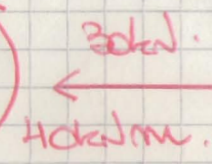
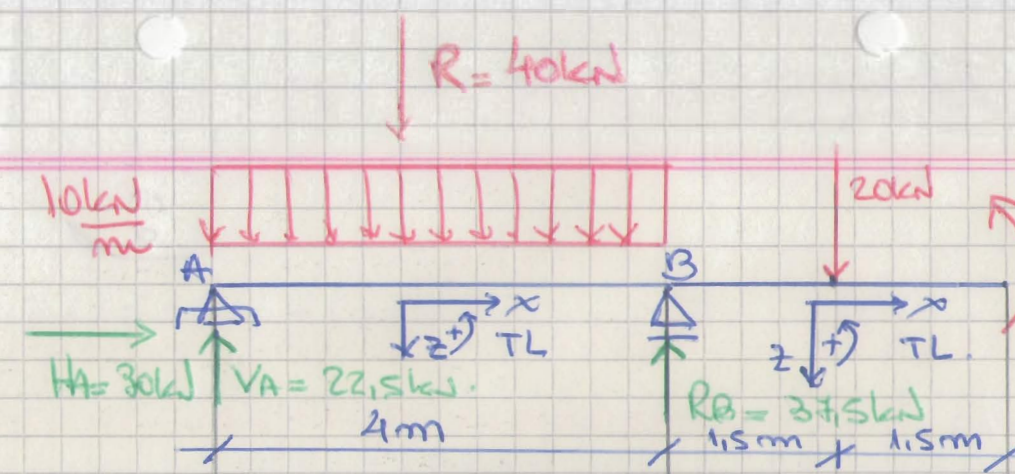


# VIGA SIMPLE



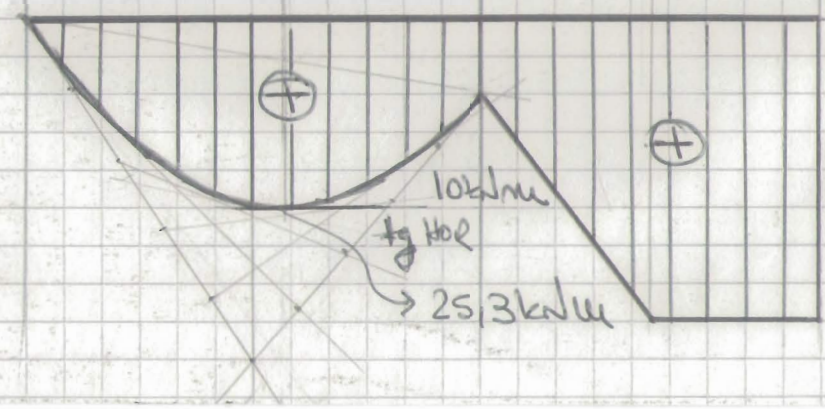
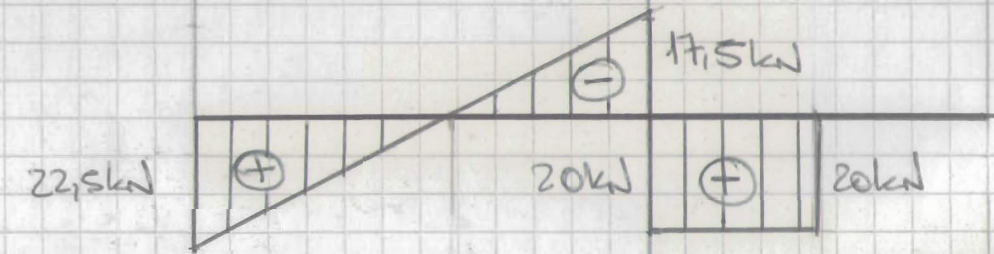
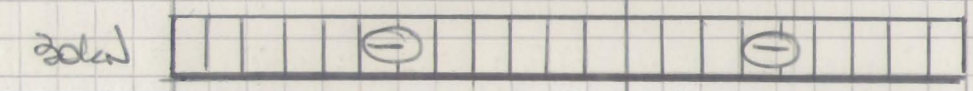
$$\sum M_A = -40 \text{ kN} \cdot 2 \text{ m} + R_B \cdot 4 \text{ m} - 20 \text{ kN} \cdot 5.5 \text{ m} + 40 \text{ kNm} = 0$$

$$R_B = 37.5 \text{ kN}$$

$$\sum F_H = H_A - 30 \text{ kN} = 0 \quad [H_A = 30 \text{ kN}]$$

$$\sum F_V = -V_A + 40 \text{ kN} + 20 \text{ kN} - 37.5 \text{ kN} = 0$$

$$V_A = 22.5 \text{ kN}$$



40 kNm