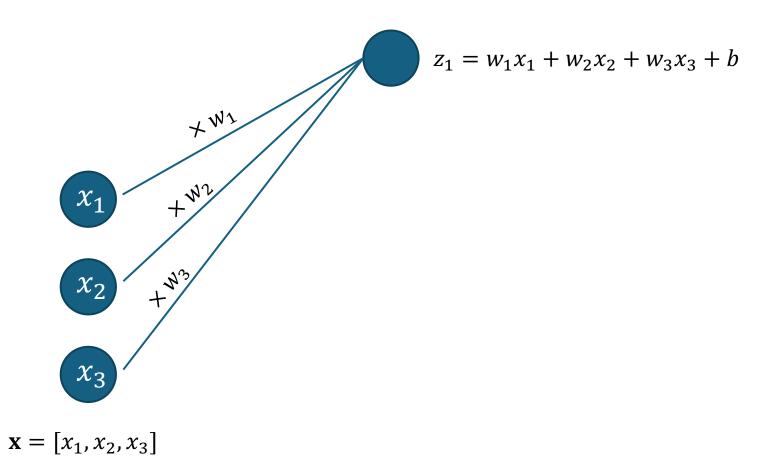
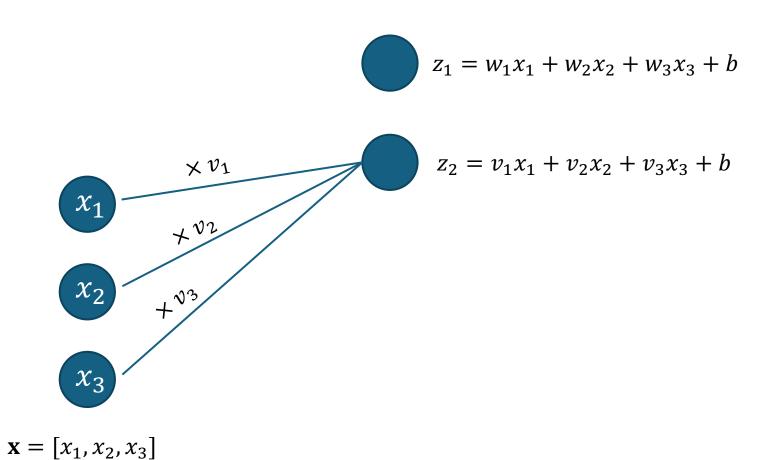


