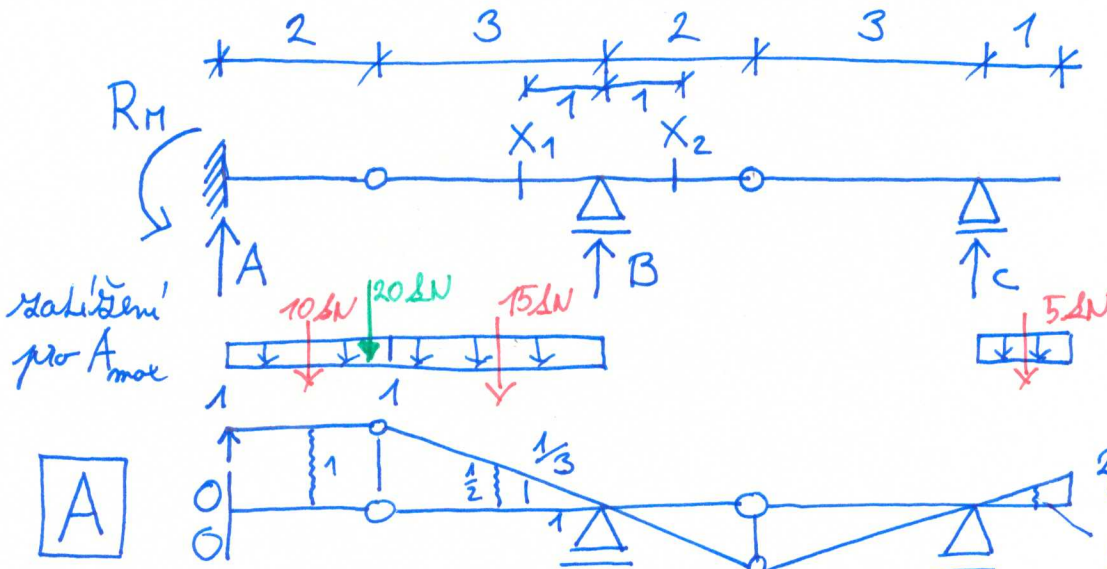


$$F = 20 \text{ kN}$$

$$g = 5 \text{ kN/m}$$

Výsledek:

A_{max} ; $R_{H, min}$;
 $V_{x1, max}$; $M_{x2, min}$.



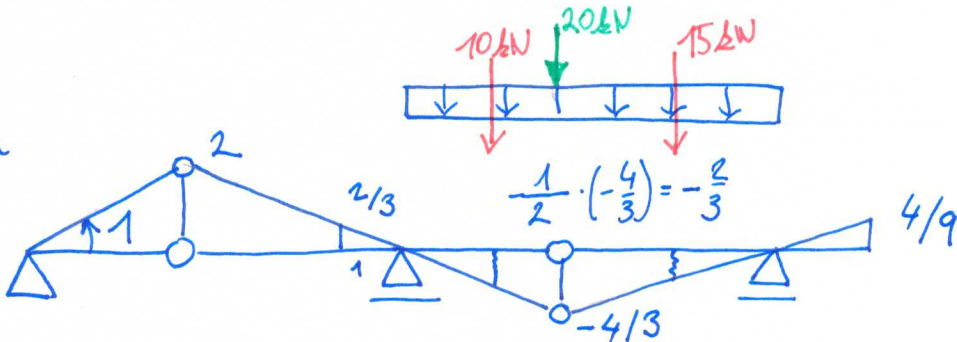
stabilizace
pro A_{max}

A

$$A_{max} = 20 \cdot 1 + 10 \cdot 1 + 15 \cdot \frac{1}{2} + 5 \cdot \frac{1}{2} \cdot \frac{2}{9} = \underline{\underline{38,05 \text{ kN}}}$$

stabilizace
pro $R_{H, min}$

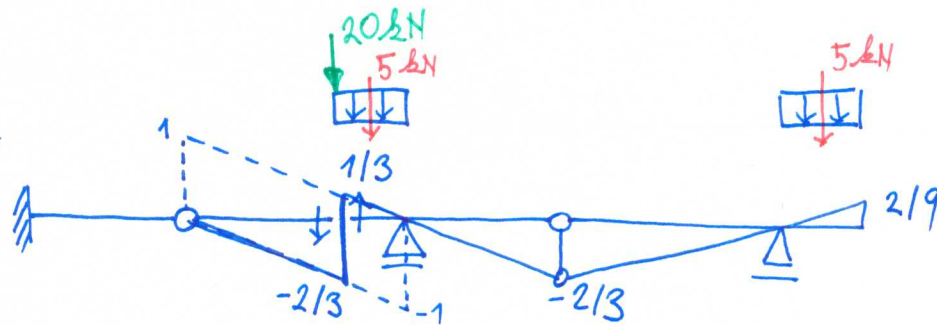
R_H



$$R_{H, min} = 20 \cdot \left(-\frac{4}{3}\right) + 10 \cdot \left(-\frac{2}{3}\right) + 15 \cdot \left(-\frac{2}{3}\right) = \underline{\underline{-43,3 \text{ kNm}}}$$

stabilizace
pro $V_{x1, max}$

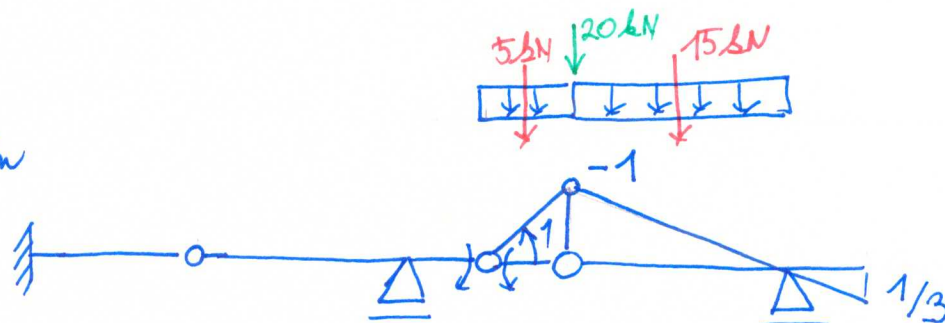
V_{x1}



$$V_{x1, max} = 20 \cdot \frac{1}{3} + 5 \cdot \frac{1}{2} \cdot \frac{1}{3} + 5 \cdot \frac{1}{2} \cdot \frac{2}{9} = \underline{\underline{8,05 \text{ kN}}}$$

stabilizace
pro $M_{x2, min}$

M_{x2}



$$M_{x2, min} = 20 \cdot (-1) + 5 \cdot \left(-\frac{1}{2}\right) + 15 \cdot \left(-\frac{1}{2}\right) = \underline{\underline{-30 \text{ kNm}}}$$