```
Block 0 (PC 0-191)
                                                    0: DeclareGlobalVar "run"
                                                    1: LoadConstUndefined r6
                                                    2: LoadConstUndefined r7
                                                     3: LoadConstUndefined r8
                                                    4: LoadConstUndefined r9
                                                    5: CreateEnvironment r0
                                                                         r0, r0, Function<run>1
                                                    6: CreateClosure
                                                    7: GetGlobalObject r5
                                                    8: PutById
                                                                         r5, r0, 1, "run"
                                                    9: LoadConstString r0, "use strict"
                                                    10: NewArrayWithBuffer r2, 3, 1, 0
                                                                         r1, "d+", "", 0
                                                    11: CreateRegExp
                                                    12: PutOwnByIndex
                                                                         r2, r1, 1
                                                    13: LoadConstString r1, "12345"
                                                    14: PutOwnByIndex
                                                                          r2, r1, 2
                                                    15: NewArray
                                                                          r1, 29
                                                    16: PutOwnByIndex
                                                                          r1, r2, 0
                                                    17: NewArrayWithBuffer r2, 3, 1, 3
                                                    18: CreateRegExp
                                                                         r3, "b[A-Za-z]+b", "", 1
                                                    19: PutOwnByIndex
                                                                          r2, r3, 1
                                                    20: LoadConstString r3, "hello"
                                                    21: PutOwnByIndex
                                                                          r2, r3, 2
                                                    22: PutOwnByIndex
                                                                         r1, r2, 1
                                                    23: NewArrayWithBuffer r2, 3, 1, 5
                                                                          r3, "^[w.+-]+@[w.-]+.[A-Za-z]{2,}$", "", 2
                                                    24: CreateRegExp
                                                    25: PutOwnByIndex
                                                                          r2, r3, 1
                                                    26: LoadConstString r3, "me@example.com"
                                                    27: PutOwnByIndex
                                                                          r2, r3, 2
                                                    28: PutOwnByIndex
                                                                         r1, r2, 2
                                                    29: NewArrayWithBuffer r2, 3, 1, 7
                                                                          r3, "^(?:https?)://(www.)?[^s/$.?#].[^s]*$", "i", 3
                                                    30: CreateRegExp
                                                    31: PutOwnByIndex
                                                                         r2, r3, 1
                                                    32: LoadConstString r3, "https://example.org/path"
                                                    33: PutOwnByIndex
                                                                          r2, r3, 2
                                                                         r1, r2, 3
                                                    34: PutOwnByIndex
                                                    35: NewArrayWithBuffer r2, 3, 1, 9
                                                                         r3, "^(d{1,3}.){3}d{1,3}$", "", 4
                                                    36: CreateRegExp
                                                    37: PutOwnByIndex
                                                                         r2, r3, 1
                                                    38: LoadConstString r3, "192.168.0.42"
                                                                          r2, r3, 2
                                                     39: PutOwnByIndex
                                                    40: PutOwnByIndex
                                                                          r1, r2, 4
                                                    41: NewArrayWithBuffer r2, 3, 1, 11
                                                    42: CreateRegExp
                                                                          r3, "^([0-9a-f]{2}:){5}[0-9a-f]{2}$", "i", 5
                                                    43: PutOwnByIndex
                                                                         r2, r3, 1
                                                    44: LoadConstString r3, "aa:bb:cc:dd:ee:ff"
                                                                         r2, r3, 2
                                                    45: PutOwnByIndex
                                                     46: PutOwnByIndex r1, r2, 5
                                                    47: NewArrayWithBuffer r2, 3, 1, 13
                                                    48: CreateRegExp r3, "^(?:+?1s*(?:[.-]s*)?)?(?:(s*d{3}s*)|d{3})s*(?:[.-]s*)?d{3}s*(?:[.-]s*)?d{4}$", "", 6
                                                    49: PutOwnByIndex
                                                                          r2, r3, 1
                                                    50: LoadConstString r3, "(123)-456-7890"
                                                    51: PutOwnByIndex
                                                                          r2, r3, 2
                                                    52: PutOwnByIndex
                                                                          r1, r2, 6
                                                    53: NewArrayWithBuffer r2, 3, 1, 15
                                                    54: CreateRegExp
                                                                          r3, "^s+|s+$", "g", 7
                                                    55: PutOwnByIndex
                                                                          r2, r3, 1
                                                    56: LoadConstString r3, " padded "
                                                    57: PutOwnByIndex
                                                                          r2, r3, 2
                                                    58: PutOwnByIndex
                                                                          r1, r2, 7
