



$$\begin{cases}
\psi_{i} \psi_{i}^{*} = -\psi_{i}^{*} \psi_{i} & \text{jth} \\
\psi_{i} \psi_{i}^{*} = -\psi_{i}^{*} \psi_{i}^{*} & \text{jth} \\
\psi_{i} \psi_{i}^{*} & \text{j$$