$$K_{49}^{1} = \begin{bmatrix} 0 & \frac{3+\mathbf{i}\sqrt{3}}{\sqrt{2}} & -\left(\frac{\sqrt{2}\,U}{t}\right) \\ \frac{\mathbf{i}\left(3\,\mathbf{i}+\sqrt{3}\right)}{\sqrt{2}} & \mathbf{i}\sqrt{3} & \frac{U+\mathbf{i}\sqrt{3}\,U}{2\,t} \\ \frac{\sqrt{2}\,U}{t} & \frac{\frac{\mathbf{i}}{2}\left(\mathbf{i}+\sqrt{3}\right)U}{t} & -\mathbf{i}\sqrt{3} \end{bmatrix}$$