

PHIL 155 : Introduction to Mathematical Logic

Assignment One

Before completing this assignment you should have read chapters 1-4 of *Language, Proof and Logic*.

1. Validity and Soundness: do exercises 2.22 and 2.23
2. Translation: do exercises 3.23 and 3.24
3. Logical possibility and Necessity: do exercises 4.15, 4.5, and 4.18
4. Truth tables and Consequence: do exercises 4.22, 4.23 and 4.24.



N.B. When you are finished, make sure the Grade Grinder sends your Submit-able files to your TA. (Submitting work to Professor Russell is not a way of turning it in.) Work that is to be “turned in” rather than submitted goes in your TA’s mailbox in the Philosophy Department lounge on the 1st floor of Caldwell Hall by 3.30pm on the day it is due.