

Formal Languages and Automata Theory, SS 2017. Homework 3 (due Week 7, respectively 8)

0. Remaining exercises from previous homeworks.
1. Specify the languages represented by the following regular expressions:
 - (a) $(11|0)^*(00|1)^*$;
 - (b) $(1|01|001)^*(\varepsilon|0|00)$;
 - (c) $10|(0|11)0^*1$;
 - (d) $((0|1)(0|1))^*$;
 - (e) $01^*|1$;
 - (f) $((11)^*|101)^*$.
2. Build the ε -NFAs that recognize the languages specified at the previous exercise.