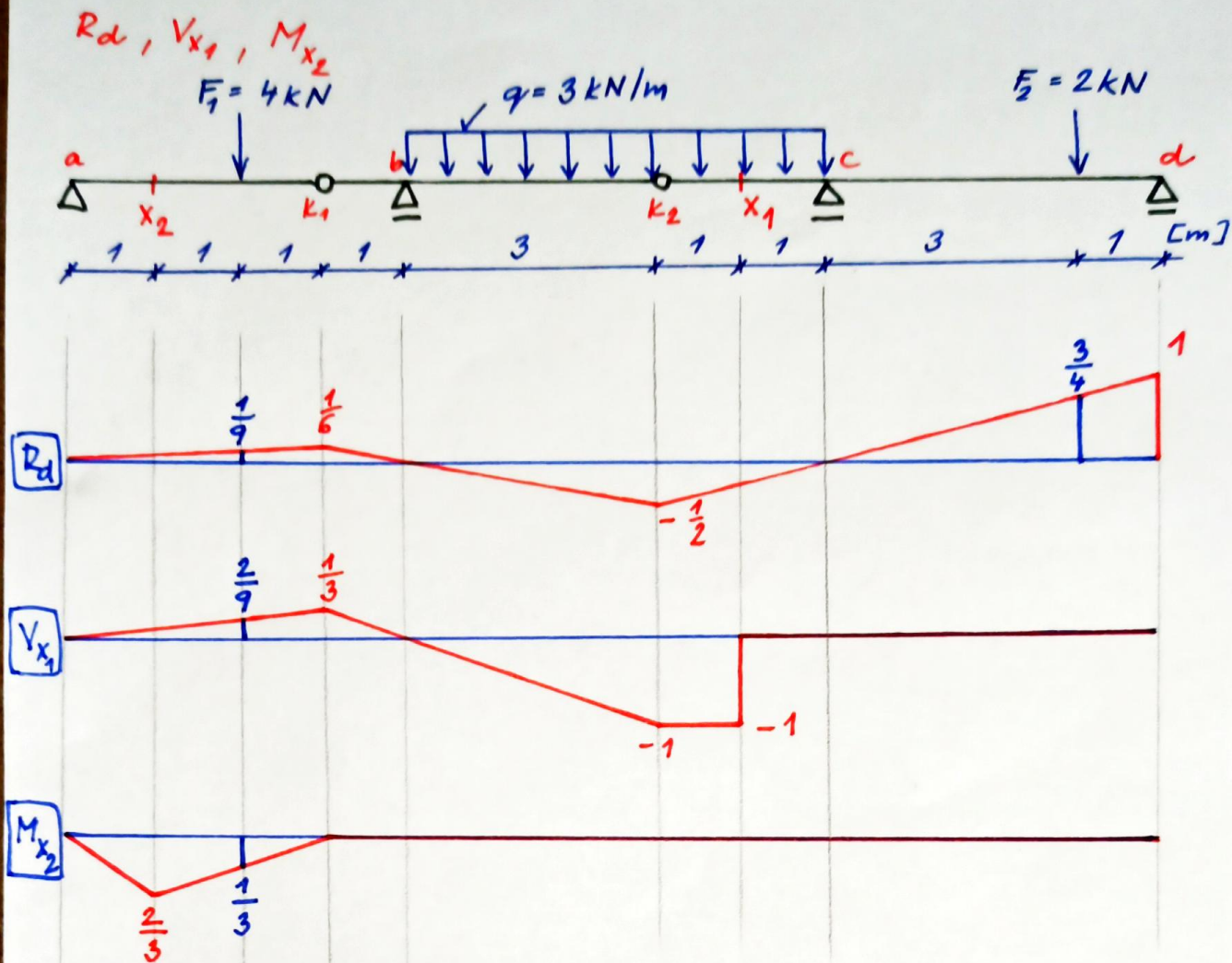


JMÉNO:



$$\underline{\underline{R_d}} = F_1 \cdot \eta_1 + F_2 \cdot \eta_2 + q \cdot A_{bc} =$$

$$= 4 \cdot \frac{1}{9} + 2 \cdot \frac{3}{4} + 3 \cdot \left(\frac{1}{2} \cdot 3 \cdot \left(-\frac{1}{2}\right) + \frac{1}{2} \cdot 2 \cdot \left(-\frac{1}{2}\right) \right) = \frac{-65}{36} = \underline{\underline{-1.805 \text{ kN}}}$$

$$\underline{\underline{V_{x_1}}} = F_1 \cdot \eta_1 + q \cdot A_{bc} + F_2 \cdot \eta_2 = 4 \cdot \frac{2}{9} + 3 \cdot \left(\frac{1}{2} \cdot 3 \cdot (-1) + 1 \cdot (-1) \right) + 2 \cdot \phi =$$

$$= \frac{-119}{18} = \underline{\underline{-6.61 \text{ kN}}}$$

$$\underline{\underline{M_{x_2}}} = +F_1 \cdot \eta_1 + q \cdot A_{bc} + F_2 \cdot \eta_2 = 4 \cdot \frac{1}{3} + 3 \cdot \phi + 2 \cdot \phi = \frac{4}{3} = \underline{\underline{1.33 \text{ kNm}}}$$