## (3 Layers)

A = Relu 
$$(x \cdot w_1)$$
 =  $\begin{bmatrix} & & \\ & +b \end{bmatrix}$   $\times$   $\begin{bmatrix} & & \\ & & \\ & & \end{bmatrix}$   $\times$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \end{bmatrix}$   $=$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \end{bmatrix}$   $\begin{bmatrix} & & \\ &$ 

$$\frac{\partial U}{\partial W} = \frac{\partial U}{\partial W} = \frac{\partial U}{\partial H} =$$

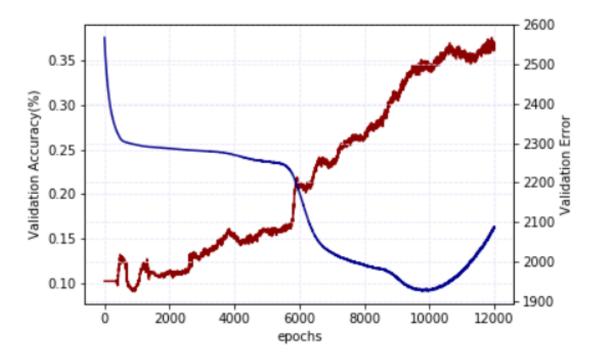
$$\frac{\partial L}{\partial b_{1}} = \frac{\partial H}{\partial b_{1}} \cdot \frac{\partial L}{\partial H} = 1 \cdot \frac{\partial L}{\partial H} = f'(H) \otimes \frac{\partial L}{\partial A} = f'(H) \otimes \left[ \text{Relu'(0)} \otimes \left[ P - T \right] \cdot W_{3} \right] \cdot W_{2} \right]$$

$$\frac{\partial L}{\partial A} = f'(H) \otimes \left[ \text{Relu'(0)} \otimes \left[ P - T \right] \cdot W_{3} \right] \cdot W_{2} \right]$$

$$\frac{\partial L}{\partial A} = f'(H) \otimes \left[ \text{Relu'(0)} \otimes \left[ P - T \right] \cdot W_{3} \right] \cdot W_{2} \right]$$

$$\frac{\partial L}{\partial A} = f'(H) \otimes \left[ \text{Relu'(0)} \otimes \left[ P - T \right] \cdot W_{3} \right] \cdot W_{2} \right]$$

## Ö 3 Layers 2번째 변과 12세트



나의 최고 validation accuracy: 0.376