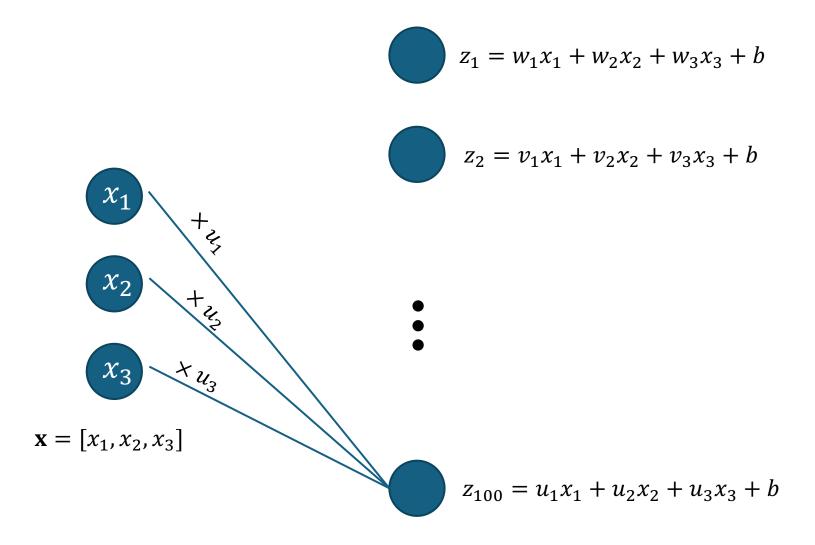


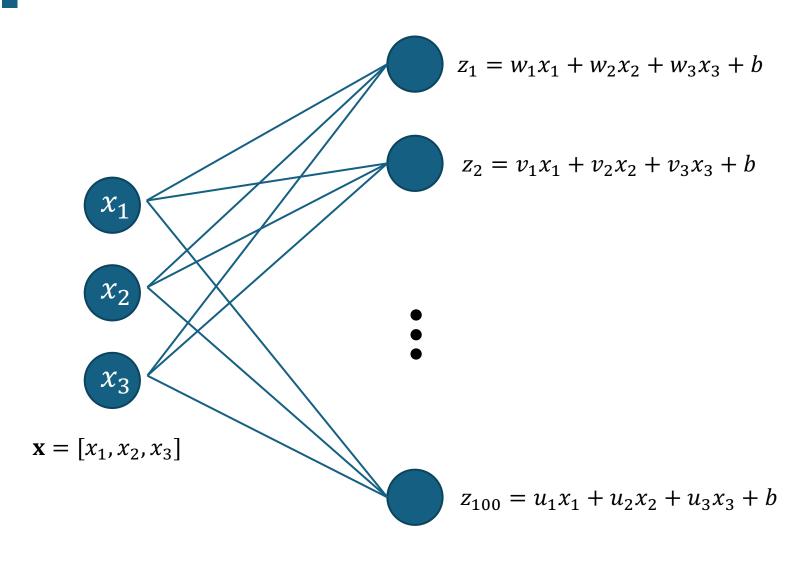
 $(x_3)$ 

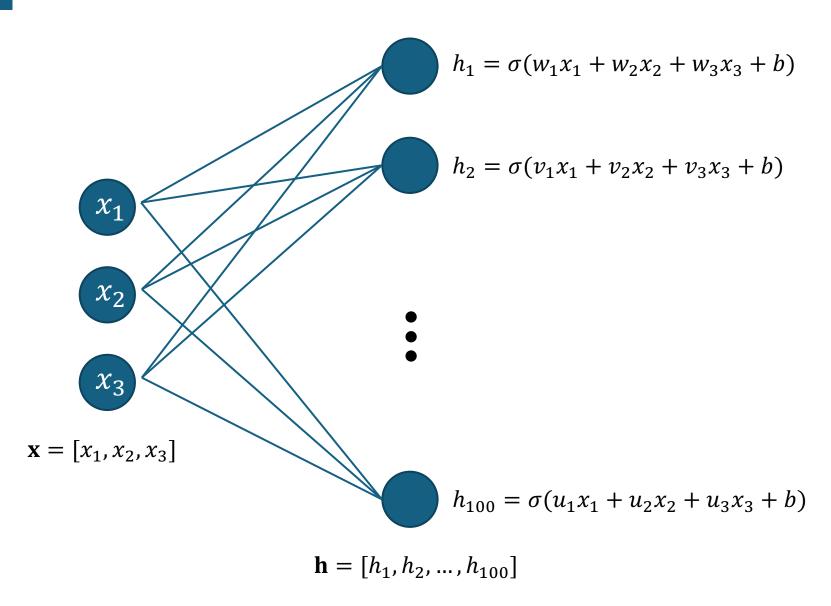
 $\mathbf{x} = [x_1, x_2, x_3]$ 

