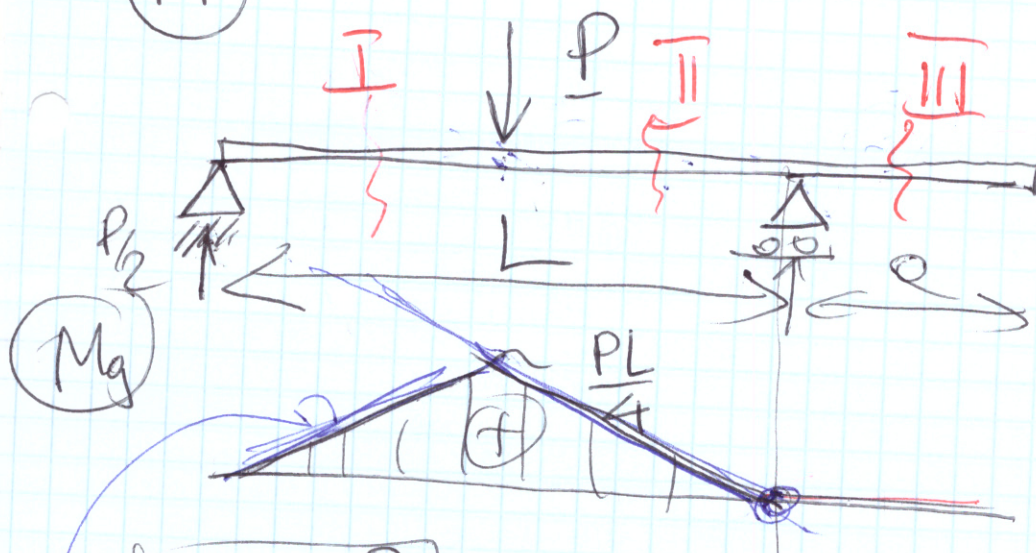


(P1)



$$W(x) = ?$$

$$W''(x) \approx \frac{1}{\rho} = \frac{Mg(x)}{EJ}$$

$$\text{I} \quad \left\{ W''_{\text{I}}(x) = \frac{P}{2} \frac{x}{EJ} \right\}$$

$$W'_{\text{I}}(x) = \frac{P}{4EJ} x^2 + C_{\text{I}}$$

$$W_{\text{I}}(x) = \dots + G_{\text{I}} x + D_{\text{I}}$$

$$\text{II} \quad \left\{ W''_{\text{II}}(x) = -\frac{P}{2} \frac{(x-L)}{EJ} \right\}$$

