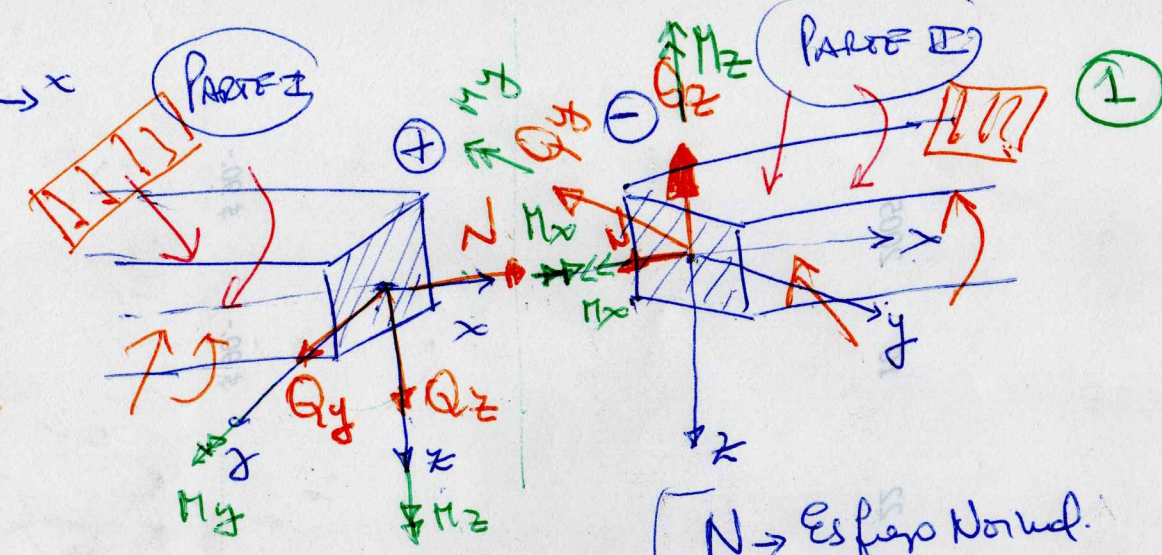
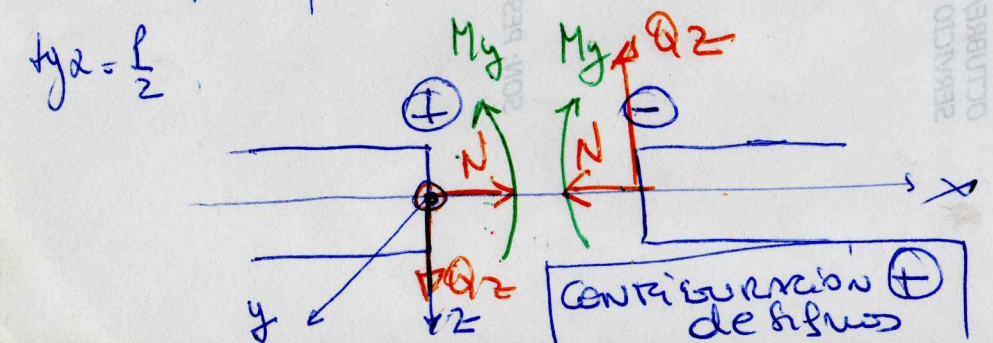
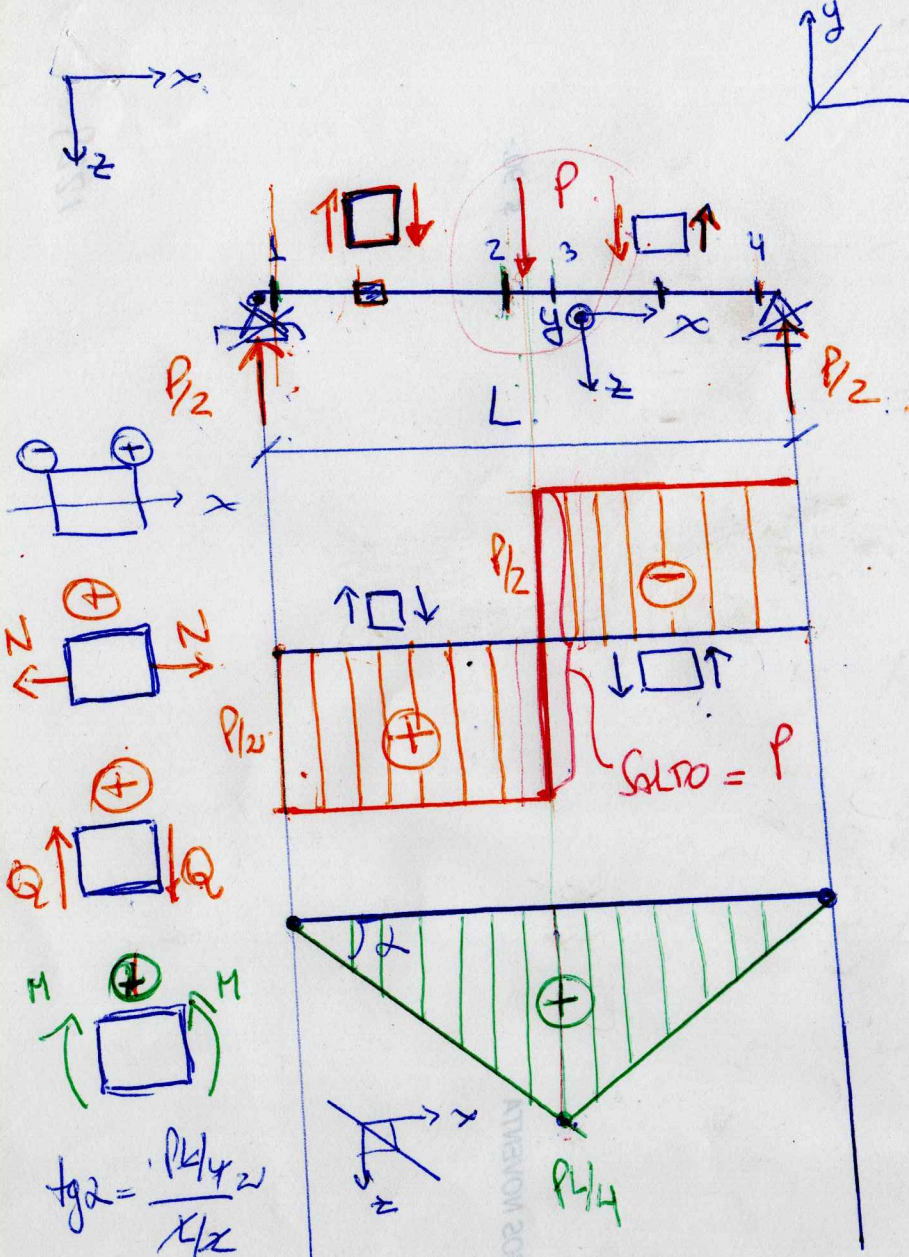




