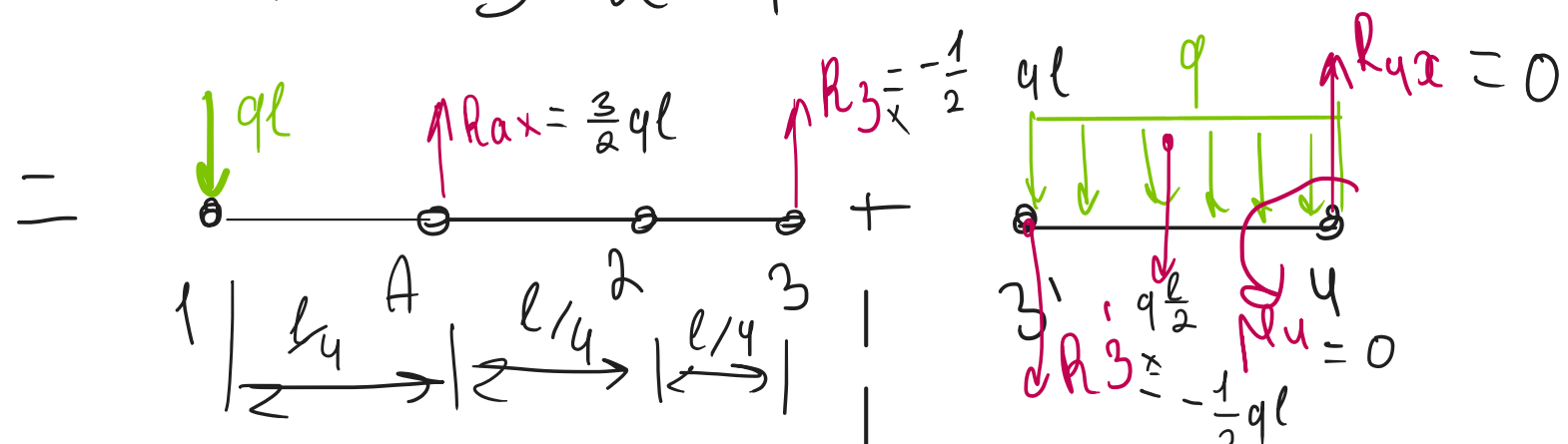


$$\sum \mathcal{O}x = 0$$

$$\sum M(\dots) = 0$$

$$n = 3 - 2 = 1$$



$$\sum \mathcal{O}x: -ql + R_{1x} + R_{3x} = 0$$

$$\sum M(3): -R_{1x} \cdot \frac{l}{2} + ql \cdot \frac{3l}{4} = 0$$

$$R_{1x} = \frac{3}{2}ql$$

$$R_{3x} = -\frac{1}{2}ql$$

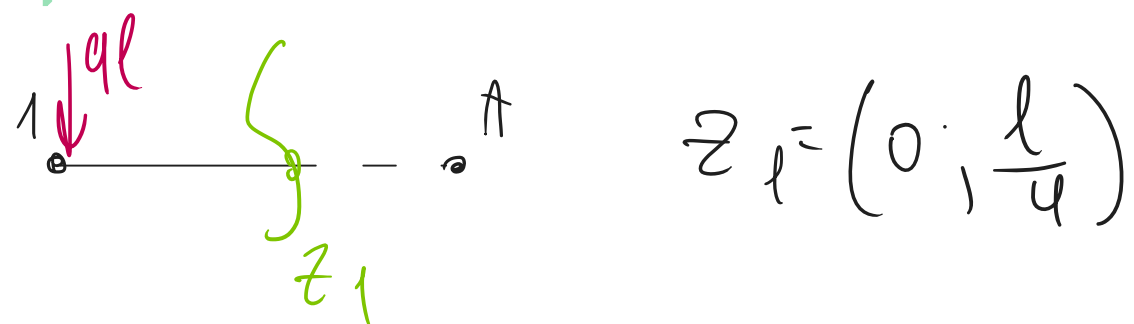
$$\sum \mathcal{O}x: -R_{3x}' - ql \cdot \frac{l}{2} + R_{4x} = 0$$

$$\sum M(4): M_4 + ql \cdot \frac{l}{2} \cdot \frac{l}{4} + R_{3x}' \cdot \frac{l}{2} = 0$$

$$R_{4x} = ql \cdot \frac{l}{2} - \frac{1}{2}ql = 0$$

$$M_4 = +\frac{ql}{2} \cdot \frac{l}{2} - ql \cdot \frac{l}{4} = \frac{ql^2}{8}$$

