SS 2010 08.11.2010

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. $ab \to A, ba \to B, c \to C$.

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 15.11.2010,
by E-Mail to huechting@informatik.uni-kl.de