$$\frac{dN(x)}{dx} = -q_x$$

$$\frac{dQ_y(x)}{dx} = -q_z$$

$$\frac{dQ_z(x)}{dx} = -q_y$$

$$\frac{dM_y(x)}{dx} = Q_z$$

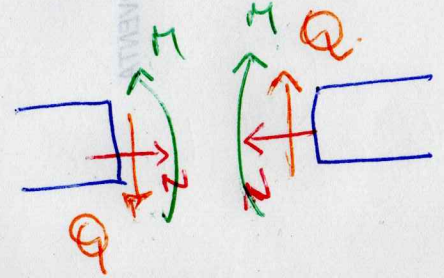
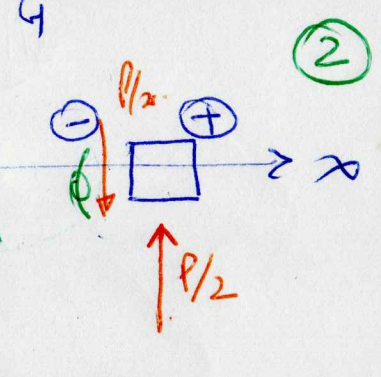
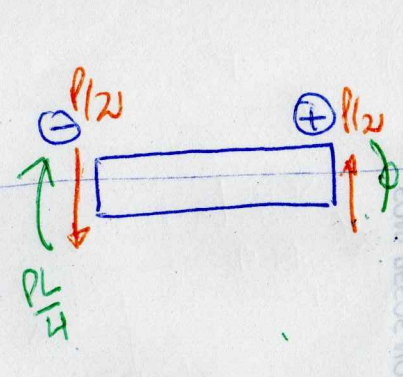
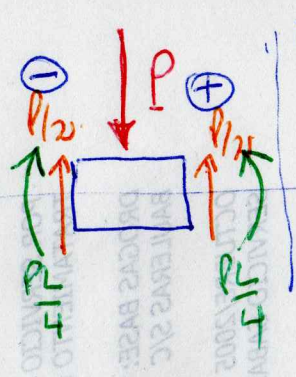
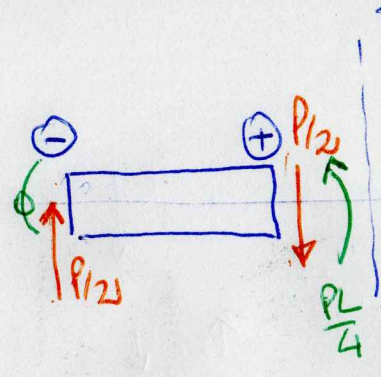
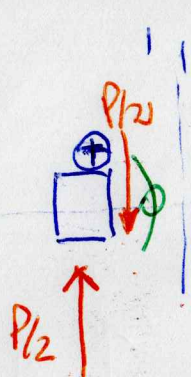
$$\frac{dM_z(x)}{dx} = -Q_y$$

