MEEG Quiz 4.1m.081 A Gerber beam (*Gerberbalken*) with total length 4L has a hinge connection at C and constant flexural rigidity EI in its segments ABC and CDE. This beam is supported and loaded with a concentrated force $P \downarrow$ at D as shown. Determine (a) the slopes θ_B , θ_D , and θ_E at B, D, and E, respectively; (b) the slope $(\theta_C)_l$ just to the left of C; (c) the slope $(\theta_C)_r$ just to the right of C; (d) the deflection y_C at C; (e) the deflection y_D at D.

