

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

$$2m \quad R_{bx} - 2 = 0$$

$$\underline{R_{bx} = 2kN}$$

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

$$2m \quad R_{az} + R_{bz} - 10 \cdot 5/2 = 0$$

$$\underline{R_{az} + R_{bz} = 25kN} \quad \checkmark$$

$$\sum M_{ia}^P = 0;$$

$$0 = -2 \cdot 2 - 10 \cdot 5/2 \cdot \frac{2}{3} \cdot 5 + R_{bz} \cdot 5 + R_{bx} \cdot 2$$

$$\underline{R_{bz} = 17,467kN}$$

$$\sum M_{ib}^L = 0$$

$$R_{az} \cdot 5 + 2 \cdot 2 - 10 \cdot 5/2 \cdot \frac{1}{3} \cdot 5 = 0$$

$$\underline{R_{az} = 7,533kN}$$

X:

$$7,533 - q \cdot \frac{x}{2} \cdot \frac{1}{2} = 0$$

$$7,533 - 10 \cdot \frac{x}{5} \cdot \frac{1}{2} = 0$$

$$7,533 - x^2 = 0$$

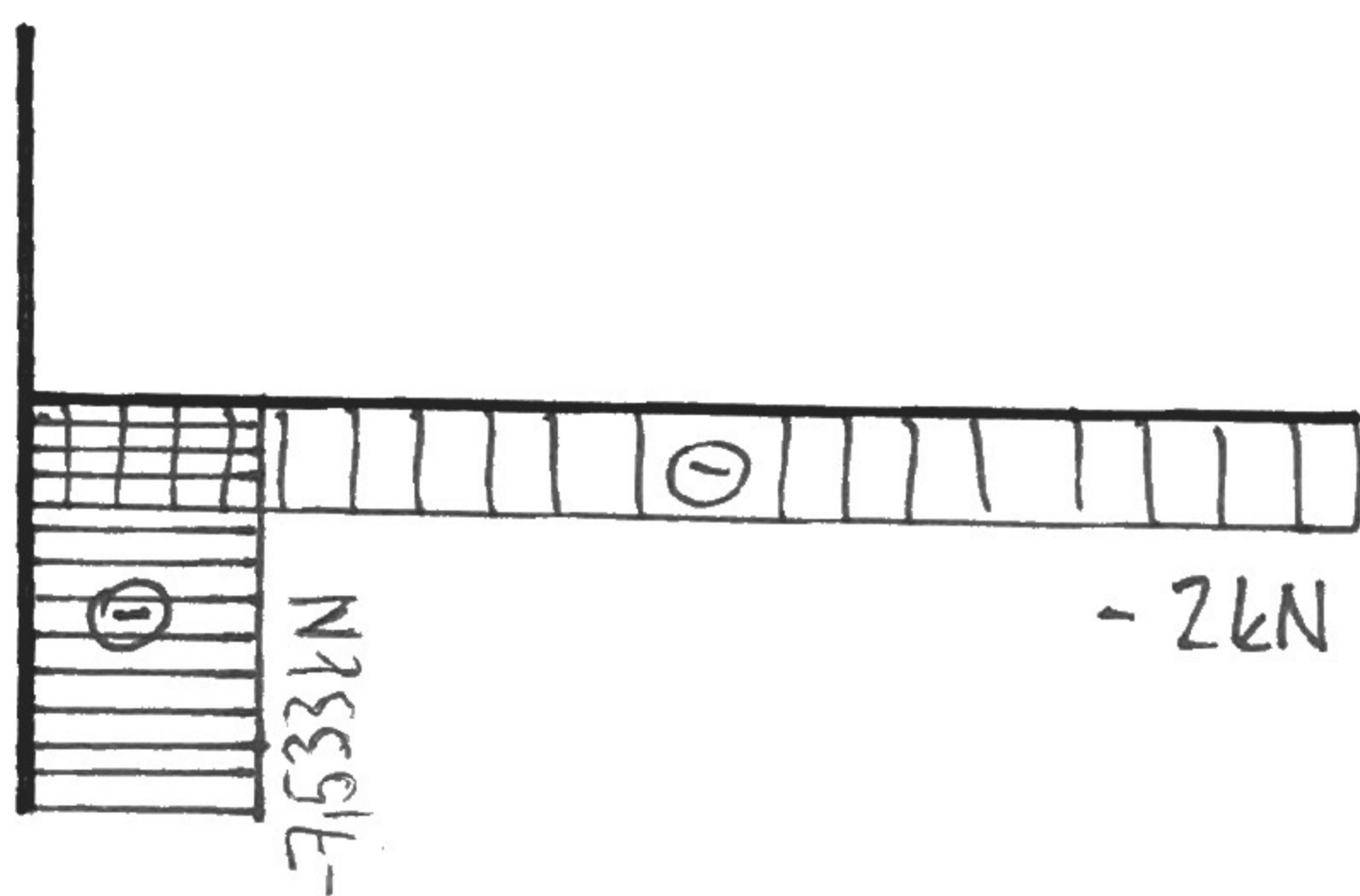
$$\underline{x = 2,745m}$$

$$M_{max}^L = 7,533 \cdot x + 2 \cdot 2 -$$

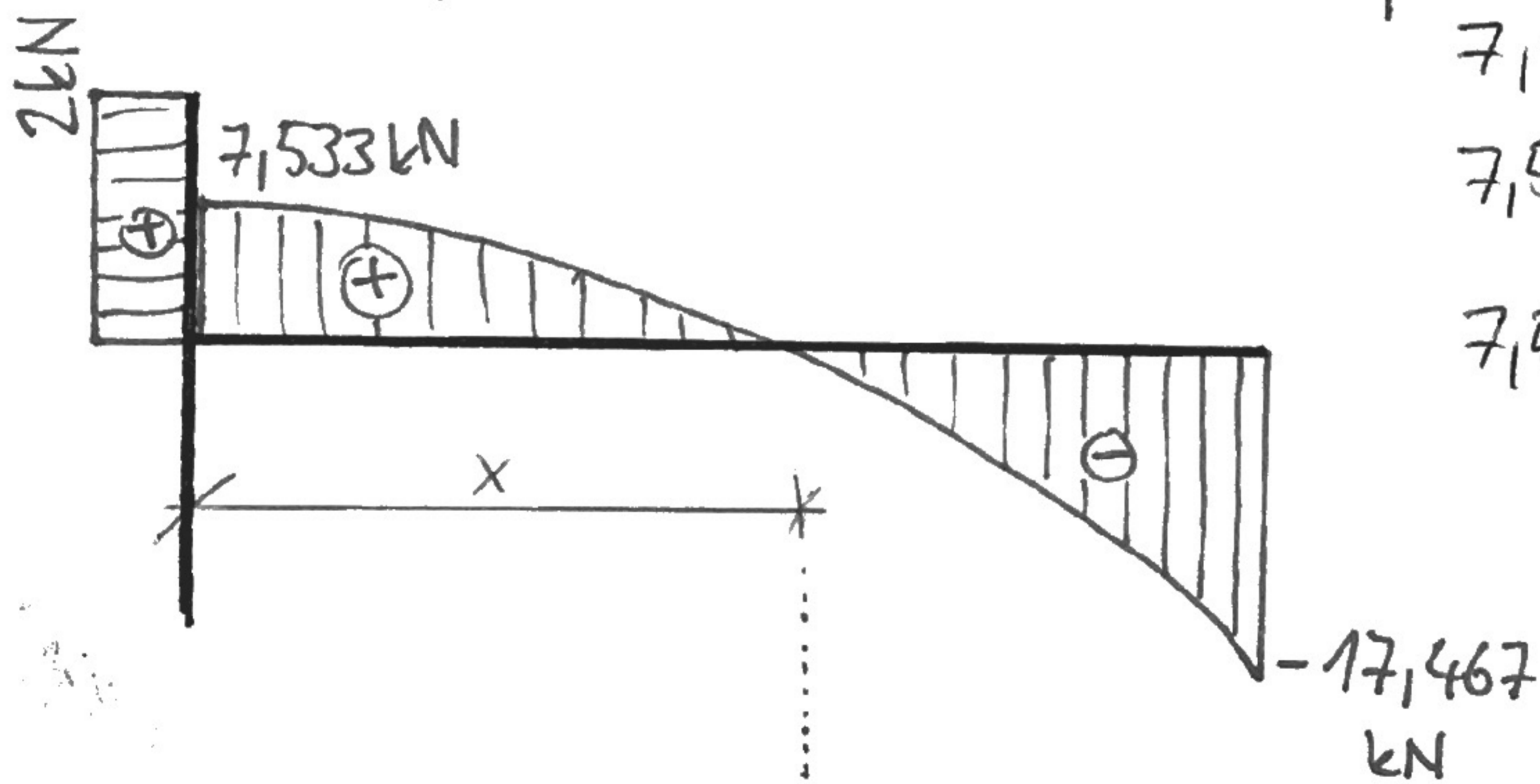
$$- 10 \cdot \frac{x}{5} \cdot \frac{x}{2} \cdot \frac{x}{3}$$

$$= \underline{17,783kNm}$$

(N)



(V)



(M)

