1st Homework sheet Model Theory

- Deadline: 11 February.

- Submit your solutions by handing them to the lecturer at the *beginning of the lecture at 15:00.*

- Good luck!

Exercise 1 Let L be signature and M and N be two L-structures. Show that if M is finite and M and N are elementarily equivalent, then M and N are isomorphic.

Hint: You may find it helpful to first think about the special case where the language L is finite.