

# Announcements

- Discussion group – 8% of grade!
- Check your grades on compass (--  $\neq$  0)
- Sign up for Quiz 4 (CBTF next week)

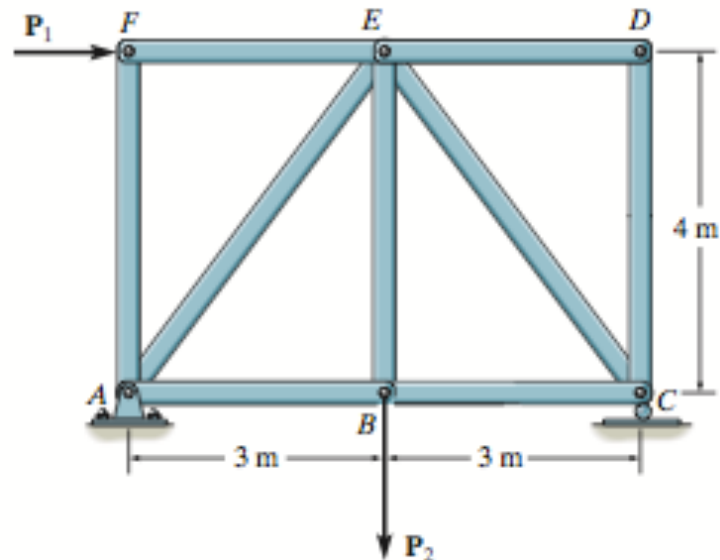
## ☐ Upcoming deadlines:

- Tuesday (10/10)
  - PL HW12
- Thursday (10/12)
  - ME HW13
- Friday (10/13)
  - WA #2



# Recap

- Truss Analysis — Joint/pin method



# Internal forces

- How are two-force members being held together internally?

Tension

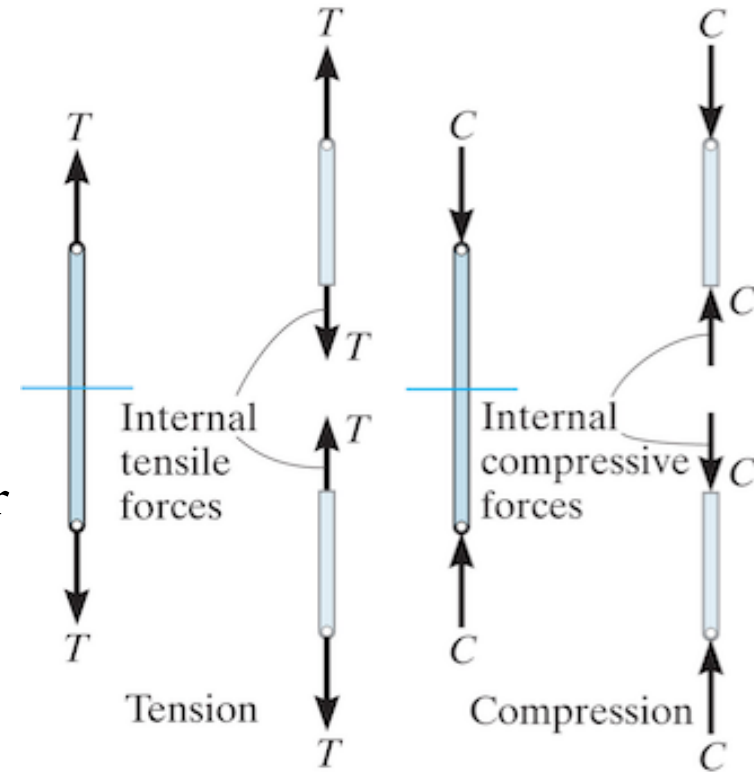
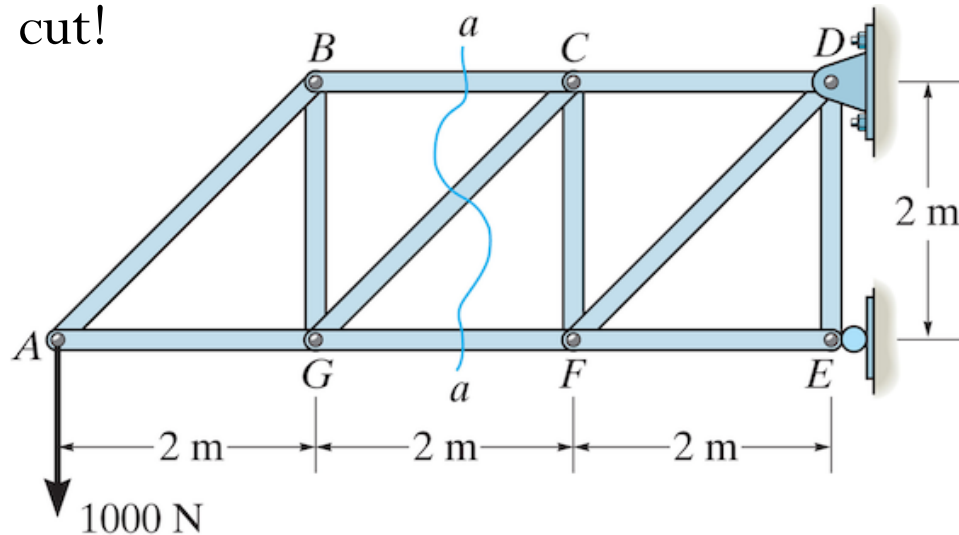


