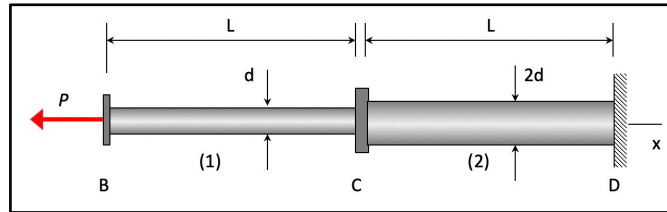
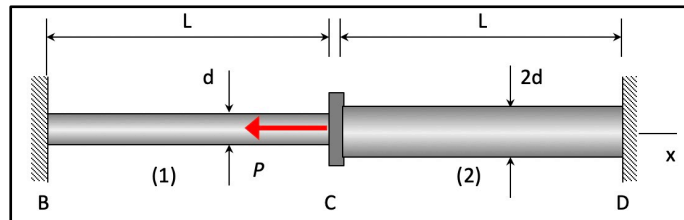


Quiz03 – 1:30 class

Question Q2 – DETERMINATE structure. Material properties do not influence member loads.



Question Q3 - INDETERMINATE structure. Material properties DO influence member loads.



Question Q4

$$|e_1| = |e_2| \Rightarrow \frac{|F_1|L}{EA_1} = \frac{|F_2|L}{EA_2} \Rightarrow |F_2| = \frac{A_2}{A_1}|F_1| > |F_1|$$

(In words, the stiffness of (2) is larger than the stiffness of (1), and therefore carries a larger load than (1).)

