Problemas sobre vigas

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Resuelva correctamente el siguiente problema:

P4–5. The rigid beam supports the load of 60 kN. Determine the displacement at B. Take $E = 60$ GPa, and $A_{BC} = 2\,(10^{-3})\ \text{m}^2$.

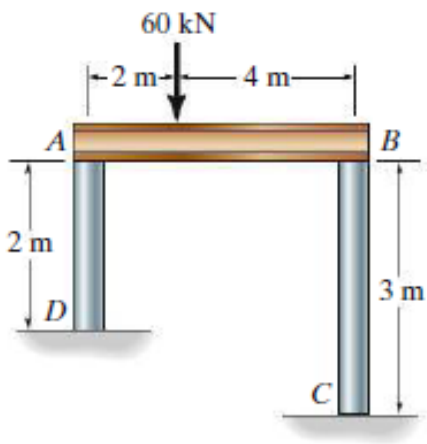

Fig. 1. This is a caption

DATOS:
ABC: 2(10-3)M
E: 60 C1.PA
Σ:FY=0

Σ: M=0

PROCEDIMIENT0:

ΣFY=0
Fba+fbc-60kn=0
-(2m)(60kn)+(6m)Fpc=0
-120kmn+Fbc(6m)=0
Fbc=$\frac{120knm}{6m}$ =20 M
Fda+20kn=60kn=0
fad=60-20=40
Σbc:$\frac{pl}{ab}$ $\frac{(-20x10-3kn)(3kn)}{2x10-3m(60x10-4MKN)}$ =5X10-3