

```
0: DeclareGlobalVar "run"
1: LoadConstUndefined r6
2: LoadConstUndefined r7
3: LoadConstUndefined r8
4: LoadConstUndefined r9
5: CreateEnvironment r0
6: CreateClosure r0, r0, Function<run>1
7: GetGlobalObject r5
8: PutById r5, r0, 1, "run"
9: LoadConstString r0, "use strict"
10: NewArrayWithBuffer r2, 3, 1, 0
11: CreateRegExp r1, "d+", "", 0
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
24: CreateRegExp r3, "[w-]+@[w-]+.[A-Za-z]{2,}$", "", 2
25: PutOwnByIndex r2, r3, 1
26: LoadConstString r3, "me@example.com"
27: PutOwnByIndex r2, r3, 2
28: PutOwnByIndex r1, r2, 2
29: NewArrayWithBuffer r2, 3, 1, 7
30: CreateRegExp r3, "^(?:https?:)?(//www)?[\\s/$.#{].*?$", "i", 3
31: PutOwnByIndex r2, r3, 1
32: LoadConstString r3, "https://example.org/path"
33: PutOwnByIndex r2, r3, 2
34: PutOwnByIndex r1, r2, 3
35: NewArrayWithBuffer r2, 3, 1, 9
36: CreateRegExp r3, "^(d{1,3}).{3}d{1,3}$", "", 4
37: PutOwnByIndex r2, r3, 1
38: LoadConstString r3, "192.168.0.42"
39: PutOwnByIndex r2, r3, 2
40: PutOwnByIndex r1, r2, 4
41: NewArrayWithBuffer r2, 3, 1, 11
42: CreateRegExp r3, "^[0-9a-f]{2:}{5}[0-9a-f]{2}$", "i", 5
43: PutOwnByIndex r2, r3, 1
44: LoadConstString r3, "aa:bb:cc:dd:ee:ff"
45: PutOwnByIndex r2, r3, 2
46: PutOwnByIndex r1, r2, 5
47: NewArrayWithBuffer r2, 3, 1, 13
48: CreateRegExp r3, "^(?:+71s*)?(?:{[-]s*)?(?:{s*d{3}s*){d{3}s*}?(?:[-]s*)?d{3}s*{(?:[-]s*)?d{4}s*", 6
49: PutOwnByIndex r2, r3, 1
50: LoadConstString r3, "(123)-456-7890"
51: PutOwnByIndex r2, r3, 2
52: PutOwnByIndex r1, r2, 6
53: NewArrayWithBuffer r2, 3, 1, 15
54: CreateRegExp r3, "[s+|s+$", "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, "(w1+", "", 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
66: CreateRegExp r3, "(a(b(c)))321", "", 9
67: PutOwnByIndex r2, r3, 1
68: LoadConstString r3, "abcba"
69: PutOwnByIndex r2, r3, 2
70: PutOwnByIndex r1, r2, 9
71: CreateRegExp r3, "^(?<year>d{4})-(?<month>d{2})-(?<day>d{2})$", "", 10
72: NewObjectWithBuffer r18, 3, 3, 0, 0
73: Mov r19, r3
74: CallBuiltin r2, 50, 3
75: NewArrayWithBuffer r2, 3, 1, 21
76: PutOwnByIndex r2, r3, 1
77: LoadConstString r3, "2023-04-01"
78: PutOwnByIndex r2, r3, 2
79: PutOwnByIndex r1, r2, 10
80: NewArrayWithBuffer r2, 3, 1, 23
81: CreateRegExp r3, "(?=<foo>w+", "", 11
82: PutOwnByIndex r2, r3, 1
83: LoadConstString r3, "foobabaz"
84: PutOwnByIndex r2, r3, 2
85: PutOwnByIndex r1, r2, 11
86: NewArrayWithBuffer r2, 3, 1, 25
87: CreateRegExp r3, "(?<d{d{3}}{?d})", "", 12
88: PutOwnByIndex r2, r3, 1
89: LoadConstString r3, "abc123def"
90: PutOwnByIndex r2, r3, 2
91: PutOwnByIndex r1, r2, 12
92: NewArrayWithBuffer r2, 3, 1, 27
93: CreateRegExp r3, "(?:{?1abc}).)*", "s", 13
94: PutOwnByIndex r2, r3, 1
95: LoadConstString r3, "xyzabc"
96: PutOwnByIndex r2, r3, 2
97: PutOwnByIndex r1, r2, 13
98: NewArrayWithBuffer r2, 3, 1, 29
99: CreateRegExp r3, "p[Emoji_Presentation}", "u", 14
100: PutOwnByIndex r2, r3, 1
101: LoadConstString r3, "👉"
102: PutOwnByIndex r2, r3, 2
103: PutOwnByIndex r1, r2, 14
104: NewArrayWithBuffer r2, 3, 1, 31
