Call x += exp(y)
$$x_1 \qquad y_1 \qquad x_1 \qquad \frac{\partial L}{\partial x_1} \qquad y_1 \qquad \frac{\partial L}{\partial y_1} \qquad \frac{\partial L}{\partial y_1} = \frac{\partial L}{\partial y_2}$$

$$x_2 = x_1 \qquad y_2 = y_1 + e^{x_1} \qquad x_2 \qquad \frac{\partial L}{\partial x_2} \qquad y_2 \qquad \frac{\partial L}{\partial y_2}$$