$$X \xrightarrow{\qquad W_1 \qquad } H_1 \xrightarrow{\qquad \sigma \qquad} O_1 \xrightarrow{\qquad W_2 \qquad} H_2 \xrightarrow{\qquad \sigma \qquad} O_2 \xrightarrow{\qquad W_3 \qquad} \hat{y} \xrightarrow{\qquad } MSE$$