```
                                                test10
    0:      &()     *t0 <- &_str_1
    1:      param  0 <- t0
    2:      call    WriteStr
    3:      &()     *t1 <- &_str_2
    4:      param  0 <- t1
    5:      call    t2 <- ReadNumber
    6:      assign i <- t2
    7: 3_while_cond:
    8:      if      i > 0 goto 4_while_body
    9:      goto    2
   10: 4_while_body:
   11:      &()     *t3 <- &_str_3
   12:      param  0 <- t3
   13:      call    WriteStr
   14:      param  0 <- i
   15:      call    t4 <- sum_rec
   16:      param  0 <- t4
   17:      call    WriteInt
   18:      call    WriteLn
   19:      &()     *t5 <- &_str_4
   20:      param  0 <- t5
   21:      call    WriteStr
   22:      param  0 <- i
   23:      call    t6 <- sum_iter
   24:      param  0 <- t6
   25:      call    WriteInt
   26:      call    WriteLn
   27:      &()     *t7 <- &_str_5
   28:      param  0 <- t7
   29:      call    WriteStr
   30:      param  0 <- i
   31:      call    t8 <- sum_alg
   32:      param  0 <- t8
   33:      call    WriteInt
   34:      call    WriteLn
   35:      &()     *t9 <- &_str_6
   36:      param  0 <- t9
   37:      call    t10 <- ReadNumber
   38:      assign i <- t10
   39:      goto    3_while_cond
   40: 2:
```

```
                            sum_rec
    0:      if      n > 0 goto 1_if_true
    1:      goto    2_if_false
    2: 1_if_true:
    3:      sub     t11 <- n, 1
    4:      param  0 <- t11
    5:      call    t12 <- sum_rec
    6:      add     t13 <- n, t12
    7:      return t13
    8:      goto    0
    9: 2_if_false:
   10:      return 0
   11: 0:
```

```
                                sum_iter
    0:      assign sum <- 0
    1:      assign i <- 0
    2: 3_while_cond:
    3:      if      i <= n goto 4_while_body
    4:      goto    2
    5: 4_while_body:
    6:      add     t11 <- sum, i
    7:      assign sum <- t11
    8:      add     t12 <- i, 1
    9:      assign i <- t12
   10:      goto    3_while_cond
   11: 2:
   12:      return sum
```

```
                        sum_alg
    0:      add     t11 <- n, 1
    1:      mul     t12 <- n, t11
    2:      div     t13 <- t12, 2
    3:      return t13
```

```
                        ReadNumber
    0:      param  0 <- str
    1:      call    WriteStr
    2:      call    t11 <- ReadInt
    3:      assign i <- t11
    4:      return t11
```