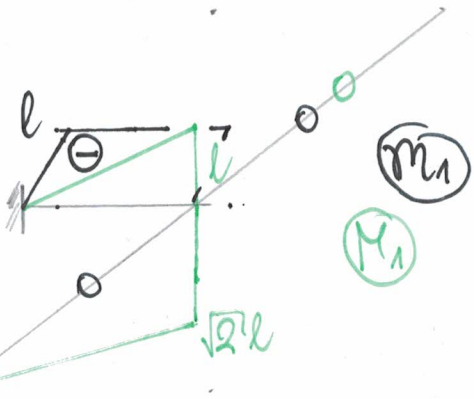
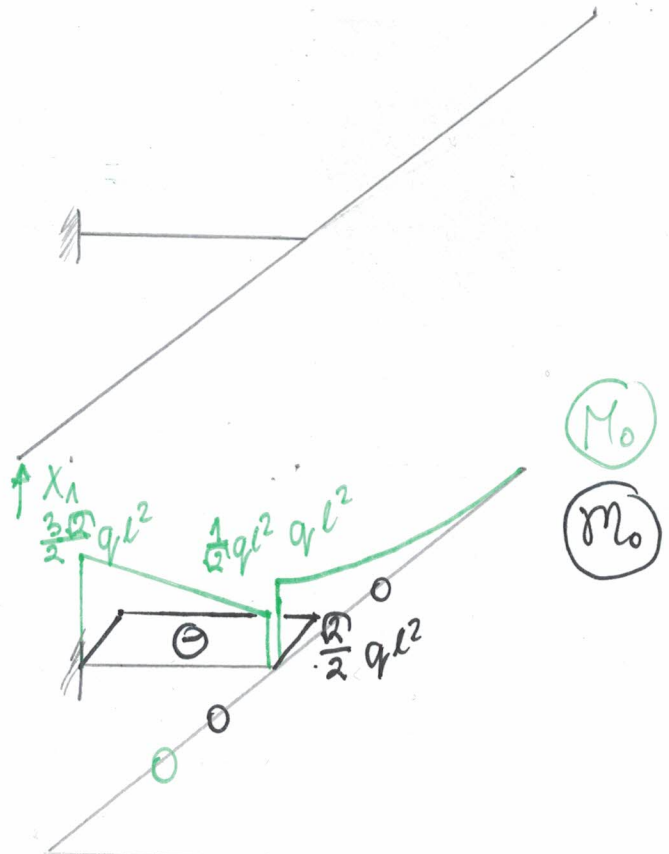
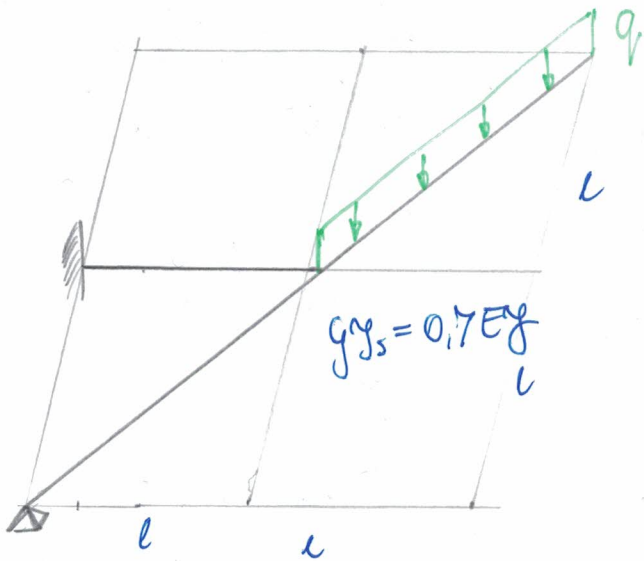


USW



$$\delta_{11} = \frac{1}{EI_y} \left[ \frac{1}{2} \cdot 2l \cdot 2l \cdot \frac{2}{3} \cdot 2l + \frac{1}{2} \cdot l \cdot l \cdot l \cdot \frac{2}{3} \right] + \frac{1}{0,17EI_y} [l \cdot l \cdot l] = 2,705 \frac{l^3}{EI_y}$$

$$\delta_{10} = \frac{1}{EI_y} \left[ \frac{1}{2} \cdot l \cdot l \cdot \left( \frac{2}{3} \cdot \frac{2}{2} \cdot ql^2 + \frac{1}{3} \cdot \frac{3}{2} \cdot ql^2 \right) \right] + \frac{1}{0,17EI_y} [l \cdot l \cdot \frac{2}{2} \cdot ql^2] = 1599 \frac{ql^4}{EI_y}$$

$$X_1 = - \frac{\delta_{10}}{\delta_{11}} = -0,591 \cdot ql$$

