

$$\begin{array}{ccccccc}
0 & \longrightarrow & \varprojlim(A, -) & \longrightarrow & \Pi(A, -) & \longrightarrow & \Pi(A, -) \longrightarrow \varprojlim^1(A, -) \longrightarrow 0 \\
& & \downarrow \sim & & \downarrow \sim & & \downarrow \sim \\
0 & \longrightarrow & (\varinjlim A, -) & \longrightarrow & (\coprod A, -) & \longrightarrow & (\coprod A, -) \longrightarrow \mathrm{Ext}^1(\varinjlim A, -) \longrightarrow \mathrm{Ext}^1(\coprod A, -) \longrightarrow \mathrm{Ext}^1(\coprod A, -)
\end{array}$$