$$\begin{array}{c|cccc}
\widehat{0} \widehat{0} \widehat{1} \widehat{0} \widehat{0} \widehat{1} \widehat{1} \\
\underline{0} \widehat{0} \widehat{0} \widehat{1} \widehat{1} \widehat{1} \widehat{1}
\end{array}$$

$$\begin{array}{c|ccccc}
\langle \mathbf{0}, \mathbf{0} | & 1 & 0 & 0 & 0 \\
\langle \mathbf{0}, \mathbf{1} | & 0 & 1 & 0 & 0 \\
\langle \mathbf{1}, \mathbf{0} | & 0 & 0 & 0 & 0 \\
\langle \mathbf{1}, \mathbf{0} | & 0 & 0 & 0 & 0 \\
\langle \mathbf{1}, \mathbf{0} | & 0 & 0 & 0 & 0 & 0
\end{array}$$