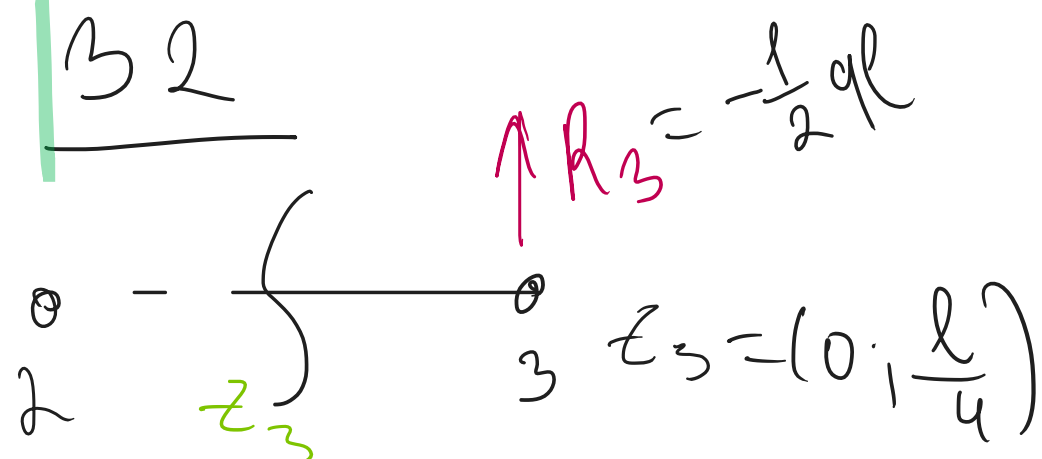
1A



$$Q_x^{1A} = -ql \quad M_{1\left(\frac{l}{4}\right)}^{12} = \frac{ql^2}{4}$$

$$M_x^{1A} = ql \cdot z_1 \quad M^{1A}(0) = 0$$

32

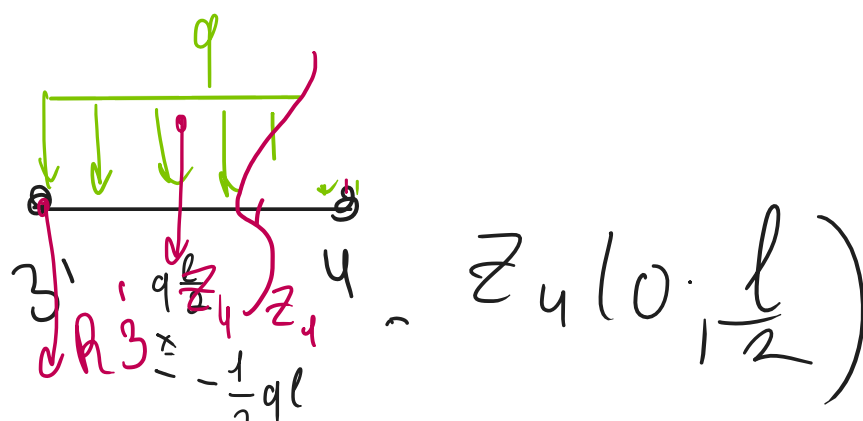


$$Q_x^{32} = -R_{3x} = \frac{1}{2}ql$$

$$M_x^{32} = -R_{3x} \cdot z_3 = \frac{1}{2}ql z_3$$

$$M^{32}(0) = 0 \quad M_{\left(\frac{l}{4}\right)}^{32} = \frac{ql^2}{8}$$

34



$$Q_x^{34} = -R_{3x}' - qz_4 = \frac{ql}{2} - qz_4$$

$$M_x^{34} = R_{3x}' \cdot z_4 + qz_4 \cdot \frac{z_4}{2} =$$

$$= -\frac{1}{2}ql z_4 + \frac{qz_4^2}{2}$$