$$\begin{bmatrix} y_1 = 0 \\ x_1 = 0 \end{bmatrix}$$

$$\begin{bmatrix} y_2 = \phi(y_3, y_1) \\ y_3 = y_2 + 1 \end{bmatrix}$$

$$\begin{bmatrix} y_2 = \phi(y_3, y_1) \\ y_3 = y_2 + 1 \end{bmatrix}$$

$$\begin{bmatrix} y_2 = \phi(y_3, y_1, y_1) \\ y_3 = \phi(y_3, y_1, y_1) \\ x_3 = \phi(x_1, x_1, x_2) \end{bmatrix}$$