$$H_{17} = \begin{bmatrix} -2\,h - 6\,\mu + U & -\left(\sqrt{2}\,t\right) & -\left(\sqrt{3}\,t\right) & 2\,t \\ -\left(\sqrt{2}\,t\right) & -2\,h - 6\,\mu + U & 0 & 0 \\ -\left(\sqrt{3}\,t\right) & 0 & -2\,h - 6\,\mu + 2\,U & 0 \\ 2\,t & 0 & 0 & -2\,h - 6\,\mu + U \end{bmatrix}$$