105: CreateRegExp r4, "u[lf600]", "u", 15
106: PutOwnByIndex r2, r4, 1
107: PutOwnByIndex r2, r3, 2
108: PutOwnByIndex r1, r2, 15
109: NewArrayWithBuffer r2, 3, 1, 33
110: CreateRegExp r3, "(?<=)s#{w|b", "", 16
111: PutOwnByIndex r2, r3, 1
112: LoadConstString r3, "tweet with #hashtag"
113: PutOwnByIndex r2, r3, 2
114: PutOwnByIndex r1, r2, 16
115: NewArrayWithBuffer r2, 3, 1, 35
116: CreateRegExp r3, "(d{1,3}(d{3})*).(d+)?", "", 17
117: PutOwnByIndex r2, r3, 1
118: LoadConstString r3, "1,234,567.89"
119: PutOwnByIndex r2, r3, 2
120: PutOwnByIndex r1, r2, 17
121: NewArrayWithBuffer r2, 3, 1, 37
122: CreateRegExp r3, "^(?!.*b{atd}og)b.{6,}$", "i", 18
123: PutOwnByIndex r2, r3, 1
124: LoadConstString r3, "ilovecoffee"
125: PutOwnByIndex r2, r3, 2
126: PutOwnByIndex r1, r2, 18
127: NewArrayWithBuffer r2, 3, 1, 39
128: CreateRegExp r3, "[^0,5}$", "s", 19
129: PutOwnByIndex r2, r3, 1
130: LoadConstString r3, "abc"
131: PutOwnByIndex r2, r3, 2
132: PutOwnByIndex r1, r2, 19
133: NewArrayWithBuffer r2, 3, 1, 41
134: CreateRegExp r3, "abc", "y", 20
135: PutOwnByIndex r2, r3, 1
136: LoadConstString r3, "abcabc"
137: PutOwnByIndex r2, r3, 2
138: PutOwnByIndex r1, r2, 20
139: NewArrayWithBuffer r2, 3, 1, 43
140: CreateRegExp r3, "[A-Z]+", "g", 21
141: PutOwnByIndex r2, r3, 1
142: LoadConstString r3, "ABCdefGHI"
143: PutOwnByIndex r2, r3, 2
144: PutOwnByIndex r1, r2, 21
145: NewArrayWithBuffer r2, 3, 1, 45
146: CreateRegExp r3, "a+", "gy", 22
147: PutOwnByIndex r2, r3, 1
148: LoadConstString r3, "aaaaa"
149: PutOwnByIndex r2, r3, 2
150: PutOwnByIndex r1, r2, 22
151: NewArrayWithBuffer r2, 3, 1, 47
152: CreateRegExp r3, "(?:[0-9a-f]{1,4:}){7}[0-9a-f]{1,4}", "i", 23
153: PutOwnByIndex r2, r3, 1
154: LoadConstString r3, "2001:0db8:85a3:0000:0000:8a2e:0370:7334"
155: PutOwnByIndex r2, r3, 2
156: PutOwnByIndex r1, r2, 23
157: NewArrayWithBuffer r2, 3, 1, 49
158: CreateRegExp r3, "^(?=<d{d}=?.*[A-Z])(?=.*[a-z]).{8,}$", "", 24
159: PutOwnByIndex r2, r3, 1
160: LoadConstString r3, "Abcdef1g"
161: PutOwnByIndex r2, r3, 2
162: PutOwnByIndex r1, r2, 24
163: NewArrayWithBuffer r2, 3, 1, 51
164: CreateRegExp r3, "[s]*imports+[s]+?from+[!"].*?[";]", "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*)*{d{1,3}?*s*(?:s{0|107.d+})?}$", "", 26
171: PutOwnByIndex r2, r3, 1
172: LoadConstString r3, "rgba(255, 0, 0, 0.5)"
173: PutOwnByIndex r2, r3, 2
174: PutOwnByIndex r1, r2, 26
175: NewArrayWithBuffer r2, 3, 1, 55
176: CreateRegExp r3, "foo/bar", "", 27
177: PutOwnByIndex r2, r3, 1
178: LoadConstString r3, "foo/bar"
179: PutOwnByIndex r2, r3, 2
180: PutOwnByIndex r1, r2, 27
181: NewArrayWithBuffer r2, 3, 1, 57
182: CreateRegExp r3, "[$_p_ID_Start]][$_u200Cu200Dp[ID_Continue]]*", "u", 28
183: PutOwnByIndex r2, r3, 1
184: LoadConstString r3, "NValue"
185: PutOwnByIndex r2, r3, 2
186: PutOwnByIndex r1, r2, 28
187: Mov r4, r1
188: IteratorBegin r2, r4
189: LoadConstString r3, ""
190: LoadConstString r1, " --> throw:"
```

```

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

```

100

