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Chapter 3. Online Models for Set-covering: The Flaw of Greediness 3.1. Introduction; 3.2. Description of the main results and related work; 3.3. The price of ignorance; 3.4. Competitiveness of TAKE-ALL and TAKE-AT-RANDOM; 3.4.1. TAKE-ALL algorithm; 3.4.2. TAKE-AT-RANDOM algorithm; 3.5. The nasty flaw of greediness; 3.6. The power of look-ahead; 3.7. The maximum budget saving problem; 3.8. Discussion; 3.9. Bibliography; Chapter 4. Comparison of Expressiveness for Timed Automata and Time Petri Nets; 4.1. Introduction; 4.2. Time Petri nets and timed automata

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Chapter 6. The Patrolling Problem: Theoretical and Experimental Results

Sommario/riassunto

This volume is dedicated to the theme "Combinatorial Optimization - Theoretical Computer Science: Interfaces and Perspectives" and has two main objectives: the first is to show that bringing together operational research and theoretical computer science can yield useful results for a range of applications, while the second is to demonstrate the quality and range of research conducted by the LAMSADE in these areas.
