$$
\begin{aligned}
\Psi_{99} &= C_1\left(|02uu\rangle - i\,|0uu2\rangle + |20uu\rangle - i\,|2uu0\rangle - i\,|u02u\rangle - i\,|u20u\rangle - |uu02\rangle - |uu20\rangle\right) \\
&\quad + C_2\left(-i\,|duuu\rangle - |uduu\rangle + i\,|uudu\rangle + |uuud\rangle\right)
\end{aligned}
$$

$$
C_1 = \frac{\left(\frac{1}{16} - \frac{i}{16}\right)\left(-U + \sqrt{16\,t^2 + U^2}\right)}{t}
$$

$$
C_2 = \frac{-i}{2}
$$