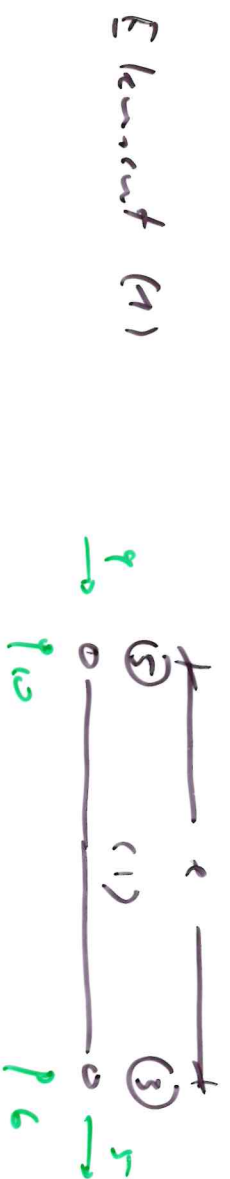


Dehnung und Spannung (in den Elementen)



Dehnung

$$\varepsilon_{(1)} = \frac{u_5 - u_9}{l} = \frac{2 \frac{Fl}{EA} - 0}{l} = \dots = 2 \frac{F}{EA}$$

Spannung

$$\sigma_{(1)} = E \cdot \varepsilon_{(1)} = E \cdot 2 \frac{Fl}{EA} = 2 \frac{F}{A}$$