401623 < phase 6+0x5f>
                           movslq %ebp,%rax 滞廿 rax = ebp
 40160b: 48 63 c5
                           mov 0x30(%rsp, %rax, 4), %eax eax = (rsp +4 x rax +48)
 40160e: 8b 44 84 30
 401612: 83 e8 01
                                $0x1,%eax eax --
                           sub
                                 0x5,\%eax (eax > 1, bomb)
 401615: 83 f8 05
 401618: 77 c3
                               4015dd < phase 6+0x19>
                               0x1(%rbp),%r12d r12d = rbp+1
 40161a: 44 8d 65 01
                           lea
                                                                        2
                                %r12d, %ebx = r_{12}d
 40161e: 44 89 e3
                           mov
401621: eb c4
                           jmp
                                 4015e7 < phase 6+0x23>
*401623: be 00 00 00 00
                           mov
                                0x0,\%esi es7 = 0
 <del>-4</del>01628: eb 07
                                401631 < phase 6+0x6d>
                           jmp
                                %rdx,(%rsp,%rcx,8) (rsp+8 rcx) = \times
 40162a: 48 89 14 cc
                          mov
                                             esi++
 40162e: 83 c6 01
                                $0x1,%esi
                           add
                       rcxemp $0x5, wesi _1 esi >5, jump
-401631: 83 fe 05 ]nout |
                       e dalg + 4016521 Phrase 6+0x8e>
 401634: 7f 1c
 401636: b8 01 00 00 00
                           mov
                               $0x1,%eax
                                                 eax = 1
                           mov (\$0x4052d0)%edx edx = 0\times4052d0
 40163b: ba d0 52 40 00
                          movslq/%esi,%rcx
 401640: 48 63 ce
                                                 rcx = esi
                           cmp / %eax,0x30(%rsp,%rcx,4) [rcD + 4rcx + 48] = 200
 401643: 39 44 8c 30
```

```
401647: 7e e1
                         m\phi v = 0x8(\%rdx),\%rdx \qquad rdx + = 8
401649: 48 8b 52 08
40164d: 83 c0 01
                         add
                              $0x1,%eax
                                         eax ++
                         <u>imp</u>
401650: eb ee
                              401640 < phase 6+0x7c'>
                              ≯401652: 48 8b 1c 24
                         mov
                                          rcx=rbx
401656: 48 89 d9
                              %rbx,%rcx
                         mov
401659: b8 01 00 00 00
                         mov $0x1,%eax
                                          eax = 1
                         jmp 401671 < phase 6+0xad>
40165e: eb 11
401660: 48 63 d0
                         movslq %eax, %rdx rdx = eax
                         mov (%rsp,%rdx,8),%rdx rdx = (rsp + 8 rdx)
401663: 48 8b 14 d4
401667: 48 89 51 08
                              %rdx,0x8(%rcx)(rcx+g)=rdx
                         mov
40166b: 83 c0 01
                         add
                              $0x1, %eax eax++
40166e: 48 89 d1
                         mov %rdx,%rcx r c x = r d x
                         cmp $0x5,%eax eax $5, jump
jle 401660 <phase_6+0x9c>
≯401671: 83 f8 05
<u>4</u>01674: 7e ea
                                 movq \$0x0,0x8(\%rcx) (rcx+8) = 0
401676: 48 c7 41 08 00 00 00
40167d: 00
                                                 ebp = 0
40167e: bd 00 00 00 00
                         mov
                              $0x0,%ebp
                              40168c <phase 6+0xc8>
′401683: eb 07
                         jmp
                         mov 0x8(\%rbx),\%rbx \ rbx = (rbx + 8)
401685: 48 8b 5b 08
                              $0x1,%ebp
                                        ebp++
401689: 83 c5 01
                         add
40168c: 83 fd 04
                         cmp $0x4,%ebp
                         jg 4016a2 <phase 6+0xde> ebp > 4, return
40168f: 7f 11
                              0x8(\%rbx),\%rax rax = (rbx+g)
401691: 48 8b 43 08
401695: 8b 00
                                           eax = (rax)
                         mov (%rax),%eax
401697: 39 03
                         cmp %eax,(%rbx)
                                           (rbx) > = eax, jump
401699: 7d ea
                         ige 401685 < phase 6+0xc1>
                         cally 4018a7 < explode_bomb> (rbx) < eax, bimb
40169b: e8 07 02 00 00
4016a0: eb e3
                         imp
                              401685 < phase_6+0xc1>
                                                键基件序排列
√4016a2: 48 83 c4 50
                              $0x50,%rsp
                         add
4016a6: 5b
                              %rbx
                         pop
4016a7: 5d
                         pop
                              %rbp
4016a8: 41 5c
                         pop
                              %r12
4016aa: c3
                         retq
```

211,6,5,4,3

