$$\boldsymbol{h}_t = f^h(W^{hx}\boldsymbol{x}_t + W^{hh}\boldsymbol{h}_{t-1} + \boldsymbol{b}^h)$$
$$\boldsymbol{y}_t = f^y(W^{yh}\boldsymbol{h}_t + \boldsymbol{b}^y)$$