$$\left(\begin{array}{cccccc}
0 & 1 & 1 & 0 & 0 & 1 \\
1 & 0 & 0 & 1 & 1 & 0 \\
\hline
0 & 1 & 1 & 0 & \frac{1}{\sqrt{2}} & 1 \\
\hline
1 & 0 & 1 & 0 & 1 & 0 \\
0 & 1 & 0 & 1 & 0 & 1
\end{array}\right)$$