$$\frac{dM_x(x)}{dx} = 0$$

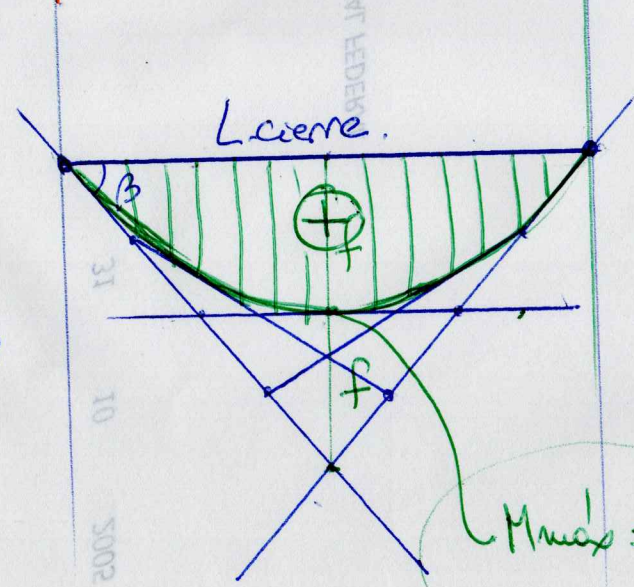
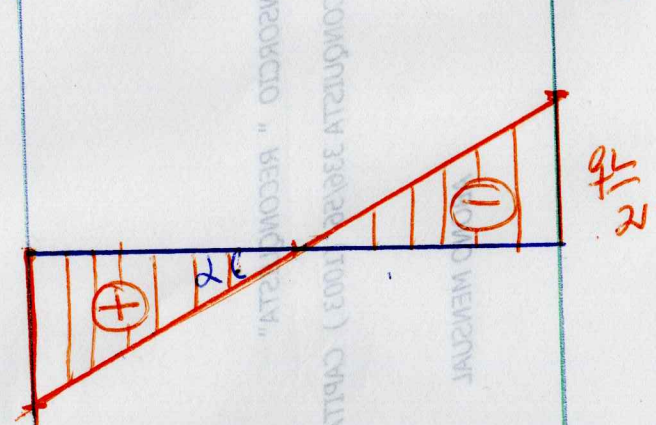
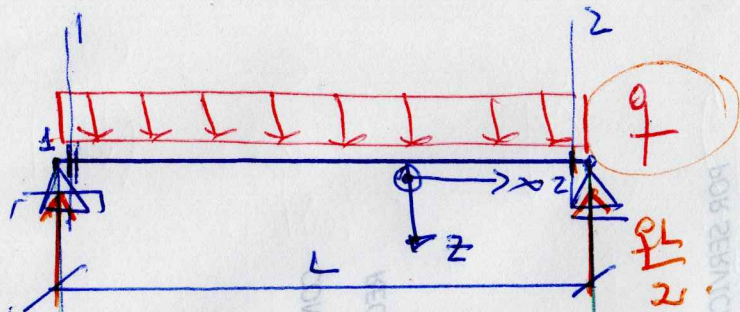
$N \rightarrow$ Esfuerzo Normal.
 Q_z
 Q_y } Esfuerzos de corte
 $M_x \rightarrow$ Momento Torsor.
 M_y
 M_z } Momento Flexores.

