```
Block 0 (PC 0-3)
  0: LoadConstUndefined r0
  1: AsyncBreakCheck
  2: Ret                    r0
```

Unconditional

EXIT

Function 0

```
Block 0 (PC 0-9)
   0: CreateEnvironment r0
   1: LoadParam          r5, 2
   2: CreateClosure      r4, r0, Function<assert>2
   3: GetGlobalObject    r2
   4: GetByIdShort       r1, r2, 1, "print"
   5: TypeOf             r3, r1
   6: LoadConstString    r1, "function"
   7: AsyncBreakCheck
   8: JStrictEqual       L1, r3, r1
[CONDITIONAL: IF-ELSE]
```

False Branch

True Branch

```
Block 1 (PC 9-14)
   0: TryGetById         r3, r2, 2, "globalThis"
   1: TryGetById         r1, r2, 2, "globalThis"
   2: GetByIdShort       r1, r1, 3, "console"
   3: GetByIdShort       r1, r1, 4, "log"
   4: PutById            r3, r1, 1, "print"
[CONDITIONAL: IF-ELSE]
```

Fall Through

```
Block 2 (PC 14-63) [L1]
   0: TryGetById         r6, r2, 1, "print"
   1: LoadConstUndefined r1
   2: LoadConstString    r3, "Starting Hermes CJS smoke test …"
   3: Call2              r3, r6, r1, r3
   4: LoadConstString    r3, "math"
   5: Call2              r8, r5, r1, r3
   6: GetByIdShort       r9, r8, 5, "add"
   7: LoadConstUInt8     r7, 2
   8: LoadConstUInt8     r6, 3
   9: Call3              r10, r9, r8, r7, r6
  10: LoadConstUInt8     r9, 5
  11: StrictEq           r10, r10, r9
  12: LoadConstString    r9, "add() should add"
  13: Call3              r9, r4, r1, r10, r9
  14: GetByIdShort       r11, r8, 6, "mul"
  15: LoadConstUInt8     r10, 6
  16: LoadConstUInt8     r9, 7
  17: Call3              r10, r11, r8, r10, r9
  18: LoadConstUInt8     r9, 42
  19: StrictEq           r10, r10, r9
  20: LoadConstString    r9, "mul() should multiply"
  21: Call3              r9, r4, r1, r10, r9
  22: Call2              r3, r5, r1, r3
  23: StrictEq           r8, r3, r8
  24: LoadConstString    r3, "require cache"
