$$
\begin{tikzcd}
 & \varprojlim \operatorname{Ext}^1(X, Y_\bullet) & & & \varprojlim \operatorname{Ext}^2(X, Y_\bullet) & & \\
\operatorname{Ext}^1(X, \varprojlim Y_\bullet) \arrow[r, hook] & (FG)^1 \arrow[u, two heads] \arrow[r] & (X, \varprojlim^1 Y_\bullet) \arrow[r] & \operatorname{Ext}^2(X, \varprojlim Y_\bullet) \arrow[r] & (FG)^2 \arrow[u, two heads] \arrow[r] & \operatorname{Ext}^1(X, \varprojlim^1 Y_\bullet) \\
 & \varprojlim^1 (X, Y_\bullet) \arrow[u, hook] & & & \varprojlim^1 \operatorname{Ext}^1(X, Y_\bullet) \arrow[u, hook] &
\end{tikzcd}
$$