$$W'_{\text{II}}(x) = \dots + C_{\text{II}}$$

$$W_{\text{II}} = \dots + G_{\text{II}} x + D_{\text{II}}$$

$$\text{III} \quad \left\{ W''_{\text{III}} = 0 \right\}$$

$$W'_{\text{III}} = C_{\text{III}}$$

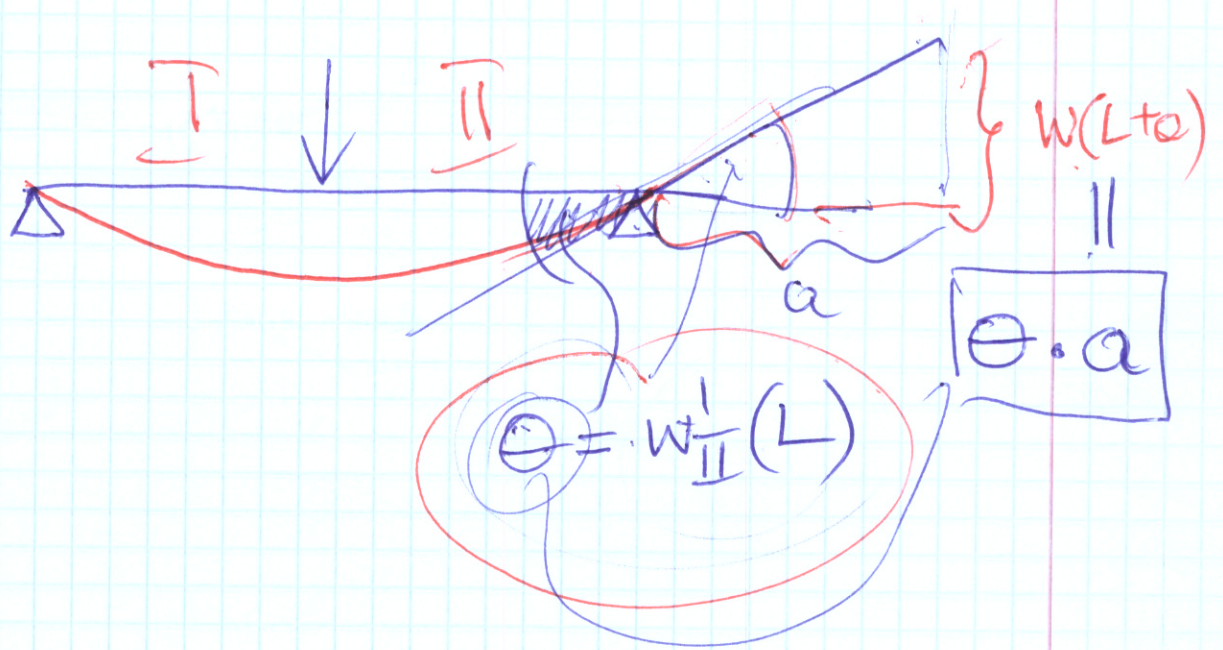
$$W_{\text{III}} = G_{\text{III}} x + D_{\text{III}}$$

6 wew.

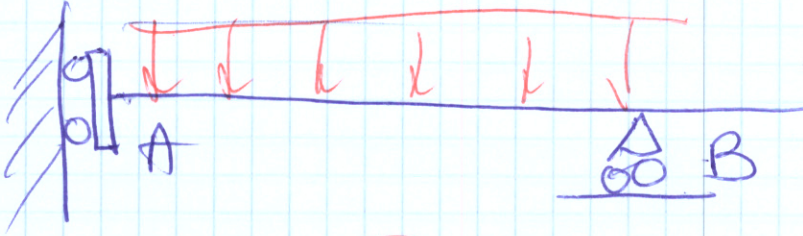
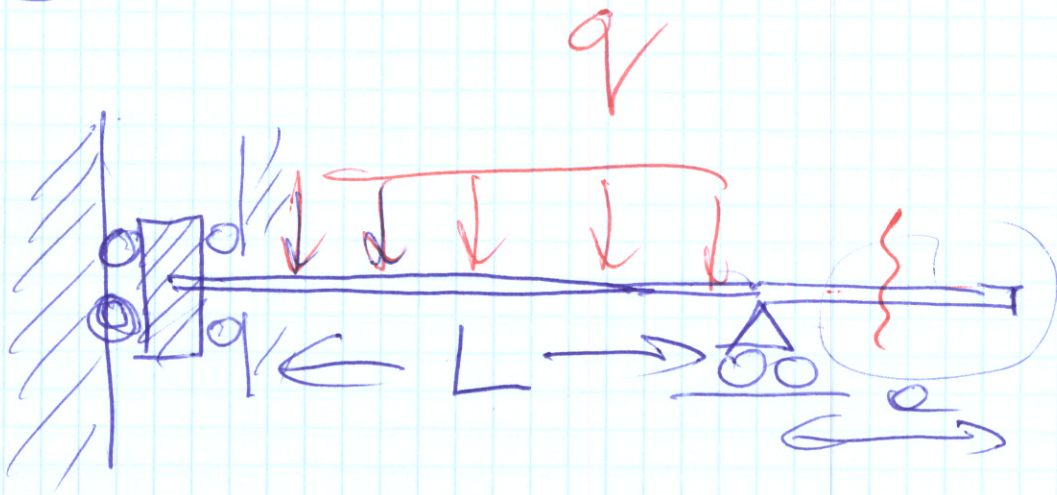
$$\text{WB. } \begin{cases} W_{\text{I}}(0) = 0 \\ W_{\text{II}}(L) = 0 \end{cases} \quad (2)$$

$$\text{Werk. dgl. } \begin{cases} W_{\text{I}}(\frac{L}{2}) = W_{\text{II}}(\frac{L}{2}) \\ W'_{\text{I}}(\frac{L}{2}) = W'_{\text{II}}(\frac{L}{2}) \end{cases} \quad (2)$$

$$\begin{cases} W_{\text{II}}(L) = W_{\text{III}}(L) \\ W'_{\text{II}}(L) = W'_{\text{III}}(L) \end{cases} \quad (2)$$



