$$\begin{array}{c|c}
 & r_{(t)} \\
\hline
 & g_{R(t)} \\
\hline
\end{array}
\qquad \begin{array}{c|c}
 & x_{[k]} \\
\hline
\end{array}
\qquad \begin{array}{c|c}
 & \hat{a}_k \\
\hline
\end{array}$$