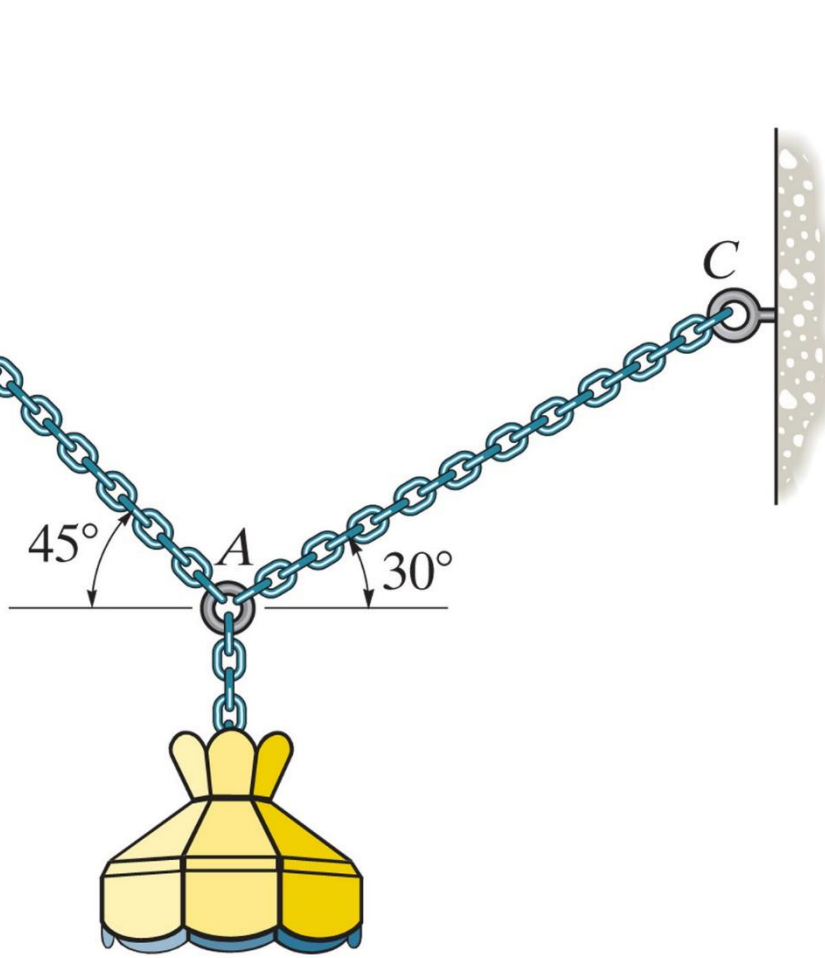
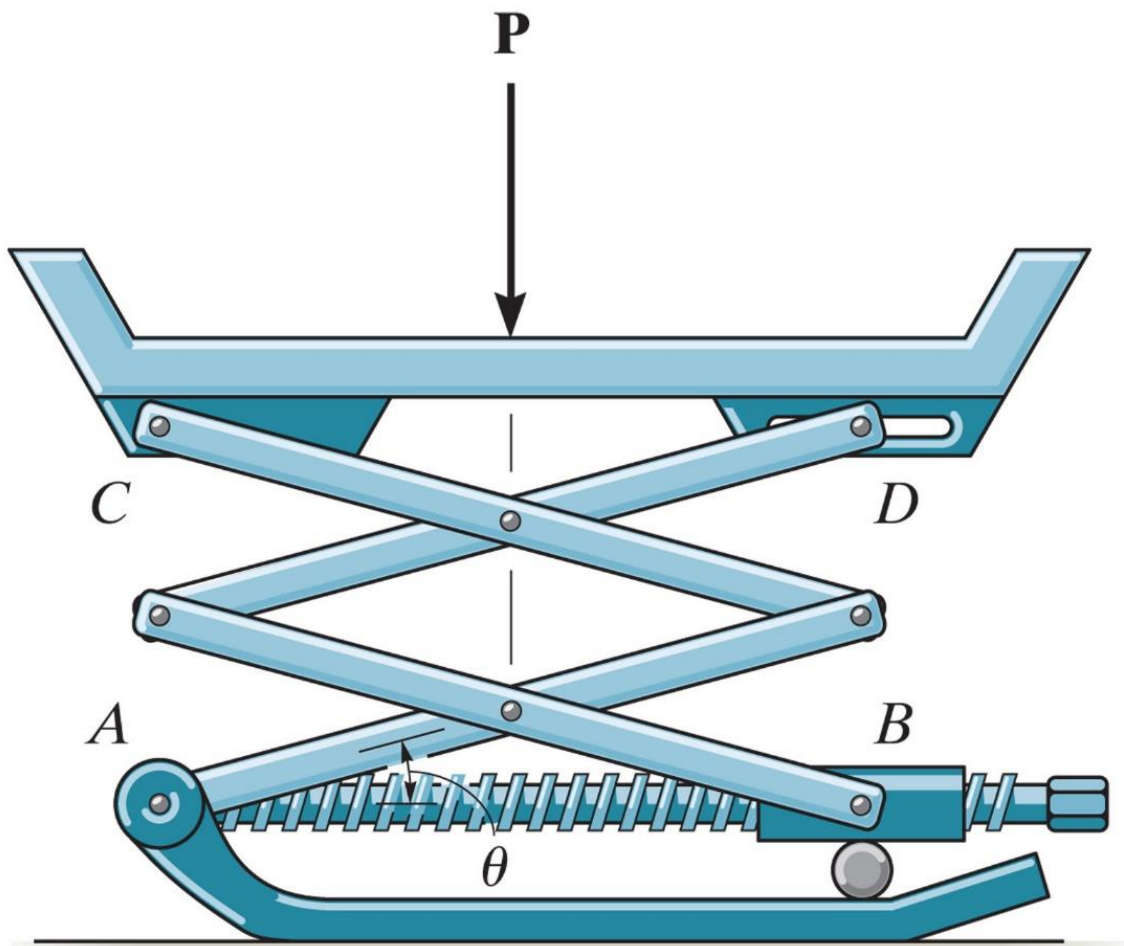


# To do ...

- Quiz 7 – good luck!
  - Last day of office hours and piazza help: **Wed, Dec 13**
  - No discussion sections next week
  - TAM 211 final starts Thurs, Dec 14
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- HW 27 ME due **Sat (Dec 9) – Last one!!**
  - HW 26 PL due **Tues (Dec 12) – Last one!!**



Determine the tension in the cable  $AC$ . The lamp weighs  $10\text{ lb}$ .



The scissors jack supports a load  $P$ . Determine the axial force in the screw necessary for equilibrium when the jack is in the position  $\theta$ .

The flywheel is subjected to a torque  $M$  of 75 Nm. Determine the horizontal compressive force  $F$  and plot the result versus the equilibrium position  $\theta$ .

