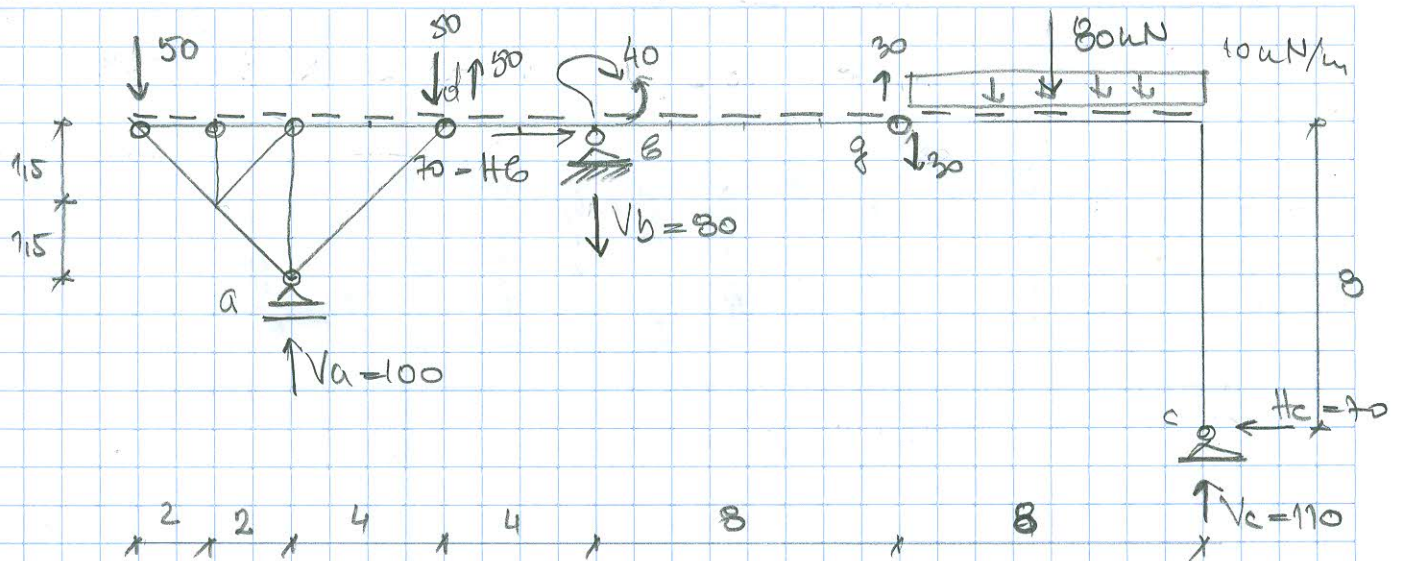


ZADATAK



* NACRTATI DIJAGRAM VERTIKALNOG POMERANJA I OZNAČENOG POTEŽA

ŠTAPOVA NA SVAKA 2m.

PUN NOSAČ:

PROSTI ŠTAPOVI:

$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$b/h = 93/0,8 \text{ m}$$

$$b/h = 0,3/0,3 \text{ m}$$

$$\frac{I}{F} = 0 \quad \frac{I}{G} = 0$$

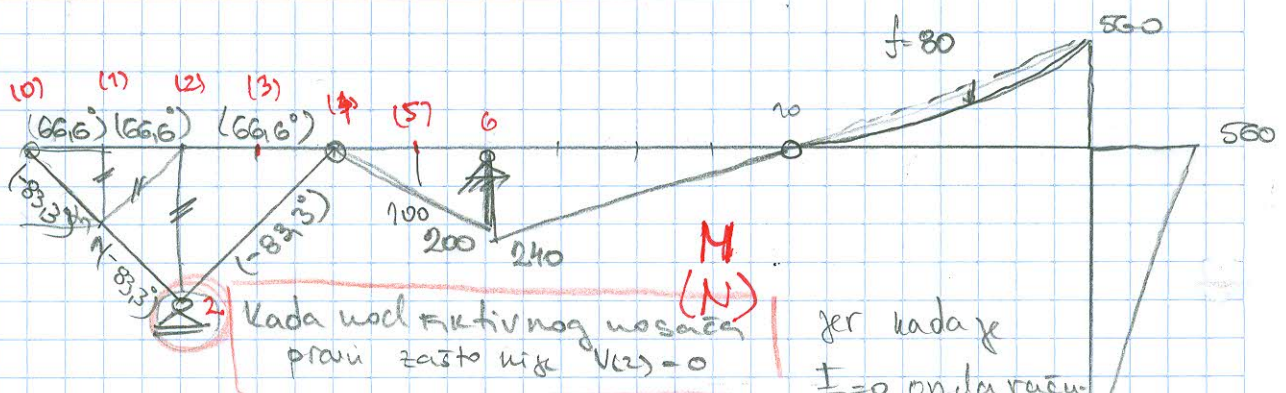
$$\sum M_d^l = 0 \quad V_a \cdot 4 - 50 \cdot 8 = 0 \quad V_a = 100$$

$$\sum M_g^e = 0 \quad V_a \cdot 16 - 50 \cdot 20 - V_b \cdot 8 + 40 = 0 \quad V_b = 80$$

$$\sum V = 0 \quad 100 - 50 - 80 - 80 + V_c = 0 \quad V_c = 110$$

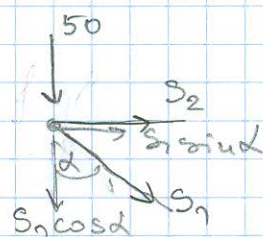
$$\sum M_g^d = 0 \quad 80 \cdot 4 - V_c \cdot 8 + H_c \cdot 8 = 0 \quad H_c = 70 \Rightarrow H_b = 70$$

$$f = \frac{gl^2}{8}$$



Kada uođ aktivnog nosača pravi zašto nije $V(2) = 0$

jer kada je $\frac{I}{F} = 0$ onda račun F nam otkriva a posto uođ prostog štapa je $\frac{I}{F} \neq 0$ onda ne gledamo



$$\tan \alpha = \frac{2}{1,5}$$

$$\cos \alpha = \frac{1,5}{2,5}$$

$$-S_1 \cos \alpha = 50$$

$$S_1 = \frac{-50}{\cos \alpha} = \frac{-50 \cdot 2,5}{1,5} = -83,3$$

$$-S_1 \sin \alpha = 83,3 \cdot \frac{2}{2,5} = 66,6$$

