

$\mathbf{x}_1 \leftarrow 0$

$\vdots$

$y_2 \leftarrow \dots$

$\vdots$

$\mathbf{x}_2 \leftarrow \dots$

$\mathbf{x}_3 \leftarrow \mathbf{x}_2$

$\vdots$

$y_1 \leftarrow \dots$

$\vdots$

if  $\mathbf{x}_3 > 0$

$y_3 \leftarrow \phi(y_2, y_1)$

$\vdots$

$\leftarrow y_3$

$\vdots$

$\leftarrow y_1$