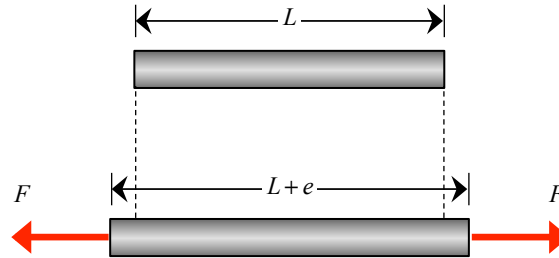


Lecture 6 summary: axial deformation - determinate

- *ELONGATION EQUATION:*
$$e = \int_0^L \frac{F(x)}{A(x)E(x)} dx$$



- *SPECIAL CASE:* For homogeneous loading, geometry and properties:
$$e = \frac{FL}{EA}$$