

$$Q_x^{CB} = +ql$$

$$M_x^{CB} = ql \cdot z_2 \quad M_x^{CB}(0) = 0 \quad M_x^{CB}(l) = ql^2$$

$$\sum X = 0:$$

$$R_A(x) - 2ql + \frac{4}{3}ql - ql = 0$$

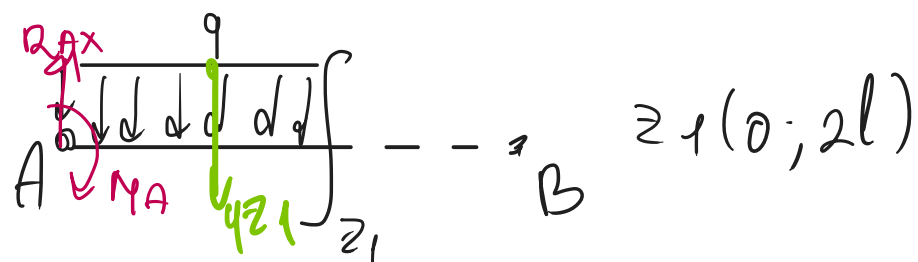
$$\sum M_A = 0:$$

$$-M_A - 2ql^2 + \frac{4}{3}ql \cdot 2l - ql \cdot 3l = 0$$

$$R_A(x) = 3ql - \frac{4}{3}ql = \frac{5}{3}ql$$

$$M_A = 2ql^2 + 3ql^2 - \frac{6}{3}ql^2 = -\frac{1}{3}ql^2$$

AB



$$Q_x^{AB} = R_{Ax} - qz_1 = \frac{5}{3}ql - qz_1$$

$$Q_x^{AB}(0) = \frac{5}{3}ql \quad Q_x^{AB}(2l) = \frac{5}{3}ql - 2ql = -\frac{1}{3}ql$$

$$M_x^{AB} = M_A - R_{Ax} \cdot z_1 + qz_1 \cdot \frac{z_1}{2} = \frac{7}{3}ql^2 -$$

$$-\frac{5}{3}ql \cdot z_1 + \frac{qz_1^2}{2}$$

$$M_x^{AB}(0) = \frac{7}{3}ql^2$$

$$M_x^{AB}(2l) = \frac{7}{3}ql^2 - \frac{5}{3}ql \cdot 2l + 2ql^2 = ql^2$$