## Classical network Input vector $\vec{x}_1$ $\vec{x}_2$ $\vec{x}_3$ $\vec{x}_4$ $\vec{x}_5$ $\vec{y}_2$ $\vec{y}_1$ $\vec{y}_3$ $\vec{y}_4$ $\vec{y}_5$ Output vector t = 2t = 3t = 5Discrete time-step t t = 1t = 4Spiking network $k_{4,1}^{\text{in}} = 2$ Spike sample indices (examples) i = 1i = 2i = 3Spikes per neuron i = 4with index i = 1**Jutput** i = 3= 4

Continuous time t