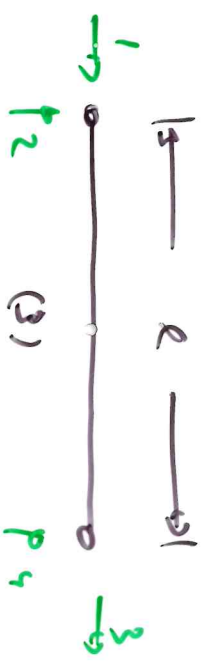


Element 3



$$\rightarrow \Delta x = l, \Delta y = 0, \quad e = \sqrt{\Delta x^2 + \Delta y^2} = \dots = l$$

$$c = \frac{\partial x}{\partial \xi} = \dots = 1, \quad s = \frac{\partial y}{\partial \xi} = \dots = 0$$

Steifigkeitsmatrix

$$[k_{(3)}] = \frac{EA}{l}$$

$$\begin{bmatrix} +1 & \cdot & \cdot & -1 \\ \cdot & \cdot & \cdot & \cdot \\ -1 & \cdot & \cdot & +1 \\ \cdot & \cdot & \cdot & \cdot \end{bmatrix} = k_{(3)} \quad ; \quad (1, 2, 3, 4)$$

Stab (3) in der Struktur



\rightarrow Koordinatenschema

e	1	2	3	4
(3)	7	8	3	4