

$$X \cdot w_1 + b_1 = \mu_1'$$

$$\mu_1' \xrightarrow{\tanh} \mu_1$$

$$\mu_1 \cdot w_2 + b_2 = \mu_2'$$

$$\mu_2' \xrightarrow{\tanh} \mu_2$$

$$Y \sim \text{Normal}(\mu_2, \sigma)$$