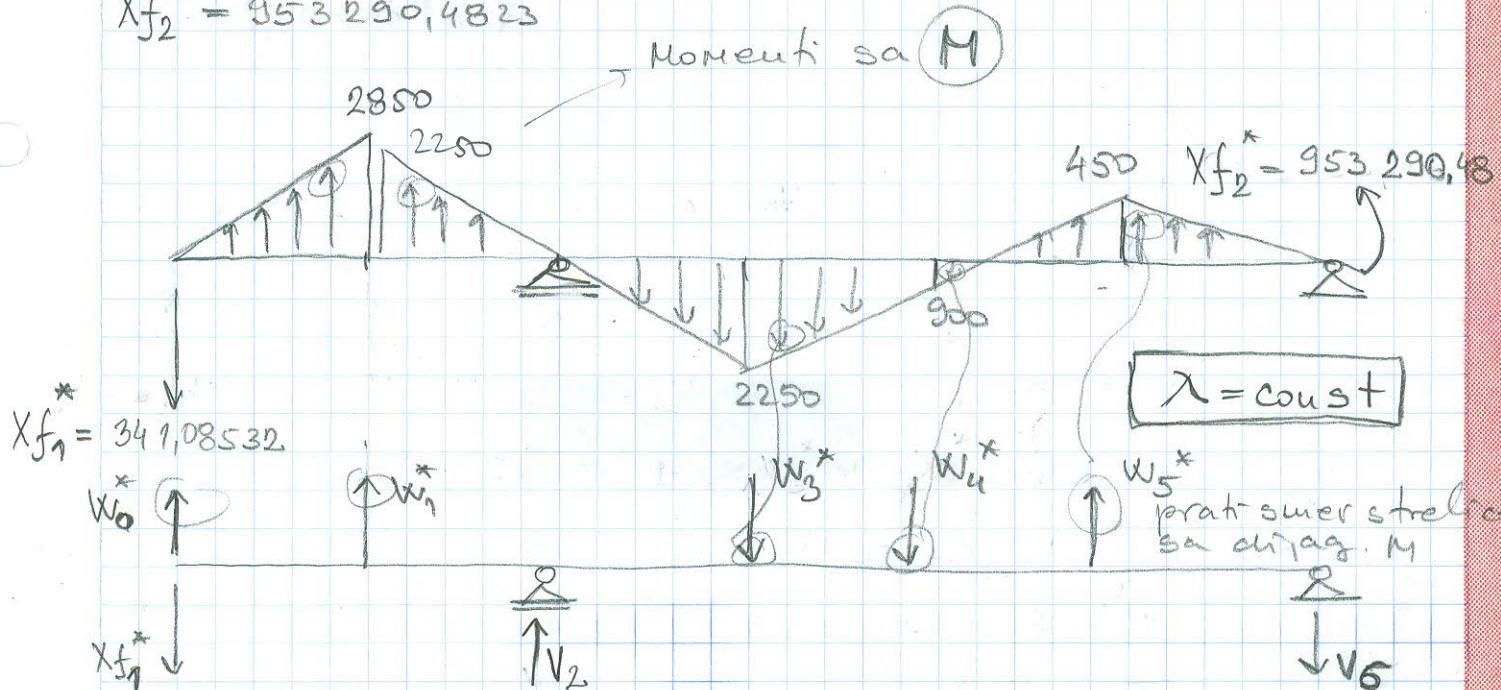


$$X_{f2} = \frac{1}{E I_c} \int M \bar{M}_2 ds = \frac{1}{E I_c} \cdot X_{f2}^*$$

$$X_{f2}^* = \frac{1}{150} \int M^2 ds = \frac{1}{150} \left[ \frac{3}{3} \cdot 2850^2 + \frac{3}{3} \cdot 2250^2 \cdot 2 + \frac{6}{6} \cdot (2250 \cdot (2250 - 2 \cdot 450)) + 450(2 \cdot 2250 - 450) + \frac{3}{3} \cdot 450^2 + \frac{4}{3} \cdot 600^2 + \frac{2}{3} \cdot 300^2 + \frac{\sqrt{40}}{3} \cdot 5100^2 + \frac{\sqrt{40}}{3} \cdot 5400^2 + 2 \cdot \frac{3}{3} \cdot 1800^2 \right] = \frac{142993572,3}{150}$$

$$X_{f2}^* = 953290,4823$$



$$W_0^* = \frac{\lambda}{6} (2W_0^* + W_1^* l) = \frac{3}{6} (2 \cdot 0 + 2850) = 1425$$

$$W_1^* = \frac{\lambda}{6} (W_0^* + 2 \cdot W_1^* l + 2 \cdot W_1^* d + W_2^* l) = \frac{3}{6} (0 + 2 \cdot 2850 + 2 \cdot 2250 + 0) = 5100$$

$$W_3^* = \frac{\lambda}{6} (W_2^* + 2 \cdot W_3^* d + 2 \cdot W_3^* l + W_4^* l) = \frac{3}{6} (0 + 2 \cdot 2250 + 2 \cdot 2250 + 900) = 4950$$

$$W_4^* = \frac{3}{6} (2250 + 2 \cdot 900 + 2 \cdot 900 - 450) = 2700$$

$$W_5^* = \frac{3}{6} (-900 + 2 \cdot 450 + 2 \cdot 450 + 0) = 450$$

1083,9

1425

341,0852

$\sum M_6 = 0$

$953290,48 - 450 \cdot 3 + 2700 \cdot 6 + 4950 \cdot 9 - V_2 \cdot 12 - 5100 \cdot 15 - (1425 - 341,0852) \cdot 15 = 0$

$V_2 = 76390,1$

$\sum V = 0$

$V_6 = 75373,9148$

502396

727168,5

953290,48

zare ovo nije M

ili virtualno pomeranje

V.20

zare ovo

3257,74

21803,48

269525,73

953290,48