

```

for  $\alpha \in \mathcal{A}$ 

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$$A := 2$$
$$\left| \begin{array}{c} A \leftarrow 3 \\ A \end{array} \right| = 3$$
 $A=2$
$$\begin{array}{l} A := 2 \\ B := \parallel A \leftarrow 3 \\ \quad A \end{array}$$
$$A=2 \qquad B=3$$
$$\left| \begin{array}{l} f(x, y, z) \leftarrow \sin(x) + \sin(y) + \sin(z) \\ B \leftarrow f(1, 0, 1) + f(1, 1, 0) + f(\pi, \pi, \pi) \\ B \end{array} \right| = 3.366$$

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|| for  $\gamma \in \gamma$  ||
||
||
||

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for i ∈ 1..10
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for i ∈ 1,1.1..10
  ||
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for  $i \in [1\ 3\ 4\ 7\ 11]$ 
  ||

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while  $\blacksquare$ 
  ||

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

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$= 1$

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

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 $B := \left\| \begin{array}{l} \text{for } i \in 0..2 \\ \left\| \begin{array}{l} \text{for } j \in 0..2 \\ \left\| A_{i,j} \leftarrow (A_{i,j})^2 \right\| \end{array} \right\| \end{array} \right\|$ 
 $A$ 

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

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if  $\blacksquare$ 
  ||

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

$$C(1) = \begin{bmatrix} 10 \\ 20 \end{bmatrix}$$

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