

Exercises.

6.0 Study Chapter 3.5–3.9

6.1 Exercise 3.6.1

6.2 Exercise 3.6.2

6.3 Exercise 3.6.3

6.4 Exercise 3.6.6

Optional Exercises.

1. We call a set M *countable* if it is not finite and if there is a surjective map of the natural numbers \mathbb{N} onto M . Show that, if the list of propositional letters is countable, the entire set of propositional formulas is countable as well.
2. Exercise 3.6.4
3. Exercise 3.6.5
4. Exercise 3.8.1
5. Exercise 3.8.2