

$$\begin{array}{ccccccc}
& \varprojlim \operatorname{Ext}^1(X, Y_\bullet) & & & \varprojlim \operatorname{Ext}^2(X, Y_\bullet) & & \\
& \uparrow & & & \uparrow & & \\
\operatorname{Ext}^1(X, \varprojlim Y_\bullet) & \hookrightarrow & (FG)^1 & \longrightarrow & (X, \varprojlim^1 Y_\bullet) & \longrightarrow & \operatorname{Ext}^2(X, \varprojlim Y_\bullet) \\
& \downarrow & & & \downarrow & & \\
& \varprojlim^1(X, Y_\bullet) & & & \varprojlim^1 \operatorname{Ext}^1(X, Y_\bullet) & &
\end{array}$$