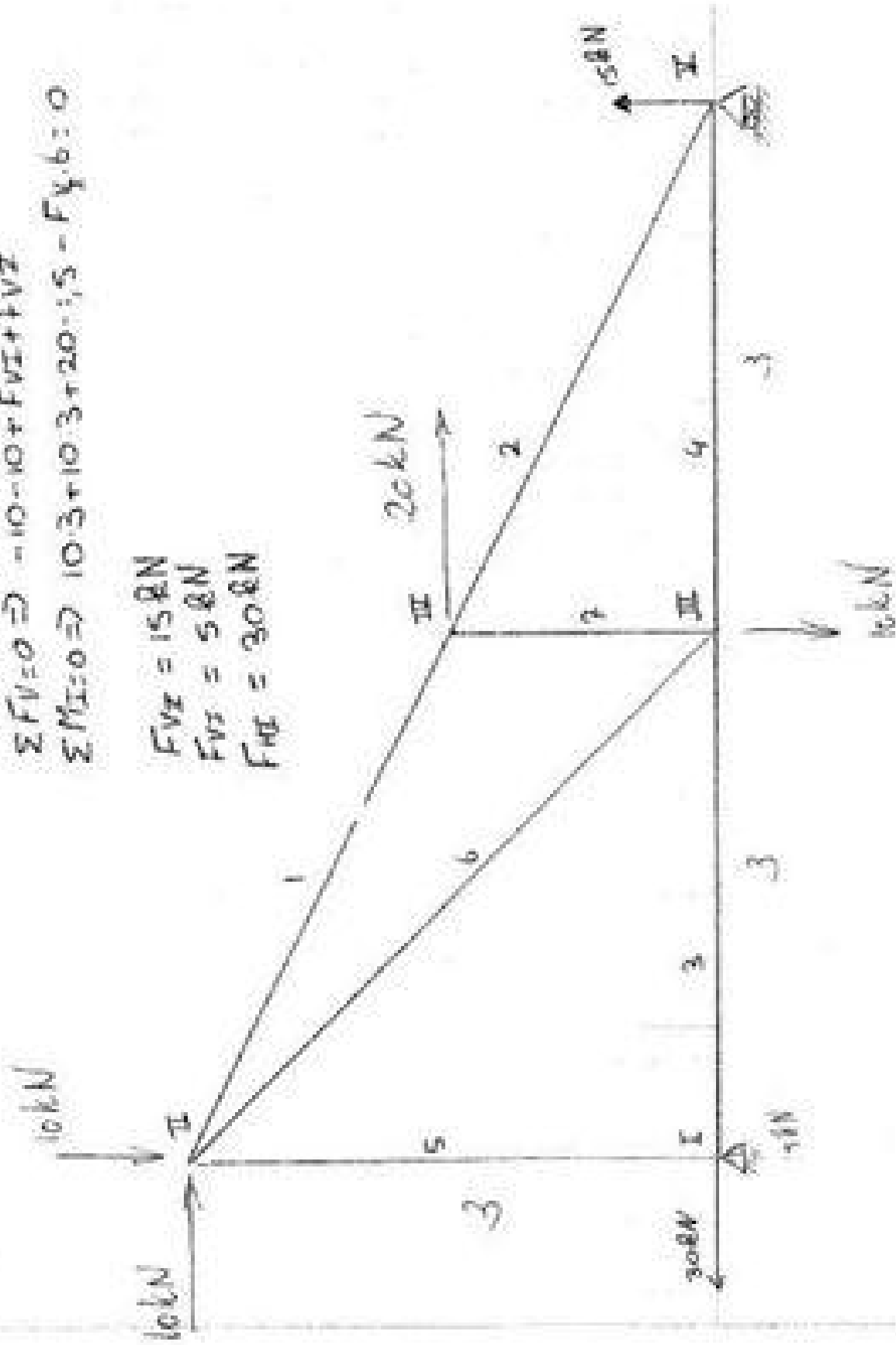


$$\begin{aligned}\sum F_H = 0 &\Rightarrow 10 + 20 - F_{HI} = 0 \\ \sum F_V = 0 &\Rightarrow -10 - 10 + F_{VI} + F_{VZ} \\ \sum M_I = 0 &\Rightarrow 10 \cdot 3 + 10 \cdot 3 + 20 \cdot 1.5 - F_{VZ} \cdot 6 = 0\end{aligned}$$

$$\begin{aligned}F_{VZ} &= 15 \text{ kN} \\ F_{VZ} &= 5 \text{ kN} \\ F_{HI} &= 30 \text{ kN}\end{aligned}$$



Cremona - diagram

