$$\begin{array}{c|c}
\sqrt{\text{NOT}} & \sqrt{\text{NOT}} & |1\rangle \\
\hline
\sqrt{\text{NOT}} & \sqrt{\text{NOT}} & \sqrt{\text{NOT}} \\
\hline
& \sqrt{2} \left[ e^{i\frac{\pi}{4}} |0\rangle + e^{-i\frac{\pi}{4}} |1\rangle \right] & |1\rangle
\end{array}$$