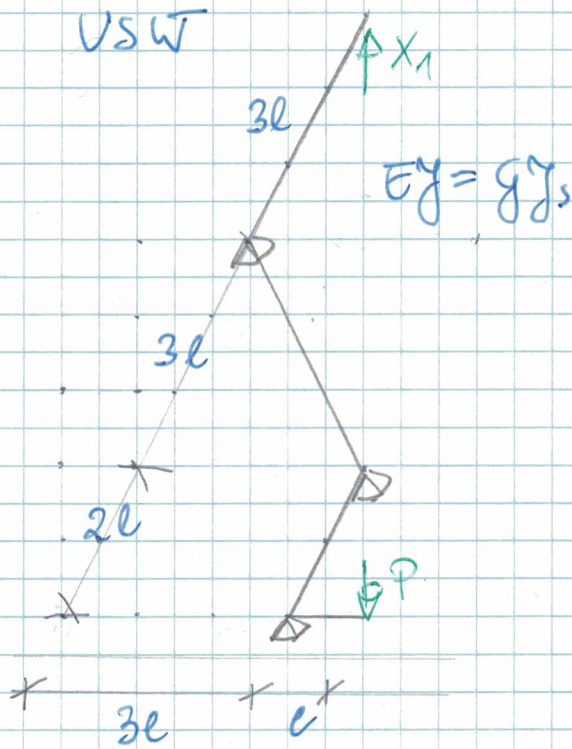
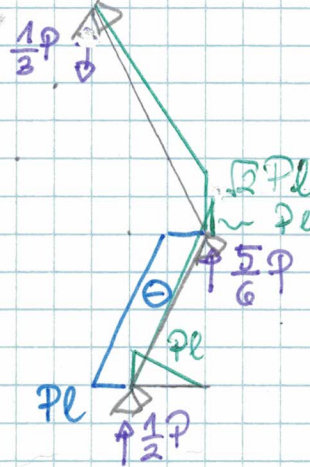


USW



Stan $\alpha 0^{\circ}$



M_0

M_1

r - nie zgodzimy

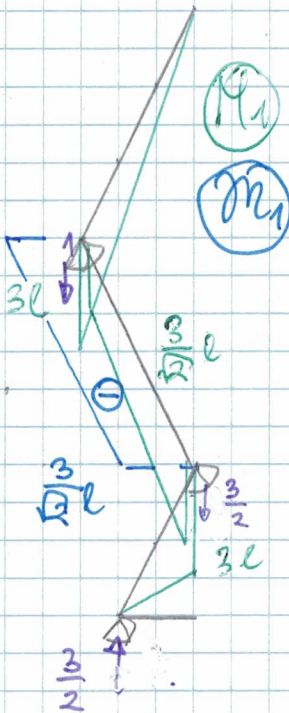
$$\delta_{11} X_1 + \delta_{10} = 0$$

$$\text{Stan } X_1 = 1$$

$$\begin{aligned} \delta_{11} &= \frac{1}{E\gamma} \left[\frac{1}{2} 3l \cdot 3l \cdot \frac{2}{3} 3l + \right. \\ &+ 2 \cdot \frac{3}{\sqrt{2}} l \cdot 3\sqrt{2} l \cdot \frac{3}{2} l + \left. \frac{1}{2} 3l \cdot 2l \cdot \frac{2}{3} 3l \right] = \\ &= 53,183 \frac{l^3}{E\gamma} \end{aligned}$$

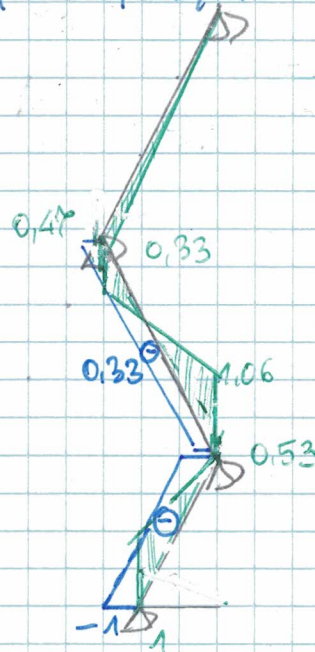
$$\begin{aligned} \delta_{10} &= \frac{1}{E\gamma} \left[\frac{1}{2} \cdot P l \cdot 3\sqrt{2} l \cdot \frac{3}{2} l + \right. \\ &+ \left. \frac{1}{2} P l \cdot 2l \cdot \left(-\frac{2}{3} 3l\right) \right] = -8,364 \frac{P l^3}{E\gamma} \end{aligned}$$

$$X_1 = 0,157 P$$



M_1

M_2



M $[P l]$

M_2 $[P l]$

Kolegium MK KB nr. 8V2022