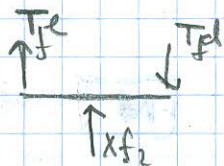


$X_{f2}$  = Transverzalna M.M. obrtanje



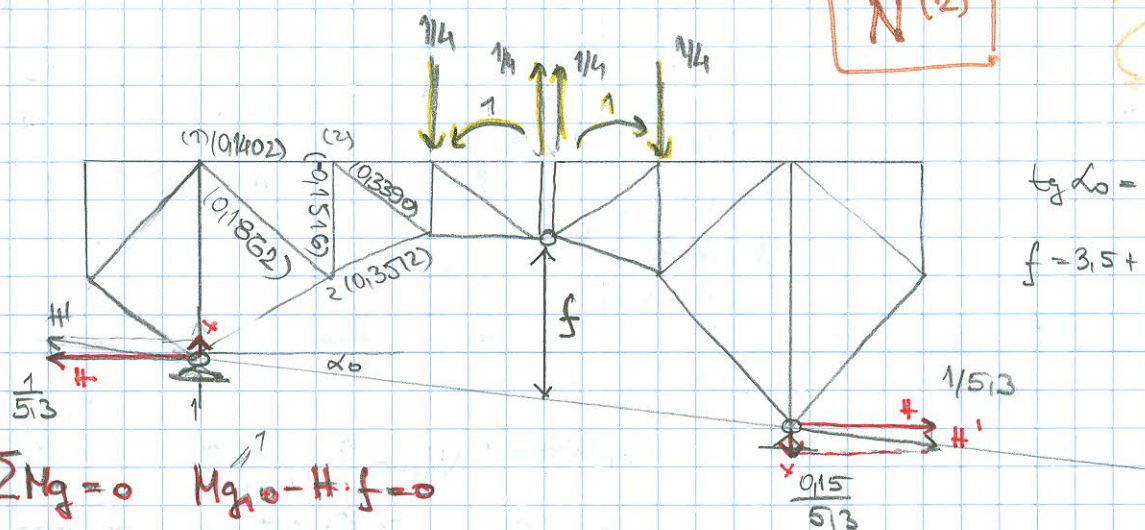
$$T_{fe} + X_{f2} - T_{fd} = 0$$

$$X_{f2} = T_{fd} - T_{fe} = e_d - e_e$$



Zasto uad  
radij u  $\Sigma$  ova  
g, ne računam  
?

$$\boxed{N(12)}$$



$$\tan \alpha_0 = \frac{3}{20}$$

$$f = 3.5 + \frac{12 \cdot 3}{20} = 5.3$$

$$\Sigma M_g = 0 \quad M_{g10} - H \cdot f = 0$$

$$1 - H \cdot f = 0 \quad H = \frac{1}{f} = \frac{1}{5.3}$$

$$V = H \cdot \tan \alpha_0 = \frac{1}{5.3} \cdot \frac{3}{20} = \frac{0.15}{5.3}$$

Radij M sa leve i desne strane

ali ne sa obe strane jer bi bilo  $\Sigma M = 0$

$$M_2 = \frac{0.15}{5.3} \cdot 4 + \frac{1}{5.3} \cdot 2 = \frac{26}{5.3}$$

$$O_2 = -\frac{26}{5.3} \cdot \frac{1}{3.5} = -0.1402$$

$$M(12) = \frac{0.15}{5.3} \cdot 4 + \frac{1}{5.3} \cdot 5.5 = \frac{6.1}{5.3}$$

$$U_3 = \frac{\sqrt{73}}{28} \cdot \frac{6.1}{5.3} = 0.3512$$

$$M_{d2} = \frac{0.15}{5.3} \cdot 11 + \frac{1}{5.3} \cdot 5.5 = \frac{7.15}{5.3}$$

$$D_2 = \frac{\sqrt{113}}{77} \cdot \frac{7.15}{5.3} = 0.1862$$

$$M_{d3} = \frac{0.15}{5.3} \cdot 13.3 + \frac{1}{5.3} \cdot 5.5 = \frac{7.5}{5.3}$$

$$D_3 = \frac{\sqrt{5}}{9.3} \cdot \frac{7.5}{5.3} = 0.3390$$

$$M_{v2} = M_{d3} = \frac{7.5}{5.3}$$

$$V_2 = -\frac{7.5}{5.3} \cdot \frac{1}{9.3} = -0.1516 \quad \text{uod J. grecka}$$

$$X_{f2}^* = \int N \bar{N}(12) ds = 4 \cdot 0.6930 \cdot 0.1402 + \sqrt{3.5^2 + 4^2} \cdot 0.1862 \cdot 0.3683 + 3.5 \cdot 0.3465 \cdot$$

$$\cdot 0.1516 + \sqrt{2^2 + 4^2} \cdot 0.3390 \cdot 0.7748 + \sqrt{1.5^2 + 4^2} \cdot 0.3512 \cdot 0.2960 = 2.5557$$

\* Ove računam H jer mi je opterećenje na dve ploče, svaka ploča mora biti u ravnoteži, a ravnotežu mi daju reakcije oslonaca.

Kada budem računao  $V_1, \dots$  nemam H jer mi je opter. u ravnoteži na jednoj ploči, dok je druga neopterećena, pa nema šta da izazove reakcije.