```
0000000000401a38 < phase defused >:
 401a38: 83 3d 2d 3d 00 00 06
                                    cmpl $0x6,0x3d2d(%rip)
                                                               # 40576c < num_input_strings >
401a3f: 74 01
                               401a42 <phase_defused+0xa> 輸入しか学名
 401a41: c3
 401a42: 48 83 ec 68
                           sub
                                $0x68,%rsp
 401a46: 4c 8d 44 24 10
                           lea
                                0x10(%rsp),%r8
 401a4b: 48 8d 4c 24 08
                           lea
                               0x8(%rsp),%rcx
 401a50: 48 8d 54 24 0c
                                0xc(%rsp),%rdx
                                                     % d % d 1/05
 401a55: be 81 33 40 00
                           mov $0x403381,%esi
 401a5a: bf 70 58 40 00
                           mov $0x405870,%edi
 401a5f: b8 00 00 00 00
                           mov
                                 $0x0,%eax
 401a64: e8 a7 f6 ff ff
                           callq 401110 < _isoc99_sscanf@plt>
                                                                  输入3个内容
 401a69: 83 f8 03
                           cmp $0x3,%eax
 401a6c: 74 0f
                                401a7d <phase defused+0x45>
                           ie
 101a6e: bf c0 32 40 00
                           mov $0x4032c0,%edi
 401a73: e8 e8 f5 ff ff
                           callq 401060 <puts@plt>
 401a78: 48 83 c4 68
                                 $0x68,%rsp
                           add
                                                 DrEvil
                           retq
 401a7c: c3
                           mov ($0x40338a,%esi
 401a7d: be 8a 33 40 00
 401a82: 48 8d 7c 24 10
                           lea 0x10(%rsp),%rdi
 401a87: e8 39 fd ff ff
                           callg 4017c5 <strings not equal>
 401a8c: 85 c0
                           test %eax,%eax
                                              eax $0
                               401a6e <phase_defused+0x36>
 401a8e: 75 de
                                                    found, not succeed
 401a90: bf 60 32 40 00
                           mov $0x403260,%edi
 401a95: e8 c6 f5 ff ff
                           callq 401060 <puts@plt>
 401a9a: bf 88 32 40 00
                           mov $0x403288,%edi
 401a9f: e8 bc f5 ff ff
                           callq 401060 <puts@plt>
 401aa4: b8 00 00 00 00
                           mov
                                 $0x0,%eax
                           callq 4016e8 < secret phase >
 401aa9: e8 3a fc ff ff
 401aae: eb be
                           jmp 401a6e <phase defused+0x36>
0000000004016e8 <secret phase>:
 4016e8: 53
                          push %rbx
 4016e9: e8 1c 02 00 00
                          callq 40190a < read line>
 4016ee: 48 89 c7
                          mov %rax.%rdi
 4016f1: e8 4a fa ff ff
                          callq 401140 <atoi@plt>
                                            ebx = eax
 4016f6: 89 c3
                          mov %eax,%ebx
                          lea -0x1(%rax), %eax eax = rax-
 4016f8: 8d 40 ff
                            4016fb: 3d e8 03 00 00
                          cmp $0x3e8,%eax
 401700: 77 22
                          ja
                          mov <u>%ebx(%es)</u>
                                           _ebx
 401702: 89 de
 401704: bf f0 50 40 00
                          mov
                               $0x4050f0,%edi
                                                   fun7返回4
 401709: e8 9d ff ff ff
                          callq 4016ab < fun7>
 40170e: 83 f8 04
                          cmp
                              $0x4,%eax
 401711: 75 18
                          ine 40172b < secret phase + 0x43 >
 401713: bf 00 32 40 00
                          mov $0x403200,%edi
 401718: e8 43 f9 ff ff
                          callq 401060 <puts@plt>
 40171d: e8 16 03 00 00
                          callq 401a38 <phase_defused>
 401722: 5b
                          pop %rbx
 401723: c3
                          retq
 401724): e8 7e 01 00 00
                          callq 4018a7 <explode bomb>
 401729: eb d7
                          jmp 401702 <secret phase+0x1a>
40172b: e8 77 01 00 00
                          callq 4018a7 <explode bomb>
 401730: eb e1
                          jmp 401713 <secret phase+0x2b>
```

```
( 605.00) = 0 x24
00000000004016ab <fun7>:
 4016ab: 48 85 ff
                          test \%rdi,%rdi
                          je 4016e2 <fun7+0x37> rdî = 0, return -1,
 4016ae: 74 32
 4016b0: 48 83 ec 08
                          sub $0x8,%rsp
                          mov (%rdi), \dot{\text{eax}} = 0 \times 24
 4016b4: 8b 07
                          cmp (%esi)%eax
 4016b6: 39 f0
                             4076c6 < fun7+0x1b> eax > esi
 4016b8: 7f 0c
                          jne 4016d3 <fun7+0x28> ይዪአ < ይናገ
 4016ba: 75 17
 4016bc: b8 00 00 00 00
                          mov $0x0,%eax
 4016c1: 48 83 c4 08
                          add $0x8,%rsp
 4016c5: c3
                          retq
                                                  rdi=rdi+8
 4016c6: 48 8b 7f 08
                          mov 0x8(%rdi),%rdi
 4016ca: e8 dc ff ff ff
                         callq 4016ab <fun7≰
                                                 ear = 2 ear
                          add %eax,%eax
 4016cf: 01 c0
 4016d1: eb ee
                          jmp 4016c1 < fun7+0x16>
                                                 rdi= rdi+ (b
 4016d3: 48 8b 7f 10
                          mov 0x10(%rdi),%rdi
 4016d7: e8 cf ff ff ff
                         callq 4016ab <fun7>
                                                    eax = 2rax + 1
 4016dc: 8d 44 00 01
                          lea <del>0x1(%rax,%</del>rax,1),%eax
                          imp 4016c1 < fun7+0x16>
 4016e0: eb df
 4016e2: b8 ff ff ff
                          mov $0xffffffff,%eax
 4016e7: c3
                          retq
                                                    (0+1)\times2\times2
```

8 8 107 6, 22 107 7 2035 40 67 99 233