

$$\begin{array}{ccccccc}
 \Omega^0(M) & & \Omega^1(M) & & \Omega^2(M) & & \Omega^3(M) \\
 \parallel & & \uparrow \scriptstyle \cong & & \uparrow \scriptstyle \cong & & \uparrow \scriptstyle \cong \\
 C^\infty(M) & \xrightarrow{\nabla} & \mathfrak{X}(M) & \xrightarrow{\nabla \times} & \mathfrak{X}(M) & \xrightarrow{\nabla \cdot} & C^\infty(M)
 \end{array}$$