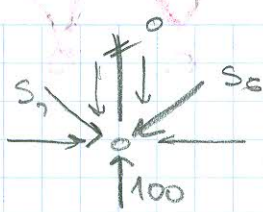


$$\operatorname{tg} \alpha_1 = \operatorname{tg} \alpha_2 = \frac{1.5}{2} = \frac{3}{4}$$



STAPOVI su mali 225.



$$\sum M_{A1} = 0 \quad -50 \cdot 2 - 111 \cdot h_1 \cdot \cos \alpha_1 = 0 \Rightarrow U_1 = \frac{-100}{11 \cos \alpha_1}$$

$$\sum M_1 = 0 \quad -50 \cdot 2 + 0_1 \cdot h_1 = 0 \quad \alpha_1 = 66.6^\circ$$

$$= \frac{-100}{11.5 \cdot 0.8} = -8.7$$

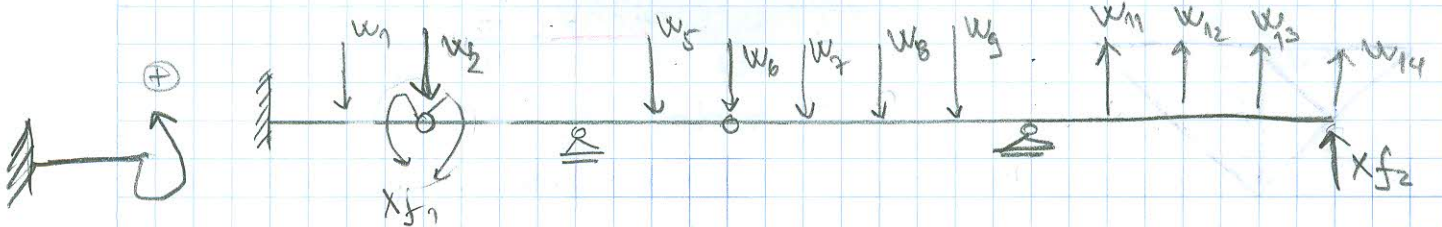
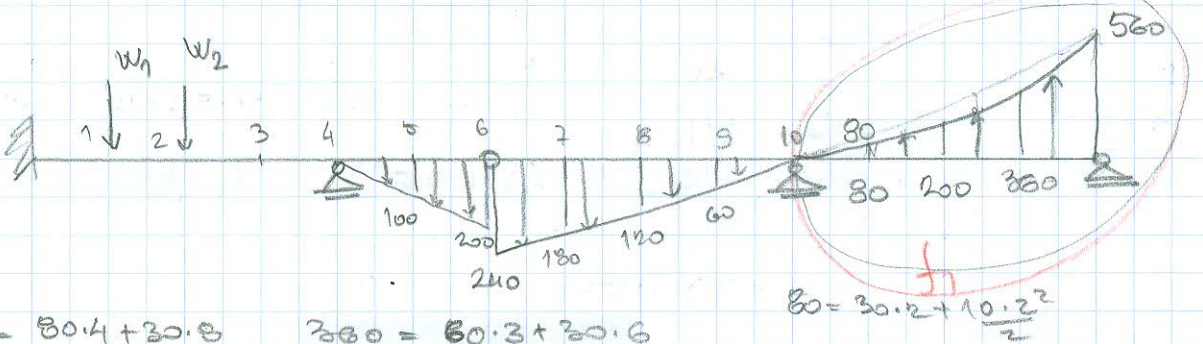
$$\begin{aligned} U_0 &\neq 0 \\ V_0 &\neq 0 \\ T_0 &\neq 0 \\ M_0 &\neq 0 \end{aligned}$$

$$\begin{aligned} U_L + U_R &\neq 0 \\ V_L + V_R &\neq 0 \\ T_L + T_R &\neq 0 \\ M_L + M_R &\neq 0 \end{aligned}$$

$$\begin{aligned} V_0 &= 0 \\ U_L + U_R &\neq 0 \\ M_0 &= 0 \\ T_L + T_R &\neq 0 \end{aligned}$$

$$\begin{aligned} V_{10} + V_{10} &\neq 0 \\ U_{10} + U_{10} &\neq 0 \\ M_{10} + M_{10} &\neq 0 \\ T_{10} + T_{10} &\neq 0 \end{aligned}$$

$$\begin{aligned} V_{14} &= 0 \\ U_{14} &\neq 0 \\ M_{14} &= 0 \\ T_{14} &\neq 0 \end{aligned}$$



$X_{f1}$  - udata stavim  $P_n$  pošto imamo samo  $V_2$  brće  $V_2 = 1$  i to je desno od njega

$$\uparrow T_f^L \quad \downarrow T_f^R \quad T_f^L - T_f^R - w = 0$$

$$w = T_f^L - T_f^R$$

$$W_5 = \frac{2}{6} (p_4 + 2p_5^L + 2p_5^R + p_6) = \frac{2}{6} (0 + 4 \cdot 100 + 200) = 200$$

$$W_6 = \frac{2}{6} (100 + 2 \cdot 200 + 2 \cdot 240 + 180) = 386.6^\circ$$

$$W_7 = \frac{2}{6} (240 + 4 \cdot 180 + 120) = 360 \quad W_8 = \frac{2}{6} (180 + 4 \cdot 120 + 60) = 240$$

$$W_9 = \frac{2}{6} (120 + 4 \cdot 60 + 0) = 120$$

$$W_{11} = \frac{2}{12} (p_{n-1} + 10p_n + p_{n+1}) = \frac{2}{12} (0 + 10 \cdot 80 + 200) = 166.6^\circ$$

$$W_{12} = \frac{2}{12} (80 + 10 \cdot 200 + 360) = 406.6^\circ \quad X_{13} = \frac{2}{12} (200 + 10 \cdot 360 + 560) = 726.6^\circ$$

$$W_{14} = \frac{2}{24} (7p_n + 6p_{n-1} - p_{n-2}) = \frac{2}{24} (7 \cdot 560 + 6 \cdot 360 - 200) = 490$$