$$K_{76}^{2} = \begin{bmatrix} \frac{-2\,U}{t} & -4 & \frac{U}{\sqrt{2}\,t} & 0 \\ -4 & \frac{-6\,U}{t} & \frac{U^2}{\sqrt{2}\,t^2} & \frac{U}{\sqrt{2}\,t} \\ \frac{U}{\sqrt{2}\,t} & \frac{U^2}{\sqrt{2}\,t^2} & \frac{-11\,U}{2\,t} & -4 \\ 0 & \frac{U}{\sqrt{2}\,t} & -4 & \frac{-3\,U}{2\,t} \end{bmatrix}$$