TimeIncrement()

Assuming arguments $\{x, dx, tprev, tcur, dt\} \in \mathbb{R}$,
calculate x'—the number to which x should be updated given time changes:

$\Delta t \coloneqq tcur - tprev$

$\frac{dx}{dt} = \frac{\Delta x}{\Delta t} \Rightarrow \Delta x = \Delta t \frac{dx}{dt}$

$x' = x + \Delta x \ \textit{ensuring} \ x' \in [0, 1]$

EnviroUnityToNN()

Assuming $a \coloneqq squashfactor \in [0, 1]$:

$d_{\text{NN}} \coloneqq 1 - exp(-ad_{\text{unity}})$