

$$\begin{array}{ccccc}
 X & \xlongequal{\quad} & \frac{X}{L \cap \ker p} & \xrightarrow{\quad p \quad} & \frac{X}{\ker p} & \xlongequal{\quad} & C \\
 & & \downarrow & & \downarrow & & \\
 & & \frac{X}{L} & \xrightarrow{\quad} & \frac{X}{L + \ker p} & & 
 \end{array}$$