  25: Call3              r3, r4, r1, r8, r3
  26: LoadConstString    r3, "path"
  27: Call2              r8, r5, r1, r3
  28: TryGetById         r3, r2, 2, "globalThis"
  29: GetByIdShort       r3, r3, 7, "__dirname"
  30: GetByIdShort       r5, r8, 8, "dirname"
  31: TryGetById         r2, r2, 2, "globalThis"
  32: GetByIdShort       r2, r2, 9, "__filename"
  33: Call2              r2, r5, r8, r2
  34: StrictEq           r3, r3, r2
  35: LoadConstString    r2, "__dirname works"
  36: Call3              r2, r4, r1, r3, r2
  37: CreateClosure      r5, r0, Function<spreadSum>3
  38: LoadConstUInt8     r15, 1
  39: LoadConstUInt8     r12, 4
  40: LoadConstUndefined r16
  41: Mov                r14, r7
  42: Mov                r13, r6
  43: Call               r3, r5, 5
  44: LoadConstUInt8     r2, 10
  45: StrictEq           r3, r3, r2
  46: LoadConstString    r2, "arrow + rest/spread"
  47: Call3              r2, r4, r1, r3, r2
  48: Ret                r1
[CONDITIONAL: IF-ELSE]
```
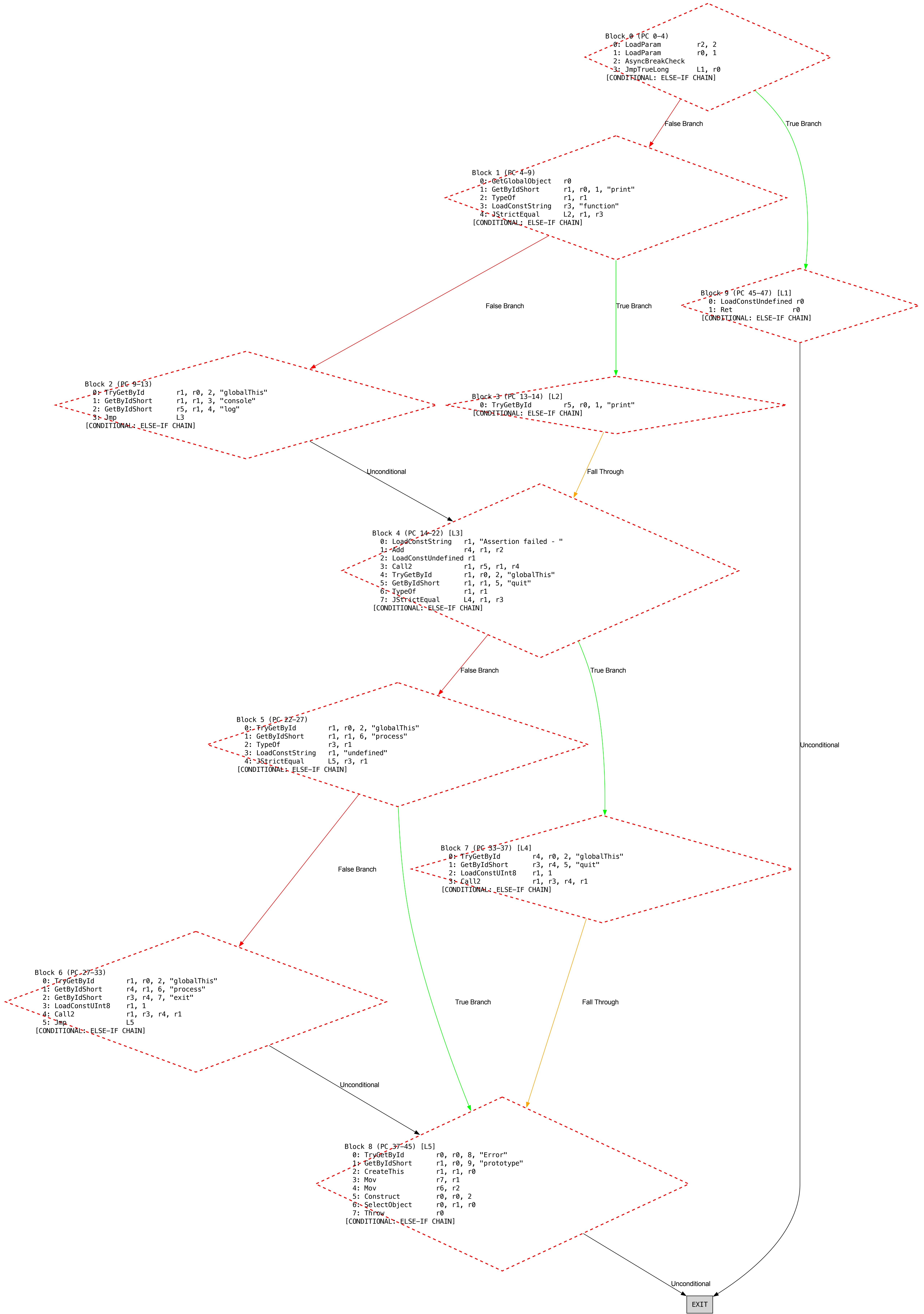
Unconditional

EXIT

Function 1

Block 0 (PC 0-4)
```
    0: LoadParam        r2, 2
    1: LoadParam        r0, 1
    2: AsyncBreakCheck
    3: JmpTrueLong      L1, r0
[CONDITIONAL: ELSE-IF CHAIN]
```

False Branch
True Branch

Block 1 (PC 4-9)
```
    0: GetGlobalObject   r0
    1: GetByIdShort      r1, r0, 1, "print"
    2: TypeOf            r1, r1
    3: LoadConstString   r3, "function"
    4: JStrictEqual      L2, r1, r3
[CONDITIONAL: ELSE-IF CHAIN]
```

False Branch
True Branch

Block 9 (PC 45-47) [L1]
```
    0: LoadConstUndefined r0
    1: Ret                r0
[CONDITIONAL: ELSE-IF CHAIN]
```

Block 2 (PC 9-13)
```
    0: TryGetById        r1, r0, 2, "globalThis"
    1: GetByIdShort      r1, r1, 3, "console"
    2: GetByIdShort      r5, r1, 4, "log"
    3: Jmp               L3
[CONDITIONAL: ELSE-IF CHAIN]
```

