

## Formal Languages and Automata Theory, SS 2020. Homework 6 (due Week 7)

1. Find regular grammars for the automata from Homework 5, exercise 1.
2. Transform the regular grammars from the previous exercise into left-linear ones.
3. Transform the following left-linear grammars  $G = (V_N, V_T, S, P)$  into right-linear ones.
  - $V_N = \{A, B, C\}$ ,  $V_T = \{a, b\}$ ,  $S, P = \{C \rightarrow Bc, B \rightarrow Ab, A \rightarrow a\}$
  - $V_N = \{S, B\}$ ,  $V_T = \{0, 1\}$ ,  $S, P = \{S \rightarrow B00|S11, B \rightarrow B0|B1|011\}$