$$
H_{75} \quad = \quad \left[\begin{array}{cccccccc}
-6\,\mu + U & t & 0 & 0 & 0 & -\left(\sqrt{3}\,t\right) & 0 & \sqrt{3}\,t \\
t & -6\,\mu + U & 0 & 0 & \sqrt{6}\,t & 0 & 0 & 0 \\
0 & 0 & -6\,\mu + 3\,U & 0 & -\left(\sqrt{2}\,t\right) & 0 & \sqrt{2}\,t & 0 \\
0 & 0 & 0 & -6\,\mu + 2\,U & 0 & 0 & 0 & 2\,t \\
0 & \sqrt{6}\,t & -\left(\sqrt{2}\,t\right) & 0 & -6\,\mu + 2\,U & 0 & 0 & \sqrt{2}\,t \\
-\left(\sqrt{3}\,t\right) & 0 & 0 & 0 & 0 & -6\,\mu + 2\,U & \sqrt{2}\,t & 0 \\
0 & 0 & \sqrt{2}\,t & 0 & 0 & \sqrt{2}\,t & -6\,\mu + 2\,U & 0 \\
\sqrt{3}\,t & 0 & 0 & 2\,t & \sqrt{2}\,t & 0 & 0 & -6\,\mu + U
\end{array} \right]
$$