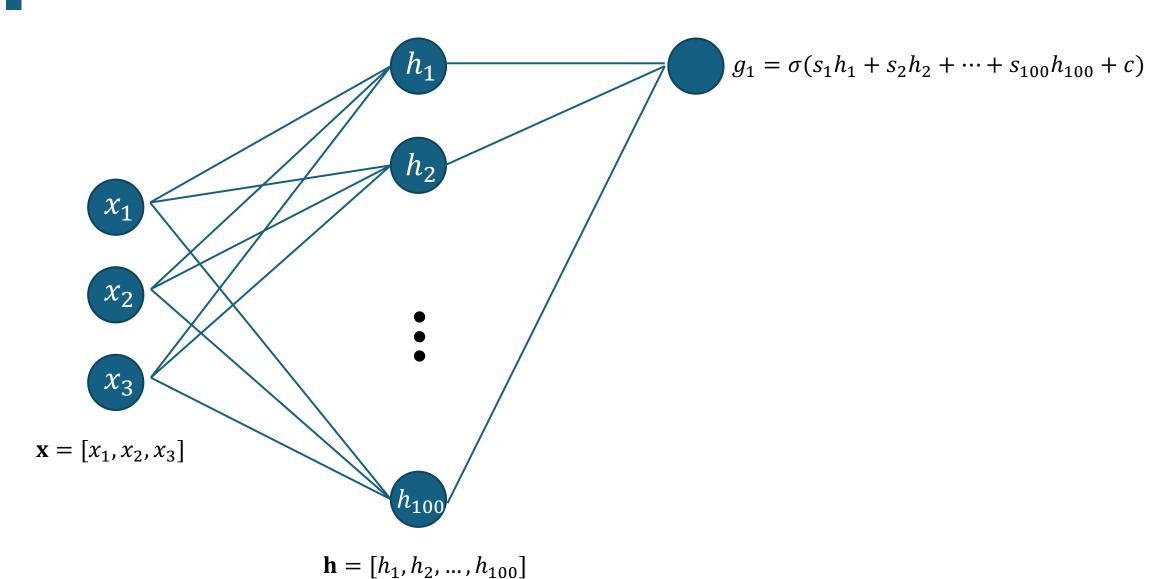


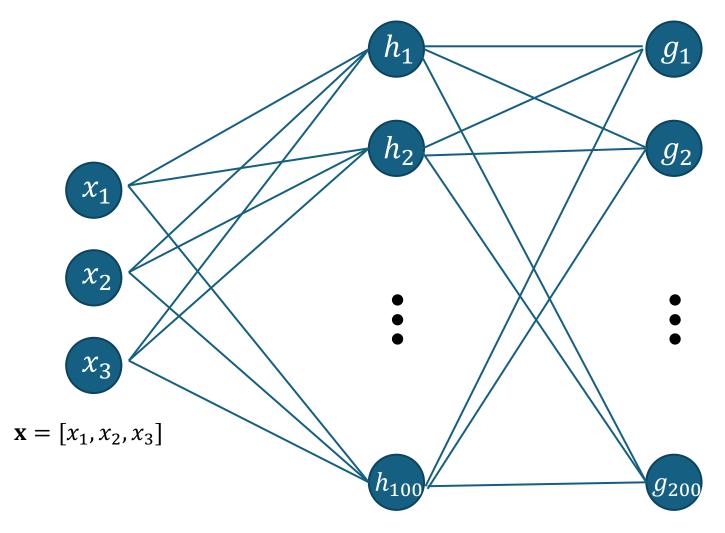




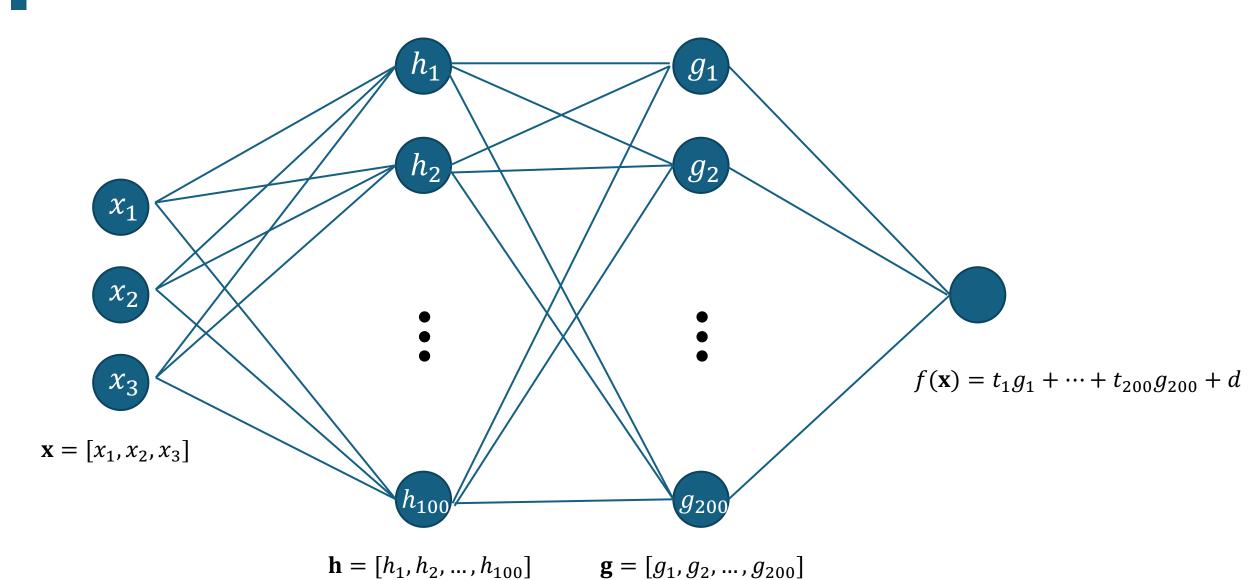


