$$K^2_{149} = \begin{bmatrix} \frac{-6\,U}{t} & \frac{3\left(1-\mathbf{i}\sqrt{3}\right)U}{2\sqrt{2}\,t} & \frac{\mathbf{i}\sqrt{\frac{3}{2}}\,U^2}{t^2} \\ \frac{3\left(1+\mathbf{i}\sqrt{3}\right)U}{2\sqrt{2}\,t} & \frac{-9\,U}{2\,t} & \frac{\left(3-\mathbf{i}\sqrt{3}\right)U^2}{4\,t^2} \\ \frac{-\mathbf{i}\sqrt{\frac{3}{2}}\,U^2}{t^2} & \frac{\left(3+\mathbf{i}\sqrt{3}\right)U^2}{4\,t^2} & \frac{-15\,U}{2\,t} \end{bmatrix}$$