$$\frac{dM_x(x)}{dx} = -m_x$$

mx
 EI 20/05/2020



24/05/2020



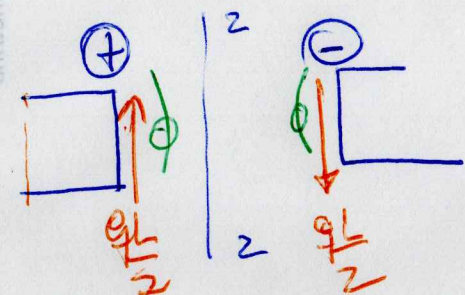
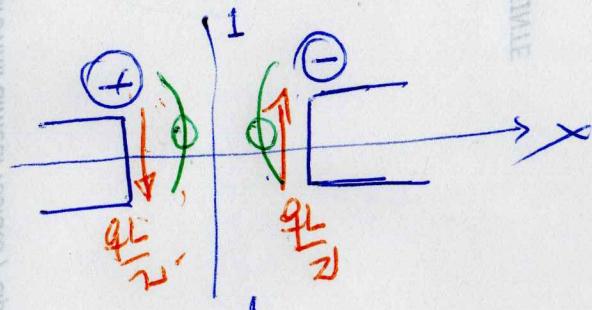
$q_z = \frac{qL}{2}$
 $q_z = -q$
 $q_B = \frac{qL^2}{42}$
 $q_B = \frac{qL}{2}$

$M_{max} = \frac{qL^2}{8}$

$\frac{dN}{dx} = -q_x$

$\frac{dQ_z}{dx} = -q_z$

$\frac{dM_x}{dx} = Q_z$

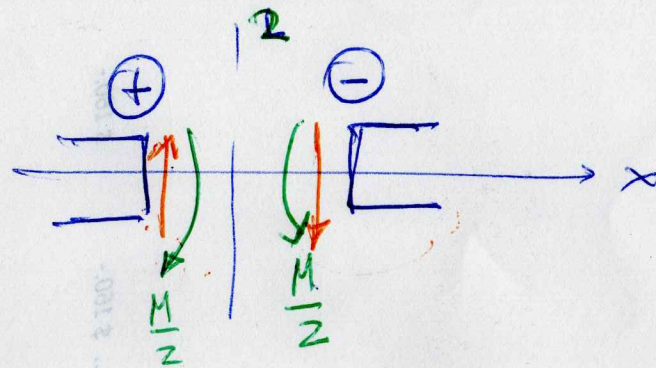
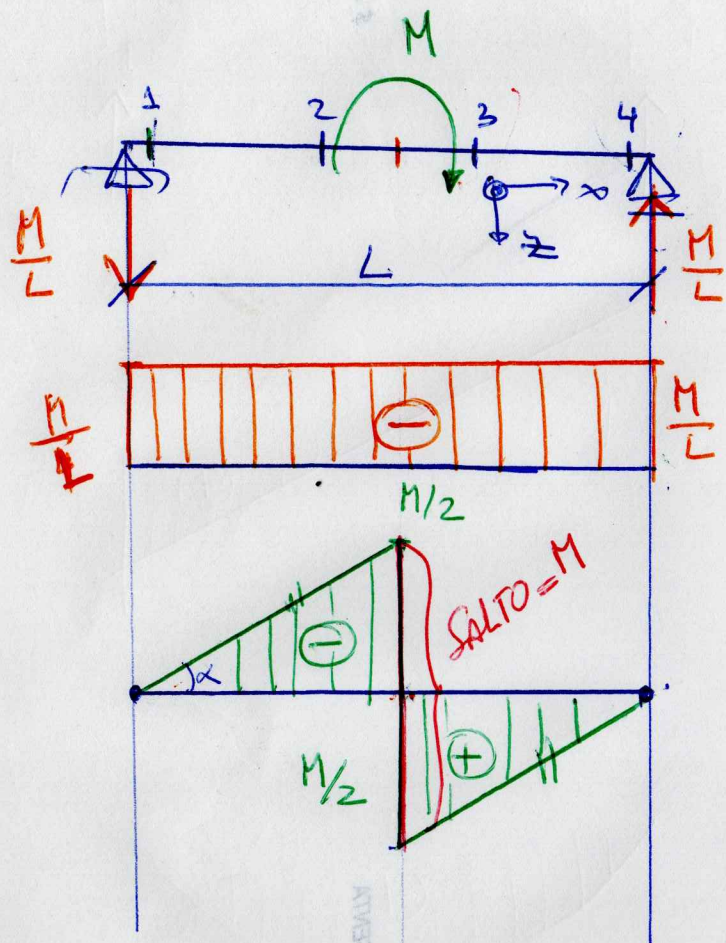


