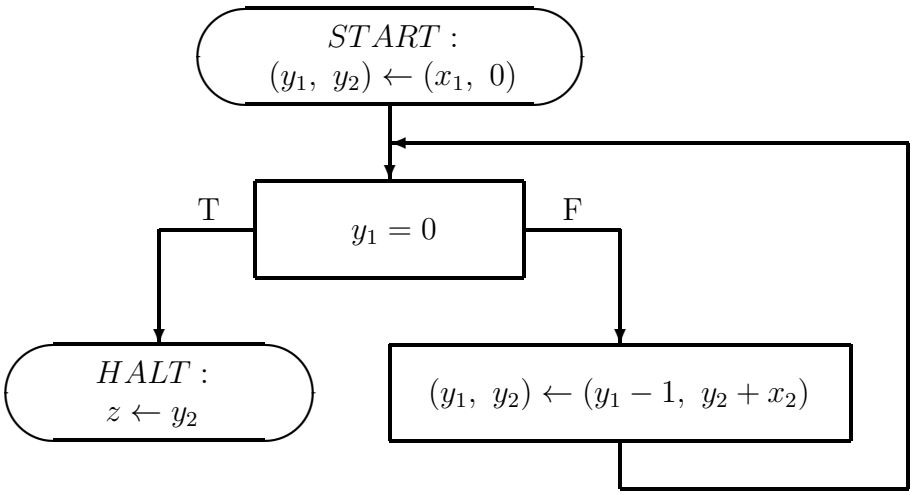
$START:$
$(y_1,\ y_2) \leftarrow (x_1,\ 0)$
T
$y_1 = 0$
F
$HALT:$
$z \leftarrow y_2$
$(y_1,\ y_2) \leftarrow (y_1 - 1,\ y_2 + x_2)$