$$\frac{\partial L}{\partial w} = \frac{\partial L}{\partial y} * \frac{\partial y}{\partial \varphi} * \frac{\partial \varphi}{\partial w}$$

$$x_{0} \qquad w_{0} \qquad \frac{\partial L}{\partial \varphi} = \frac{\partial L}{\partial y} * \frac{\partial y}{\partial \varphi}$$

$$x_{1} \qquad w_{2} \qquad \sum_{v_{2}} \qquad \frac{\partial L}{\partial \psi} = \frac{\partial L}{\partial y} * \frac{\partial y}{\partial \varphi}$$

$$\vdots \qquad w_{n} \qquad \frac{\partial L}{\partial w} = \frac{\partial L}{\partial y} * \frac{\partial y}{\partial \varphi} * \frac{\partial \varphi}{\partial w}$$

$$\frac{\partial L}{\partial w} = \frac{\partial L}{\partial y} * \frac{\partial y}{\partial \varphi} * \frac{\partial \varphi}{\partial x}$$