

$$U(1+1+2,\varepsilon_3):=\begin{pmatrix} 0 & a_{12} & a_{13} & -a_{13}0 \\ 0 & \textcolor{blue}{a_{23}} & -a_{23}a_{31} & \textcolor{blue}{a_{32}} \\ \textcolor{blue}{a_{33}} & -a_{33}a_{31} & a_{32} & \textcolor{blue}{a_{33}} \\ -\textcolor{blue}{a_{33}} & & & \end{pmatrix}.$$