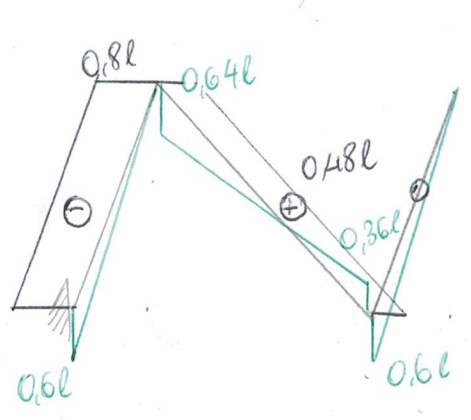
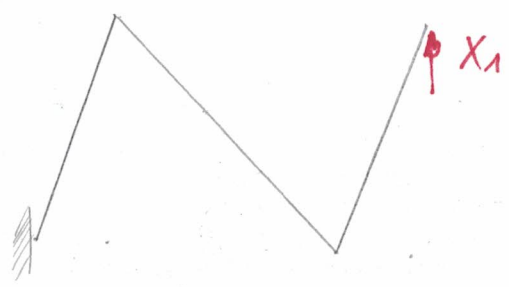
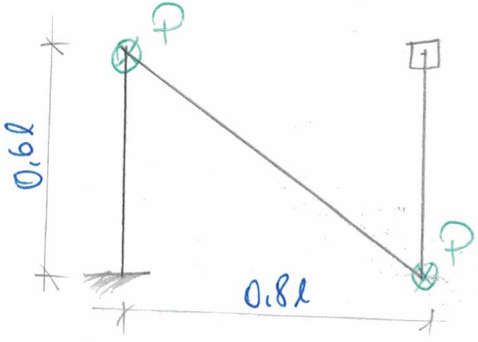
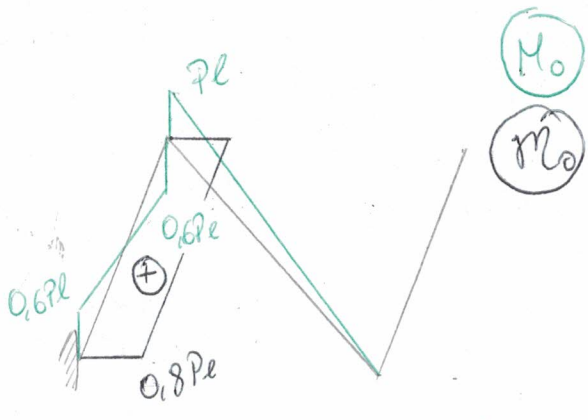


$g_{ys} = 0,5 EY$

USW



M_1
 m_1

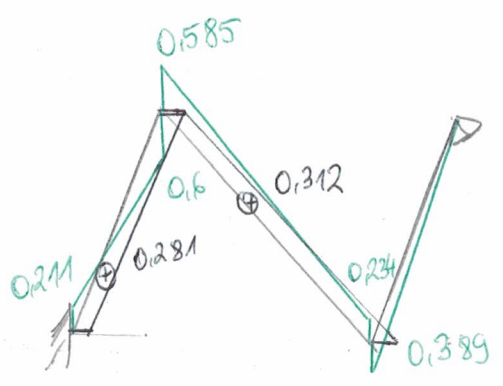


M_0
 m_0

$$\Delta_{11} = \frac{1}{EY} \left[2 \cdot \frac{1}{2} \cdot 0,6l \cdot 0,6l \cdot \frac{2}{3} \cdot 0,6l + \frac{1}{2} \cdot 0,36l \cdot l \left(\frac{2}{3} \cdot 0,36l - \frac{1}{3} \cdot 0,64l \right) + \frac{1}{2} \cdot 0,64l \cdot l \cdot \left(\frac{2}{3} \cdot 0,64l - \frac{1}{3} \cdot 0,36l \right) \right] + \frac{1}{0,5 EY} \left[0,48l \cdot l \cdot 0,48l + 0,8l \cdot 0,6l \cdot 0,8l \right] = 1,476 \frac{l^3}{EY}$$

$$\Delta_{10} = \frac{1}{EY} \left[\frac{1}{2} Pl \cdot l \left(-\frac{2}{3} \cdot 0,64l + \frac{1}{3} \cdot 0,36l \right) + \frac{1}{2} \cdot 0,6l \cdot 0,6l \cdot \left(-\frac{2}{3} \cdot 0,6Pl + \frac{1}{3} \cdot 0,6Pl \right) + \frac{1}{0,5 EY} \left[0,8Pl \cdot 0,6l \cdot (-0,8l) \right] \right] = -0,957 \frac{Pl^3}{EY}$$

$$X_1 = - \frac{\Delta_{10}}{\Delta_{11}} = 0,649 P$$



M [Pl]
 m [Pl]