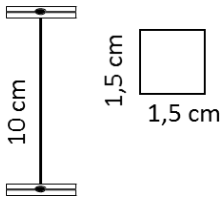
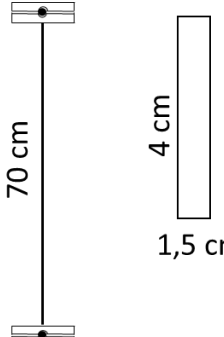
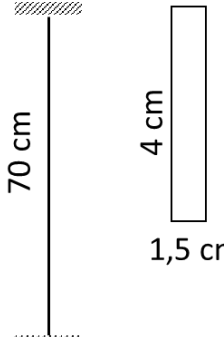
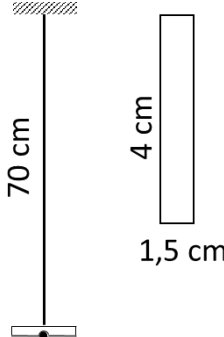


1. Ensaio de compressão (flambagem) em corpos-de-prova de madeira. Adote $E = 10 \text{ GPa}$.

Descrição dos modelos	Parâmetros
Peça curta: 1,5 cm x 1,5 cm x 10 cm 	$A \text{ (cm}^2\text{)} = 2,25$ $I \text{ (cm}^4\text{)} = 0,422$ $r \text{ (cm)} = 0,433$ $\lambda = 23,09$ $P_{\text{teor}} \text{ (kN)} = 18\text{kN}$ $P_{\text{exp}} \text{ (kN)} =$ $P_{\text{teor}}/P_{\text{exp}} =$
Peça esbelta biarticulada: 1,5 cm x 4 cm x 70 cm 	$A \text{ (cm}^2\text{)} = 6$ $I \text{ (cm}^4\text{)} = 1,125$ $r \text{ (cm)} = 0,433$ $\lambda = 161$ $P_{\text{teor}} \text{ (kN)} = 2,26\text{kN}$ $P_{\text{exp}} \text{ (kN)} =$ $P_{\text{teor}}/P_{\text{exp}} =$ Obs:
Peça esbelta biengastada: 1,5 cm x 4 cm x 70 cm 	$A \text{ (cm}^2\text{)} = 6$ $I \text{ (cm}^4\text{)} = 1,125$ $r \text{ (cm)} = 0,433$ $\lambda = 115$ $P_{\text{teor}} \text{ (kN)} = 4,44\text{kN}$ $P_{\text{exp}} \text{ (kN)} =$ $P_{\text{teor}}/P_{\text{exp}} =$ Obs:
Peça esbelta engastada-articulada: 1,5 cm x 4 cm x 70 cm 	$A \text{ (cm}^2\text{)} = 6$ $I \text{ (cm}^4\text{)} = 1,125$ $r \text{ (cm)} = 0,433$ $\lambda = 113$ $P_{\text{teor}} \text{ (kN)} = 4,62\text{kN}$ $P_{\text{exp}} \text{ (kN)} =$ $P_{\text{teor}}/P_{\text{exp}} =$ Obs: