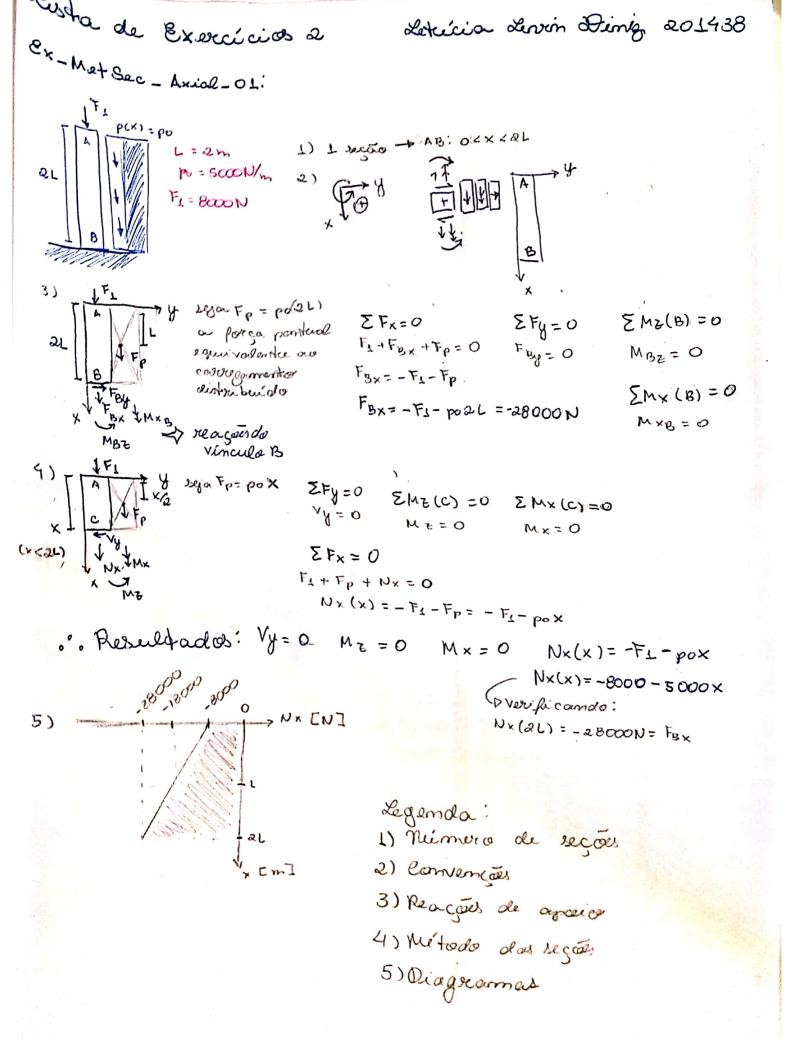
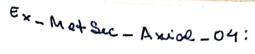
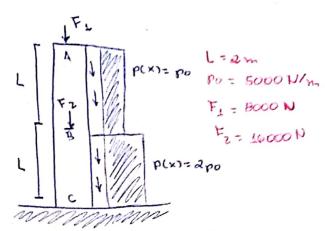
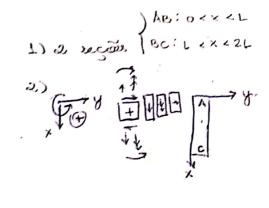
Lista de Exercícios 2 Letricia Lerrin Finiz 201438

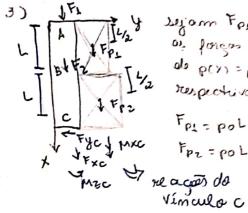
Legenda:
1) Neimero de seções
2) Convenções
3) Reações de apoeios
4) Método dos seções
5) Diagreamas











1 x Cm]

$$\sum F_{x} = 0$$

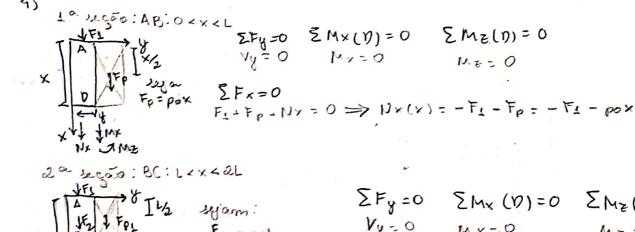
$$F_{1} + F_{2} + F_{xc} + F_{p_{1}} + F_{p_{2}} = 0$$

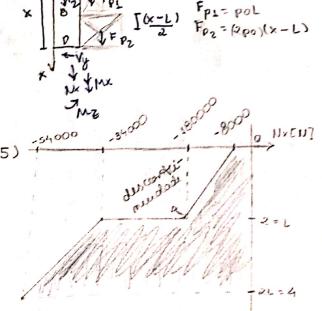
$$F_{xc} = -F_{1} - F_{2} - F_{p_{1}} - F_{p_{2}}$$

