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Procea 2 de Mecánica dos Sólidos 3

- Reagos de apoio $\Sigma Fy = 0$ Re + Ro - 35 - 80.6 = 0 Re + Ro - 515 = 0Rp + Ro = 515

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EM8=035.4-(80.6). 4+8R0=0 $R0=\frac{-140+3260}{8}$ $R_0=402,5 \times N$ - integrando o métedo da puperposição, temos que.

A rism $A = \frac{\rho L^3}{8EI}$ 4m

VA = -0,01063 m

 $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 10^{4})} = \frac{0}{3(7,02 \times 10^{4})}$ $\frac{\partial \theta}{\partial \xi} = \frac{112}{3(7,02 \times 1$

OB = 0,01603 Had

VA = 41.0,01603 = 0,0425 m

98= ML = 160.8 GET 6(7,02x604)

9p = 0,00303 Had 1

10A = -4:0,00303

10A = -0,0121 m)

houjo, Jobs o deslocamento en A pera a soma dos parcissis

 $V_A = -0.01063 - 0.0121 + 0.0425 - 0.02114$ $V_A = -0.0015195 m$ $V_{A} = 1.520 mm$

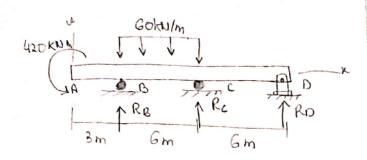
- Rotação am D:

Em DE

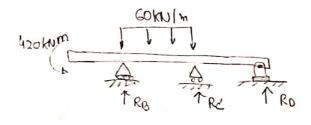
$$\Theta_D = \frac{91^3}{661} = \frac{80.2.2^3}{661}$$

Em 00

$$\Theta_0 = \frac{39L^3}{128EI} = \frac{38.4.4^3}{128EI}$$



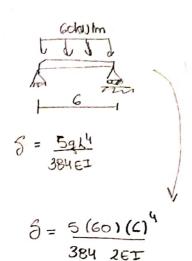
3 incoop
$$-\frac{2 eq}{(qe=1)}$$
Reason de apoio

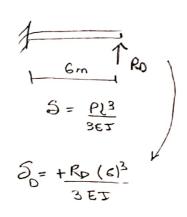


Condição de contorno:

GAD =
$$-\frac{420.3^2}{2EI}$$

$$S = +\frac{H_0 L^2}{2EI}$$





$$-\frac{420.3^{2}}{2EI} + \frac{5(60)(64)}{384} + \frac{R_{b}(6)^{3}}{3EI} = 0$$

$$-\frac{1890}{EI} + \frac{506,25}{EI} + \frac{R_{0}41}{EI} = 0$$

$$R_{D} = \frac{1383.75}{42}$$

$$R_{D} = \frac{19,22}{4}$$