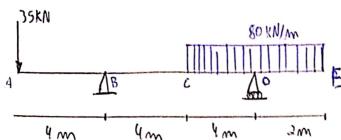
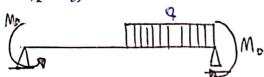
Pauls Merrique Lawrinds Sontos







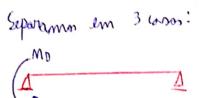
$$M_{B} = 35.4$$

$$\theta_{\rm DI} = \frac{M_{\rm B} \cdot 8}{6.E \cdot I_{\rm Z}} = 0.0026 \text{ nod}$$

Então atravis de metado do superposição:

O deslocamento em A pode sur visto como: V41

a voz é o derlocamento courado pela cargo concentrale



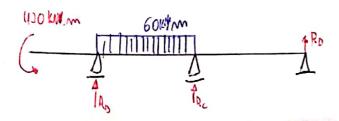




$$\Theta_{B} = \Theta_{B_1} + \theta_{D_2} + \theta_{D_3}$$

$$\theta_{B_3} = + \frac{7.4.8^3}{384.E.T_2} = +0.01063$$
 not

$$\frac{9_{42}}{8}: \frac{4m}{4} = \frac{35.4^{3}}{3.E.I_{3}} = -0,01063$$



Tomando Ro Como rehundonte:

$$\sum M_{A}=0$$
 ... $420 + R_{B} \cdot 3 - 360.6 + R_{C} \cdot 9 + R_{D} \cdot 15 = 0$... $R_{B} \cdot 3 + R_{C} \cdot 9 = -420 + 360.6 - R_{D} \cdot 15$

$$\int_{\mathbf{h}} = 0$$

$$\delta_0 = \int \theta_c \cdot 6 + \frac{R_0 \cdot 6^3}{3EI}$$

$$\theta_c = \theta_{c1} + \theta_{c2}$$

$$\Theta_{CI} = \frac{60.6^3}{29.2EI} = \frac{270}{EI}$$

$$\theta_{ca} = -\frac{420.6}{12EI} = -\frac{210}{EI}$$

$$\theta_c = \frac{60}{EI}$$

$$\int_{0}^{2} = \frac{360}{EI} + \frac{R_{0.6}^{3}}{3EI} = 0 \qquad R_{0.7} = 5KN$$

$$R_B + R_c = 365$$
 $3R_B + 9R_c = -420 + 2160 + 75 = 1815$
 $R_c = 120 \text{ km}$