

$$\begin{array}{ccccc}
\mathbb{V}^{H^1} = H^1 & \xrightarrow{d^1 = \nabla^\perp} & \mathbb{V}^{HDiv} = H(\operatorname{div}) & \xrightarrow{d^2 = \nabla \cdot} & \mathbb{V}^{L^2} = L^2 \\
\downarrow \pi_0 & & \downarrow \pi_1 & & \downarrow \pi_2 \\
\mathbb{V}_h^{H^1} & \xrightarrow{d^1 = \nabla^\perp} & \mathbb{V}_h^{HDiv} & \xrightarrow{d^2 = \nabla \cdot} & \mathbb{V}_h^{L^2}
\end{array}$$