Forward
$$y_1 = |x_2 + -|x_1| = |y_2 = |x_0 + -|x_1| = |y_2 = |x_0 + -|x_1| = |y_2 = |y_1 + |y_2 + |y_2| = |y_1 + |y_2| = |y$$

$$L = (2-t)^2 = 25$$

$$\frac{W_{12}}{W_{12}} = \frac{W_{21}}{W_{12}} = \frac{W_{31}}{W_{121}} = \frac{W_{31}}$$

$$\frac{\partial L}{\partial z} = 2(2-t) = -10$$

$$\frac{\partial L}{\partial W_{21}} = \frac{\partial L}{\partial L} \cdot \frac{\partial R}{\partial R} = -\frac{2}{2}$$

$$\frac{\partial L}{\partial W_{21}} = \frac{\partial L}{\partial L} \cdot \frac{\partial R}{\partial R} = 10$$

$$\frac{\partial L}{\partial W_{21}} = \frac{\partial L}{\partial L} \cdot \frac{\partial R}{\partial R} = 10$$

$$\frac{\partial L}{\partial W_{21}} = \frac{\partial L}{\partial L} \cdot \frac{\partial R}{\partial R} = 10$$

$$\frac{\partial L}{\partial N_{211}} = \frac{\partial L}{\partial z_{1}} \cdot \frac{\partial z_{1}}{\partial W_{11}} = \frac{\partial L}{\partial W_{12}} \cdot \frac{\partial z_{1}}{\partial W_{21}} = \frac{\partial L}{\partial W_{21}} = \frac{\partial$$

 $\frac{\partial L}{\partial x_{1}} = \frac{\partial L}{\partial y_{1}} \cdot \frac{\partial Y_{1}}{\partial x_{1}} + \frac{\partial L}{\partial y_{1}} \cdot \frac{\partial Y_{1}}{\partial x_{1}}$ $= -20 \cdot W_{111} + -20 \cdot W_{112} = 40$ $\frac{\partial L}{\partial x_{2}} = \frac{\partial L}{\partial y_{2}} \cdot \frac{\partial Y_{2}}{\partial x_{2}} + \frac{\partial L}{\partial y_{2}} \cdot \frac{\partial Y_{2}}{\partial x_{2}}$ $= 10 \cdot W_{121} + 10 \cdot W_{122} = 10$