

```

                                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:

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```

                                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

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```

                                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:    return t11

```