$$\psi_{AB}\rangle$$
 $\boxed{\begin{array}{c} \Phi_U/\Phi_1 \\ \hline \\ 0\rangle\langle 0|\otimes V_0+|1\rangle\langle 1|\otimes V_1 \\ \hline \\ \Delta \end{array}}$ $\boxed{\begin{array}{c} \Delta \\ \hline \\ \dot{\mathbf{j}} \end{array}}$