                                                    59: NewArrayWithBuffer r2, 3, 1, 17
                                                    60: CreateRegExp
                                                                          r3, "(w)1+", "", 8
                                                    61: PutOwnByIndex
                                                                         r2, r3, 1
                                                    62: LoadConstString r3, "boooook"
                                                    63: PutOwnByIndex
                                                                          r2, r3, 2
                                                    64: PutOwnByIndex
                                                                          r1, r2, 8
                                                    65: NewArrayWithBuffer r2, 3, 1, 19
                                                                          r3, "(a(b(c)))321", "", 9
                                                    66: CreateRegExp
                                                    67: PutOwnByIndex
                                                                          r2, r3, 1
                                                    68: LoadConstString r3, "abccba"
                                                    69: PutOwnByIndex
                                                                          r2, r3, 2
                                                    70: PutOwnByIndex
                                                                          r1, r2, 9
                                                                          r3, "^(?<year>d{4})-(?<month>d{2})-(?<day>d{2})$", "", 10
                                                    71: CreateRegExp
                                                    72: NewObjectWithBuffer r18, 3, 3, 0, 0
                                                    73: Mov
                                                                          r19, r3
                                                    74: CallBuiltin
                                                                          r2, 50, 3
                                                    75: NewArrayWithBuffer r2, 3, 1, 21
                                                    76: PutOwnByIndex
                                                                          r2, r3, 1
                                                    77: LoadConstString r3, "2023-04-01"
                                                    78: PutOwnByIndex
                                                                          r2, r3, 2
                                                    79: PutOwnByIndex
                                                                          r1, r2, 10
                                                    80: NewArrayWithBuffer r2, 3, 1, 23
                                                    81: CreateRegExp
                                                                          r3, "(?<=foo)w+", "", 11
                                                    82: PutOwnByIndex
                                                                          r2, r3, 1
                                                    83: LoadConstString r3, "foobarbaz"
                                                    84: PutOwnByIndex
                                                                          r2, r3, 2
                                                                          r1, r2, 11
                                                    85: PutOwnByIndex
                                                    86: NewArrayWithBuffer r2, 3, 1, 25
                                                    87: CreateRegExp
                                                                          r3, "(?<!d)d{3}(?!d)", "", 12
                                                    88: PutOwnByIndex
                                                                          r2, r3, 1
                                                    89: LoadConstString r3, "abc123def"
                                                    90: PutOwnByIndex
                                                                          r2, r3, 2
                                                    91: PutOwnByIndex
                                                                          r1, r2, 12
                                                    92: NewArrayWithBuffer r2, 3, 1, 27
                                                    93: CreateRegExp
                                                                          r3, "(?:(?!abc).)*", "s", 13
                                                    94: PutOwnByIndex
                                                                         r2, r3, 1
                                                    95: LoadConstString r3, "xyzabc"
                                                    96: PutOwnByIndex
                                                                          r2, r3, 2
                                                    97: PutOwnByIndex
                                                                          r1, r2, 13
                                                    98: NewArrayWithBuffer r2, 3, 1, 29
                                                                          r3, "p{Emoji_Presentation}", "u", 14
                                                     99: CreateRegExp
                                                    100: PutOwnByIndex
                                                                         r2, r3, 1
                                                                          r3, "🔐
                                                     101: LoadConstString
                                                    102: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 14
                                                    103: PutOwnByIndex
                                                    104: NewArrayWithBuffer r2, 3, 1, 31
                                                                           r4, "u{1F600}", "u", 15
                                                    105: CreateRegExp
                                                    106: PutOwnByIndex
                                                                           r2, r4, 1
                                                                           r2, r3, 2
                                                     107: PutOwnByIndex
                                                                           r1, r2, 15
                                                    108: PutOwnByIndex
                                                    109: NewArrayWithBuffer r2, 3, 1, 33
                                                                           r3, "(?<=^|s)#[w]+b", "", 16
                                                    110: CreateRegExp
                                                    111: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "tweet with #hashtag"
                                                    112: LoadConstString
                                                    113: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 16
                                                    114: PutOwnByIndex
                                                    115: NewArrayWithBuffer r2, 3, 1, 35
