

$$\begin{array}{ccccccc}
 \varphi(\theta) : & 0 & \longrightarrow & \varphi(A) & \longrightarrow & \varphi(B) & \longrightarrow & \varphi(C) & \longrightarrow & 0 \\
 \downarrow & & & \downarrow & & \downarrow & & \downarrow & & \\
 \theta^k : & 0 & \longrightarrow & A^k & \longrightarrow & B^k & \longrightarrow & C^k & \longrightarrow & 0
 \end{array}$$

□