$$K_{48}^{1} = \left[\begin{array}{ccc} \mathbf{i}\sqrt{3} & \frac{-3-\mathbf{i}\sqrt{3}}{\sqrt{2}} & \frac{U}{t} \\ \frac{3-\mathbf{i}\sqrt{3}}{\sqrt{2}} & 0 & \frac{\left(1+\mathbf{i}\sqrt{3}\right)U}{\sqrt{2}\,t} \\ -\left(\frac{U}{t}\right) & \frac{\mathbf{i}\left(\mathbf{i}+\sqrt{3}\right)U}{\sqrt{2}\,t} & -\mathbf{i}\sqrt{3} \end{array}\right]$$