                                                                           r3, "(d{1,3}(,d{3})*)(.d+)?", "", 17
                                                    116: CreateRegExp
                                                    117: PutOwnByIndex
                                                                          r2, r3, 1
                                                    118: LoadConstString
                                                                          r3, "1,234,567.89"
                                                    119: PutOwnByIndex
                                                                          r2, r3, 2
                                                                           r1, r2, 17
                                                    120: PutOwnByIndex
                                                    121: NewArrayWithBuffer r2, 3, 1, 37
                                                    122: CreateRegExp
                                                                           r3, "^(?!.*b(cat|dog)b).{6,}$", "i", 18
                                                    123: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "ilovecoffee"
                                                    124: LoadConstString
                                                    125: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 18
                                                    126: PutOwnByIndex
                                                    127: NewArrayWithBuffer r2, 3, 1, 39
                                                                           r3, "^.{0,5}$", "s", 19
                                                    128: CreateRegExp
                                                    129: PutOwnByIndex
                                                                           r2, r3, 1
                                                                          r3, "abc"
                                                     130: LoadConstString
                                                    131: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 19
                                                    132: PutOwnByIndex
                                                    133: NewArrayWithBuffer r2, 3, 1, 41
                                                                           r3, "abc", "y", 20
                                                    134: CreateRegExp
                                                    135: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "abcabc"
                                                    136: LoadConstString
                                                    137: PutOwnByIndex
                                                                           r2, r3, 2
                                                                           r1, r2, 20
                                                     138: PutOwnByIndex
                                                    139: NewArrayWithBuffer r2, 3, 1, 43
                                                                           r3, "[A-Z]+", "g", 21
                                                    140: CreateRegExp
                                                    141: PutOwnByIndex
                                                                           r2, r3, 1
                                                                          r3, "ABCdefGHI"
                                                    142: LoadConstString
                                                    143: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 21
                                                    144: PutOwnByIndex
                                                    145: NewArrayWithBuffer r2, 3, 1, 45
                                                                           r3, "a+", "gy", 22
                                                    146: CreateRegExp
                                                    147: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "aaaaa"
                                                    148: LoadConstString
                                                    149: PutOwnByIndex
                                                                           r2, r3, 2
                                                    150: PutOwnByIndex
                                                                          r1, r2, 22
                                                    151: NewArrayWithBuffer r2, 3, 1, 47
                                                                           r3, "(?:[0-9a-f]{1,4}:){7}[0-9a-f]{1,4}", "i", 23
                                                    152: CreateRegExp
                                                    153: PutOwnByIndex
                                                                          r2, r3, 1
                                                    154: LoadConstString
                                                                          r3, "2001:0db8:85a3:0000:0000:8a2e:0370:7334"
                                                    155: PutOwnByIndex
                                                                          r2, r3, 2
                                                    156: PutOwnByIndex
                                                                          r1, r2, 23
                                                    157: NewArrayWithBuffer r2, 3, 1, 49
                                                                           r3, "^(?=D*d)(?=.*[A-Z])(?=.*[a-z]).{8,}$", "", 24
                                                    158: CreateRegExp
                                                    159: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "Abcdef1g"
                                                    160: LoadConstString
                                                    161: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 24
                                                    162: PutOwnByIndex
                                                    163: NewArrayWithBuffer r2, 3, 1, 51
                                                    164: CreateRegExp
                                                                           r3, "^s*imports+[sS]+?froms+['"].+?['"];?$", "m", 25
                                                    165: PutOwnByIndex
                                                                           r2, r3, 1
                                                    166: LoadConstString
                                                                          r3, "import fs from 'node:fs';"
                                                    167: PutOwnByIndex
                                                                          r2, r3, 2
                                                    168: PutOwnByIndex
                                                                           r1, r2, 25
                                                    169: NewArrayWithBuffer r2, 3, 1, 53
                                                    170: CreateRegExp
                                                                           r3, "^rgba?(s*(d{1,3}%?s*,s*){2}d{1,3}%?s*(?:,s*(0|1|0?.d+))?)$", "", 26
                                                    171: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "rgba(255, 0, 0, 0.5)"
                                                    172: LoadConstString
