

Idle

$$\dot{\mathbf{X}} = 0$$

Duration?

Accumulate

$$\dot{t} = 1$$

$$\dot{\mathbf{L}}_2 = \dot{\mathbf{L}}_1 = \dot{k} =$$

$$\sigma_2 = 0$$

VEvent?

$$t \leftarrow 0$$

$$\mathbf{L}_2 \leftarrow \mathbf{L}_2 + t^2$$

$$\mathbf{L}_1 \leftarrow \mathbf{L}_1 + t$$

$$k \leftarrow k + 1$$

DurationEnds?

$$\sigma_2 \leftarrow k^{-1} \left[L_2 - 2 \left(\frac{\mathbf{L}_1}{k} \right) \mathbf{L}_1 + k \left(\frac{\mathbf{L}_1}{k} \right)^2 \right]$$

Finalize

$$\dot{\mathbf{X}} = 0$$