Computational Bioscience

Antonis C. Kakas

Department of Computer Science University of Cyprus

2 July, 2007

Summer School, Nicosia, Cyprus































Integration of Abduction & Induction

- > Abduction: problem solving given an adequate but incomplete model of the problem domain
 - Generates explanations: specific hypotheses on the incomplete part of the model
 - > Rationalizes/normalizes the observations.

> Integration with Induction

- > Feed explanations to Induction.
- Induction: development of the model by a (partial) theory for its incomplete part.

> Tight Integration

• Explanations and their Generalization are evaluated as a whole.

