$$F_{xc} = -F_{1} - F_{2} - 3p_{0}L = -54000N$$

$$\sum F_{y} = 0 \quad \sum M_{z}(C) = 0 \quad \sum M_{x}(C) = 0$$

$$F_{yc} = 0 \quad M_{zc} = 0 \quad M_{xc} = 0$$





$$\sum F_{y} = 0 \quad \sum M_{x}(y) = 0 \quad \sum M_{z}(b) = 0$$

$$V_{y} = 0 \quad M_{x} = 0$$

$$\sum F_{x} = 0$$

$$F_{1} + F_{p_{1}} + F_{p_{2}} + F_{z} + N_{x} = 0$$

$$N_{x} = -F_{1} - F_{z} - F_{p_{1}} - F_{p_{z}}$$

$$N_{x}(x) = -F_{1} - F_{z} - pol - 2po(x - L)$$

$$N_{x}(x) = -F_{1} - F_{z} - pol - 2po(x - L)$$

$$N_{x}(x) = -F_{1} - F_{z} + pol - 2pox$$

$$P_{y} = 0 \quad M_{x} = 0 \quad M_{z} = 0$$

$$N_{x}(x) = \int -F_{1} - pox = -8000 - 5000x, p/x < L = 2m$$

$$-F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - pox = -8000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$N_{x}(x) = \int -F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$-F_{1} - F_{2} + pol - 2pox = -14000 - 10000x$$

$$-F_{1} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{1} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{1} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{1} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

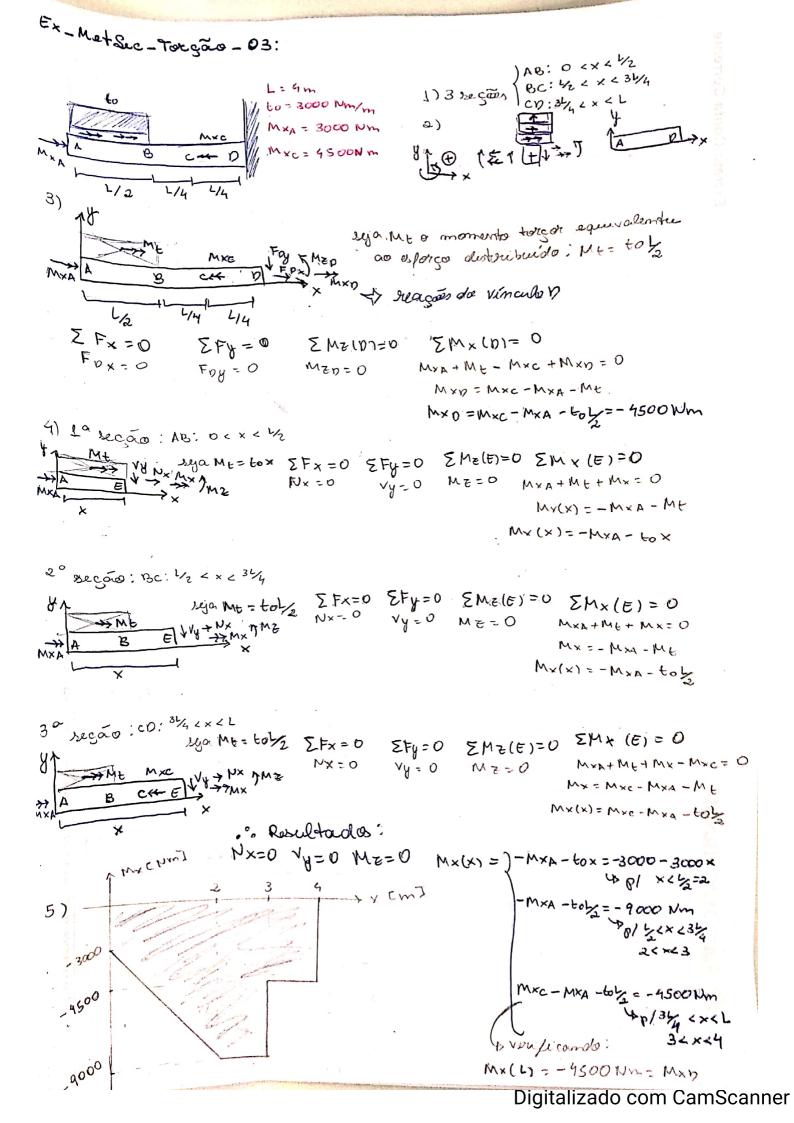
$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$

$$-F_{2} - F_{2} - F_{2} - pol - 2pox = -14000 - 10000x$$



Ex-MetSec-Flexão-OL: . D & region: AB: 02x2h L = 3 m FA = 15000 N 90 90 - 8000 N/m 2) てなれましまり eya Fq a força portual equi volente oros carregamento distoribuido FYB THEB By mxb & ne acos EFx=0 EMx (B)=0 MXB= 0 do vinados EFy = 0 5M3(B)30 FAL+ Falz+MED, = 0 -FA - Fq - Fy 13=0 Fy = + FA - Fq Man=- Fal-9012 FyB=-Fx-901=-39000N MEB=-81000Nm 4) La regão : AB: O < x < L sga Fq = qox EFx=0 EMx(C)=0 5 M& (C) = 0 Z=y=0 (xsL) FAX+F9>2+ME=0 -FA -Fg-Vy=0 Vy = - FA - Fq ME--FAX-F972 Vy (x) = - FA - 90 X M&(x)= -FAX - 90x2 ". Resubfordos: $M_{z}(x) = -F_{Ax} - 90 \frac{x^2}{z}$ $V_{y}(x) = -F_A - qox$ Mx = 0 Mx = 0 MS(x)=-12000x-8000xs Vg(x)= -15000-8000x (Droupi condo. (> verificando: Vy(L) = -39000N= Fyo MZ(L) = -81000Nm=MZB 5) (x [m] VyENI [MU] JM Digitalizado com CamScanner

