$$D_4 = \frac{1}{\cos\gamma_4}\left(\frac{M_{4,0}}{h_4} - \frac{M_{3,0}}{h_3} + H\left(\frac{y_3}{h_3} - \frac{y_4}{h_4}\right)\right)$$

$D_4 = ?$

① NAČIN: $T(3) - D_4 \cdot \sin\gamma_4 = 0$ $\quad \sin\gamma_4 = \frac{1}{\sqrt{2}}$

$T(3),0 - H \cdot tg\alpha_0 - D_4 \sin\gamma_4 = 0$

$D_4 = \frac{1}{\sin\gamma_4}\left(T(3),0 + H\,tg\alpha_0\right)$

$D_4 = \sqrt{2}\left(T(3),0 + \frac{1}{8}H\right)$

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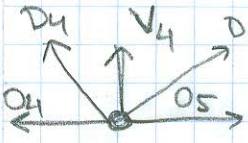
② NAČIN $\quad O_4 - O_5$



$V_4 + D_4 \cdot \sin\gamma_4 + D_5 \sin\gamma_5 = 0$ $\quad \sin\gamma_4 = \sin\gamma_5 = \frac{1}{\sqrt{2}}$

$V_4 = -\sin\gamma_4\left(D_4 + D_5\right)$

$D_4 = \ldots$ $\quad \Sigma M_3 = 0$ ↷

$M_{3,0} + O_4 \cdot h_3 + D_4 \cdot \cos\gamma_4 \cdot h_3 - H \cdot y_3 = 0$

$D_4 = \frac{1}{\cos\gamma_4}\left(-\frac{M_{3,0}}{h_3} + \frac{Hy_3}{h_3} - O_4\frac{h_3}{h_3}\right)$

$O_4 =$ $\quad \Sigma M_4 = 0$ ↷ $M_{4,0} + O_4 \cdot h_4 - H \cdot y_4 = 0$

$O_4 = -\frac{M_{4,0}}{h_4} + H\frac{y_4}{h_4}$ $\quad y_4 = 5 + \frac{15}{8}$

$D_4 = \frac{1}{\cos\gamma_4}\left(-\frac{M_{3,0}}{h_3} + \frac{M_{4,0}}{h_4} + H\left(\frac{y_3}{h_3} - \frac{y_4}{h_4}\right)\right)$

$D_4 = \sqrt{2}\left(\frac{1}{5}\left(M_{4,0} - M_{3,0}\right) + \frac{1}{5}H\left(\frac{50}{8} - \frac{55}{8}\right)\right)$

$= \sqrt{2}\left(\frac{1}{5}\left(M_{4,0} - M_{3,0}\right) - \frac{1}{8}H\right)$

$D_m = \frac{1}{\cos\gamma_m}\left(\frac{M_{m-1,0}}{h_{m-1}} - \frac{M_{m,0}}{h_m} - H\left(\frac{y_{m-1}}{h_{m-1}} - \frac{y_m}{h_m}\right)\right.$

$D_5 = \ldots$ $\quad \Sigma M_{(4)} = 0$

$M_{(4),0} - D_5 \cdot \cos\gamma_5 \cdot h_4 - U_5 \cdot h_4 - H \cdot y_{(4)} = 0$

$D_5 = \frac{1}{\cos\gamma_5}\left(\frac{M_{(4),0}}{h_4} - U_5 - H\frac{y_{(4)}}{h_4}\right)$

$U_5 = \ldots$ $\quad \Sigma M_{(5)} = 0$

↷ $M_{(5),0} - U_5 \cdot h_5 - H \cdot y_{(5)} = 0$

$U_5 = \frac{M_{(5),0}}{h_5} - H\frac{y_{(5)}}{h_5}$