## *ME 323: Mechanics of Materials Summer 2024*

## Homework Set H22 Assigned/Due: July 11/July 15

Consider the axially-loaded rod shown below. The material is constant throughout, having a Young's modulus of E. Develop the equilibrium equations for a four-element finite element model for the rod. Enforce the boundary conditions on your equilibrium equations. You do not need to solve the resulting equations.