Compression

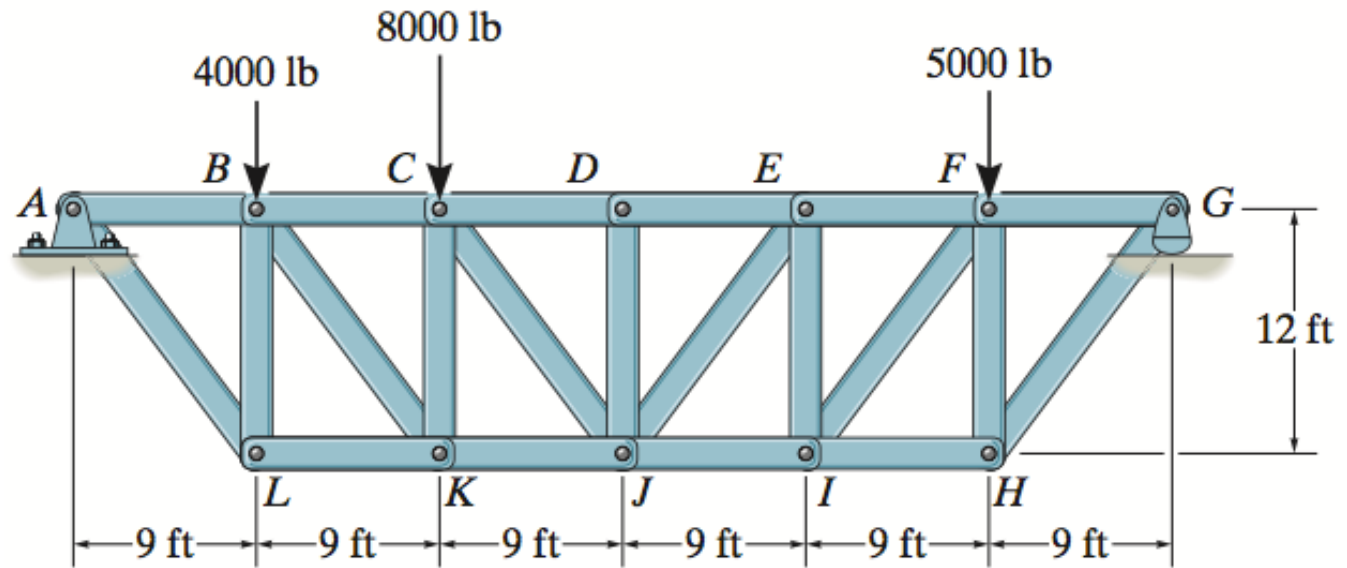


# Method of sections

- Determine external support reactions
- “Cut” the structure at a section of interest into two separate pieces and set either part into force and moment equilibrium
- Be aware of number of unknowns after your cut!



Determine the force in members  $EI$  and  $JI$  of the truss which serves to support the deck of a bridge. State if these members are in tension or compression.



Determine the force in members  $BF$ ,  $BG$ , and  $AB$ , and state if the members are in tension or compression.

