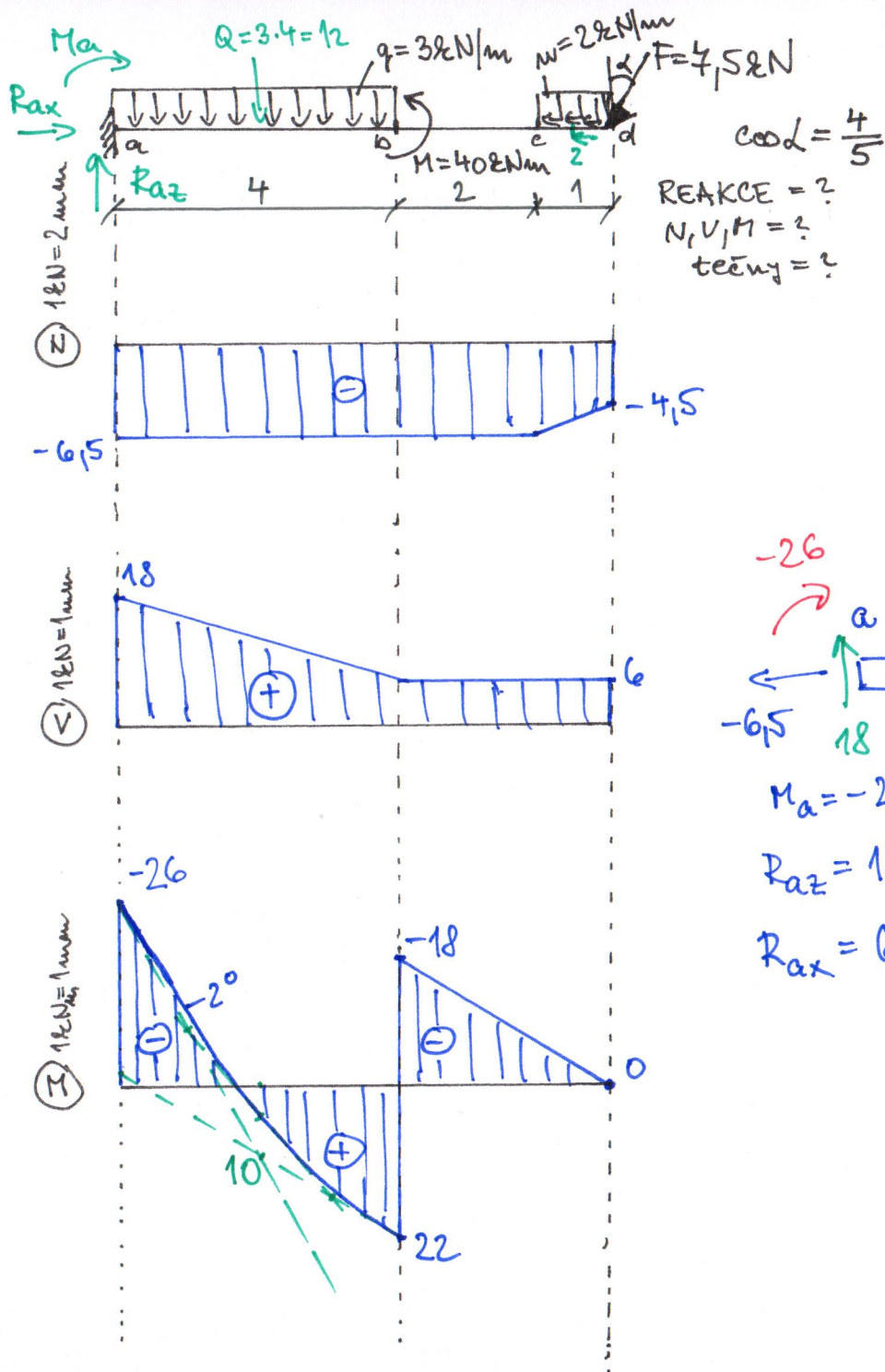




JMENO:

$$F_z = F \cos \alpha = 7,5 \cdot \frac{4}{5} = 6 \text{ kN}$$

$$F_x = F \cdot \sin \alpha = 7,5 \cdot \frac{3}{5} = 4,5 \text{ kN}$$

$$\sum F_{ix} = 0$$

$$R_{ax} - 3 \cdot 1 - 4,5 = 0$$

$$R_{ax} = \underline{6,5 \text{ kN}}$$

$$\sum F_{iz} = 0$$

$$R_{az} - Q - F_z = 0$$

$$R_{az} = \underline{18 \text{ kN}}$$

$$\sum M_{ai} = 0$$

$$M_a + Q \cdot 2 - M + F_z \cdot 7 = 0$$

$$M_a = \underline{-26 \text{ kNm}}$$

$$\sum M_{bi} = 0$$

$$R_{az} \cdot 4 + M_a - Q \cdot 2 - M + F_z \cdot 3 = 0$$

$$\underline{0 = 0 \text{ V}}$$