Block 3 (PC 13-14) [L2]
```
    0: TryGetById        r5, r0, 1, "print"
[CONDITIONAL: ELSE-IF CHAIN]
```

Unconditional
Fall Through

Block 4 (PC 14-22) [L3]
```
    0: LoadConstString   r1, "Assertion failed - "
    1: Add               r4, r1, r2
    2: LoadConstUndefined r1
    3: Call2             r1, r5, r1, r4
    4: TryGetById        r1, r0, 2, "globalThis"
    5: GetByIdShort      r1, r1, 5, "quit"
    6: TypeOf            r1, r1
    7: JStrictEqual      L4, r1, r3
[CONDITIONAL: ELSE-IF CHAIN]
```

False Branch
True Branch

Block 5 (PC 22-27)
```
    0: TryGetById        r1, r0, 2, "globalThis"
    1: GetByIdShort      r1, r1, 6, "process"
    2: TypeOf            r3, r1
    3: LoadConstString   r1, "undefined"
    4: JStrictEqual      L5, r3, r1
[CONDITIONAL: ELSE-IF CHAIN]
```

Block 7 (PC 33-37) [L4]
```
    0: TryGetById        r4, r0, 2, "globalThis"
    1: GetByIdShort      r3, r4, 5, "quit"
    2: LoadConstUInt8    r1, 1
    3: Call2             r1, r3, r4, r1
[CONDITIONAL: ELSE-IF CHAIN]
```

False Branch
True Branch
Fall Through

Block 6 (PC 27-33)
```
    0: TryGetById        r1, r0, 2, "globalThis"
    1: GetByIdShort      r4, r1, 6, "process"
    2: GetByIdShort      r3, r4, 7, "exit"
    3: LoadConstUInt8    r1, 1
    4: Call2             r1, r3, r4, r1
    5: Jmp               L5
[CONDITIONAL: ELSE-IF CHAIN]
```

Unconditional

Block 8 (PC 37-45) [L5]
```
    0: TryGetById        r0, r0, 8, "Error"
    1: GetByIdShort      r1, r0, 9, "prototype"
    2: CreateThis        r1, r1, r0
    3: Mov               r7, r1
    4: Mov               r6, r2
    5: Construct         r0, r0, 2
    6: SelectObject      r0, r1, r0
    7: Throw             r0
[CONDITIONAL: ELSE-IF CHAIN]
```

Unconditional
Unconditional

EXIT

Function 2

```
Block 0 (PC 0–9)
  0: LoadConstZero    r4
  1: LoadConstZero    r6
  2: CallBuiltin      r3, 45, 2
  3: GetByIdShort     r2, r3, 1, "reduce"
  4: CreateEnvironment r0
  5: CreateClosure    r1, r0, Function<>4
  6: Call3            r1, r2, r3, r1, r4
  7: AsyncBreakCheck
  8: Ret              r1
```

Unconditional

EXIT

Function 3

```
Block 0 (PC 0–5)
  0: LoadParam          r1, 1
  1: LoadParam          r0, 2
  2: Add                r0, r1, r0
  3: AsyncBreakCheck
  4: Ret                r0
```

Unconditional

EXIT

Function 4

```
Block 0 (PC 0–11)
  0: CreateEnvironment r0
  1: CreateClosure      r2, r0, Function<add>7
  2: LoadParam          r1, 1
  3: PutById            r1, r2, 1, "add"
  4: LoadParam          r1, 3
  5: GetByIdShort       r2, r1, 1, "exports"
  6: CreateClosure      r1, r0, Function<mul>6
  7: PutById            r2, r1, 2, "mul"
  8: LoadConstUndefined r1
  9: AsyncBreakCheck
  10: Ret               r1
```

Unconditional

EXIT

Function 5

```
Block 0 (PC 0–5)
  0: LoadParam          r1, 1
  1: LoadParam          r0, 2
  2: Mul                r0, r1, r0
  3: AsyncBreakCheck
  4: Ret                r0
```

Unconditional

EXIT

Function 6

```
Block 0 (PC 0–5)
  0: LoadParam          r1, 1
  1: LoadParam          r0, 2
  2: Add                r0, r1, r0
  3: AsyncBreakCheck
  4: Ret                r0
```

Unconditional

EXIT

Function 7