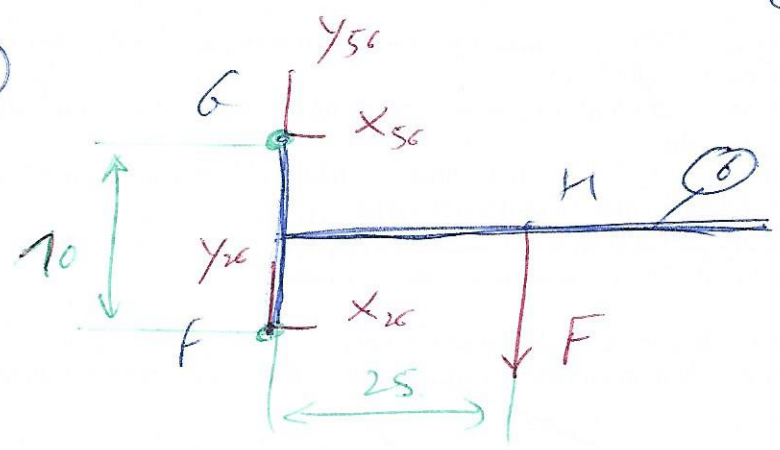


①

TD Escalator (Gauge)

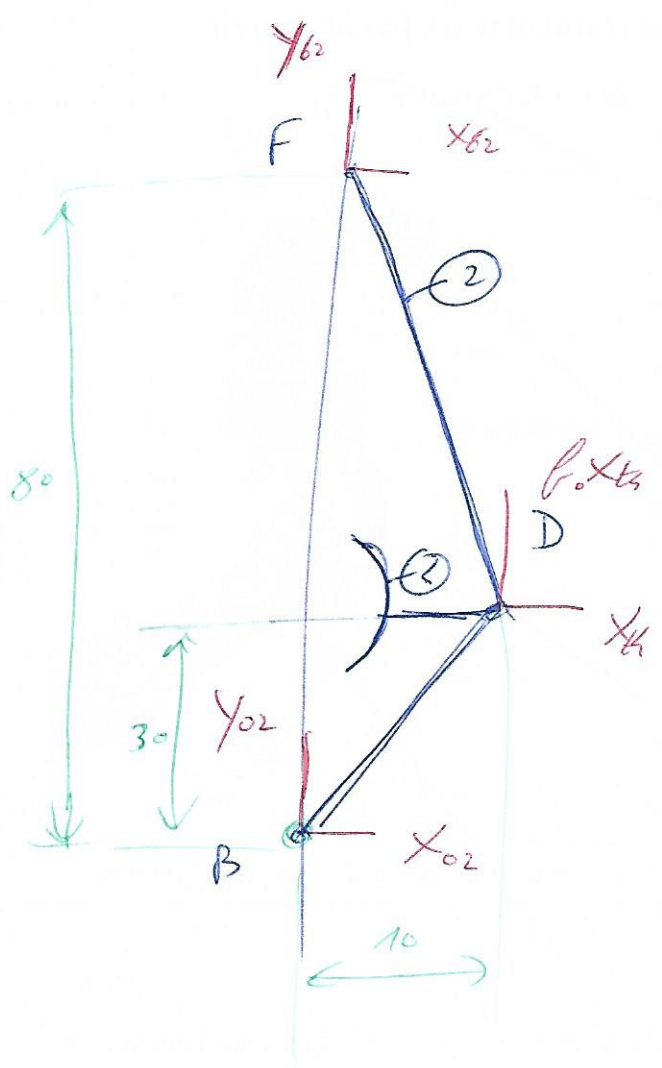
Q1



(on isolé 6)

