

```

                                factorial
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 <- fact
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:

```

```

                                fact
0:      if      n <= 0 goto 1_if_true
1:      goto    2_if_false
2: 1_if_true:
3:      return  0
4:      goto    0
5: 2_if_false:
6:      if      n <= 1 goto 6_if_true
7:      goto    7_if_false
8: 6_if_true:
9:      return  n
10:     goto    5
11: 7_if_false:
12:     sub      t8 <- n, 1
13:     param  0 <- t8
14:     call   t9 <- fact
15:     mul     t10 <- n, t9
16:     return  t10
17: 5:
18: 0:

```

```

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

```