Record Nr. Autore Titolo Pubbl/distr/stampa	UNINA9910810471103321 Vohra Rakesh V. Mechanism design : a linear programming approach / / Rakesh V. Vohra [[electronic resource]] Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-71423-0 0-511-83521-3 1-283-19323-X 1-139-07619-1 9786613193230 1-139-08302-3 1-139-07047-9 1-139-08075-X 1-139-07848-8
Descrizione fisica	1 online resource (x, 172 pages) : digital, PDF file(s)
Collana	Econometric Society monographs ; ; 47
Classificazione	BUS069030
Disciplina	658.4/033
Soggetti	Decision making - Linear programming Organizational behavior - Mathematical models Machine theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: 1. Introduction; 2. Arrow's theorem and its consequences; 3. Network flow problem; 4. Incentive compatibility; 5. Efficiency; 6. Revenue maximization; 7. Rationalizability.
Sommario/riassunto	Mechanism design is an analytical framework for thinking clearly and carefully about what exactly a given institution can achieve when the information necessary to make decisions is dispersed and privately held. This analysis provides an account of the underlying mathematics of mechanism design based on linear programming. Three advantages characterize the approach. The first is simplicity: arguments based on linear programming are both elementary and transparent. The second is unity: the machinery of linear programming provides a way to unify

1.

results from disparate areas of mechanism design. The third is reach:
the technique offers the ability to solve problems that appear to be
beyond solutions offered by traditional methods. No claim is made that
the approach advocated should supplant traditional mathematical
machinery. Rather, the approach represents an addition to the tools of
the economic theorist who proposes to understand economic
phenomena through the lens of mechanism design.