

$$\begin{array}{ccccccccc}
 x^{(1)} & \xrightarrow{H^{(1)}} & y^{(2)} & \xrightarrow{\sigma} & x^{(2)} & \xrightarrow{H^{(2)}} & y^{(3)} & \xrightarrow{\sigma} & x^{(3)} \\
 \begin{array}{c} \uparrow \\ W \begin{array}{c} \vdots \\ \vdots \end{array} W^{-1} \\ \downarrow \end{array} & & \begin{array}{c} \uparrow \\ W \begin{array}{c} \vdots \\ \vdots \end{array} W^{-1} \\ \downarrow \end{array} & & \begin{array}{c} \uparrow \\ W \begin{array}{c} \vdots \\ \vdots \end{array} W^{-1} \\ \downarrow \end{array} & & \begin{array}{c} \uparrow \\ W \begin{array}{c} \vdots \\ \vdots \end{array} W^{-1} \\ \downarrow \end{array} & & \begin{array}{c} \uparrow \\ W \begin{array}{c} \vdots \\ \vdots \end{array} W^{-1} \\ \downarrow \end{array} \\
 u^{(1)} & & v^{(2)} & & u^{(2)} & & v^{(3)} & & u^{(3)}
 \end{array}$$