

Assignment # 2

Part 1: Find the equivalent nodal forces in terms of E , I and L

Part 2: $w = 10 \text{ k}$
 $EI = 4 \times 10^6 \text{ k-in}^2$
 $L = 120 \text{ in}$

Using stiffness matrix of beam, find the rotation and end

Part 3: Find the Deflection at $x = L/2$ using shape function.