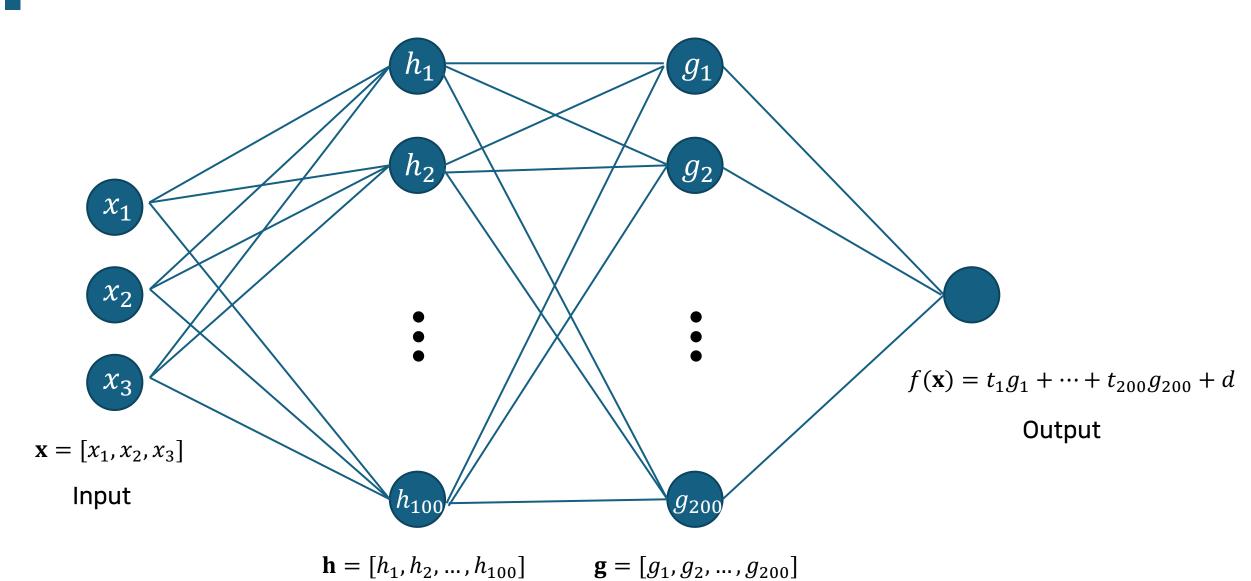






$$\mathbf{h} = [h_1, h_2, ..., h_{100}]$$
  $\mathbf{g} = [g_1, g_2, ..., g_{100}]$ 





hidden state

hidden state