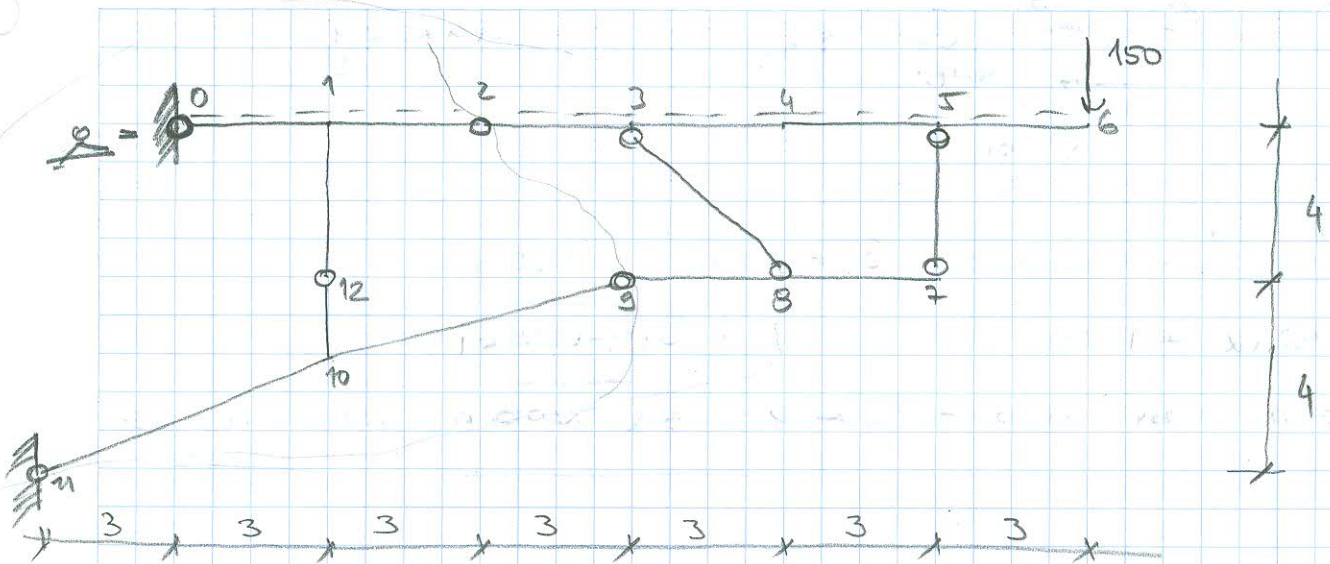
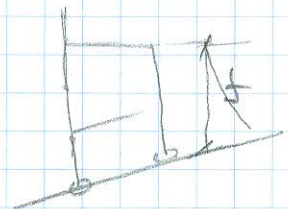
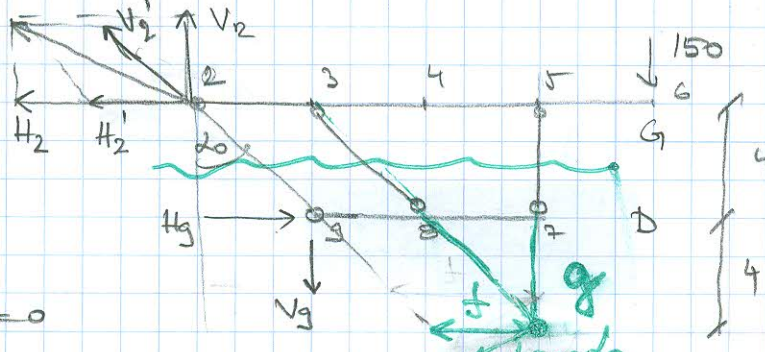


DATAK 1.

DEFORMACIONI RAD.



1) POTREBAN MI JE M DIAGRAM



$$\sum M_g = 0$$

$$150 \cdot 5 - H_2' \cdot 4 = 0 \quad H_2' = \frac{150 \cdot 5}{4} = 337,5 \text{ kN}$$

$$\tan \alpha = \frac{3}{4}$$

$$\cos \alpha = \frac{4}{5} = 0,8$$

$$f = 3 \text{ m}$$

$$V_2' \cdot \cos \alpha = V_2$$

$$\sum M_g = 0$$

$$-H_2' \cdot 8 + V_2' \cdot f \cos \alpha + 150 \cdot 3 = 0$$

$$V_2 = 750$$

$$H_2 = H_2' + V_2 \tan \alpha = 337,5 + 750 \cdot \frac{3}{4} = 900$$

$$H_2 = 900$$

$$\sum H = 0$$

$$-900 + H_g = 0 \quad H_g = 900$$

$$\sum V = 0$$

$$750 - 150 - V_g = 0 \quad V_g = 600$$