

$$\begin{array}{ccccccc}
 0 & \longrightarrow & X_l & \longrightarrow & X_{l-1} & \longrightarrow & \cdots \longrightarrow X_1 \longrightarrow X \\
 & \nwarrow A_l & \nearrow & & \nwarrow A_{l-1} & \nearrow & & \nwarrow A_1 & \nearrow \\
 & & & & & & & &
 \end{array}$$