

$$\begin{array}{ccccc}
 \mathrm{Hom}(R^{(B)}, N) & \xrightarrow{b} & \mathrm{Hom}(R^{(C)}, N) & & \\
 & & \downarrow & \searrow z & \\
 \dots & \longrightarrow & \mathrm{Hom}(\mathrm{Ker} C, N) & \xrightarrow{\delta} & \mathrm{Ext}^2(A, N) \\
 & & \downarrow & \nearrow & \\
 & & \mathrm{Ext}^1(C, N) & &
 \end{array}$$