$$(-,?)_{\mathcal{T}} \longrightarrow 0$$

$$\downarrow^{(\kappa_{i})_{*}} \qquad \downarrow$$

$$0 \longrightarrow \ker[(\pi_{i})_{S}] \longrightarrow (-,X_{i})_{\mathcal{T}} \xrightarrow{(\pi_{i})_{S}} F(-) \longrightarrow 0$$

$$\downarrow \qquad \qquad \downarrow^{(\phi_{i})_{*}} \qquad \parallel$$

$$0 \longrightarrow \ker[(\pi_{i+1})_{S}] \longrightarrow (-,X_{i+1})_{\mathcal{T}} \xrightarrow{(\pi_{i+1})_{S}} F(-) \longrightarrow 0$$