

$$\begin{array}{ccccccc}
& 0 & & 0 & & 0 & \\
& \downarrow & & \downarrow & & \downarrow & \\
0 & \longrightarrow & k \otimes F(x) & \longrightarrow & k \otimes F(y) & \longrightarrow & k \otimes F(z) \longrightarrow 0 \\
& \downarrow & & \downarrow & & \downarrow & \\
0 & \longrightarrow & p \otimes F(x) & \longrightarrow & p \otimes F(y) & \longrightarrow & p \otimes F(z) \longrightarrow 0 \\
& \downarrow & & \downarrow & & \downarrow & \\
0 & \longrightarrow & F(x) & \longrightarrow & F(y) & \longrightarrow & F(z) \longrightarrow 0 \\
& \downarrow & & \downarrow & & \downarrow & \\
& 0 & & 0 & & 0 & 
\end{array}$$