$$\begin{array}{c|c} B_1 & B_2 \\ \hline x_1 & b_1 & b_2 \\ \hline \sigma_1 & \sigma_2 \end{array} \cdots \begin{array}{c} B_{\mathcal{L}} \\ \hline b_{\mathcal{L}-1} & 1 \\ \hline \sigma_{\mathcal{L}} \end{array}$$