$$
\begin{array}{|c|c|c|c|}
\hline
x_{11} & x_{12} & x_{13} & x_{14} \\
\hline
x_{21} & x_{22} & x_{23} & x_{24} \\
\hline
x_{31} & x_{32} & x_{33} & x_{34} \\
\hline
x_{41} & x_{42} & x_{43} & x_{44} \\
\hline
\end{array}
\times
\begin{array}{|c|c|}
\hline
\dfrac{\partial L}{\partial a} & \dfrac{\partial L}{\partial b} \\
\hline
\dfrac{\partial L}{\partial c} & \dfrac{\partial L}{\partial d} \\
\hline
\end{array}
=
\begin{array}{|c|c|c|}
\hline
\dfrac{\partial L}{\partial w_{11}} & \dfrac{\partial L}{\partial w_{12}} & \dfrac{\partial L}{\partial w_{13}} \\
\hline
\dfrac{\partial L}{\partial w_{21}} & \dfrac{\partial L}{\partial w_{22}} & \dfrac{\partial L}{\partial w_{23}} \\
\hline
\dfrac{\partial L}{\partial w_{31}} & \dfrac{\partial L}{\partial w_{32}} & \dfrac{\partial L}{\partial w_{33}} \\
\hline
\end{array}
$$