

$$D_5 = \dots \quad \sum M_5 = 0$$

$$M_{5,0} + 0.5 \cdot h_5 + D_5 \cdot \cos \gamma_5 \cdot h_5 - H y_5 = 0$$

$$D_5 = \frac{1}{\cos \gamma_5} \left(-\frac{M_{5,0}}{h_5} - 0.5 + H \frac{y_5}{h_5} \right)$$

$$O_5 = \dots \quad \sum M_4 = 0$$

$$M_{4,0} + O_5 \cdot h_4 - H y_4 = 0 \quad O_5 = -\frac{M_{4,0}}{h_4} + H \frac{y_4}{h_4}$$

$$D_5 = \frac{1}{\cos \gamma_5} \left(-\frac{M_{5,0}}{h_5} + \frac{M_{4,0}}{h_4} - H \frac{y_4}{h_4} + H \frac{y_5}{h_5} \right)$$

$$\tan \gamma_5 = \frac{h_4}{4} = \frac{5.5}{4} = \frac{11}{8} \quad h_5 = 6 \quad y_5 = 4 + 4 \cdot \frac{1}{22} = 4.18$$

$$\cos \gamma_5 = \frac{8}{\sqrt{185}}$$

$$D_5 = \frac{\sqrt{185}}{8} \left(-\frac{M_{5,0}}{6} + \frac{M_{4,0}}{5.5} - H \left(\frac{4.18}{5.5} - \frac{4.18}{6} \right) \right)$$

$$= -\frac{\sqrt{185}}{48} M_{5,0} + \frac{\sqrt{185}}{44} M_{4,0} + 0.31849 H$$

$$D_{5,0}^{(A)} = -\frac{\sqrt{185}}{48} \cdot 40 + \frac{\sqrt{185}}{44} \cdot 36 = -0.20608 \quad + 0.31849 H^{(A)} = +7.0068$$

$$D_{5,0}^{(B)} = -\frac{\sqrt{185}}{48} \cdot 4 + \frac{\sqrt{185}}{44} \cdot 8 = 1.33954 \quad 0.31849 H^{(B)} = -7.0068$$

$$O_6 = \dots \quad \sum M_5 = 0$$

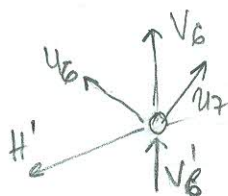
$$M_{5,0} + O_6 \cdot h_5 - H y_5 = 0$$

$$O_6 = -\frac{M_{5,0}}{h_5} + H \frac{y_5}{h_5}$$

$$O_6 = -\frac{M_{5,0}}{6} + 0.169 H$$

$$O_{6,0}^{(A)} = -\frac{40}{6} = -6.6^\circ \quad 0.169 H^{(A)} = -15.3^\circ$$

$$O_{6,0}^{(B)} = -\frac{4}{6} = -0.6^\circ \quad 0.169 H^{(B)} = 15.3^\circ$$



$$\sum V = 0 \quad V_6 + V_6' - H \cdot \tan \alpha_0 + U_6 \sin \beta_6 + U_7 \sin \beta_7 = 0$$

$$V_6 = -V_6' - U_6 \sin \beta_6 - U_7 \sin \beta_7 + H \tan \alpha_0$$