

# Seminar logic, Hand-in exercise 9

April 18, 2024

## **Exercise 1**

Check that the Freyd topos is a topos, that is: check that its covers form a Grothendieck topology.

## **Exercise 2**

Prove theorem 1i. That is show that the Freyd topos is classical in the sense that the axiom of the excluded middle holds for its standard interpretation.