$$H_{79} = \begin{bmatrix} -6\,\mu + U & -\left(\sqrt{2}\,t\right) & 0 & 0 \\ -\left(\sqrt{2}\,t\right) & -6\,\mu + U & 0 & t \\ 0 & 0 & -6\,\mu + U & \sqrt{2}\,t \\ 0 & t & \sqrt{2}\,t & -6\,\mu + 2\,U \end{bmatrix}$$