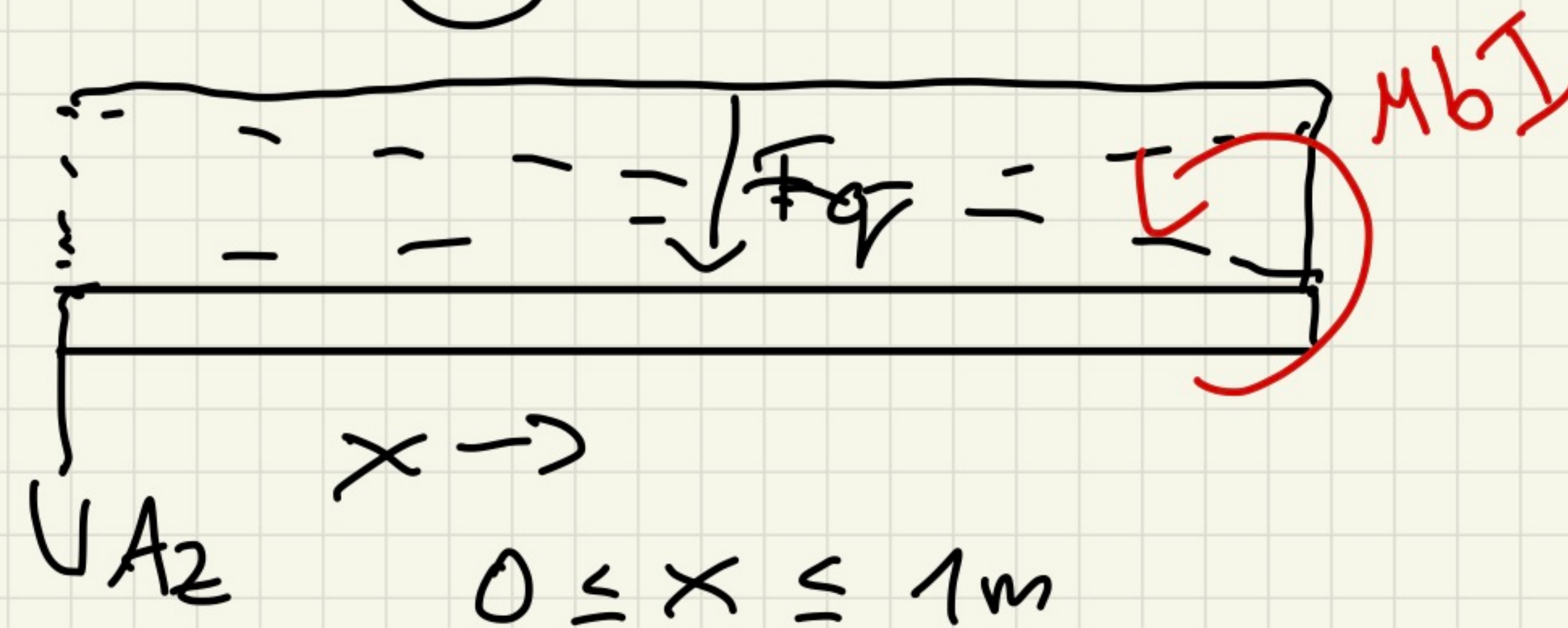


$$F = 3 \text{ kN} \quad F_q = 2 \text{ kN} \quad A_z = 0,5 \text{ kN}$$

$$B_z = -5,5 \text{ kN}$$

schnitt (I)



