

Introduction to Theoretical CS

Obsah

- Logic

Theoretical computer science study the mathematical solution of computer science – algorithms, computational complexity, formal languages and so on.

Logic

The notation for **sequent** $\Gamma = B_1, \dots, B_n \vdash A$ means that the sequence Γ of propositions B_1, \dots, B_n proved the conclusion A . Logic uses several **logical connective** – conjunction,

We have several logical postures: **assumptions** of sequents, **introduction of conjunction** \wedge_i and **elimination of conjunction** \wedge_e .