

unbekannte Verschiebungen

$$\vec{u}^{(1)} = [k^{(1)}]^{-1} \cdot \vec{F}^{(1)}$$

$$\frac{2}{EA} \begin{bmatrix} 2 & 2 & 1 & . & . & . \\ 2 & \frac{2}{3-2\sqrt{2}} & 1 & 2+2\sqrt{2} & -2 & 2+2\sqrt{2} \\ 1 & 1 & 1 & . & . & . \\ . & 2+2\sqrt{2} & . & 2+2\sqrt{2} & -1 & 1+2\sqrt{2} \\ . & -2 & . & -1 & 1 & -1 \\ . & 2+2\sqrt{2} & . & 1+2\sqrt{2} & -1 & 1+2\sqrt{2} \end{bmatrix} \cdot \frac{F_R}{EA} = \frac{F_R}{EA} \begin{bmatrix} -2 \\ \frac{-2}{3-2\sqrt{2}} \\ -1 \\ -2-2\sqrt{2} \\ +2 \\ -2-2\sqrt{2} \end{bmatrix}$$

$\underbrace{[k^{(1)}]^{-1}}_{\vec{F}^{(1)}} \quad \underbrace{\vec{F}^{(1)}}_{\vec{u}^{(1)}}$