$$\text{Hom}(R^{(B)}, N) \xrightarrow{\ b\ } \text{Hom}(R^{(C)}, N)$$

$$\downarrow \qquad \searrow^{z}$$

$$\dots \longrightarrow \text{Hom}(\text{Ker}\, C, N) \xrightarrow{\ \delta\ } \text{Ext}^2(A, N)$$

$$\downarrow \qquad \nearrow$$

$$\text{Ext}^1(C, N)$$