Progress As Real Problem Solvers: Operations Research Computer Science

Operations research (OR) and computer science (CS) are two fields that have a long history of collaboration. OR provides the mathematical and analytical tools that CS can use to solve complex real-world problems. This book explores the latest advances in OR/CS collaboration, and how they are being used to make a difference in the world.

Metaheuristics:: Progress as Real Problem Solvers (Operations Research/Computer Science Interfaces Series Book 32)

★★★★★ 5 out of 5

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Print length : 426 pages

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Chapter 1: to Operations Research and Computer Science

This chapter provides an overview of OR and CS, and how they can be used together to solve problems. It also discusses the history of OR/CS collaboration, and the challenges and opportunities that lie ahead.

Chapter 2: Optimization

Optimization is a key area of OR, and it is used to find the best solution to a problem. This chapter discusses the different types of optimization problems, and the algorithms that are used to solve them.

Chapter 3: Data Analysis

Data analysis is another important area of OR, and it is used to extract insights from data. This chapter discusses the different types of data analysis techniques, and how they can be used to solve problems.

Chapter 4: Machine Learning

Machine learning is a subfield of AI that is used to train computers to learn from data. This chapter discusses the different types of machine learning algorithms, and how they can be used to solve problems.

Chapter 5: Applications of OR/CS

This chapter discusses some of the real-world applications of OR/CS. These applications include:

* Scheduling * Routing * Inventory management * Supply chain management * Healthcare * Finance * Manufacturing

OR/CS is a powerful combination that can be used to solve complex real-world problems. This book has provided an overview of the latest advances in OR/CS collaboration, and how they are being used to make a difference in the world.

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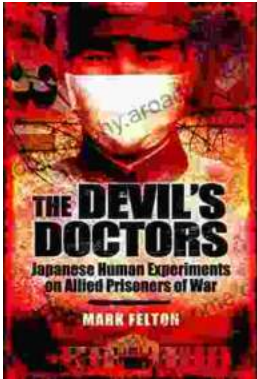
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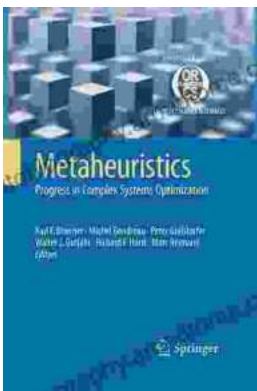File size   : 106211 KB
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