

$$\begin{array}{ccccccc}
\mathbb{V}^{H^1} = H^1 & \xrightarrow{d^1 = \nabla} & \mathbb{V}^{H\mathit{Curl}} = H(\mathit{curl}) & \xrightarrow{d^2 = \nabla \times} & \mathbb{V}^{H\mathit{Div}} = H(\mathit{div}) & \xrightarrow{d^3 = \nabla \cdot} & \mathbb{V}^{L^2} = L^2 \\
\downarrow \pi_0 & & \downarrow \pi_1 & & \downarrow \pi_2 & & \downarrow \pi_3 \\
\mathbb{V}_h^{H^1} & \xrightarrow{d^1 = \nabla} & \mathbb{V}_h^{H\mathit{Curl}} & \xrightarrow{d^2 = \nabla \times} & \mathbb{V}_h^{H\mathit{Div}} & \xrightarrow{d^3 = \nabla \cdot} & \mathbb{V}_h^{L^2}
\end{array}$$