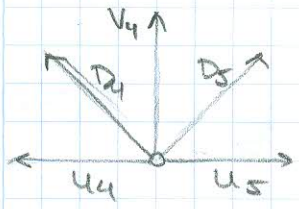
2) $V_4 = \dots$ $\quad \Sigma V = 0 \quad V_4 + \sin\gamma_4 D_4 + \sin\gamma_5 D_5 = 0$



$$V_4 = -D_4 \cdot \sin\gamma_4 - D_5 \sin\gamma_5$$

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

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

(Mogu da koristim kao gotovu formulu kada je $\Rightarrow$ ravna rešetka)

$y_3 = 5 + 10 \cdot \operatorname{tg}\alpha_0 = 5 + \frac{10}{8} = \frac{50}{8}$ $\qquad h_3 = h_4 = h_5 = 5$

$y_4 = 5 + 15 \operatorname{tg}\alpha_0 = 5 + \frac{15}{8} = \frac{55}{8}$

$y_5 = 5 + 20 \operatorname{tg}\alpha_0 = \frac{60}{8}$

$$V_4 = -\cancel{\operatorname{tg}\gamma_4}^{\to 1}\cdot\left(\frac{M_{4,0}}{5} - \frac{1}{5}M_{3,0} + H\left(\frac{\overset{10}{\cancel{50}}}{8}\cdot\frac{1}{5} - \frac{\overset{11}{\cancel{55}}}{8}\cdot\frac{1}{5}\right)\right)$$
$$- \cancel{\operatorname{tg}\gamma_5}^{\to 1}\left(-\frac{M_{5,0}}{5} + \frac{1}{5}M_{4,0} - H\left(\frac{\overset{11}{\cancel{55}}}{8}\cdot\frac{1}{5} - \frac{\overset{12}{\cancel{60}}}{8}\cdot\frac{1}{5}\right)\right) =$$
$$= -\frac{1}{5}M_{4,0} + \frac{1}{5}M_{3,0} + \frac{1}{8}H + \frac{1}{5}M_{5,0} - \frac{1}{5}M_{4,0} - \frac{1}{8}H$$

$$\boxed{V_4 = \frac{1}{5}\left(M_{3,0} - 2M_{4,0} + M_{5,0}\right)}$$

3) $O_8 = \dots \quad \Leftarrow \quad \Sigma M_7 = 0$

$\Sigma M_7 = 0 \quad M_{7,0} - H \cdot y_7 + O_8 \cdot \cos\alpha_8 \cdot h_7 = 0$

$$O_8 = \frac{1}{\cos\alpha_8}\left(-\frac{M_{7,0}}{h_7} + H\cdot\frac{y_7}{h_7}\right)$$

$\operatorname{tg}\alpha_8 = \frac{5}{25} = \frac{1}{5} \qquad \cos\alpha_8 = \frac{5}{\sqrt{26}}$

$y_7 = 10 - 5\cdot\operatorname{tg}\beta_7 - 10\cdot\operatorname{tg}\alpha_0 = 10 - 5\cdot\frac{5}{10_2} - \overset{5}{\cancel{10}}\cdot\frac{1}{\cancel{8}_4} = 6{,}25$

$h_7 = y_{(7)} - y_7$

$y_{(7)} = 15 - 10\cdot\operatorname{tg}\alpha_8 - 10\cdot\operatorname{tg}\alpha_0 = 15 - \overset{2}{\cancel{10}}\cdot\frac{1}{5} - 10\cdot\frac{1}{8} = 11{,}75$

$h_7 = 11{,}75 - 6{,}25 = 5{,}5\ m$

$$O_8 = \frac{\sqrt{26}}{5}\left(-\frac{M_{7,0}}{5{,}5} + H\cdot\frac{6{,}25}{5{,}5}\right) = -\frac{\sqrt{26}}{27{,}5}M_{7,0} + \frac{6{,}25\sqrt{26}}{27{,}5}H$$