```
                                            fibonacci
  0:      &()     *t0 <- &_str_1
  1:      param   0 <- t0
  2:      call    WriteStr
  3:      call    WriteLn
  4:      call    WriteLn
  5:      &()     *t1 <- &_str_2
  6:      param   0 <- t1
  7:      call    t2 <- ReadNumber
  8:      assign i <- t2
  9: 5_while_cond:
 10:      if      i > 0 goto 6_while_body
 11:      goto    4
 12: 6_while_body:
 13:      &()     *t3 <- &_str_3
 14:      param   0 <- t3
 15:      call    WriteStr
 16:      param   0 <- i
 17:      call    WriteInt
 18:      &()     *t4 <- &_str_4
 19:      param   0 <- t4
 20:      call    WriteStr
 21:      param   0 <- i
 22:      call    t5 <- fib
 23:      param   0 <- t5
 24:      call    WriteInt
 25:      call    WriteLn
 26:      &()     *t6 <- &_str_5
 27:      param   0 <- t6
 28:      call    t7 <- ReadNumber
 29:      assign i <- t7
 30:      goto    5_while_cond
 31: 4:
```

```
                                      fib
  0:      if      n <= 1 goto 1_if_true
  1:      goto    2_if_false
  2: 1_if_true:
  3:      return n
  4:      goto    0
  5: 2_if_false:
  6:      sub     t8 <- n, 1
  7:      param   0 <- t8
  8:      call    t9 <- fib
  9:      sub     t10 <- n, 2
 10:      param   0 <- t10
 11:      call    t11 <- fib
 12:      add     t12 <- t9, t11
 13:      return t12
 14: 0:
```

```
                                  ReadNumber
  0:      param   0 <- str
  1:      call    WriteStr
  2:      call    t8 <- ReadInt
  3:      assign i <- t8
  4:      return t8
```