

$$\sum x = 0:$$

$$-ql + R_G(x) = 0$$

$$R_G(x) = ql$$

$$\sum z = 0:$$

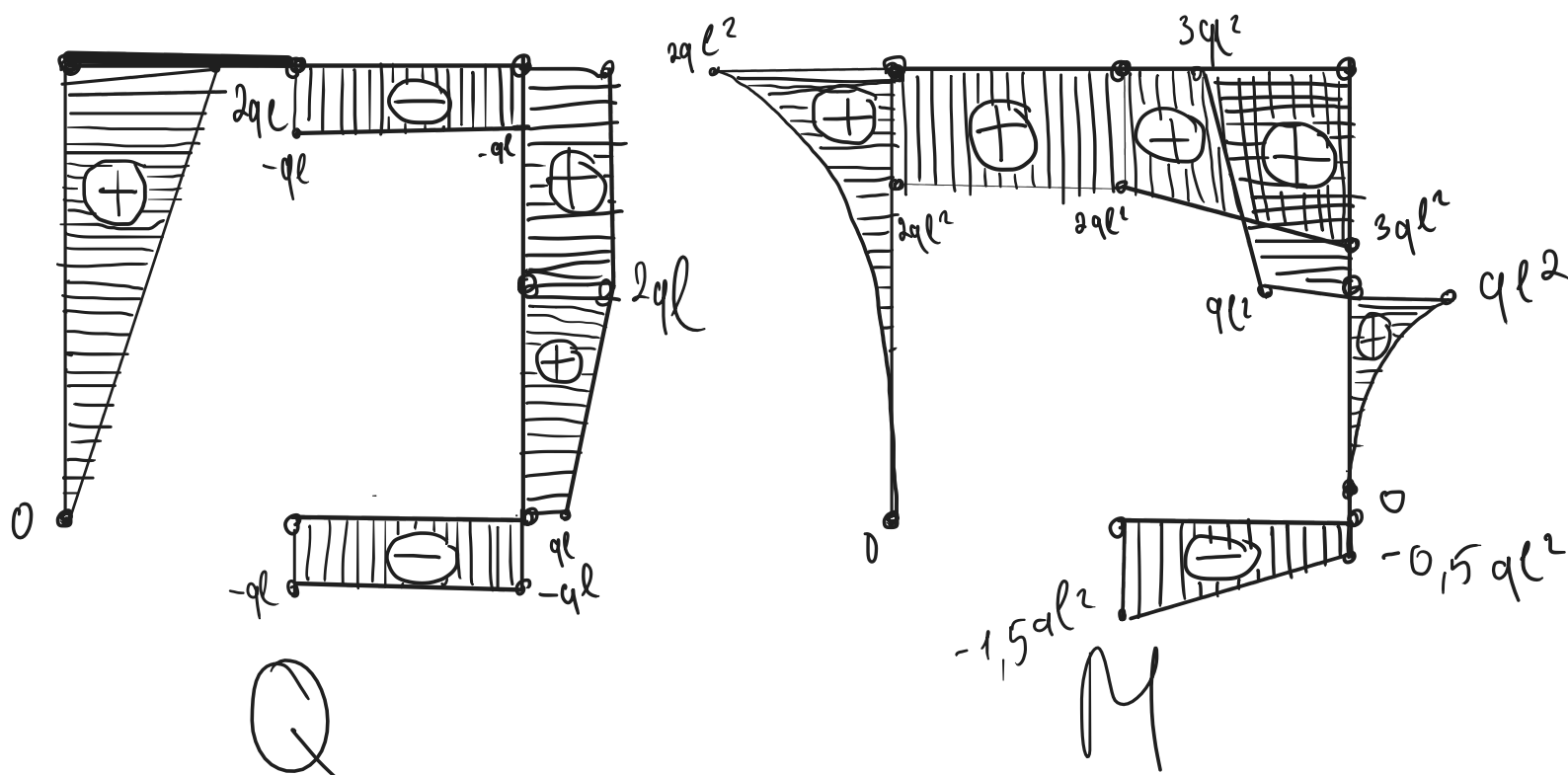
$$2ql - ql + R_G(z) = 0$$

$$R_G(z) = -ql$$

$$\sum M(G) = 0:$$

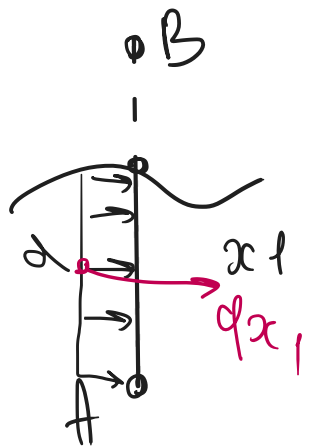
$$M = -1,5ql^2$$

$$-2ql \cdot l + ql \cdot \frac{l}{2} - M = 0$$



AB

$$x_1(0; 2l)$$



$$Q^{AB} = qx_1 \quad (0; 2ql)$$

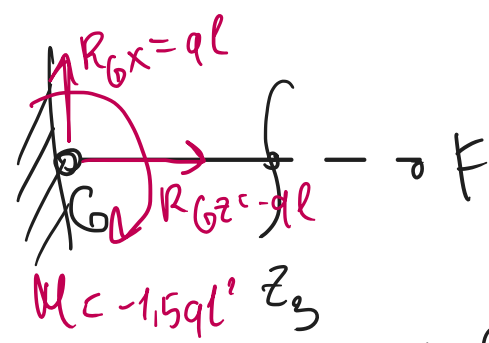
$$M^{AB} = qx_1 \cdot \frac{x_1}{2} = \frac{qx_1^2}{2}$$