$$\sum \vec{\pi}(G) = 0 \Rightarrow 10 x_{26} - 25 F = 0$$

$$\Rightarrow x_{26} = 2,5 F$$



$$\sum \vec{\pi}(B) = 0$$

$$-80 \cdot x_{62} - 30 \cdot x_{44} + 10 \cdot y_{44} = 0$$

$$+ 80 \times 2,5 F - 26 x_{44} = 0$$

$$200 F - 26 x_{44} = 0$$

$$\frac{x_{44}}{F} = \frac{100}{13}$$

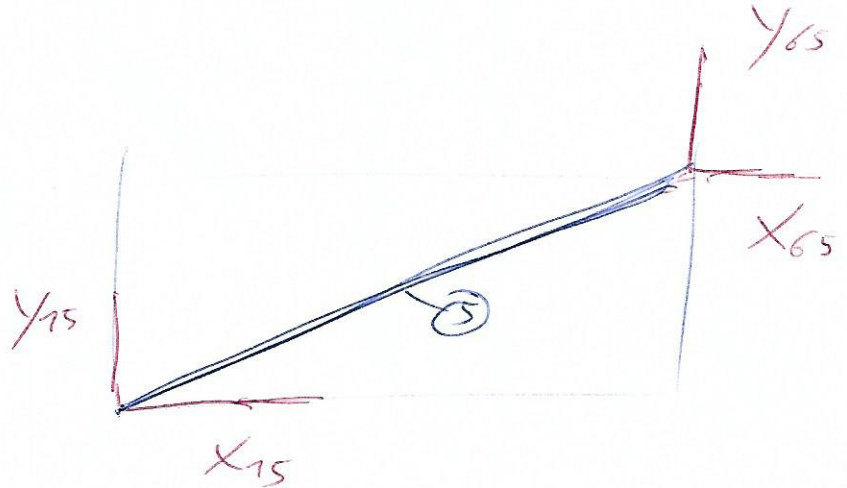
(on isolé 2+5)

② (QA) On node C (von Schema Q1).

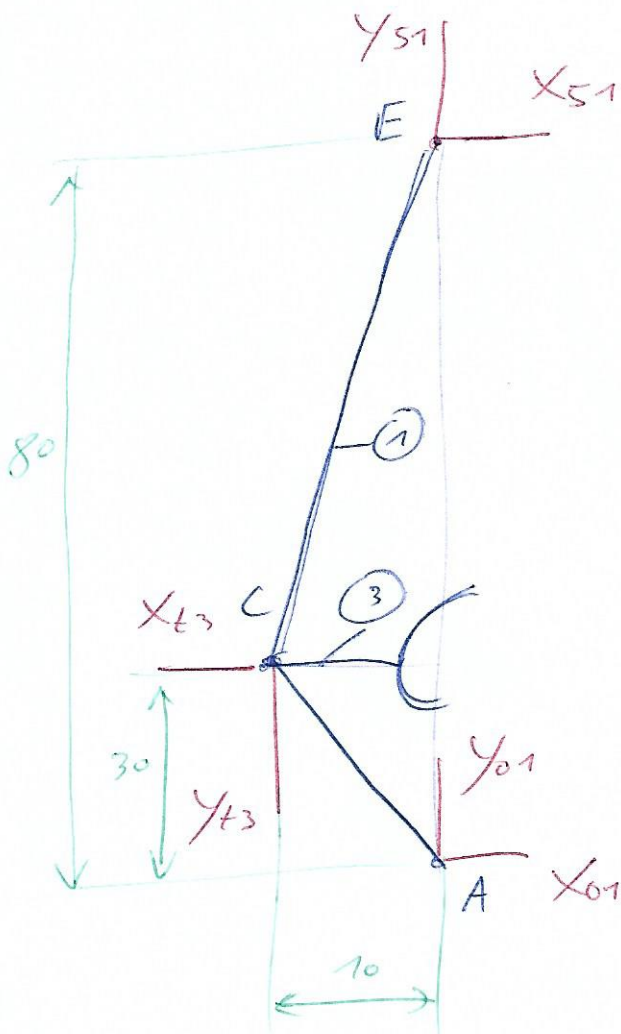
$$\sum \vec{n}(F) = \vec{0} \Rightarrow -25F - 10x_{56} = 0$$

$$x_{56} = 2,5 \cdot F$$

On node S



On node 1+3



$$\sum \vec{n}(A) = \vec{0} \quad 0,5$$

$$-80x_{51} + 30x_{13} + 70 \cdot x_{13} = 0$$

$$-80 \times 2,5F + 35 \cdot x_{13} = 0$$

$$\frac{x_{13}}{F} = \frac{100}{17}$$

②  $C_{\text{min}} = -f(x_{t3} + x_{t3}) \times 35$

