METODA SILA

$$\delta_{ij} = \int \left(\frac{M_i M_j}{EI} + \frac{N_i N_j}{EF} + k\frac{T_i T_j}{GF} \right) ds$$

$$\delta_{io} = \int \left(\frac{M_i M_o}{EI} + \frac{N_i N_o}{EF} + k\frac{T_i T_o}{GF} \right) ds$$

$$\delta_{it} = \int \left(M_i \cdot \alpha t \cdot \frac{\Delta t}{h} + N_i \cdot \alpha t \cdot t_i^{\circ} \right) ds$$

$$\delta_{ic} = -\sum C_{j,i} \cdot c_j \qquad \delta = \frac{1}{E_{1c}} \cdot \delta^*$$

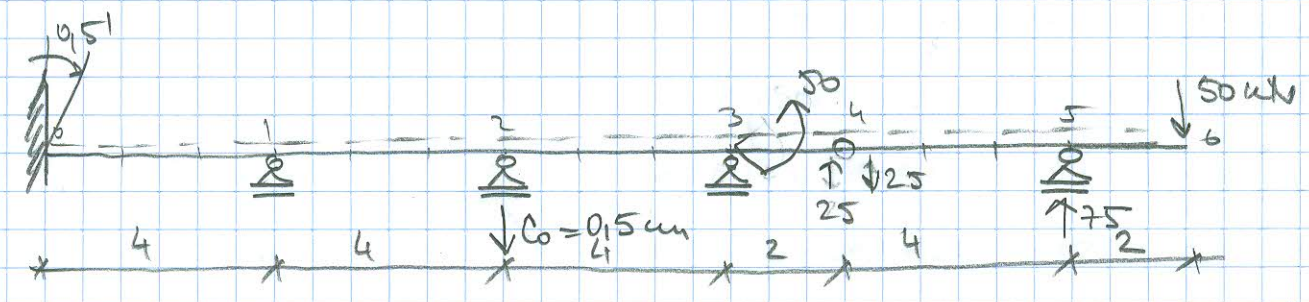
$EI = 10^6\ kNm^2$

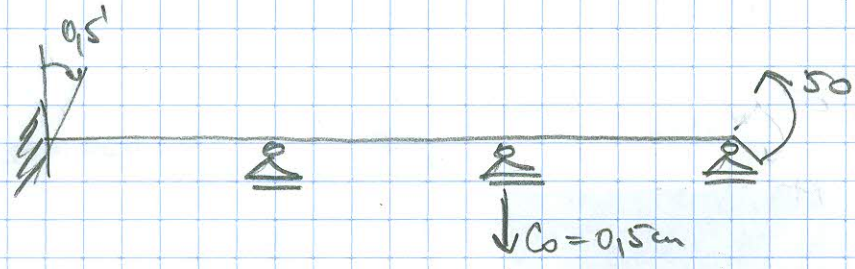
$\alpha t = 10^{-5}\ 1/^{\circ}C$ Da li je ovole 10^{-5}

$\Delta t = 10^{\circ}C \quad h = 1m$

$\sum M_4 = 0 \qquad 50 \cdot 6 - V \cdot 4 = 0$

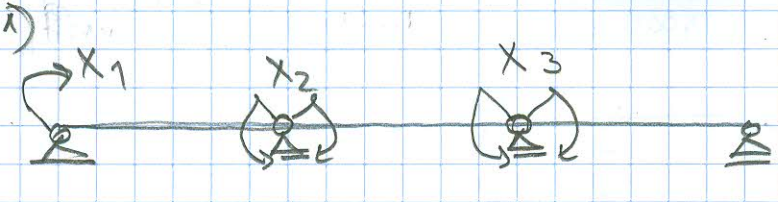
ZADATAK 1.



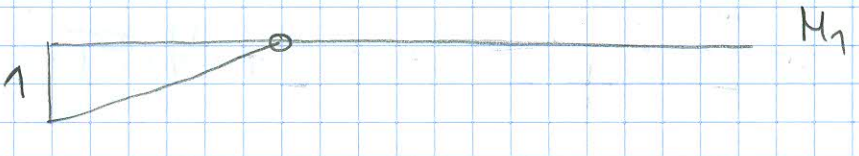


$n = 5 + 1 + 2 + 3 - 4 - 2 - 3$

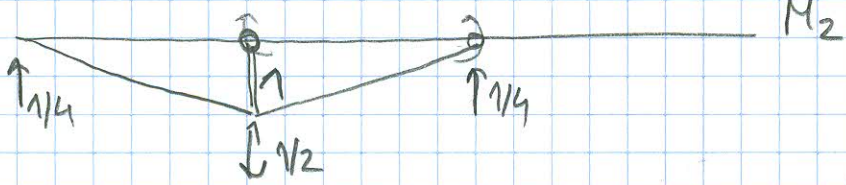
1)



1) $X_1 = 1$



2) $X_2 = 1$



3)