```
Block 0 (PC 0-2)
  0: LoadConstUndefined r0
  1: Ret
               Unconditional
            EXIT
          Function 0
```

```
0: CreateEnvironment r1
             1: LoadParam
                                   r7, 2
             2: CreateClosure
                                   r3, r1, Function<assert>2
             3: GetGlobalObject
                                   r2
             4: GetByIdShort
                                   r0, r2, 1, "print"
             5: TypeOf
                                   r4, r0
                                  r0, "function"
             6: LoadConstString
             7: JStrictEqual
                                   L1, r4, r0
           [CONDITIONAL: IF-ELSE]
                            False Branch
Block 1 (PC 8-12)
                        r4, r2, 2, "global"
 0: TryGetById
                        r0, r2, 3, "console"
 1: TryGetById
                                                 True Branch
                        r0, r0, 4, "log"
 2: GetByIdShort
                        r4, r0, 1, "print"
 3: PutById
[CONDITIONAL: IF-ELSE]
                        Fall Through
    Block 2 (PC 12-59) [L1]
      0: TryGetById
                            r5, r2, 1, "print"
      1: LoadConstUndefined r0
      2: LoadConstString
                            r4, "Starting Hermes CJS smoke test ..."
      3: Call2
                            r4, r5, r0, r4
                            r4, "./math"
      4: LoadConstString
                            r8, r7, r0, r4
      5: Call2
      6: GetByIdShort
                            r9, r8, 5, "add"
      7: LoadConstUInt8
                            r6, 2
      8: LoadConstUInt8
                            r5, 3
      9: Call3
                            r10, r9, r8, r6, r5
      10: LoadConstUInt8
                            r9, 5
                             r10, r10, r9
      11: StrictEq
                             r9, "add() should add"
      12: LoadConstString
                             r9, r3, r0, r10, r9
      13: Call3
                             r11, r8, 6, "mul"
      14: GetByIdShort
                             r10, 6
      15: LoadConstUInt8
      16: LoadConstUInt8
                             r9, 7
      17: Call3
                             r10, r11, r8, r10, r9
      18: LoadConstUInt8
                             r9, 42
                             r10, r10, r9
      19: StrictEq
                             r9, "mul() should multiply"
      20: LoadConstString
      21: Call3
                             r9, r3, r0, r10, r9
                             r4, r7, r0, r4
      22: Call2
      23: StrictEq
                             r8, r4, r8
                             r4, "require cache"
      24: LoadConstString
                             r4, r3, r0, r8, r4
      25: Call3
                             r4, "path"
      26: LoadConstString
      27: Call2
                             r8, r7, r0, r4
                             r4, r2, 7, "__dirname"
      28: TryGetById
      29: GetByIdShort
                             r7, r8, 8, "dirname"
                             r2, r2, 9, "__filename"
      30: TryGetById
      31: Call2
                             r2, r7, r8, r2
      32: StrictEq
                             r4, r4, r2
                             r2, "__dirname works"
      33: LoadConstString
      34: Call3
                             r2, r3, r0, r4, r2
                             r4, r1, Function<spreadSum>3
      35: CreateClosure
      36: LoadConstUInt8
                             r15, 1
      37: LoadConstUInt8
                             r12, 4
      38: LoadConstUndefined r16
                             r14, r6
      39: Mov
                             r13, r5
      40: Mov
      41: Call
                             r2, r4, 5
      42: LoadConstUInt8
                             r1, 10
                             r2, r2, r1
      43: StrictEq
      44: LoadConstString
                             r1, "arrow + rest/spread"
      45: Call3
                             r1, r3, r0, r2, r1
      46: Ret
                             r0
                                    Unconditional
                                  EXIT
```

