$$H_{98} = \begin{bmatrix} -6\,\mu + 2\,U & \mathbf{i}\,\sqrt{\frac{3}{2}}\,t - \frac{3\,t}{\sqrt{2}} & 0 \\ -\mathbf{i}\,\sqrt{\frac{3}{2}}\,t - \frac{3\,t}{\sqrt{2}} & -6\,\mu + 2\,U & \frac{-3\,t}{2} + \frac{\mathbf{i}}{2}\,\sqrt{3}\,t \\ 0 & \frac{-3\,t}{2} - \frac{\mathbf{i}}{2}\,\sqrt{3}\,t & -6\,\mu + 2\,U \end{bmatrix}$$