Final Homework Assignment
Model Theory
Institute for Logic, Language and Computation
Universiteit van Amsterdam

All Homework (a total of 10 assignments) is due by the following date(s):

- **March 22** in my mailbox[1], or

- **March 31** by email: `epacuit@science.uva.nl` (Please put "Model Theory Homework" in the subject line.)

1. Section 5.6: 3 (K̈onig's Lemma) *There is a well-known proof which chooses elements of the infinite branch by induction on the height of the tree. However, for full credit, your proof should be like the proof of Ramsey's Theorem we discussed in class.*

2. Section 8.5: 2

3. Section 8.5: 8

4. Section 8.5: 10

Extra Credit: Read Section 7.4 (you will need some material from other sections in Chapter 7) and solve problems 2 and 3 on page 207.

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[1]Homework handed into my mailbox after May 22 will not be counted towards your grade