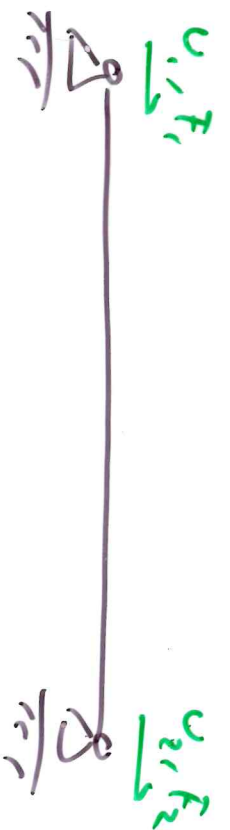


Bsp:

Stab



$$k = \frac{EA}{a}$$

$$\begin{bmatrix} u_1 \\ u_2 \end{bmatrix} = \frac{1}{k} \begin{bmatrix} k & -k \\ -k & k \end{bmatrix} \begin{bmatrix} F_1 \\ F_2 \end{bmatrix}$$

$$W = F_1 \cdot u_1 + F_2 \cdot u_2 = \underbrace{(k u_1 - k u_2) \cdot u_1}_{F_1} + \underbrace{(-k u_1 + k u_2) \cdot u_2}_{F_2}$$

$$= k (u_1^2 - 2 u_1 u_2 + u_2^2) = k \cdot (u_1 - u_2)^2$$