

$$\begin{array}{ccccccc}
\cdots & \longrightarrow & \mathrm{Tor}_3^A(A, M) & \longrightarrow & \mathrm{Tor}_3^A(K, M) & \longrightarrow & \mathrm{Tor}_3^A(K/A, M) \\
& & \searrow & & \searrow & & \searrow \\
& & \longrightarrow & \mathrm{Tor}_2^A(A, M) & \longrightarrow & \mathrm{Tor}_2^A(K, M) & \longrightarrow \mathrm{Tor}_2^A(K/A, M) \\
& & \searrow & & \searrow & & \searrow \\
& & \longrightarrow & \mathrm{Tor}_1^A(A, M) & \longrightarrow & \mathrm{Tor}_1^A(K, M) & \longrightarrow \mathrm{Tor}_1^A(K/A, M) \\
& & \searrow & & \searrow & & \searrow \\
& & \longrightarrow & A \otimes_A M & \longrightarrow & K \otimes_A M & \longrightarrow K/A \otimes_A M \longrightarrow 0
\end{array}$$

$$X \longrightarrow Y \longrightarrow Z$$

$$\begin{array}{ccc}
& (X_0, x) & \\
i \swarrow & & \searrow i' \\
(X, x) & \longrightarrow & (X', x) \\
\searrow & & \swarrow \\
& (U, u) &
\end{array}$$

$$\begin{array}{ccccc}
\prod_{i=1}^p & \xrightarrow{i} & \mathcal{M} & \xrightarrow{\pi} & \bigotimes_{i=1}^p V_i \\
& & & \searrow T & \nearrow
\end{array}$$