$f = \frac{qL^2}{8}$

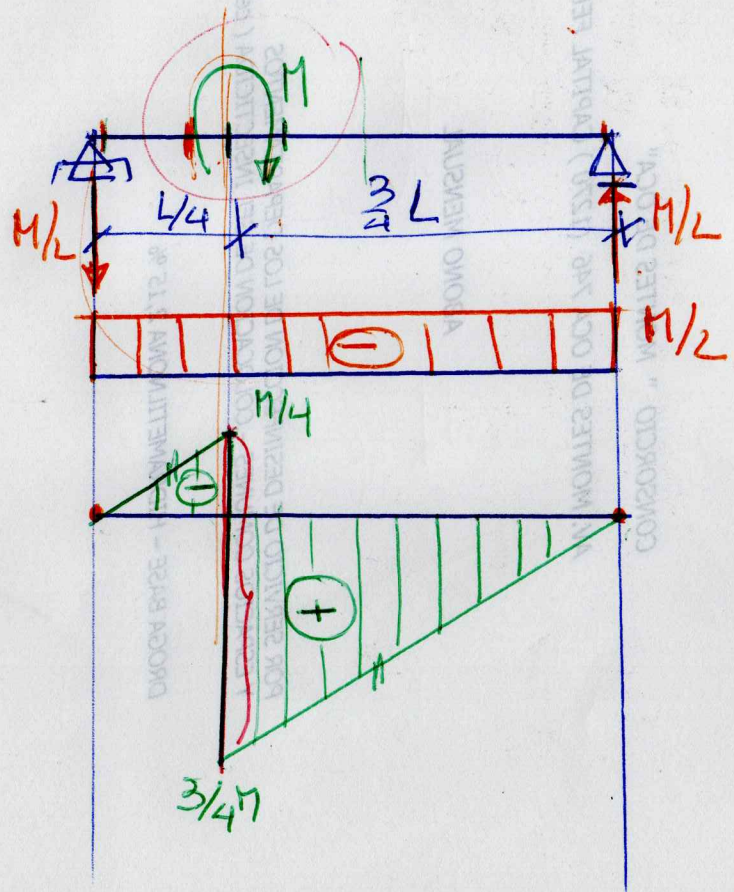
$2f = \frac{qL^2}{4}$

El
 20/05/2020

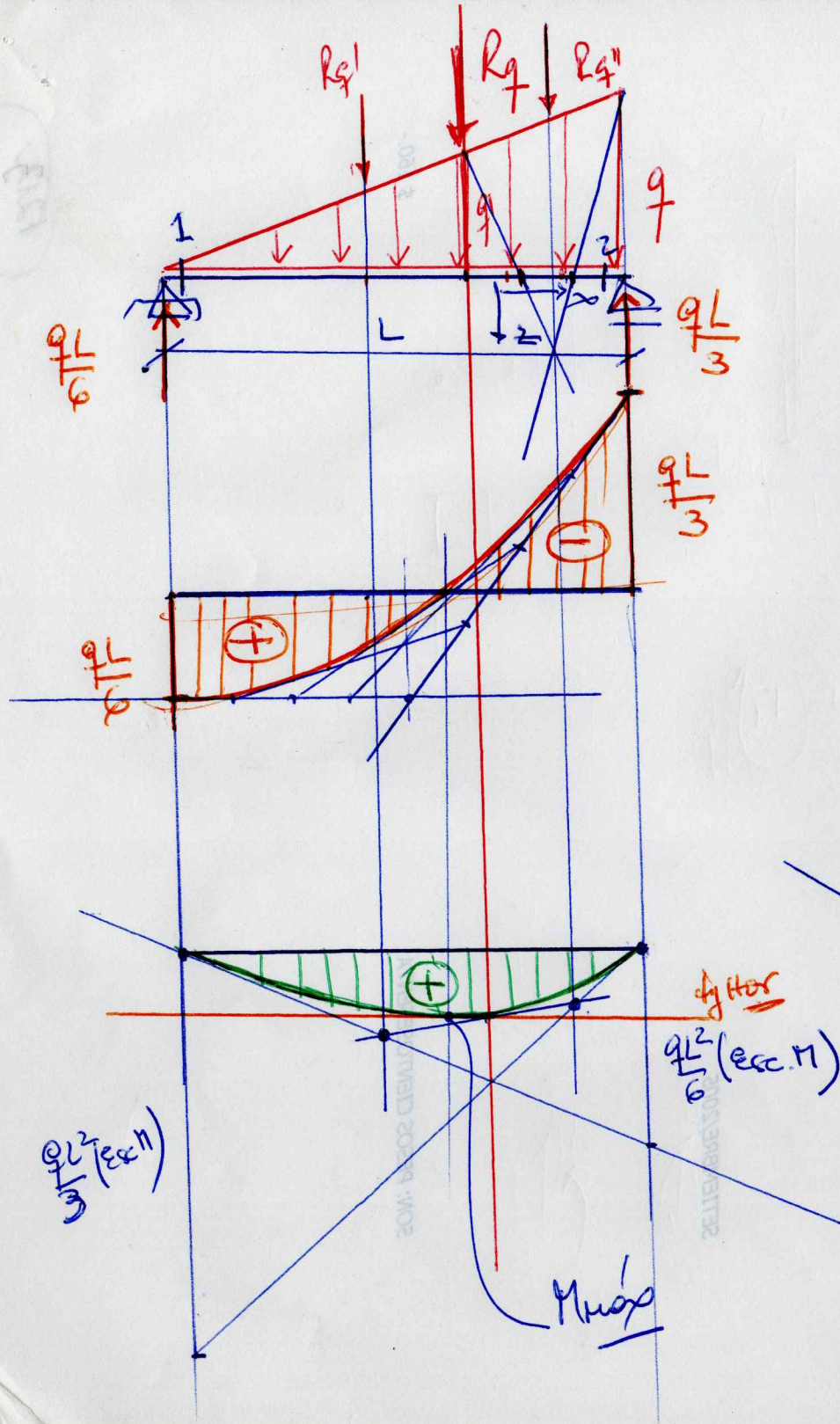
4



$$f_{ga} = \frac{M/2}{L/2} = \frac{M}{L} = Q$$

