Universität Erlangen-Nürnberg Department of Computer Science 7 Dr.-Ing. U. Klehmet Introduction to Data Structures and Algorithms

Exercise sheet 1

Our first exercise we will use for:

- Some remarks and explanations to "Formal (programming) language"
- Repetition of proof methods we will apply in this course
 - Proofs by Induction
 - Direct proofs
 - Indirect proofs
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- Repetition of important mathematical fundamental terms which are used in the course like
 - Relation
 - Mapping
 - Permutation
 - Limit of a function
 - ...