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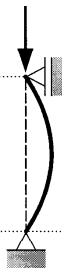
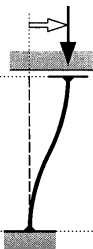
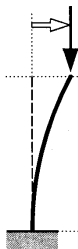
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$$\ell_k = 2\ell$$

$$\ell_k = \ell$$

$$\ell_k = \ell$$

$$\ell_k \approx 0,7\ell$$

$$\ell_k = 0,5\ell$$

$$F_k = \frac{\pi^2 EI}{4\ell^2}$$

$$F_k = \frac{\pi^2 EI}{\ell^2}$$

$$F_k = \frac{\pi^2 EI}{\ell^2}$$

$$F_k \approx \frac{2\pi^2 EI}{\ell^2}$$

$$F_k = \frac{4\pi^2 EI}{\ell^2}$$