Express the program

\[(x := 1. \ x := x + y) \parallel (y := 2. \ y := x + y)\]

without using any programming notations (no assignment, no dependent composition, no independent composition), where \(x\) and \(y\) are

(a) boundary variables and assignment takes time 0.
\[
\begin{align*}
x' &= y + 1 \land y' = x + 2 \land t' = t
\end{align*}
\]

(b) interactive variables and assignment takes time 1.
\[
\begin{align*}
x(t+1) &= 1 \land x(t+2) = 3 \land y(t+1) = 2 \land y(t+2) = 3 \land t' &= t + 2
\end{align*}
\]