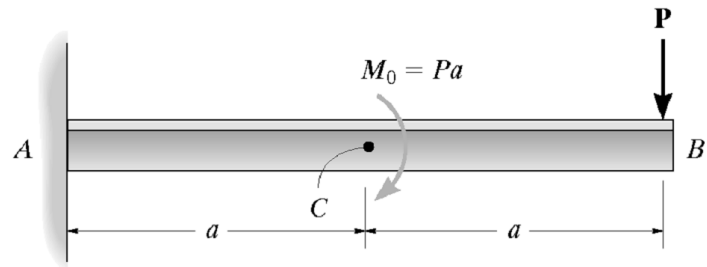


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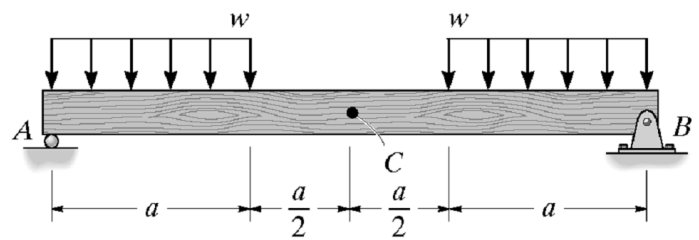
Student ID:

AM21: Bending Deflections by Moment-Area Theorems

1. Determine the slope at C and the deflection at B . EI is constant.



2. The beam is subjected to the loading shown. Determine the slope at B and deflection at C . EI is constant.

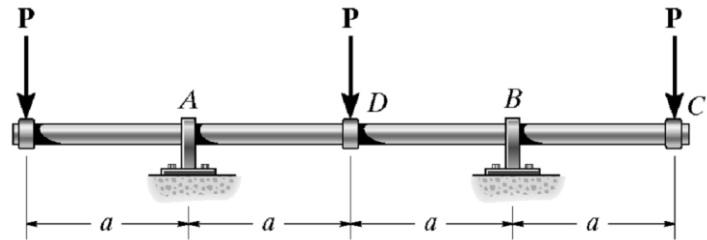


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AM21: Bending Deflections by Moment-Area Theorems

3. Determine the slope at B and the displacement at C . The bearings at A and B exert only vertical reactions on the shaft. EI is constant.



4. Determine the magnitude of force F in terms of P that must be applied at the end of the overhang C so that the deflection at C is zero. EI is constant.

