

 $V_{A} = 4. \pm 0.063.10^{-2} = 4.25.10^{-2} \text{ m}$ -> De rotecas en B de corge en AB  $OB = \frac{ML}{3EI}$ 

Sendo  $M = 35.4 = 140 \text{ kN} \cdot \text{m}$  1 = 2 = 8  $0.8 = 140.8 = 5,31.10^{-3} \text{ rad}$  $3.7/02.10^{-4}$ 

$$V_{A} = -4.5,31.10^{-3} = -2,12.10^{-2} m$$

-> performante en A do notação em B da canga DE

 $O_{B} = \frac{mL}{6EI}$ 

Servaro  $M = 80 \cdot 2 \cdot 1 = 160 \, \text{kN} \cdot \text{m}$ 
 $2 \cdot 2 \cdot 8$ 
 $O_{B} = 160 \cdot 8$ 
 $O_{B} = 160 \cdot 8$ 

$$08 = \frac{160 \cdot 8}{6 \cdot 7,02 \cdot 10^{-4}} = 3,03 \cdot 10^{-3} \text{ mod}$$

$$90 = 9L^{3} = 80 \cdot 2 \cdot 2^{3} = 3.04 \cdot 10^{-6}$$
 med  $6 = 1$   $6 \cdot 7.0210^{-4}$ 

$$\Theta_{D} = \frac{39L^{3}}{128E1} = \frac{3.80.4.4^{3}}{128.70210^{-4}} = 6.84.10^{-6} \text{ mod}$$

$$EFV=0$$
 $By + Cy + Dy = 360$ 
 $Ey = 360 - By - Dy$ 
 $Cy = 360 - By + 300 - By$ 
 $Cy = 360 - 2By + 300$ 
 $Cy = 660 - 2By$ 

EMB=0 420-360-3+Cy.6+Dy.12=0 6Cy+12Dy=660 6(360-By-Dy)+12Dy=660 -6By-6Dy+12Dy=-1800 -6By+6Dy=-1800 Dy=-1800+6By

by = -300 + By