

$$0 \rightarrow K'_{m+1} \rightarrow K_{m+1} \rightarrow K''_{m+1} \rightarrow 0$$

\downarrow \downarrow \downarrow

$$0 \rightarrow P'_{m+1} \rightarrow P_{m+1} \rightarrow P''_{m+1} \rightarrow 0$$

$$\begin{array}{ccccccc}
 & & P'_{m+1} & \xrightarrow{d_{m+1}} & P_{m+1} & \xrightarrow{d''_{m+1}} & P''_{m+1} \rightarrow 0 \\
 & \swarrow & \downarrow & \nearrow & \downarrow & \swarrow & \downarrow \\
 0 \rightarrow & K'_m & \xrightarrow{d_m} & K_m & \xrightarrow{d''_m} & K''_m & \rightarrow 0 \\
 & \swarrow & \downarrow & \searrow & \downarrow & \swarrow & \downarrow \\
 & P'_m & \xrightarrow{d_m} & P_m & \xrightarrow{d''_m} & P''_m & \rightarrow 0
 \end{array}$$

(Note: In the original image, a dashed vertical arrow connects P_{m+1} to P_m , and a dashed horizontal arrow connects K'_m to K''_m .)

$$\begin{array}{ccccccc}
 & & P'_m & \xrightarrow{d_m} & P_m & \xrightarrow{d''_m} & P''_m \rightarrow 0 \\
 & \swarrow & \downarrow & \nearrow & \downarrow & \swarrow & \downarrow \\
 & P'_{m-1} & \xrightarrow{d_{m-1}} & P_{m-1} & \xrightarrow{d''_{m-1}} & P''_{m-1} & \rightarrow 0
 \end{array}$$