$$K_{154}^{2} = \begin{bmatrix} \frac{-15\,U}{2\,t} & \frac{\frac{-\mathbf{i}}{4}\left(-\mathbf{i}+\sqrt{3}\right)\left(8\,t^{2}+U^{2}\right)}{t^{2}} \\ \frac{\frac{\mathbf{i}}{4}\left(\mathbf{i}+\sqrt{3}\right)\left(8\,t^{2}+U^{2}\right)}{t^{2}} & \frac{-15\,U}{2\,t} \end{bmatrix}$$