                                                    173: PutOwnByIndex
                                                                           r2, r3, 2
                                                    174: PutOwnByIndex
                                                                          r1, r2, 26
                                                    175: NewArrayWithBuffer r2, 3, 1, 55
                                                    176: CreateRegExp
                                                                           r3, "foo/bar", "", 27
                                                    177: PutOwnByIndex
                                                                          r2, r3, 1
                                                                          r3, "foo/bar"
                                                    178: LoadConstString
                                                    179: PutOwnByIndex
                                                                           r2, r3, 2
                                                                          r1, r2, 27
                                                    180: PutOwnByIndex
                                                    181: NewArrayWithBuffer r2, 3, 1, 57
                                                    182: CreateRegExp
                                                                           r3, "[$_p{ID_Start}][$_u200Cu200Dp{ID_Continue}]*", "u", 28
                                                    183: PutOwnByIndex
                                                                          r2, r3, 1
                                                    184: LoadConstString
                                                                          r3, "πValue"
                                                    185: PutOwnByIndex
                                                                          r2, r3, 2
                                                    186: PutOwnByIndex
                                                                           r1, r2, 28
                                                    187: Mov
                                                                           r4, r1
                                                    188: IteratorBegin
                                                                           r2, r4
                                                                          r3, ""
                                                    189: LoadConstString
                                                                          r1, " --> threw:"
                                                     190: LoadConstString
                                                                                         Block 1 (PC 191-194)
                                                                                           0: IteratorNext
                                                                                                                                                                                                   Block 17 (PC 245-246)
                                                                                                                r11, r2, r4
                                                                                                                                                                                                     0: IteratorClose
                                                                                           1: Mov
                                                                                                                r10, r2
                                                                                                                                                                                                                         r2, 1
                                                                                           2: JStrictEqualLong L1, r10, r6
                                                                  Block 2 (PC 194-203)
                                                                    0: Mov
                                                                                         r13, r11
                                                                   1: IteratorBegin
                                                                                        r10, r13
                                                                    2: LoadConstUndefined r11
                                                                                                                                                                       Block 19 (PC 247-248)
                                                                                                                                                                                                    Block 18 (PC 246-247)
                                                                                                              Block 13 (PC 233-234)
                                                                                                                                           Block 16 (PC 244-245)
                                                                    3: LoadConstUndefined r12
                                                                                         r14, r10, r13
                                                                                                                                                                         0: Ret
                                                                                                                                                                                                      0: Throw
                                                                                                                                    r10
                                                                                                                                             0: Catch
                                                                                                                                                                                                                           r1
                                                                    4: IteratorNext
                                                                                                                0: Catch
                                                                                                                                                                  r1
                                                                                         r15, r10
                                                                    5: Mov
                                                                                         r15, r15, r6
                                                                    6: StrictEq
                                                                    7: Mov
                                                                                         r11, r15
                                                                                        L2, r15
                                                                    8: JmpTrue
                                                                      Block 3 (PC 203-204)
