```
0x470
                                                            _ _ _ _ _ _ .
                                                            assert(0 == msg.value)
                                                            $s2 = 0xff & c[0x4]
                                                            $s3 = 0xfffffffffffffff & c[0x24]
                                                            $s4 = c[0x44]
                                                            $s6 = 0xff \& c[0x64]
                                                            if (msg.sender == (ad_mask \& s[0x0])) goto 0x19d9
                                                                         0x1933
                                                                         $s9 = 0x0
                                                                         $s10 = 0x0
                                                         0x193b
                                                         if (\$s10 >= s[0x1]) goto 0x19cc
0x1949
-----
assert(\$s10 < s[0x1])
m[0x0] = 0x1
if ((ad mask \& s[\$s10 + sha3(0x0, 0x20)]) != msg.sender) goto 0x19bf
                                 0x19b7
                                                    0x19bf
                                 _ _ _ _ _ _
                                 $s9 = 0x1
                                                    $s10 = 0x1 + $s10
                                 goto 0x19cc
                                                    goto 0x193b
                                                                           0x19cc
                                                                           assert($s9)
                                            0x19d9
                                            m[0x0] = 0xfffffffffffff & $s3
                                           m[0x20] = 0x4
                                            $s7 = 0x3 + sha3(0x0, 0x40)
                                            assert(0x1)
                                            assert($s2 <= 0x4)
                                            if (0x0 == $s2){
                                              m[0x0] = 0xffffffff & $s3
                                              m[0x20] = 0x3
                                              $s7 = 0x1 + sha3(0x0, 0x40)
                                            } else {
                                              assert(0x1)
                                              assert($s2 <= 0x4)
                                              if (0x1 == $s2){
                                                m[0x0] = 0xffffffff & $s3
                                                m[0x2\bar{0}] = 0x3
                                                $s7 = 0x2 + sha3(0x0, 0x40)
                                             } else {
                                                assert(0x1)
                                                assert($s2 \le 0x4)
                                                if (0x2 == $s2){
                                                  m[0x0] = 0xffffffff & $s3
                                                  m[0x20] = 0x3
                                                  $s7 = 0x3 + sha3(0x0, 0x40)
                                                } else {
                                                  assert(0x1)
                                                  assert($s2 \le 0x4)
                                                  if (0x4 == $s2){
                                                    m[0x0] = 0xfffffffffffff & $s3
                                                    m[0x20] = 0x4
                                                    $s7 = 0x4 + sha3(0x0, 0x40)
                                           if ($s4 < s[$s7]){
                                              if (0xff == 0xff \& $s6){
                                                $s8 = $s4
                                                while (0x1) {
                                                  if (\$s8 >= (s[\$s7] - 0x1))
                                                    break
                                                  $s12 = 0x1 + $s8
                                                  assert(\$s12 < s[\$s7])
                                                  $s11 = $s12
                                                  m[0x0] = \$s7
                                                  s11 = 0xff & (s[(s11 / 0x20) + sha3(0x0, 0x20)] / (0x100 ** ($s11 % 0x20)))
                                                  assert($s8 < s[$s7])
                                                  m[0x0] = \$s7
                                                  $s14 = ($s8 / 0x20) + sha3(0x0, 0x20)
                                                  $s13 = 0x100 ** ($s8 % 0x20)
                                                  s[\$s14] = ((0xff \& \$s11) * \$s13) | ((! (0xff * \$s13)) \& s[\$s14])
                                                  $s8 = 0x1 + $s8
                                                $s12 = s[$s7] - 0x1
                                                assert(\$s12 < s[\$s7])
                                                $s11 = $s12
                                                m[0x0] = $s7
                                                $s13 = ($s11 / 0x20) + sha3(0x0, 0x20)
                                                s[\$s13] = (! (0xff * (0x100 ** (\$s11 % 0x20)))) \& s[\$s13]
                                                = intcall3(s[\$s7] - 0x1, \$s7, 0x1c17)
                                                goto 0x1c57
                                              } else {
                                                assert($s4 < s[$s7])
                                                m[0x0] = \$s7
                                                $s14 = ($s4 / 0x20) + sha3(0x0, 0x20)
                                                $s13 = 0x100 ** ($s4 % 0x20)
                                                s[\$s14] = ((0xff \& \$s6) * \$s13) | ((! (0xff * \$s13)) \& s[\$s14])
                                            m[\$m] = 0 \times 0
                                            return($m, (0x20 + $m) - $m)
```