

1. Record Nr.	UNISA996518463503316
Autore	Ciardelli Ivano
Titolo	Inquisitive Logic [[electronic resource]] : Consequence and Inference in the Realm of Questions / / by Ivano Ciardelli
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031097065
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (XX, 272 p. 53 illus., 3 illus. in color.)
Collana	Trends in Logic, Studia Logica Library, , 2212-7313 ; ; 60
Disciplina	160
Soggetti	Logic Mathematical logic Mathematical Logic and Foundations Lògica matemàtica Inferència Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction -- 2. On the role of questions in logic -- 3. Questions in propositional logic -- 4. Reasoning with questions -- 5. Questions in first-order logic -- 6. Questions in modal logic -- 7. Connections with intuitionistic logic -- 8. Connections with dependence logic -- 9. Conclusion.
Sommario/riassunto	This open access book makes a case for extending logic beyond its traditional boundaries, to encompass not only statements but also also questions. The motivations for this extension are examined in detail. It is shown that important notions, including logical answerhood and dependency, emerge as facets of the fundamental notion of entailment once logic is extended to questions, and can therefore be treated with the logician's toolkit, including model-theoretic constructions and proof systems. After motivating the enterprise, the book describes how classical propositional and predicate logic can be made inquisitive—i.e., extended conservatively with questions—and what the resulting logics look like in terms of meta-theoretic properties and proof systems. Finally, the book discusses the tight connections between inquisitive

logic and dependence logic.
