

$$\begin{array}{ccccccc}
 \dots & \longrightarrow & \Omega^n(M) & \xrightarrow{\quad d \quad} & \Omega^{n+1}(M) & \longrightarrow & \dots \\
 & & \downarrow r & & \downarrow r & & \\
 \dots & \longrightarrow & K^n & \xrightarrow{\quad D \quad} & K^{n+1} & \longrightarrow & \dots
 \end{array}$$