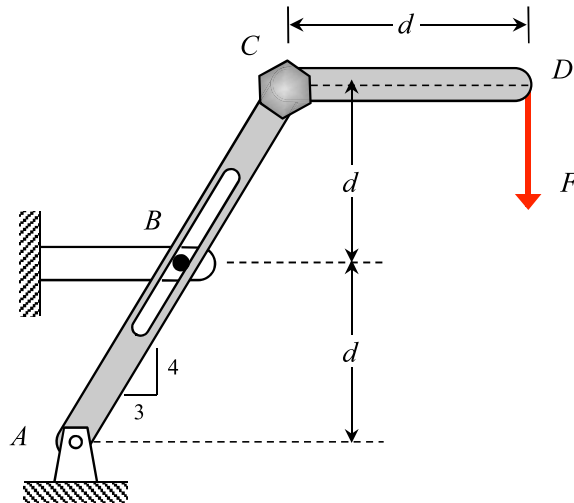


Homework H9.A

Given: A structure is supported by a pin joint at A and by a smooth pin-in-slot joint at B. A vertical force F acts on the structure at D. The weight of the structure is negligible compared to the load F .

Find: Determine the reactions on the structure at A and B. Express your answers as vectors in terms of F .



Homework H9.B

Given: An L-shaped bent bar is supported by smooth rollers at ends A and C, and by cable DE at E. A horizontal force F acts on the bar at location H. The weight of the bar is negligible compared to the load F .

Find: Determine the reactions on the bar at A and C, and the tension in cable DE. Express your answers in terms of F .

