

$$\begin{array}{ccc}
 H^1(\Omega) & \xrightarrow{\partial/\partial z} & L^2(\Omega) \\
 \Pi_0 \downarrow & & \downarrow \Pi_1 \\
 V_0 & \xrightarrow{\partial/\partial z} & V_1
 \end{array}$$