Main
__t0 := NEW FacFib
__t1 := CALL __t0.Compute(5,10)
PRINT __t1
EXIT

FacFib_Compute
__t4 := first < 1
__t3 := ! __t4
__t6 := second < 1
__t5 := ! __t6
__t2 := __t3 && __t5
if __t2 goto block_2 else goto block_1

block_1
fac := CALL this.ComputeFac()
PRINT fac
fib := CALL this.ComputeFib()
PRINT fib
returnValue := 1
goto block_3

block_2
returnValue := 0
goto block_3

block_3
RETURN returnValue

FacFib_ComputeFac
__t7 := num < 1
if __t7 goto block_5 else goto block_4

block_4
fac := 1
goto block_6

block_5
t10 := num - 1
__t9 := CALL THIS.ComputeFac(__t10)
__t8 := num * __t9
fac := __t8
goto block_6

block_6
RETURN fac

FacFib_ComputeFib
f0 := 0
f1 := 1
fib := num
i := 1
goto whileCondition_7

whileCondition_7
__t11 := i < num
if whileExit_7 goto __t11 else goto whileBody_7

whileBody_7
__t12 := f1 + f0
fib := __t12
f0 := f1
f1 := fib
__t13 := i + 1
i := __t13
goto whileCondition_7

whileExit_7
RETURN fib

true

false

true

false

true

false