$$(0; 2ql^2)$$



GF

$$z_3(0; l)$$



$$z_3(0; l)$$

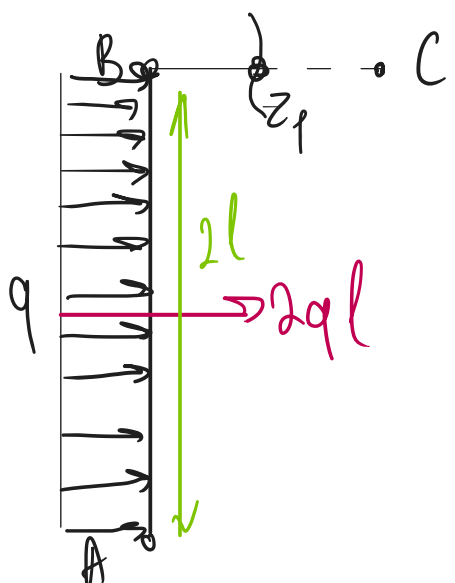
$$Q^{GF} = -R_{Gx} = -ql$$

$$M^{GF} = +M + R_{Gx} \cdot z_3 = -1,5ql^2 + qlz_3$$

$$(-0,5ql^2; -1,5ql^2)$$



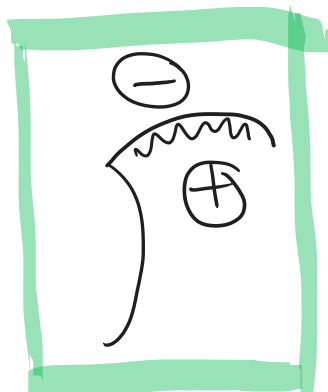
BC



$$z_1 \in (0; l)$$

$$Q^{BC} = 0$$

$$M^{BC} = 2ql \cdot l = 2ql^2$$



FE

$$x_3(0; l)$$

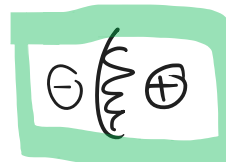
$$Q^{FE} = qx_3 + ql$$

$$(2ql; ql)$$

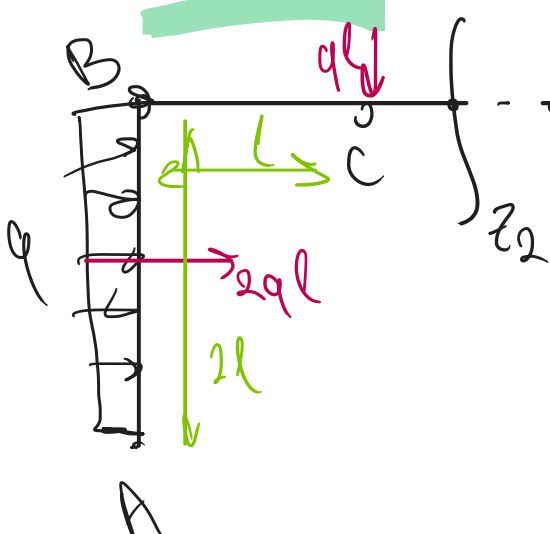
$$M^{FE} = qx_3 \cdot \frac{x_3}{2} - 1,5ql^2 + ql \cdot x_3 + ql^2 =$$

$$= \frac{qx_3^2}{2} - 0,5ql^2 + ql \cdot x_3$$

$$(ql^2; 0)$$



CD

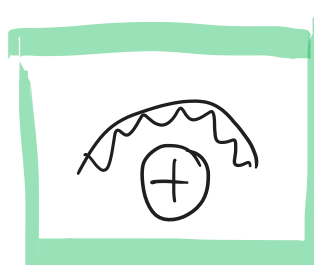


$$z_2(0; l)$$

$$Q^{CD} = -ql$$

$$M^{CD} = 2ql^2 + ql \cdot z_2$$

$$(2ql^2; 3ql^2)$$



ED

$$x_2(0; l)$$

$$Q^{ED} = ql + ql = 2ql$$

$$M^{ED} = ql^2 - 1,5ql^2 + ql(l + z_2) + ql(\frac{l}{2} + z_2)$$

$$(3ql^2; ql^2)$$

