

Exercises to the Lecture FSVT

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sheet 4

Exercise 9:

Define an ASM, implementing a finite state automaton with output.

Exercise 10:

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

Exercise 11:

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

Exercise 12:

Prove the lemmata on the properties of the reserve from slides 110 and 111.

Exercise 13:

Do exercise 3.21 from slide 112, an ASM-specification of the data structure bounded stack.

Delivery: until 2007-11-15, by EMail to Bernd Strieder