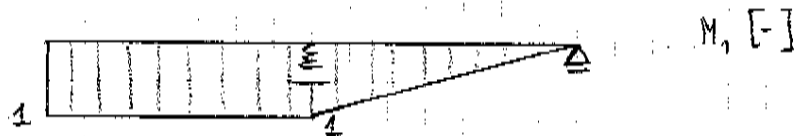
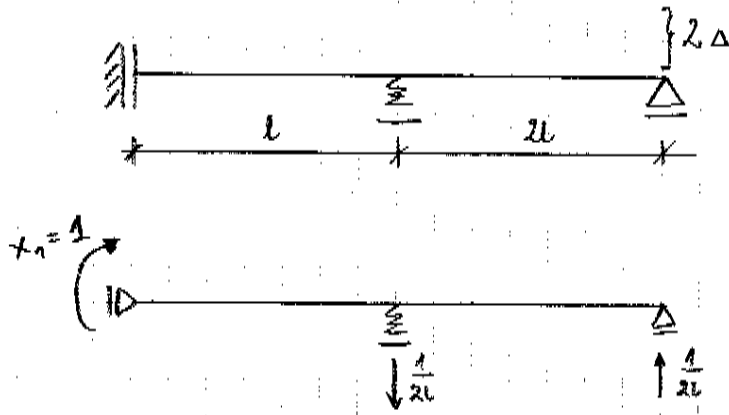


$$k = \frac{3}{4} \frac{EJ}{l^3}$$

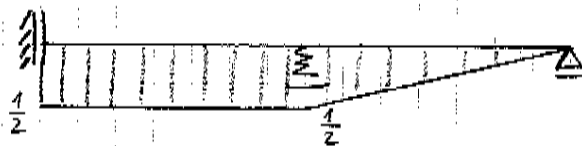


$$\bar{S}_M = \frac{1}{EJ} \left[1 \cdot l \cdot 1 + \frac{1}{2} \cdot 1 \cdot 2l \cdot \left(\frac{2}{3} \cdot 1 \right) \right] + \frac{1}{\frac{3}{4} \frac{EJ}{l^3}} \cdot \frac{1}{2l} \cdot \frac{1}{2l} = 2 \frac{l}{EJ}$$

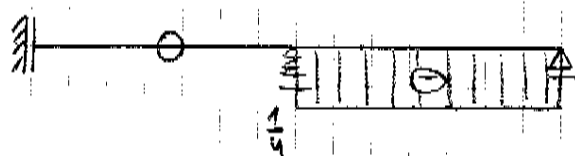
$$\Delta_{1\Delta} = -\sum R \cdot \Delta = -\left(\frac{1}{2l} \cdot 2\Delta \right) = -\frac{\Delta}{l}$$

$$\bar{S}_M \cdot x_1 + \Delta_{1\Delta} = 0$$

$$x_1 = -\frac{\Delta_{1\Delta}}{\bar{S}_M} = \frac{1}{2} \frac{\Delta EJ}{l^2}$$



$$M \left[\frac{\Delta EJ}{l^3} \right] \quad M = M_1 \cdot x_1$$



$$T \left[\frac{\Delta EJ}{l^3} \right]$$