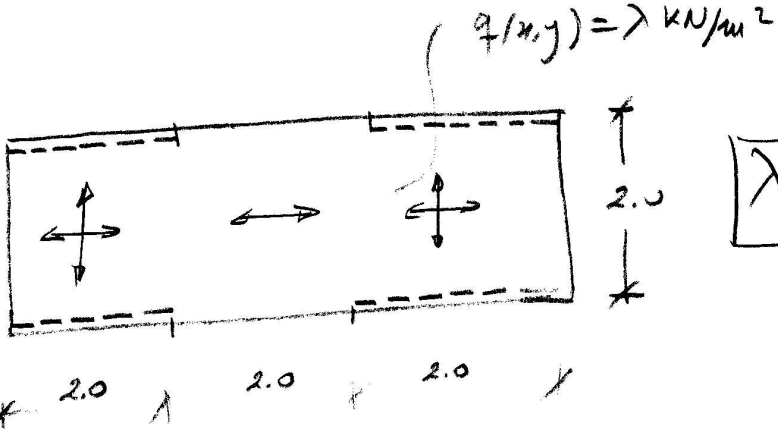


E6

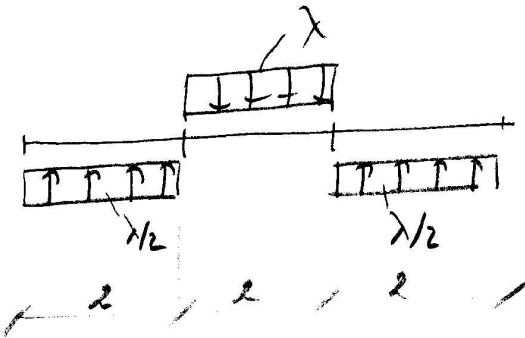
8



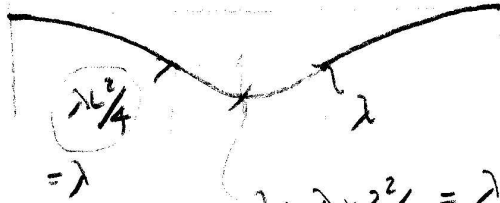
$$\lambda_{\min} = \frac{2}{3} \text{ m/p}$$

Resolução: É necessário repartir a carga pelas duas direções

Carga na direção x



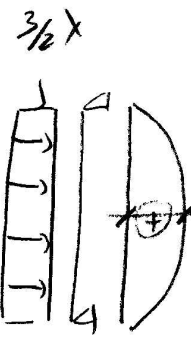
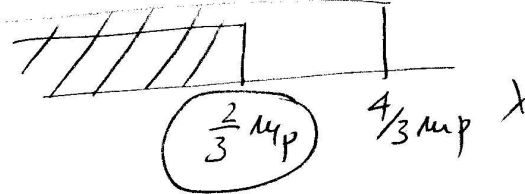
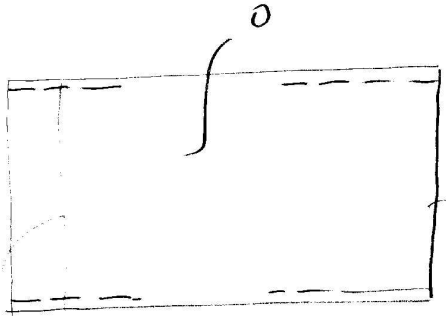
$$\lambda/2 \times \frac{L^2}{2} = \lambda \frac{L^2}{4} = \lambda \times \frac{2^2}{4} = \lambda$$



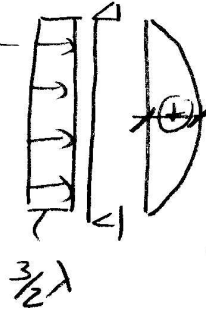
$$\lambda + \lambda \times \frac{2^2}{8} = \lambda + \lambda \times \frac{4}{8} = \frac{3}{2} \lambda \in \text{m/p}$$

$$\lambda \leq \frac{2 \text{ m/p}}{3}$$

Carga a equilibrar na direção y



$$\begin{aligned} \frac{3}{2} \lambda \times \frac{L^2}{8} &= \\ &= \frac{3}{2} \lambda \times \frac{4}{8} = \frac{3}{4} \lambda \end{aligned}$$



$$\frac{3}{4} \lambda \in \text{m/p}$$

$$\lambda \leq \frac{4 \text{ m/p}}{3}$$