

$$[k^{(11)}]^{-1} = \frac{2}{EA}$$

$$\left[\begin{array}{cc|cc|cc} 2 & 2 & 1 & & & \\ \hline 2 & \frac{2}{3-2\sqrt{2}} & 1 & 2+2\sqrt{2} & -2 & 2+2\sqrt{2} \\ \hline 1 & 1 & 1 & & & \\ \hline & 2+2\sqrt{2} & & 2+2\sqrt{2} & -1 & 1+2\sqrt{2} \\ \hline & -2 & & -1 & 1 & -1 \\ \hline & 2+2\sqrt{2} & & 1+2\sqrt{2} & -1 & 1+2\sqrt{2} \end{array} \right]$$

with $[k^{(11)}]^{-1} \cdot [k^{(11)}] = [I]$