                                                                                                                                                                    EXIT
                                                                                            r12, r14
                                                                       0: Mov
                                                        Block 4 (PC 204-208)
                                                          0: Mov
                                                                               r7, r12
                                                          1: LoadConstUndefined r12
                                                          2: Mov
                                                                               r14, r11
                                                          3: JmpTrue
                                                                              L3, r14
                                                      Block 5 (PC 208-213)
                                                                             r14, r10, r13
                                                        0: IteratorNext
                                                        1: Mov
                                                                             r15, r10
                                                                             r15, r15, r6
                                                        2: StrictEq
                                                        3: Mov
                                                                             r11, r15
                                                        4: JmpTrue
                                                                             L3, r15
                                                           Block 6 (PC 213-214)
                                                                                 r12, r14
                                                             0: Mov
                                       Block 7 (PC 214-218)
                                                              r8, r12
                                         0: Mov
                                         1: LoadConstUndefined r12
                                         2: Mov
                                                              r14, r11
                                         3: JmpTrue
                                                              L4, r14
                                        Block 8 (PC 218-223)
                                                              r13, r10, r13
                                         0: IteratorNext
                                         1: Mov
                                                              r14, r10
                                         2: StrictEq
                                                              r14, r14, r6
                                                              r11, r14
                                          3: Mov
                                         4: JmpTrue
                                                               L4, r14
                                            Block 9 (PC 223-224)
                                                                   r12, r13
                                              0: Mov
                         Block 10 (PC 224-226)
                                                r9, r12
                           0: Mov
                           1: JmpTrue
                                               L5, r11
                           Block 11 (PC 226-227)
                                                 r10, 0
                             0: IteratorClose
                                                    Block 14 (PC 234-243)
                                                     0: TryGetById
                                                                          r11, r5, 2, "globalThis"
Block 12 (PC 227-233)
                                                     1: GetByIdShort
                                                                          r13, r11, 3, "console"
                      r13, r5, 1, "run"
 0: GetByIdShort
                                                                          r12, r13, 4, "error"
                                                     2: GetByIdShort
 1: Mov
                      r12, r7
                                                                          r14, r7
                                                     3: Mov
                      r11, r8
 2: Mov
                                                                          r11, r5, 5, "HermesInternal"
                                                     4: TryGetById
 3: Mov
                      r10, r9
                                                     5: GetByIdShort
                                                                          r11, r11, 6, "concat"
                      r0, r13, r6, r12, r11, r10
 4: Call4
                                                     6: Call3
                                                                          r11, r11, r3, r14, r1
 5: Jmp
                                                                          r10, r10, 7, "message"
                                                     7: GetByIdShort
                                                     8: Call3
                                                                          r0, r12, r13, r11, r10
                                                                Block 15 (PC 243-244)
                                                                  0: JmpLong
                                                                                       L7
                                                                                                           Function 0
```

```
Block 0 (PC 0-26)
                        r6, 1
  0: LoadParam
                        r9, 2
  1: LoadParam
                        r1, r9, 1, "test"
 2: GetByIdShort
 3: LoadParam
                        r0, 3
                        r5, r1, r9, r0
  4: Call2
  5: GetGlobalObject
                        r1
                        r0, r1, 2, "globalThis"
  6: TryGetById
                        r3, r0, 3, "console"
  7: GetByIdShort
                        r2, r3, 4, "log"
  8: GetByIdShort
                        r4, r6, 5, "padEnd"
  9: GetByIdShort
                        r0, 20
  10: LoadConstUInt8
                         r8, r4, r6, r0
  11: Call2
                         r4, r1, 6, "String"
  12: TryGetById
  13: LoadConstUndefined r0
  14: Call2
                         r5, r4, r0, r5
                         r4, r5, 7, "toUpperCase"
  15: GetByIdShort
                         r12, r4, r5
  16: Call1
                         r1, r1, 8, "HermesInternal"
  17: TryGetById
  18: GetByIdShort
                         r6, r1, 9, "concat"
                         r15,
  19: LoadConstString
                         r13, ":
 20: LoadConstString
                         r11,
  21: LoadConstString
  22: Mov
                         r14, r8
  23: Mov
                         r10, r9
                         r1, r6, 6
  24: Call
  25: Call2
                         r1, r2, r3, r1
             Block 1 (PC 26-27)
               0: Ret
                                      r0
                        EXIT
```

Function 1