$$0 \longrightarrow \operatorname{Hom}_{G}(P_{0}, A) \longrightarrow \operatorname{Hom}_{G}(P_{1}, A) \longrightarrow \operatorname{Hom}_{G}(P_{2}, A) \longrightarrow \dots$$

$$\parallel \qquad \qquad \parallel \qquad \qquad \parallel$$

$$0 \longrightarrow \operatorname{Hom}_{G}(P_{0}, X) \longrightarrow \operatorname{Hom}_{G}(P_{1}, X) \longrightarrow \operatorname{Hom}_{G}(P_{2}, X) \longrightarrow \dots$$