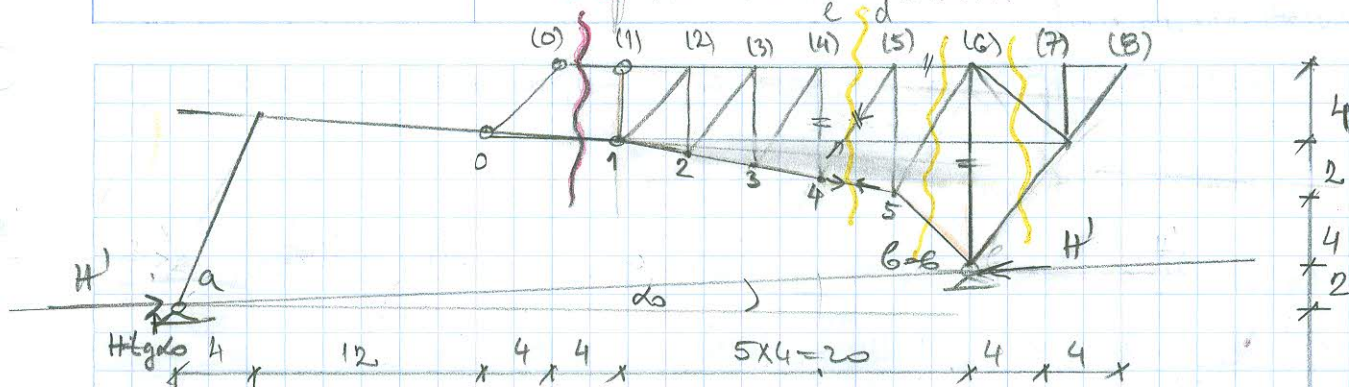


ZADATAK

▽

OVOJE JEDAN NOSAČ JER SU SE VEZALI  
TRI POTRI STAPA



$$\tan \alpha = \frac{2}{4} = \frac{1}{2}$$

$$T_0 = T_{0,0} + H \tan \alpha = 0$$

$$\rightarrow H = -\frac{T_{0,0}}{\tan \alpha} = -22 T_{0,0}$$

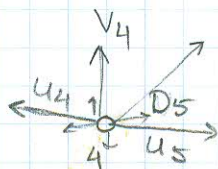
$$\text{OSLONAC A: } H^{(a)} = -22 \cdot (1) = -22$$

$$\text{OSLONAC B: } H^{(b)} = -22 \cdot (-1) = 22$$

$$T_1 = T_{1,0} + H \tan \alpha = 0$$

MOGLA SAM DA UZMEM  
pozitivno  $T$

$$V_4 = \dots$$



$$V_4 + D_5 \sin \alpha_5 - U_5 \sin \alpha_5 + U_4 \sin \alpha_4 = 0$$

$$V_4 - D_5 \sin \alpha_5 + U_5 \sin \alpha_5 - U_4 \sin \alpha_4 = 0$$

$$D_5 = \dots \sum M(4) = 0 \quad M(4,0) - H \cdot y(4) - U_5 \cos \alpha_5 \cdot h_4 - D_5 \cos \alpha_5 \cdot h_4 = 0$$

zašto ne radim predu (F)

$$D_5 = \frac{1}{\cos \alpha_5} \left( \frac{M(4,0)}{h_4} - \frac{H y(4)}{h_4} - \frac{U_5 \cos \alpha_5 \cdot h_4}{h_4} \right)$$

$$U_5 = \dots \sum M(5) = 0$$

$$M(5,0) - U_5 \cos \alpha_5 \cdot h_5 - H \cdot y(5) = 0$$

$$U_5 = \frac{1}{\cos \alpha_5} \left( \frac{M(5,0)}{h_5} - \frac{H y(5)}{h_5} \right)$$

$$\tan \alpha_4 = \frac{2}{16} = \frac{1}{8} \Rightarrow \tan \alpha_5 = \frac{1}{8}$$

$$\tan \alpha_5 = \frac{h_4}{4} = \frac{5,5}{4} = \frac{11}{8} \quad \cos \alpha_5 = \frac{8}{\sqrt{185}}$$

$$y(5) = 12 - 40 \cdot \frac{1}{8} = 12 - \frac{40}{8} = 10,18$$

$$y_5 = 8 - \frac{16 \cdot 2}{16} - \frac{1 \cdot 40}{22} = 4,18$$

$$h_5 = y(5) - y_5 = 10,18 - 4,18 = 6m$$

$$y(4) = 12 - \frac{36 \cdot 1}{22} = 10,36$$

$$h_4 = 4 + 12 \cdot \frac{1}{8} = 5,5$$

$$D_5 = \frac{\sqrt{185}}{8} \left( \frac{M(4,0)}{5,5} - \frac{H \cdot 10,36}{5,5} - \frac{M(5,0)}{6} + \frac{H \cdot 10,18}{6} \right) \quad y_4 = y(4) - h_4 = 10,36 - 5,5 = 4,8636$$

$$D_5 = \frac{\sqrt{185}}{44} M(4,0) - \frac{\sqrt{185}}{48} M(5,0) - 0,31849186 H$$

$$U_4 = \dots \sum M(4) = 0 \quad M(4,0) - U_4 \cos \alpha_4 \cdot h_4 - H \cdot y(4) = 0$$

$$U_4 = \frac{1}{\cos \alpha_4} \left( \frac{M(4,0)}{h_4} - \frac{H y(4)}{h_4} \right)$$