

$V \leftarrow V - 1$

$V \leftarrow V + 1$

$V \leftarrow V$

if $V \neq 0$ GOTO L

$A \leftarrow 0$

L₂ IF $A \neq 0$ GOTO L₁
 $B \leftarrow B + 1$

IF $B \neq 0$ GOTO E

L₁ : $A \leftarrow A - 1$

IF $A \neq 0$ GOTO L₂

IF $A = 0$ GOTO E

IF $A \neq 0$ GOTO L₁

$B \leftarrow B + 1$

IF $B \neq 0$ GOTO E

L₁ : $B \leftarrow B$

GOTO E

$B \leftarrow B + 1$

IF $B \neq 0$ GOTO E

$A \leftarrow B$

$A \leftarrow 0$

$C \leftarrow 0$

L₂ : IF $B = 0$ GOTO L₁

$A \leftarrow A + 1$

$C \leftarrow C + 1$

$B \leftarrow B - 1$

GOTO L₂

L₁ IF $C = 0$ GOTO E

$C \leftarrow C - 1$

$B \leftarrow B + 1$

GOTO L₁

$A \leftarrow B + C$

$A \leftarrow B$

$D \leftarrow C$

L₁ : IF $D = 0$ GOTO E

$D \leftarrow D - 1$

$A \leftarrow A + 1$

GOTO L₁

$A \leftarrow B \div C$

$A \leftarrow B$

$D \leftarrow C$

L₁ : IF $D = 0$ GOTO E

IF $A = 0$ GOTO E

$A \leftarrow A - 1$

$D \leftarrow D - 1$

GOTO L₁

$A \leftarrow \text{constant}$

$A \leftarrow 0$
 $A \leftarrow A + 1$ } \leftarrow

GOTO E

$A \leftarrow !B$

$A \leftarrow 0$

IF $B \neq 0$ GOTO L₁

$A \leftarrow A + 1$

L₁ : GOTO E

$A \leftarrow B < C$

$A \leftarrow C \div B$

IF $A = 0$ GOTO L₁

$A \leftarrow 1$

L₁ : GOTO E

$A \leftarrow B \leq C$

$D \leftarrow C < B$

$A \leftarrow !D$

$A \leftarrow B / C$

$A \leftarrow B + C$

$A \leftarrow !A$

$A \leftarrow !A$

$A \leftarrow B \& C$

$D \leftarrow !B$

$E \leftarrow !C$

$A \leftarrow D / E$

$A \leftarrow !A$

$A \leftarrow B \times C$

$A \leftarrow 0$

$L_1: \text{IF } B = 0 \text{ GOTO } E$

$B \leftarrow B - 1$

$A \leftarrow A + C$

$\text{GOTO } L_1$

$A \leftarrow \lfloor \frac{B}{C} \rfloor$

$A \leftarrow 0$

$L_1: \text{IF } B < C \text{ GOTO } E$

$B \leftarrow B \div C$

$A \leftarrow A + 1$

$\text{GOTO } L_1$

$A \leftarrow B \times C$

$A \leftarrow \lfloor B / C \rfloor$

$A \leftarrow A \times C$

$A \leftarrow B \div A$

$A \leftarrow B = C$

$D \leftarrow B < C$

$E \leftarrow C < B$

$A \leftarrow !D \& !E$

$V_0, V_1, \dots, V_k \Rightarrow \prod p_i^{v_i}$

$\langle a, b \rangle \rightarrow 2^a(2b+1)-1$

$\langle a, b \rangle = 13 \Rightarrow 2^a(2b+1) = 14$

$a = 1$

$2b+1 = 7$

$b = 3$

$A \leftarrow L(B)$

$B \leftarrow B + 1$

$\text{IF } B \times 2 \neq 0 \text{ GOTO } E$

$B \leftarrow B / 2$

$A \leftarrow A + 1$

$A \leftarrow R(B)$

$C \leftarrow L(B)$

$B \leftarrow B + 1$

$B \leftarrow B / 2^C$

$B \leftarrow B - 1$

$A \leftarrow B / 2$

$A \leftarrow B^C$

$A \leftarrow 1$

$L_1: \text{IF } A \times C = 0 \text{ GOTO } E$

$C \leftarrow C - 1$

$A \leftarrow A \times B$

$\text{GOTO } L_1$

$A \in \text{isPrime}(B)$

$A \leftarrow 0$

IF $B \leq 1$ GOTO E

$C \leftarrow 2$

L_2 : IF $C = B$ GOTO L_1 ,

IF $B \% C = 0$ GOTO E

$C \leftarrow C + 1$

GOTO L_2

L_1 : $A \leftarrow A + 1$

$A \in P_B$

$A \leftarrow 1$

L_1 : IF $B = 0$ GOTO E

$A \leftarrow A + 1$

$B \leftarrow B - \text{isPrime}(A)$

GOTO L_1

$$g, h \text{ recursive} \Rightarrow f(x_1, \dots, x_n) = \begin{cases} h(x_1, \dots, x_{n-1}) & | x_n = 0 \\ g(x_1, \dots, x_n, f(x_1, \dots, x_{n-1})) & | x_n \neq 0 \end{cases}$$

$$f(x, y) = x + y$$

$$f(\underline{x_0, x_1, \dots}, f(\dots))$$

$$f(x, 0) = p_{r1}(x)$$

$$f(x, y+1) = (\text{Suc} \circ p_{r2})(x, y, f(x, y))$$

$$f(x) = x - 1$$

$$f(x, y) = x \div y$$

$$f(0) = 0$$

$$f(x, 0) = x$$

$$f(x+1) = h(x, f(x))$$

$$f(x, y+1) = (\text{pred} \circ \pi_3)(x, y, f(x, y))$$

$$h, \pi_1$$

$$f(x, y) = x < y$$

$$f(x, y) = (y - x) \neq 0$$

$$f(x) = x \neq 0$$

$$f(0) = 0$$

$$f(x+1) = 1$$

$$f(x) = !x$$

$$f(0) = 1$$

$$f(x+1) = 0$$

x_1, \dots, x_k, \dots

ind. $\forall x_1, z_1, x_2, z_2, \dots$

z_1, \dots, z_k, \dots

y

$L_k: v \leftarrow v+1 \quad \langle k, \langle \text{tip}, \rangle \rangle$

L_1, \dots, L_k, \dots

$$f(x, a, b) = \begin{bmatrix} a & !x \\ b & !x \end{bmatrix}$$

$$f(x, a, b) = x \cdot a + (!x) \cdot b$$

$$f(x) = x!$$

$$f(0) = 1$$

$$f(x+1) = (x+1) \cdot f(x)$$

$$f(x)$$

$$f(0) = h$$

$$f(x+1) = g(x, f(x))$$

$$A \leftarrow h$$

$$A \leftarrow g(B, C)$$

$$A \leftarrow f(x)$$

$$A \leftarrow h$$

$$B \leftarrow 1$$

$$\text{If } B = x \text{ goto } E$$

$$A \leftarrow g(B, A)$$

$$B \leftarrow B+1$$

$$\text{goto } D$$

Stanza

banda

stone / budo / budo