## Homework #2 due October 25, Tuesday 2022, before recitation

(1) Try to simplify the following expressions and justify your simplification.

(2) Convert the regular expression  $((0.0^*.(1.1)) + 0.1)^*$  into an  $\varepsilon$ -NFA

## (3) Problems from the textbook

- 3.1.1 (b) and (c)
- 3.1.4 (b) and (c)
- 3.2.1 (c) and (d)
- 3.2.3