Exercises to the Lecture FSVT

Prof. Dr. Klaus Madlener   sheet 3

Exercise 1:

Define an ASM implementing a finite state automaton with output.

Exercise 2:

Define an ASM, implementing Markov's normal algorithms, e.g. $ab \rightarrow A, ba \rightarrow B, c \rightarrow C$.

Exercise 3:

Do Exercise 3.20 from the slides, realizing Kruskal's algorithm by an ASM.

Exercise 4:

Prove the lemmata on the properties of the reserve from slides 111 and 112.

Exercise 5:

Do exercise 3.21 from slide 113, an ASM-specification of the data structure bounded stack.

Delivery: until 06.11.2011,
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