$$\underset{\sim}{\varepsilon}$$

$$\{v_i\} \in V$$

$v_1 \quad v_2 \quad v_3 \quad v_4 \quad v_5$

$$\forall \varepsilon > 0 \implies \exists N / \quad \underset{0 < \exists}{} $$

$$i, j > N \implies \| v_i - v_j \|_V < \varepsilon$$

$\underline{\text{Converge}}$ a V si

$$\| V - v_i \| \underset{i \to \infty}{\longrightarrow} 0$$

$$v \times \left(-\Delta u + u \right) = f \times v$$

$$\underbrace{- \int v \, \Delta u}_{IPP} + \int v \, u = \int v \, f$$

$$\int \nabla v \, \nabla u + \int v \, u = \int v \, f$$

FORMA BILINEAL

$$a(u, v_1 + v_2) = a(u, v_1) + a(u, v_2)$$

$$a(u_1 + u_2, v) = a(u_1, v) + a(u_2, v)$$

$$\int u\, v\, d\Omega \quad \text{es bilineal.}$$

$$\int (u v + \nabla u \cdot \nabla v)\, d\Omega \qquad :$$