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Titolo	Advances in Natural Deduction : A Celebration of Dag Prawitz's Work / / edited by Luiz Carlos Pereira, Edward Haeusler, Valeria de Paiva
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Chapter 1. Generalizaed elimination inferences; Schroeder-Heister, Peter Chapter 2. Revisiting Zucker's work on the Correspondence between Cut-Elimination and Normalisation; Urban, Christian Chapter 3. Proofs, Reasoning and the Metamorphosis of Logic; Joinet, Jean-Baptiste Chapter 4. Natural Deduction for Equality: The Missing Entity; de Quieroz, Ruy J.G.B. and de Oliveira, Anjolina G Chapter 5. Proof-theoretical Conception of Logic; Legris, Javier Chapter 6. On the Structure of Natural deduction Derivations for "Generally"; Vana, Leonardo B., Veloso, Paulo A.S. , and Veloso, Sheila R.M Chapter 7. Type Theories from Barendregt's Cube for Theorem Provers; Seldin, Jonathan P Chapter 8. What is propositional logic, a theory of, if anything?; Chateaubriand, Oswaldo Chapter 9. Categorical Semantics of Linear Logic for All; de Paiva, Valeria Chapter 10. Rough sets and proof-theory; Bellin, Gianluigi Chapter 11. Decomposition of Reduction; Zimmermann, Ernst Chapter 12. An approach to general proof theory and a conjecture of a kind of completeness of intuitionistic logic revisited; Prawitz, Dag.
Sommario/riassunto	This collection of papers celebrating the contributions of Swedish logician Dag Prawitz to Proof Theory, has been assembled from those presented at the Natural Deduction conference organized in Rio de

Janeiro to honour his seminal research. Dag Prawitz's work forms the basis of intuitionistic type theory and his inversion principle constitutes the foundation of most modern accounts of proof-theoretic semantics in Logic, Linguistics and Theoretical Computer Science. The range of contributions includes material on the extension of natural deduction with higher-order rules, as opposed to higher-order connectives, and a paper discussing the application of natural deduction rules to dealing with equality in predicate calculus. The volume continues with a key chapter summarizing work on the extension of the Curry-Howard isomorphism (itself a by-product of the work on natural deduction), via methods of category theory that have been successfully applied to linear logic, as well as many other contributions from highly regarded authorities. With an illustrious group of contributors addressing a wealth of topics and applications, this volume is a valuable addition to the libraries of academics in the multiple disciplines whose development has been given added scope by the methodologies supplied by natural deduction. The volume is representative of the rich and varied directions that Prawitz work has inspired in the area of natural deduction. .