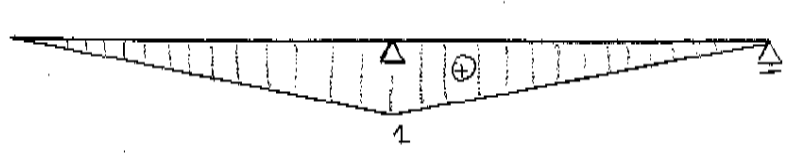
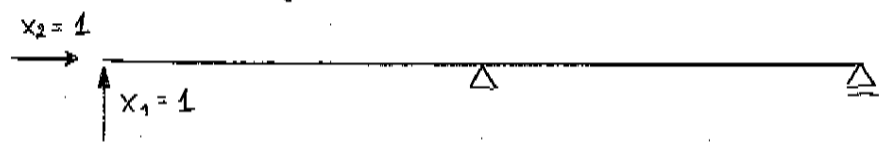
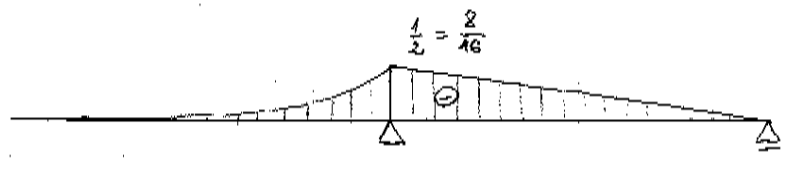


$$n_s = 2$$

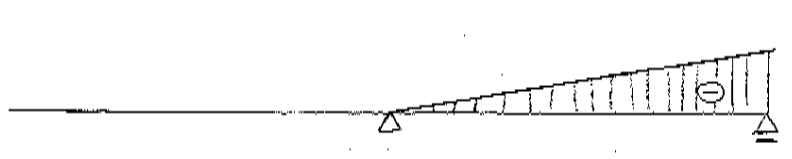
Przyjmujemy, że siły poziome w belce są równe 0 więc eliminuje się niewiadoma x_2 .



$$M_1 [l]$$



$$M_{p1} [ql^4]$$



$$1 = \frac{16}{16}$$

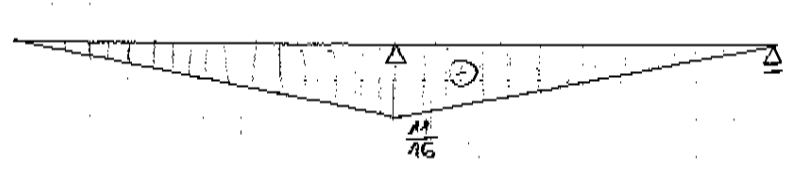
$$M_{p2} [ql^4]$$

$$\delta_{11} = \frac{1}{EJ} \left[\frac{1}{2} l \cdot l \left(\frac{2}{3} l \right) 2 \right] = \frac{2}{3} \frac{l^3}{EJ}$$

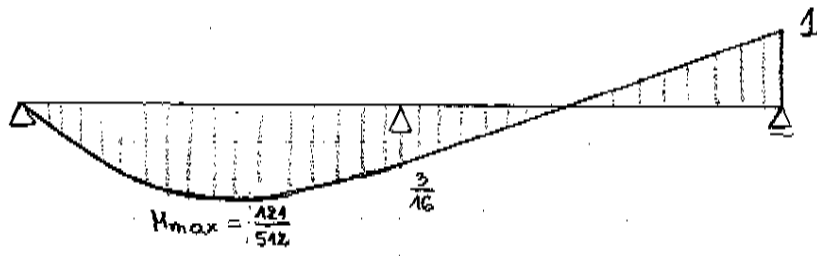
$$\Delta_{1P} = \frac{1}{EJ} \left[\frac{1}{3} \frac{1}{2} ql^2 l \left(-\frac{2}{3} l \right) + \frac{1}{2} \cdot \frac{1}{2} ql^2 l \cdot \left(-\frac{2}{3} l \right) + \frac{1}{2} \cdot ql^2 l \cdot \left(-\frac{1}{3} l \right) \right] = -\frac{11}{24} \frac{ql^4}{EJ}$$

$$\delta_{11} \cdot x_1 + \Delta_{1P} = 0$$

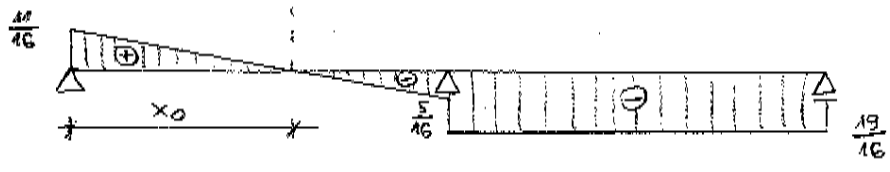
$$x_1 = -\frac{\Delta_{1P}}{\delta_{11}} = \frac{11}{24} \frac{ql^4}{EJ} \cdot \frac{3}{2} \frac{EJ}{l^3} = \frac{11}{16} ql$$



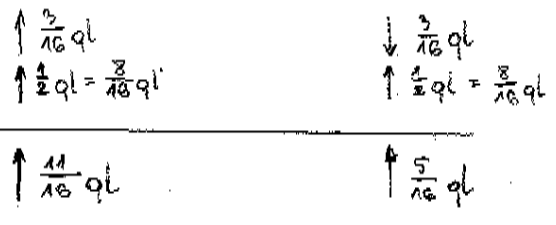
$$M_1 x_1 [ql^3]$$



$M [ql^2]$



$T [ql]$



$$x_0 = \frac{T_0}{q} = \frac{11}{16} l$$

$$M_{max} = \frac{11}{16} ql \cdot \frac{11}{16} l - q \cdot \frac{11}{16} l \cdot \frac{1}{2} \cdot \frac{11}{16} l = \frac{124}{256} ql^2 - \frac{124}{512} ql^2 = \frac{242}{512} ql^2 - \frac{124}{512} ql^2 = \frac{124}{512} ql^2$$