$$|\Psi\rangle/o\rangle \quad I \otimes H \qquad \qquad I \otimes \sigma_{\chi}$$

$$\frac{1}{\sqrt{2}}|\Psi\rangle/o\rangle \qquad \qquad \frac{1}{\sqrt{2}}|\Psi\rangle/o\rangle \qquad$$