

Main
_t0 := NEW Sum
_t1 := CALL _t0.calcSum(100)
PRINT _t1
EXIT

Sum_calcSum
sum := 0
goto whileCondition_1

whileCondition_1
_t2 := 1 < num
if _t2 goto whileBody_2 else goto whileExit_3

true

false

whileBody_2
goto whileCondition_4

whileExit_3
RETURN sum

whileCondition_4
_t3 := 2 < num
if _t3 goto whileBody_5 else goto whileExit_6

true

false

whileBody_5
goto whileCondition_7

whileExit_6
goto whileCondition_1

whileCondition_7
_t4 := 3 < num
if _t4 goto whileBody_8 else goto whileExit_9

true

false

whileBody_8
_t6 := 50 < num
_t7 := sum < 2000
_t5 := _t6 && _t7
if _t5 goto block_11 else goto block_10

true

false

block_10
PRINT sum
goto block_12

block_11
PRINT num
goto block_12

block_12
_t8 := sum + num
sum := _t8
_t9 := num - 1
num := _t9
goto whileCondition_7

whileExit_9
goto whileCondition_4

whileBody_20
goto whileCondition_22

whileCondition_22
_t13 := 0 < num
if _t13 goto whileBody_23 else goto whileExit_24

true

false

whileBody_23
_t14 := sum + num
sum := _t14
_t15 := num - 1
num := _t15
goto whileCondition_22

whileExit_24
goto whileCondition_19

whileCondition_19
_t12 := 0 < num
if _t12 goto whileBody_20 else goto whileExit_21

true

false

whileExit_21
goto whileCondition_16

whileCondition_16
_t11 := 0 < num
if _t11 goto whileBody_17 else goto whileExit_18

true

false

whileBody_17
goto whileCondition_19

whileExit_18
goto whileCondition_13

whileCondition_13
_t10 := 0 < num
if _t10 goto whileBody_14 else goto whileExit_15

true

false

whileBody_14
goto whileCondition_16

whileExit_15
RETURN sum

Sum_calcSum1
sum := 0
goto whileCondition_13

Sum_calcSum2
sum := 0
_t17 := 50 < num
_t18 := sum < 2000
_t16 := _t17 && _t18
if _t16 goto block_26 else goto block_25

true

false

block_25
_t20 := 50 < num
_t21 := sum < 2000
_t19 := _t20 && _t21
if _t19 goto block_29 else goto block_28

true

false

block_28
_t23 := 50 < num
_t24 := sum < 2000
_t22 := _t23 && _t24
if _t22 goto block_32 else goto block_31

true

false

block_31
PRINT sum
goto block_33

block_32
PRINT num
goto block_33

block_33
goto block_30

block_30
goto block_27

block_26
PRINT num
goto block_27

block_27
RETURN sum