

$$\left. \begin{array}{c} \frac{1}{2} \\ \frac{2}{2} \end{array} \right| \begin{array}{c} V_1 \\ V_2 \end{array} = \left[\begin{array}{c} \frac{5}{2} \\ \frac{2}{2} \end{array} \right| \begin{array}{c|c|c|c|c} 1 & 1 & 0 & 0 & -1 \\ \hline 0 & 0 & 1 & 1 & 1 \end{array} \frac{1}{\Delta'} \left. \begin{array}{c} \frac{5}{5} \\ \frac{5}{5} \end{array} \right| \begin{array}{c|c|c|c|c} Z_2 Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & -Z_{12} Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & 0 & 0 & 0 \\ \hline -Z_{21} Z_5 (Z_3 Z_4 - Z_{34} Z_{43}) & Z_1 Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & 0 & 0 & 0 \\ \hline 0 & 0 & Z_4 Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & -Z_{34} Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & 0 \\ \hline 0 & 0 & -Z_{43} Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & Z_3 Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & 0 \\ \hline 0 & 0 & 0 & 0 & (Z_1 Z_2 - Z_{12} Z_{21}) (Z_3 Z_4 - Z_{34} Z_{43}) \end{array} \left. \begin{array}{c} \frac{2}{5} \\ \frac{5}{5} \end{array} \right| \begin{array}{c|c} 1 & 0 \\ \hline 1 & 0 \\ \hline 0 & 1 \\ \hline 0 & 1 \\ \hline -1 & 1 \end{array} \right] -1$$

$$\left\{ \begin{array}{c} \frac{1}{2} \\ \frac{2}{2} \end{array} \right| \begin{array}{c} I \\ 0 \end{array} - \left[\begin{array}{c} \frac{5}{2} \\ \frac{2}{2} \end{array} \right| \begin{array}{c|c|c|c|c} 1 & 1 & 0 & 0 & -1 \\ \hline 0 & 0 & 1 & 1 & 1 \end{array} \frac{1}{\Delta'} \left. \begin{array}{c} \frac{5}{5} \\ \frac{5}{5} \end{array} \right| \begin{array}{c|c|c|c|c} Z_2 Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & -Z_{12} Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & 0 & 0 & 0 \\ \hline -Z_{21} Z_5 (Z_3 Z_4 - Z_{34} Z_{43}) & Z_1 Z_5 (Z_3 Z_4 - Z_{43} Z_{34}) & 0 & 0 & 0 \\ \hline 0 & 0 & Z_4 Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & -Z_{34} Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & 0 \\ \hline 0 & 0 & -Z_{43} Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & Z_3 Z_5 (Z_1 Z_2 - Z_{12} Z_{21}) & 0 \\ \hline 0 & 0 & 0 & 0 & (Z_1 Z_2 - Z_{12} Z_{21}) (Z_3 Z_4 - Z_{34} Z_{43}) \end{array} \left. \begin{array}{c} \frac{1}{5} \\ \frac{5}{5} \end{array} \right| \begin{array}{c} E_1 \\ 0 \\ 0 \\ -E_4 \\ -E_5 \end{array} \right\}$$