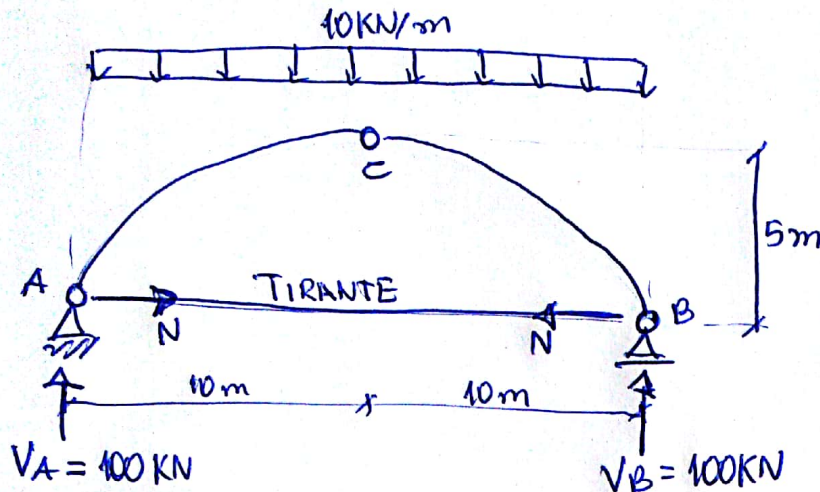


ENADE 2005

Questão 28 - Resolução



$$\sum M_{(A)} = 0$$

$$20V_B - 10 \times 20 \times 10 = 0$$

$$V_B = 100 \text{ kN}$$

$$\sum F_V = 0$$

$$V_A - 10 \times 20 + 100 = 0$$

$$V_A = 100 \text{ kN}$$

$$\sum M_{(C)} = 0$$

$$100 \times 10 - 5 \times N - 10 \times 10 \times 5 = 0$$

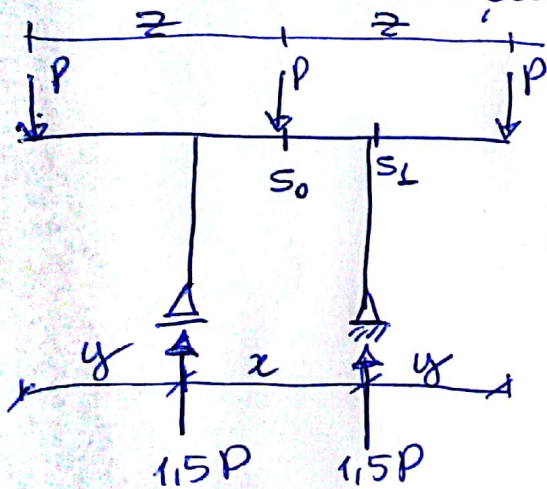
$$500 - 5N = 0$$

$$N = 100 \text{ kN}$$

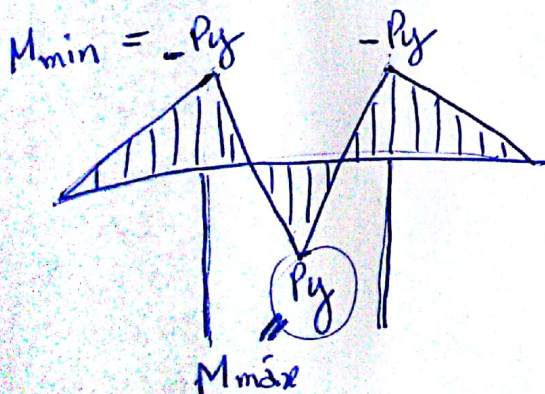
Resposta: letra c)

ENADE 2008

Questão 33 - Resolução



D.M.F



- O menor valor possível de momento em valor absoluto ocorrerá quando $M_{\max} = |M_{\min}|$

$$M_{\min} = M_{S_i} = -P_y$$

$$M_{\max} = M_{S_0} = \frac{3}{2} P \cdot \frac{x}{2} - P \cdot \frac{x}{2} - P_y$$

$$M_{\max} = \frac{1}{4} P x - P_y$$

$$M_{\max} = |M_{\min}|$$

$$\frac{1}{4} P x - P_y = P_y$$

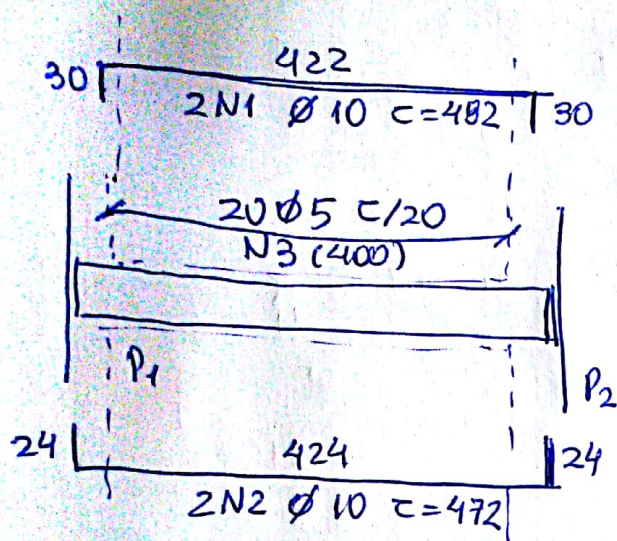
$$\frac{P x}{4} = 2 P_y$$

$$x = 8 y$$

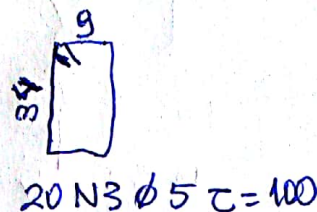
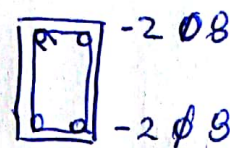
Resposta: letra E)

ENADE 2014

Questão 21 - Resolução



corte A



comprimento total da armadura longitudinal (C_{LT})

$$C_{LT} = 2 \times 482 + 2 \times 472 = 1908 \text{ cm} = \underline{19,08 \text{ m}}$$

comprimento total da armadura transversal (C_{TT})

$$C_{TT} = 20 \times 100 = 2000 \text{ cm} = \underline{20 \text{ m}}$$

Resposta: letra D)