

**Homework on §2.2**—assigned Wed 9/11 and due Fri 9/13

Construct a derivation to show:

$$A \wedge B, (C \wedge D) \wedge E \vDash C \wedge (B \wedge D)$$

Notice that this is the same as showing that the following argument is valid:

$$\frac{\begin{array}{c} A \wedge B \\ (C \wedge D) \wedge E \end{array}}{C \wedge (B \wedge D)}$$

So your derivation should begin with the premises  $A \wedge B$  and  $(C \wedge D) \wedge E$  on separate lines.