

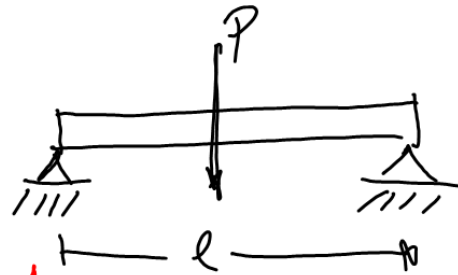
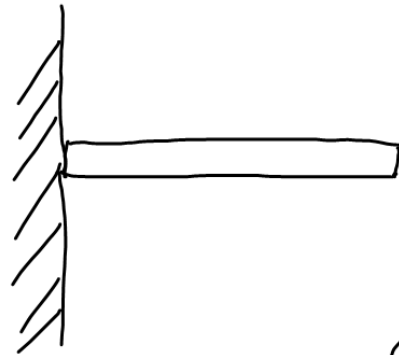
## CLASE DE EJERCICIOS

$$y(t) = A(t) \cdot e^{-0.85t} + B(t) e^{0.85t} + D(t) \cdot \cos(2.4t) + E(t) \operatorname{sen}(2.4t).$$

$$\begin{bmatrix} e^{-0.85t} & e^{0.85t} & \cos(2.4t) & \operatorname{sen}(2.4t) \\ & & & \bigcirc \end{bmatrix} \begin{bmatrix} A(t) \\ B(t) \\ D(t) \\ E(t) \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \\ Q(t) \end{bmatrix}$$

MM

BB



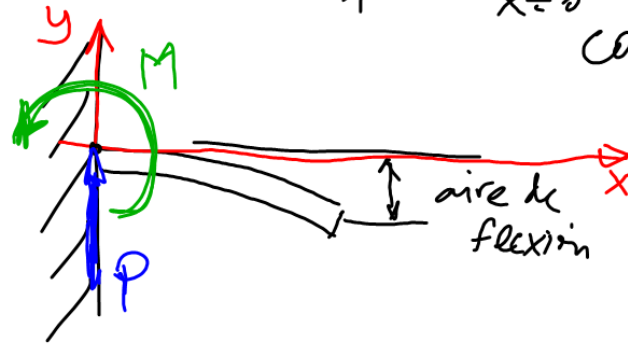
$$\frac{d^4 y}{dx^4} = K$$



$$\begin{aligned} y(0) &= 0 \\ y''(0) &= \frac{P}{2} \\ x &= 0 \end{aligned}$$

$$\begin{aligned} y(l) &= 0 \\ y''(l) &= \frac{P}{2} \\ x &= l \end{aligned}$$

conditions de frontière



$$\begin{cases} y(0) = 0 \\ y'(0) = 0 \\ y''(0) = P \\ y'''(0) = -P \cdot l/2 \end{cases}$$

$$x = 0$$

$$P(D)y = Q(x).$$

$$P(m) = 0 \quad m_1, m_2, \dots, m_n$$

SGH  $y = c_1 y_1 + c_2 y_2 + \dots + c_n y_n$

