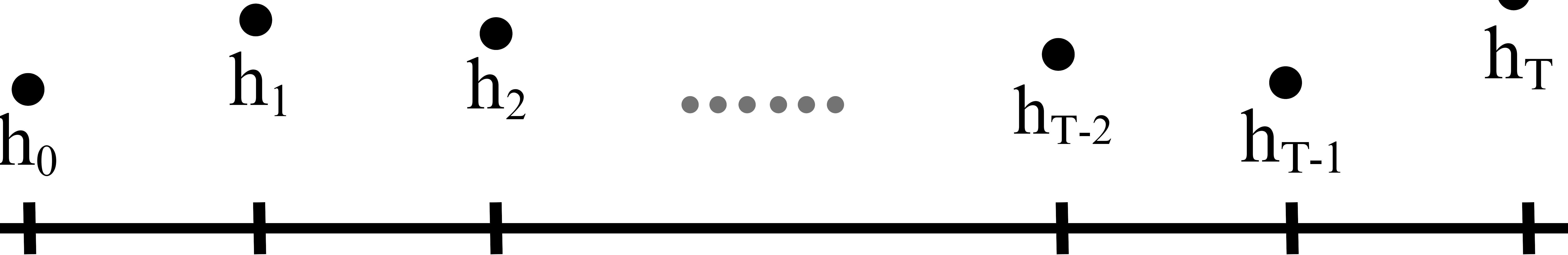


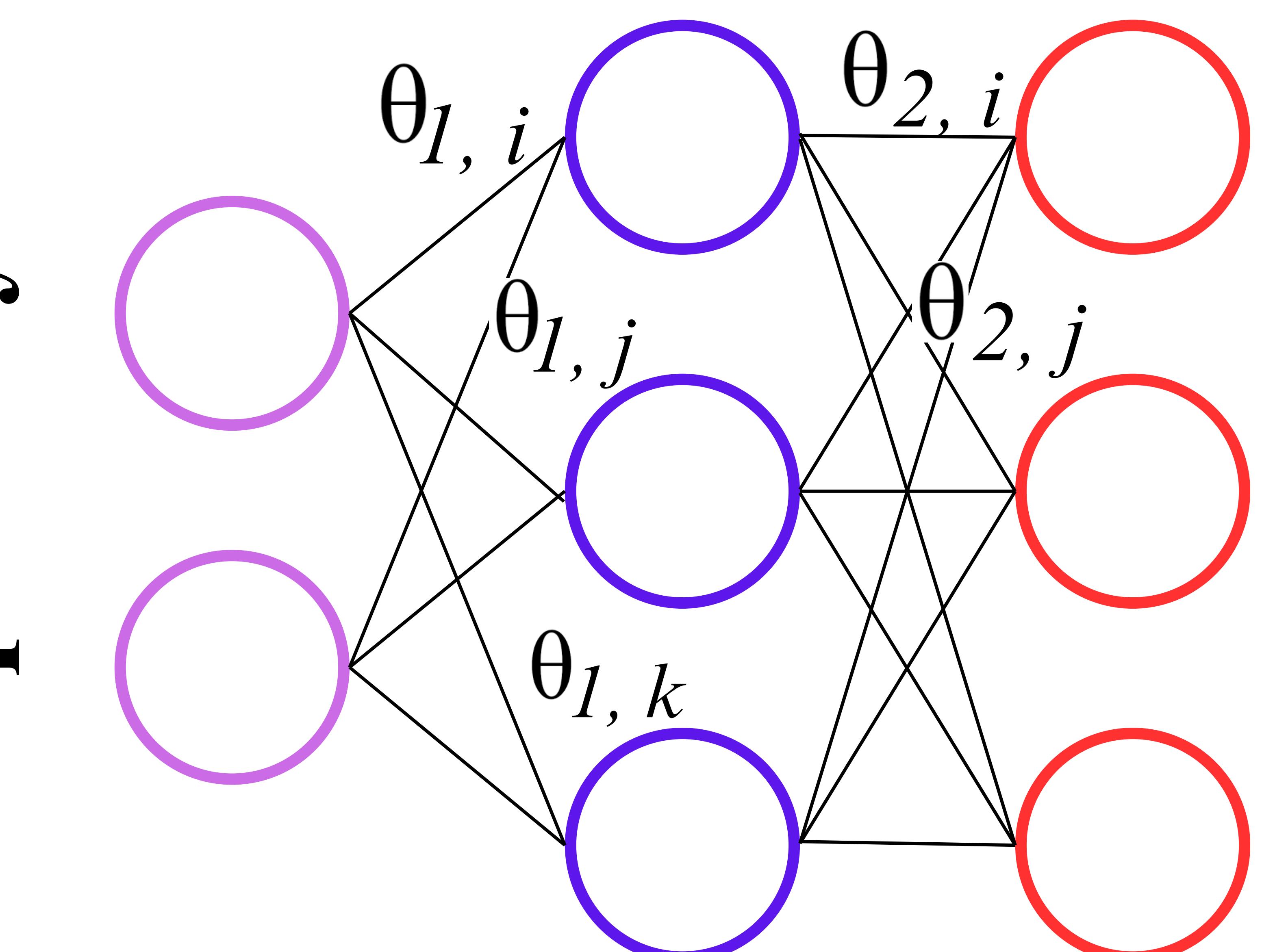
Input State

$$\mathbf{h}_{t+1} - \mathbf{h}_t = f(\mathbf{h}_t, \theta_t)$$



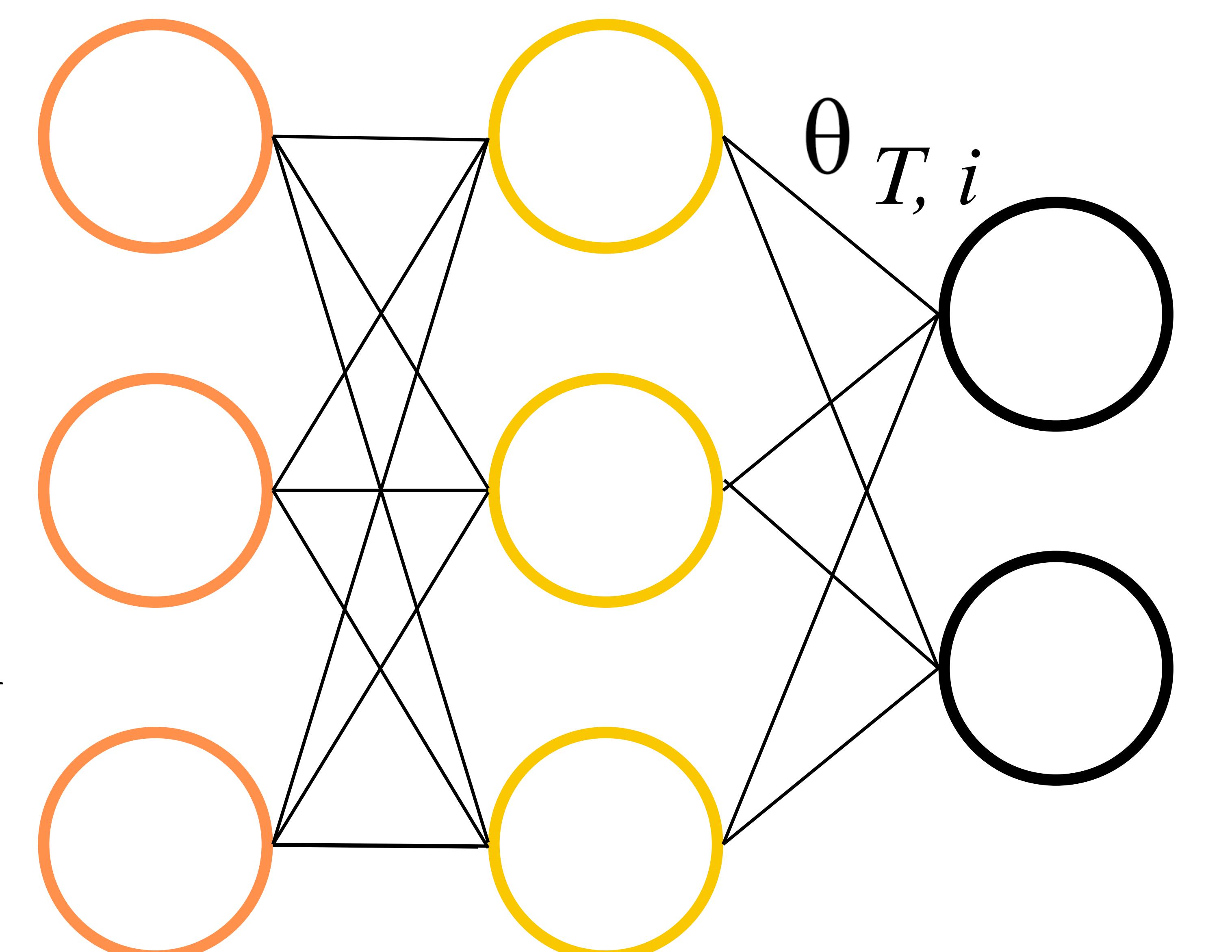
Input Layer

$$f(\mathbf{h}_0, \theta_0) \quad f(\mathbf{h}_1, \theta_1) \quad f(\mathbf{h}_2, \theta_2)$$



(additional hidden
layers ommitted)

$$f(\mathbf{h}_{T-2}, \theta_{T-2}) \quad f(\mathbf{h}_{T-1}, \theta_{T-1})$$



0

1

2

.....

T - 2

T - 1

T

Depth (t)

Output Layer

Output State