

Formal Languages and Automata Theory, SS 2019. Homework 5 (due Week 6)

1. Construct deterministic finite automata equivalent with the nondeterministic ones from Homework 4, exercise 2, .
2. Find regular grammars for the automata from Homework 4, exercise 2.
3. Transform the regular grammars from the previous exercise into left-linear ones.
4. Transform the following left-linear grammars $G = (V_N, V_T, S, P)$ into right-linear ones.
 - $V_N = \{A, B, C\}$, $V_T = \{a, b\}$, $S, P = \{C \rightarrow Bc, B \rightarrow Ab, A \rightarrow a\}$
 - $V_N = \{S, B\}$, $V_T = \{0, 1\}$, $S, P = \{S \rightarrow B00|S11, B \rightarrow B0|B1|011\}$