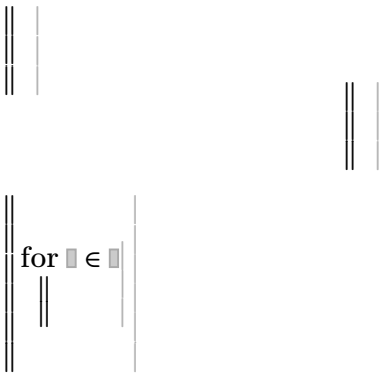


$A := 2$

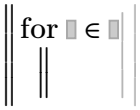
$A \leftarrow 3 = 3$
A

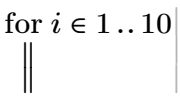
$A = 2$

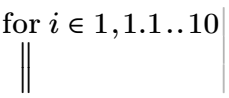
$A := 2$
$B :=$ $A \leftarrow 3$
A

$A = 2 \qquad B = 3$

$f(x, y, z) \leftarrow \sin(x) + \sin(y) + \sin(z) = 3.366$
$B \leftarrow f(1, 0, 1) + f(1, 1, 0) + f(\pi, \pi, \pi)$
B







for $i \in [1 \;\; 3 \;\; 4 \;\; 7 \;\; 11]$

while

$dH \leftarrow -10$
while $dH < 1$
$dH \leftarrow dH + 1$
$= 1$

$$A := \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$$

$B :=$ for $i \in 0..2$
for $j \in 0..2$
$A_{i,j} \leftarrow \left(A_{i,j}\right)^2$
A

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix} \qquad B = \begin{bmatrix} 1 & 4 & 9 \\ 16 & 25 & 36 \\ 49 & 64 & 81 \end{bmatrix}$$

if

$$C(N) := \begin{array}{|l} \text{if } N > 0 \\ \quad A \leftarrow 10 \\ \quad B \leftarrow 20 \\ \text{else} \\ \quad A \leftarrow 5 \\ \quad B \leftarrow 20 \\ \begin{bmatrix} A \\ B \end{bmatrix} \end{array}$$

$$C(1) = \begin{bmatrix} 10 \\ 20 \end{bmatrix} \qquad C(-3) = \begin{bmatrix} 5 \\ 20 \end{bmatrix}$$