Block 0 (PC 0-8)

```
Block 0 (PC 0-3)
                                                                                              r2, 2
                                                                        0: LoadParam
                                                                        1: LoadParam
                                                                                              r0, 1
                                                                        2: JmpTrueLong
                                                                                              L1, r0
                                                                       [CONDITIONAL: IF-ELSE]
                                                                                               True Branch
                                                                                False Branch
                                                   Block 1 (PC 3-8)
                                                     0: GetGlobalObject
                                                                           r0
                                                                           r1, r0, 1, "print"
                                                     1: GetByIdShort
                                                     2: TypeOf
                                                                           r1, r1
                                                                           r3, "function"
                                                     3: LoadConstString
                                                     4: JStrictEqual
                                                                           L2, r1, r3
                                                   [CONDITIONAL: IF-ELSE]
                                                                                     Block 9 (PC 39-41) [L1]
                                                                                       0: LoadConstUndefined r0
                                                      False Branch
                                                                        True Branch
                                                                                       1: Ret
                                                                                                             r0
                                                                                     [CONDITIONAL: IF-ELSE]
 Block 2 (PC 8-11)
                         r1, r0, 2, "console"
                                                   Block 3 (PC 11-12) [L2]
   0: TryGetById
                         r5, r1, 3, "log"
   1: GetByIdShort
                                                                         r5, r0, 1, "print"
                                                     0: TryGetById
                                                   [CONDITIONAL: IF-ELSE]
   2: Jmp
 [CONDITIONAL: IF-ELSE]
                                      Unconditional
                                                                   Fall Through
                               Block 4 (PC 12-19) [L3]
                                 0: LoadConstString r1, "Assertion failed - "
                                 1: Add
                                                        r1, r1, r2
                                  2: LoadConstUndefined r4
                                  3: Call2
                                                        r1, r5, r4, r1
                                 4: GetByIdShort
                                                        r1, r0, 4, "quit"
                                                        r1, r1
                                  5: TypeOf
                                  6: JStrictEqual
                                                        L4, r1, r3
                                [CONDITIONAL: IF-ELSE]
                                                                       True Branch
                                                    False Branch
                         Block 5 (PC 19-23)
                                                 r1, r0, 5, "process"
                           0: GetByIdShort
                           1: TypeOf
                                                 r3, r1
                                                                                                   Unconditional
                                                 r1, "undefined"
                           2: LoadConstString
                                                 L5, r3, r1
                           3: JStrictEqual
                         [CONDITIONAL: IF-ELSE]
                                                      Block 7 (PC 28-31) [L4]
                                                        0: TryGetById
                                                                              r3, r0, 4, "quit"
                                       False Branch
                                                        1: LoadConstUInt8
                                                                              r1, 1
                                                                              r1, r3, r4, r1
                                                        2: Call2
                                                      [CONDITIONAL: IF-ELSE]
Block 6 (PC 23-28)
                        r5, r0, 5, "process"
  0: TryGetById
                        r3, r5, 6, "exit"
  1: GetByIdShort
                                                                        Fall Through
  2: LoadConstUInt8
                        r1, 1
                                                        True Branch
  3: Call2
                        r1, r3, r5, r1
  4: Jmp
[CONDITIONAL: IF-ELSE]
                                      Unconditional
                                     Block 8 (PC 31-39) [L5]
                                                             r0, r0, 7, "Error"
                                       0: TryGetById
                                                             r1, r0, 8, "prototype"
                                       1: GetByIdShort
                                                             r1, r1, r0
                                       2: CreateThis
                                       3: Mov
                                                             r7, r1
                                       4: Mov
                                                             r6, r2
                                       5: Construct
                                                             r0, r0, 2
                                       6: SelectObject
                                                             r0, r1, r0
                                       7: Throw
                                                             r0
                                                                               Unconditional
                                                                                  EXIT
```

```
Block 0 (PC 0-8)

0: LoadConstZero r3

1: LoadConstZero r5

2: CallBuiltin r2, 45, 2

3: GetByIdShort r1, r2, 1, "reduce"

4: CreateEnvironment r0

5: CreateClosure r0, r0, Function<>4

6: Call3 r0, r1, r2, r0, r3

7: Ret r0
```

Function 3

Unconditional

```
Block 0 (PC 0-4)
0: LoadParam r1, 1
1: LoadParam r0, 2
2: Add r0, r1, r0
3: Ret r0

Unconditional
```

Function 4

```
Block 0 (PC 0-10)
 0: CreateEnvironment r0
 1: CreateClosure r2, r0, Function<add>7
 2: LoadParam
                   r1, 1
                r1, r2, 1, "add"
 3: PutById
 4: LoadParam
                   r1, 3
 5: GetByIdShort r1, r1, 1, "exports"
 6: CreateClosure r0, r0, Function<mul>6
 7: PutById
             r1, r0, 2, "mul"
 8: LoadConstUndefined r0
 9: Ret
                     r0
```

Function 5

Unconditional

```
Block 0 (PC 0-4)
  0: LoadParam
                         r1, 1
  1: LoadParam
                         r0, 2
  2: Mul
                         r0, r1,
  3: Ret
                         r0
                  Unconditional
```

EXIT Function 6

```
Block 0 (PC 0-4)
0: LoadParam r1, 1
1: LoadParam r0, 2
2: Add r0, r1, r0
3: Ret r0

Unconditional
```

Function 7