The weak form of the isotropic linear blasticity problem can be given as 2

Given the domain  $\Omega$  and the following spaces:  $N = \{\vec{N} : \vec{N} > \vec{R} \mid \vec{N} \text{ is smooth vector field}\}$   $S = \{\vec{N} \in \vec{N} \mid \vec{N} = \vec{q} \text{ on } \partial \Omega_{\vec{N}}\}$   $\vec{V} = \{\vec{N} \in \vec{N} \mid \vec{N} = \vec{0} \text{ on } \partial \Omega_{\vec{N}}\}$ 

Find w&S sneh that

 $a(\vec{n}, \vec{n}) = l(\vec{n}) \quad \forall \vec{n} \in \mathcal{V}$   $nhore \quad a(\vec{n}, \vec{n}) = \int_{n} \frac{E}{H\nu} \left( e(\vec{n}) \cdot e(\vec{n}) + \frac{\nu}{H\nu} div \vec{n} div \vec$ 



