

# PHI 4065 : Advanced Philosophy of Language

## Problem Set 4: First Order Models

All exercises are in Fitting and Mendelsohn:

1. Do the even numbered problems in exercise 4.6.1 (page 101.) Support your answers to at least 2 of these 4 problems with model-theoretic proofs or counterexamples. (I recommend modelling your answers on those in examples 4.6.11 and 4.6.12.)
2. Do the even numbered problems in exercise 4.7.1., again supporting at least 2 of your answers with model-theoretic proof or counterexample. (page 105)
3. Do exercise 4.9.3 (page 115.)
4. List and briefly describe (in 2 or 3 sentences) 2 or 3 things that you think are puzzling about modality and/or the modal logic as we have studied it in chapters 1-4 of Fitting and Mendelsohn.

Due date: Friday 30th March.

