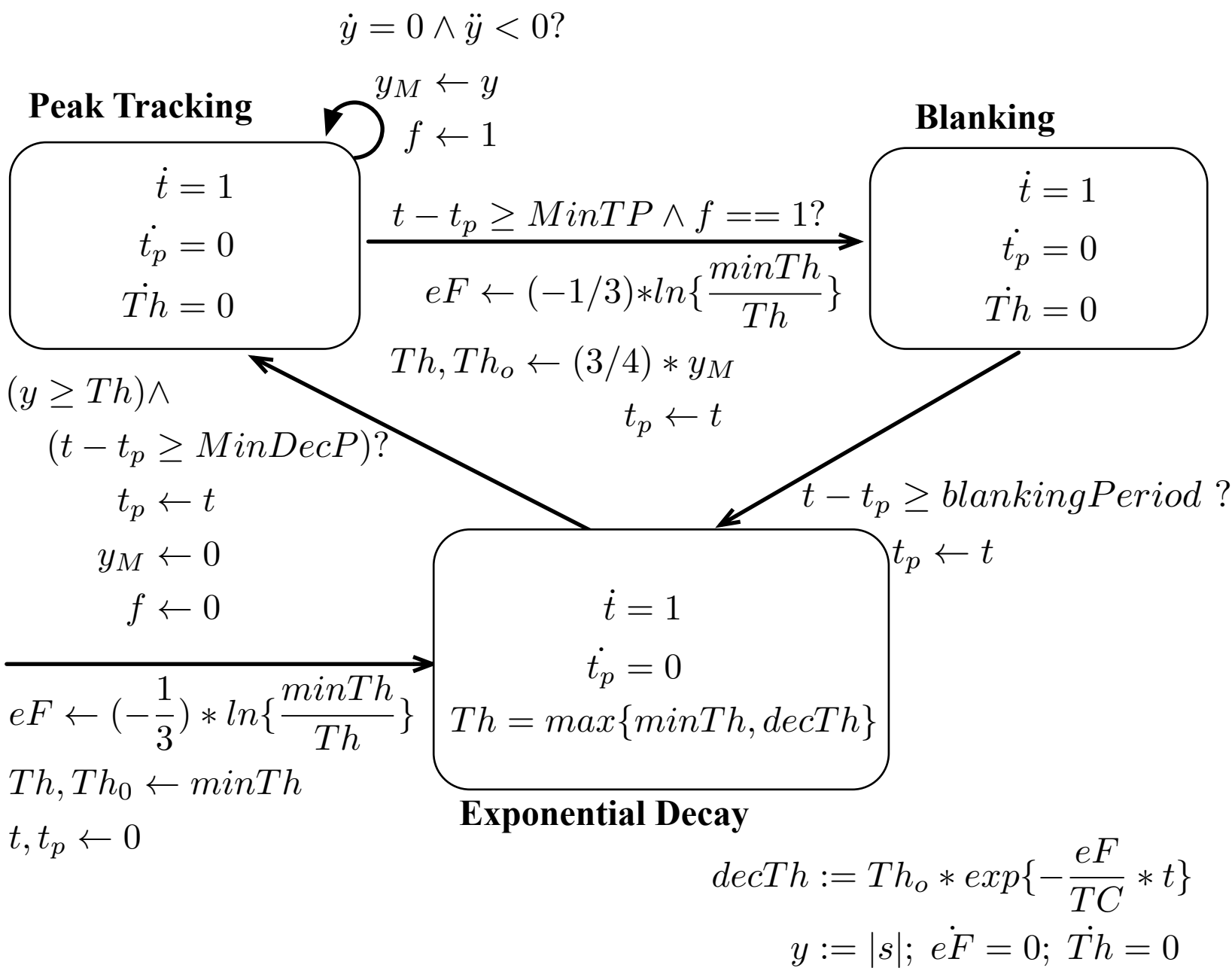
$\dot{y} = 0 \wedge \ddot{y} < 0?$
$y_M \leftarrow y$
$f \leftarrow 1$
Peak Tracking
$\dot{t} = 1$
$\dot{t_p} = 0$
$\dot{Th} = 0$
$t - t_p \geq MinTP \wedge f == 1?$
$eF \leftarrow (-1/3) * ln\{\frac{minTh}{Th}\}$
$Th, Th_o \leftarrow (3/4) * y_M$
$t_p \leftarrow t$
Blanking
$\dot{t} = 1$
$\dot{t_p} = 0$
$\dot{Th} = 0$
$(y \geq Th) \wedge$
$(t - t_p \geq MinDecP)?$
$t_p \leftarrow t$
$y_M \leftarrow 0$
$f \leftarrow 0$
$t - t_p \geq blankingPeriod\ ?$
$t_p \leftarrow t$
$eF \leftarrow (-\frac{1}{3}) * ln\{\frac{minTh}{Th}\}$
$Th, Th_0 \leftarrow minTh$
$t, t_p \leftarrow 0$
$\dot{t} = 1$
$\dot{t_p} = 0$
$Th = max\{minTh, decTh\}$
Exponential Decay
$decTh := Th_o * exp\{-\frac{eF}{TC} * t\}$
$y := |s|;\ \dot{eF} = 0;\ \dot{Th} = 0$