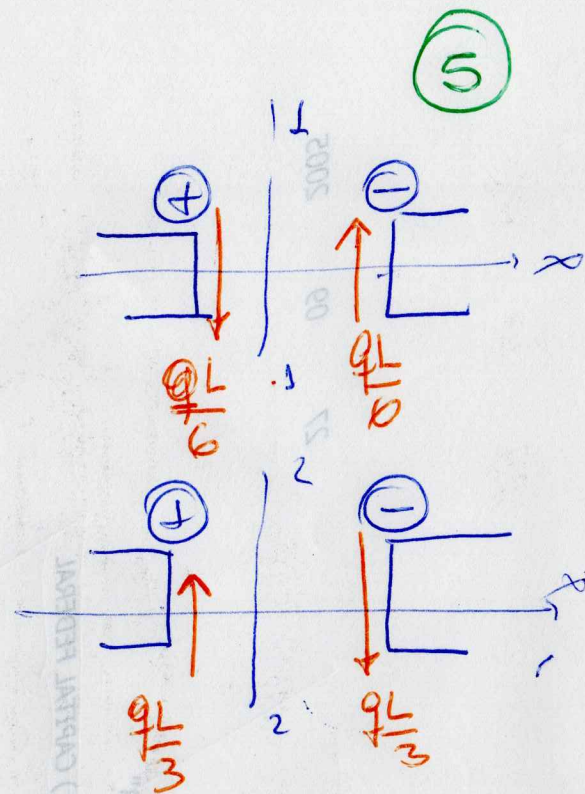
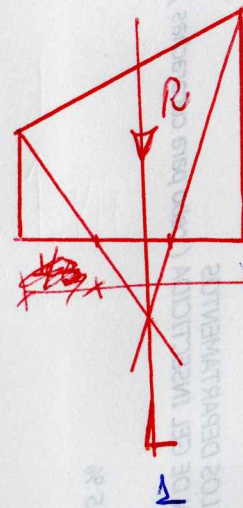


El
20/05/2020



$$\frac{dQ}{dx} = -qz$$

$$\frac{dM}{dx} = Q$$



$$\frac{dQ}{dx} = -qz = -\frac{qL}{6}$$

$$X = \frac{qL^2}{6}$$

21/20/05/2020