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ΔL

$$f = \frac{1}{2\pi} \sqrt{\frac{g}{\Delta L}}$$

$$P = mg$$
$$F = k\Delta L$$

$$k = \frac{mg}{\Delta L}$$

$$f = \frac{1}{2\pi} \sqrt{\frac{k}{m}}$$

$$f = \frac{1}{2\pi} \sqrt{\frac{mg}{m\Delta L}}$$

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$$M_{\pi} = 0,004 \text{ N}\cdot\text{m}$$

$$m_c = 100 \text{ g}$$

$$r_c = 3,0 \text{ cm}$$

$T = ?$

force per case