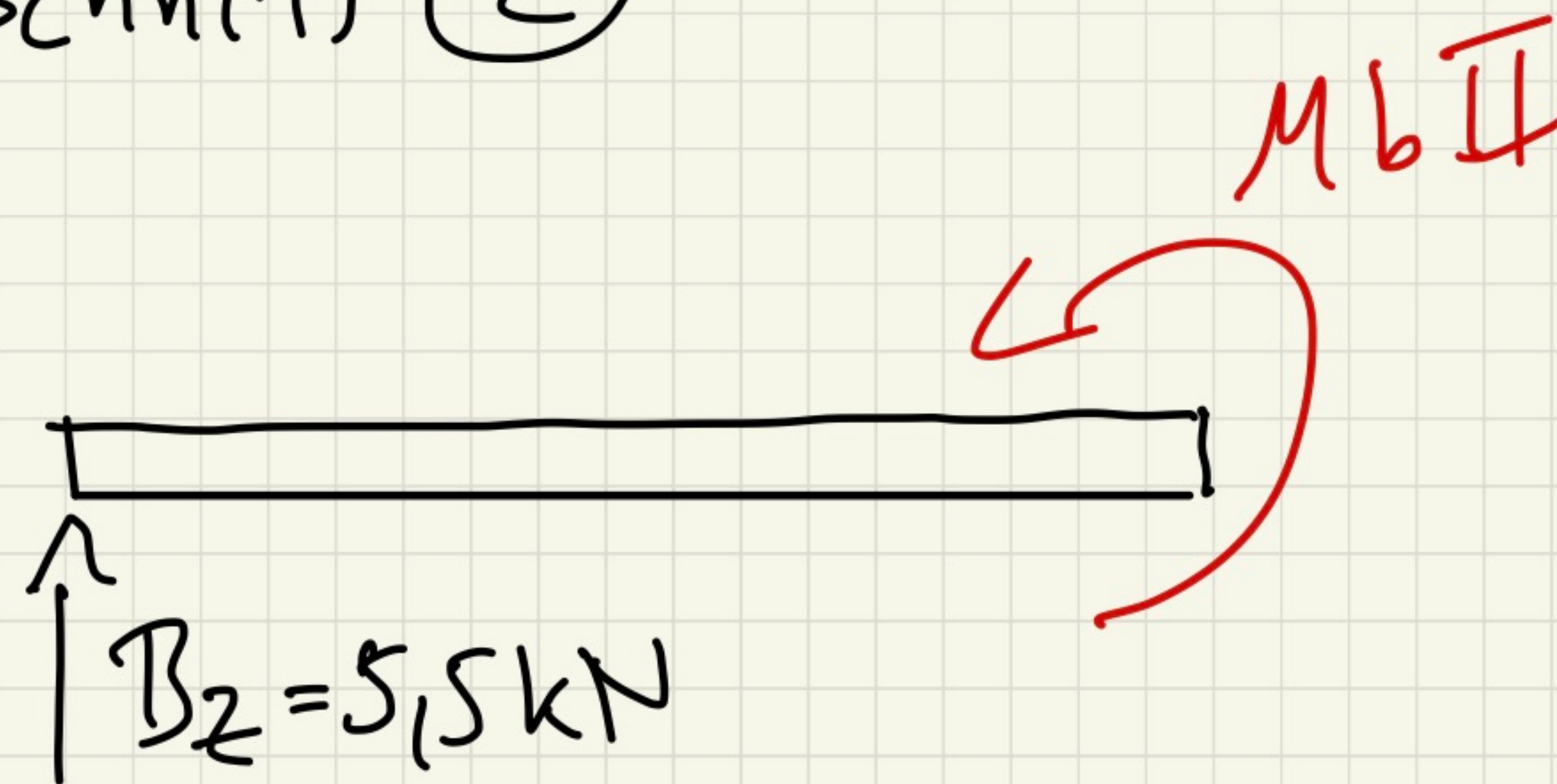
$$\sum M^{(I)} = 0 \quad F_q \cdot \frac{x}{2} + A_z \cdot x + M_{bI} = 0$$

$$M_{bI} = -F_q \cdot \frac{x}{2} - A_z \cdot x$$

$$x = 0\text{m} \quad M_{bI} = 0$$

$$x = 1\text{m} \quad M_{bI} = -1,5\text{kN}$$

Schnitt ②



$$1\text{m} \leq x \leq 1,5\text{m}$$

$$\sum M^{(II)} = 0$$

$$F_g \cdot \frac{x}{2} + A_z \cdot x + M_{bII}$$



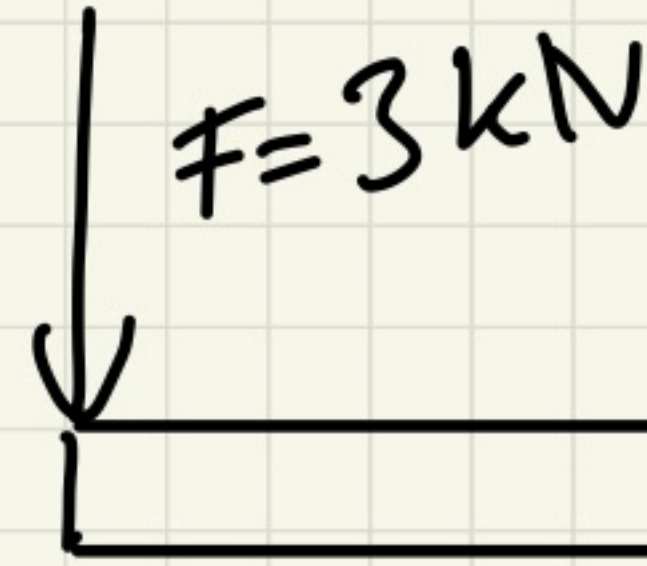
$$- B_z \cdot (x - 1\text{m}) = 0$$

$$M_{bII} = -F_q \cdot \frac{x}{2} - A_z \cdot x \\ + B_z \cdot (x - 1\text{m})$$

$$x = 1\text{m} \quad M_{bII} = -1,5\text{kN}$$

$$x = 1,5\text{m} \quad M_{bII} = 0,5\text{kN}$$

Schnitt ③



$$1,5\text{m} \leq x \leq 2\text{m}$$

$$\sum M_y^{(II)} = 0$$

$$F_q \cdot \left(\frac{x}{2}\right) + A_z \cdot x - B_z \cdot (x - 1\text{m}) + F \cdot (x - 1,5\text{m}) + M_{bII} = 0$$