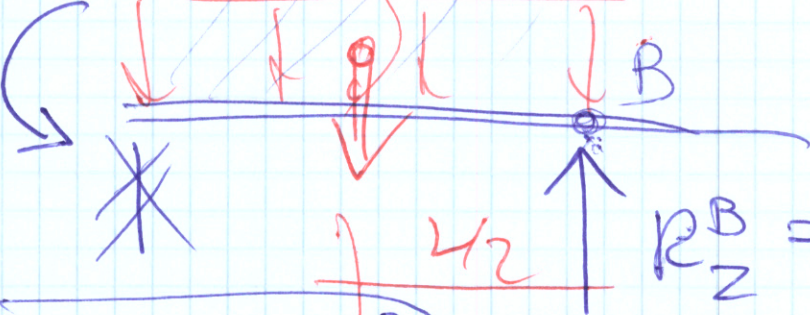
P2



~~M_A~~

M_A

qL



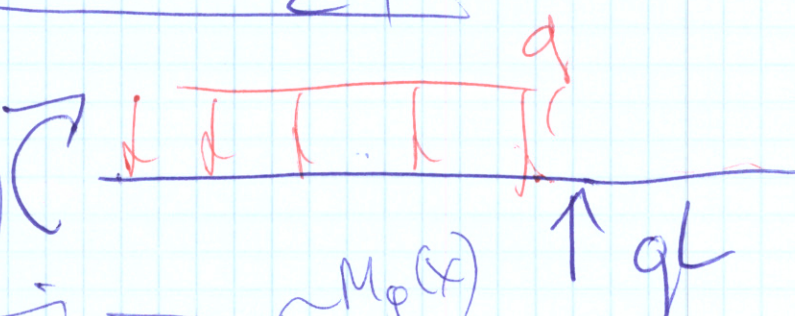
$R_A = x$

$R_B = qL$

$$M_A = -\frac{qL^2}{2}$$

WB

$\frac{qL^2}{2}$

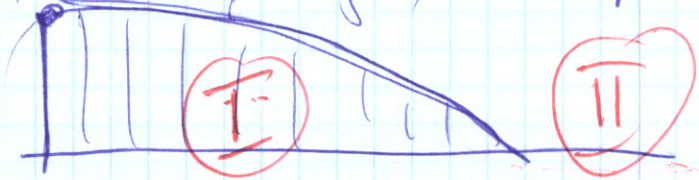


$M_g(x)$

qL

M_g

I



WB

~~WB~~

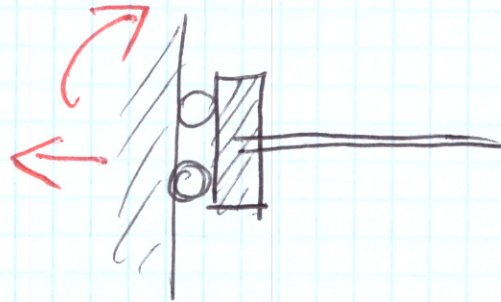
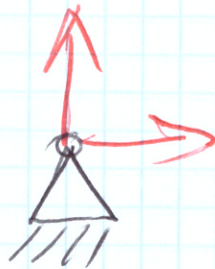
$$W_I^I(0) = 0$$

$$W_I(L) = 0$$

$$W_I^{II} = \dots$$

$$W_I^I = \dots + C_I$$

$$W_I = \dots + C_I x + \frac{C_I}{I}$$



WB

W Cigloni