$$K^{1}_{167} = \begin{bmatrix} 0 & \frac{\left(1+\mathbf{i}\sqrt{3}\right)U}{\sqrt{2}\,t} & \frac{-3-\mathbf{i}\sqrt{3}}{\sqrt{2}} \\ \frac{\mathbf{i}\left(\mathbf{i}+\sqrt{3}\right)U}{\sqrt{2}\,t} & -\mathbf{i}\sqrt{3} & \frac{U+\mathbf{i}\sqrt{3}\,U}{2\,t} \\ \frac{3-\mathbf{i}\sqrt{3}}{\sqrt{2}} & \frac{\frac{\mathbf{i}}{2}\left(\mathbf{i}+\sqrt{3}\right)U}{t} & \mathbf{i}\sqrt{3} \end{bmatrix}$$