

### **A Note about Proof-Checker and the Derived Rules**

One of your classmates has asked whether the proof-checker will work with the five derived rules. It will, but there are some slight adjustments that you will have to make in order to use it. The proof-checker will not recognize the names that I have given to most of the derived rules. Here is what you must use instead in order for the proof checker to work properly:

$\vee N$  must be replaced with DM

$\&N$  must be replaced with DM

$\rightarrow N$  must be replaced with NEG  $\rightarrow$

$\leftrightarrow N$  must be replaced with NEG  $\leftrightarrow$

If you look at the sequents in exercise 1.5, you will see in the right column the names of these rules. The key sequents are: S11, S18, S19, S22, and S41-42.