Call y += exp(x)

x_1 y_1

$x_2 = x_1$ $y_2 = y_1 + e^{x_1}$

Uncall y -= exp(x)

$x_1 = x_2$ $\dfrac{\partial L}{\partial x_1}$ $y_1 = y_2 - e^{x_2}$ $\dfrac{\partial L}{\partial y_1}$

x_2 $\dfrac{\partial L}{\partial x_2}$ y_2 $\dfrac{\partial L}{\partial y_2}$
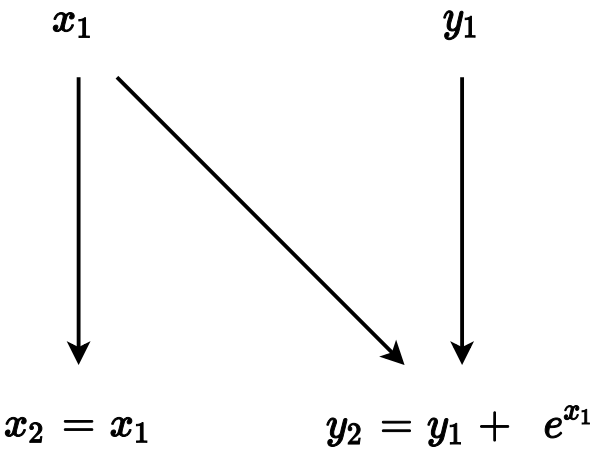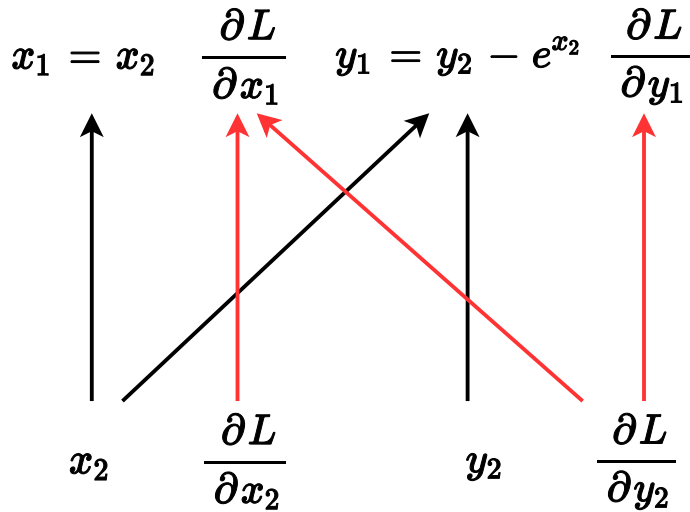
$$\frac{\partial L}{\partial y_1} = \frac{\partial L}{\partial y_2}$$

$$\frac{\partial L}{\partial x_1} = \frac{\partial L}{\partial x_2} + \frac{\partial L}{\partial y_2} e^{x_1}$$