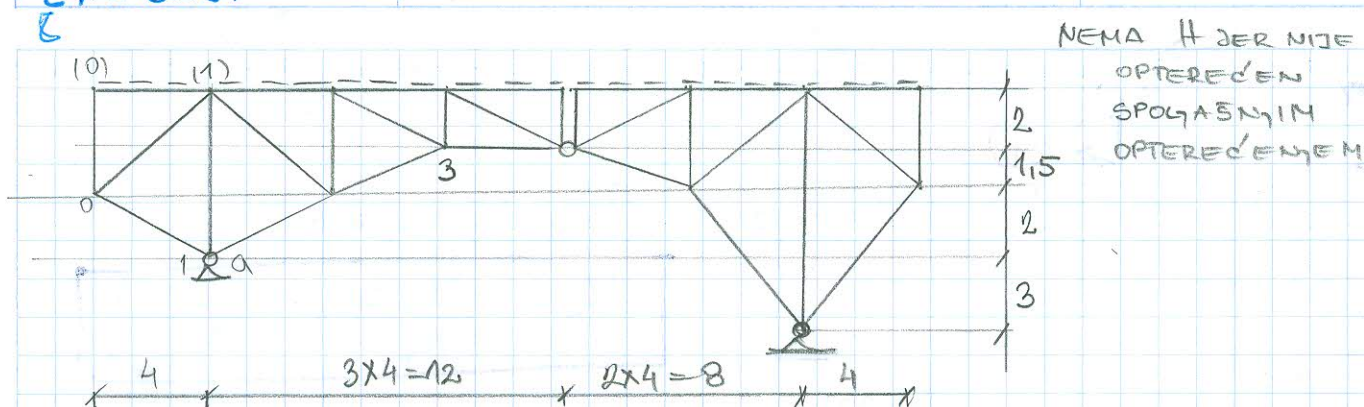
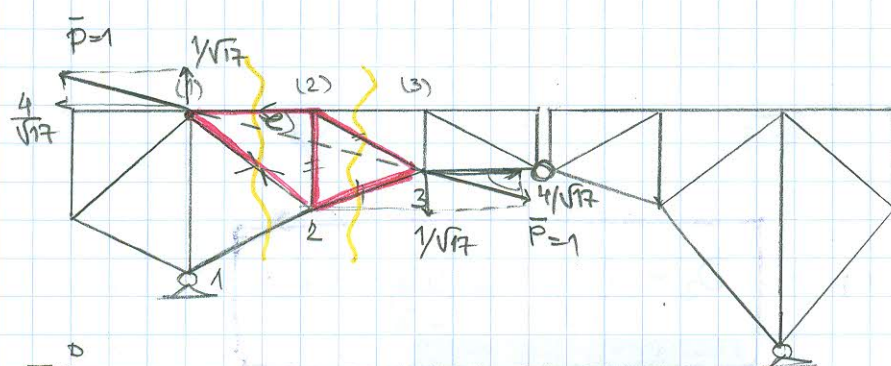


* Nacrtati uticajnu liniju za razmicanje čvorova (1) i 3
 $EF = \text{const}$



NEMA H JER NIJE
 OPTEREĆEN
 SPOJASNIM
 OPTEREĆENJEM



$$\begin{aligned} \tan \theta &= \frac{2}{8} = \frac{1}{4} \\ \sin \theta &= \frac{1}{\sqrt{17}} \\ \cos \theta &= \frac{4}{\sqrt{17}} \end{aligned}$$

$$\sum M_2 = 0$$

$$M_2 + O_2 \cdot h_2 = 0$$

$$O_2 = -\frac{M_{2,0}}{h_2}$$

$$O_2 = -\frac{M_{2,0}}{3.5}$$

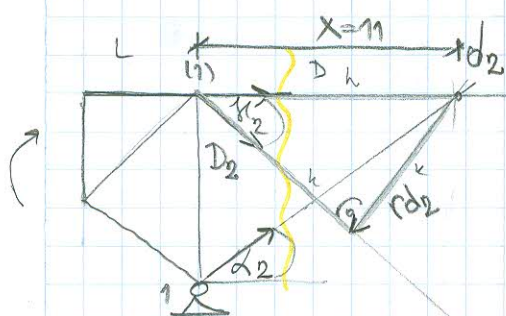
$$h_2 = 3.5$$

$$\sum M_{(2)} = 0 \quad M_{(2)} - U_3 \cdot h_2 \cdot \cos \beta_3 = 0$$

$$U_3 = \frac{1}{\cos \beta_3} \frac{M_{(2)}}{h_2} = \frac{\sqrt{73}}{8} \frac{M_{(2)}}{3.5}$$

$$\begin{aligned} \tan \beta_3 &= \frac{1.5}{4} = \frac{3}{8} \\ \cos \beta_3 &= \frac{8}{\sqrt{73}} \end{aligned}$$

$$U_3 = \frac{\sqrt{73}}{28} M_{(2)}$$



$$\tan \alpha_2 = \frac{2}{4} = \frac{1}{2} = \frac{5.5}{X} \quad X = 5.5 \cdot 2$$

$$X = 11$$

$$\tan \beta_2 = \frac{3.5}{4} = \frac{7}{8} \quad \sin \beta_2 = \frac{7}{\sqrt{113}}$$

$$r_{d2} = X \sin \beta_2 = 11 \cdot \frac{7}{\sqrt{113}} = \frac{77}{\sqrt{113}}$$

$$\sum M_{d2} = 0$$

$$M_{d2} - D_2 \cdot r_{d2} = 0$$

$$D_2 = \frac{M_{d2} \cdot \sqrt{113}}{77}$$