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for Plan-Space Planning; 5.5 Extensions; 5.6 Plan-Space versus State-Space Planning; 5.7 Discussion and Historical Remarks; 5.8 Exercises; Part II: Neoclassical Planning; Chapter 6. Planning-Graph Techniques; 6.1 Introduction; 6.2 Planning Graphs; 6.3 The Graphplan Planner; 6.4 Extensions and Improvements of Graphplan; 6.5 Discussion and Historical Remarks; 6.6 Exercises; Chapter 7. Propositional Satisfiability Techniques; 7.1 Introduction; 7.2 Planning Problems as Satisfiability Problems; 7.3 Planning by Satisfiability  
7.4 Different Encodings 7.5 Discussion and Historical Remarks; 7.6 Exercises; Chapter 8. Constraint Satisfaction Techniques; 8.1 Introduction; 8.2 Constraint Satisfaction Problems; 8.3 Planning Problems as CSPs; 8.4 CSP Techniques and Algorithms; 8.5 Extended CSP Models; 8.6 CSP Techniques in Planning; 8.7 Discussion and Historical Remarks; 8.8 Exercises; Part III: Heuristics and Control Strategies; Chapter 9. Heuristics in Planning; 9.1 Introduction; 9.2 Design Principle for Heuristics: Relaxation; 9.3 Heuristics for State-Space Planning; 9.4 Heuristics for Plan-Space Planning  
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Chapter 12. Control Strategies in Deductive Planning

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### Sommario/riassunto

Automated planning technology now plays a significant role in a variety of demanding applications, ranging from controlling space vehicles and robots to playing the game of bridge. These real-world applications create new opportunities for synergy between theory and practice: observing what works well in practice leads to better theories of planning, and better theories lead to better performance of practical applications. Automated Planning mirrors this dialogue by offering a comprehensive, up-to-date resource on both the theory and practice of automated planning. The book goes well b

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