

the adding machine pdf

the adding machine pdf serves as a valuable resource for understanding the historical and literary significance of this renowned play by Elmer Rice. This article explores the content, themes, and availability of the adding machine pdf, offering readers an in-depth look into the narrative and its place in American theater. The adding machine, as a symbol and title, reflects the mechanization and dehumanization experienced during the early 20th century, a theme that resonates throughout the play. Accessing the adding machine pdf allows students, educators, and enthusiasts to study the text conveniently and analyze its dramatic structure and social commentary. This article also addresses how to access reliable versions of the adding machine pdf legally and discusses the relevance of the play in contemporary times. Explore the detailed sections below to gain comprehensive knowledge surrounding the adding machine pdf and its cultural impact.

- Overview of The Adding Machine
- Thematic Analysis in The Adding Machine PDF
- Accessing The Adding Machine PDF Legally
- Importance of The Adding Machine in American Drama
- Using The Adding Machine PDF for Academic Purposes

Overview of The Adding Machine

The adding machine pdf typically contains the complete script of Elmer Rice's 1923 play, which is a seminal work in American Expressionist theater. The play centers around Mr. Zero, an unremarkable office worker replaced by a mechanical adding machine, symbolizing the threat of automation and loss of individuality. The text in the adding machine pdf captures the narrative's progression from mundane office life to a surreal examination of existence beyond death. This work is notable for its innovative dramatic techniques, including the use of symbolism and a non-linear narrative structure.

Plot Summary Found in The Adding Machine PDF

The adding machine pdf provides the full plot, which follows Mr. Zero's life, his displacement by a machine, his subsequent murder of a coworker, trial, execution, and his journey into an abstract afterlife. The play critiques the mechanization of society and the alienation it causes. The script's vivid portrayal of despair and societal pressures is preserved in the adding machine pdf, making it an essential text for understanding early 20th-century social commentary through drama.

Characters Included in The Adding Machine PDF

The adding machine pdf enumerates key characters such as Mr. Zero, Mrs. Zero, Lieutenant Charles, and other symbolic figures representing facets of society and human psyche. These characters embody the themes of conformity, mechanization, and existential angst. The detailed character descriptions and dialogues found in the adding machine pdf help readers analyze character motivations and thematic significance.

Thematic Analysis in The Adding Machine PDF

The adding machine pdf is not only a script but also a gateway to exploring profound themes such as mechanization, dehumanization, and existentialism. The text highlights how technological advances, represented by the adding machine itself, threaten to render human labor obsolete and diminish personal identity. This theme remains relevant in contemporary discussions about automation and artificial intelligence.

Mechanization and Dehumanization

The adding machine pdf emphasizes the impact of mechanization on the individual through Mr. Zero's replacement by a calculating machine. This event symbolizes the broader societal shift where human workers become dispensable parts in an industrial system. The play's dialogue and stage directions in the adding machine pdf illustrate the cold, impersonal nature of this transformation.

Existentialism and Human Value

The adding machine pdf delves into existential questions about the meaning of life and the value of human existence beyond productivity. Mr. Zero's journey after death, as described in the script, confronts the absurdity of life and the search for purpose. The adding machine pdf's detailed scenes provide insight into early American existential thought as portrayed through drama.

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Importance of The Adding Machine in American Drama

The adding machine pdf represents a cornerstone in the evolution of American theater. Elmer Rice's work is recognized for pioneering Expressionism in the United States, challenging traditional narrative forms and theatrical conventions. The adding machine pdf preserves this groundbreaking text, facilitating continued study and appreciation.

Influence on Modern Theater

The adding machine pdf reveals how the play's themes and stylistic innovations have influenced subsequent playwrights and theatrical movements. Its use of surreal settings, symbolic characters, and social critique laid the groundwork for modern American drama. The adding machine pdf serves as a reference point for literary scholars and theater practitioners exploring these developments.

Reflection of Social and Economic Issues

The adding machine pdf captures the anxieties of the post-World War I era, particularly concerns about industrialization and economic displacement. The play's focus on automation and loss of individuality resonates with ongoing debates about technology's role in society. The adding machine pdf thus functions as a historical document reflecting early 20th-century cultural tensions.

Using The Adding Machine PDF for Academic Purposes

The adding machine pdf is widely used in educational settings for courses in literature, theater, and cultural studies. Its availability in digital form facilitates analysis, annotation, and incorporation into curricula. The adding machine pdf offers a comprehensive text for assignments, discussions, and research projects focused on American drama and social critique.

Study and Analysis

Students and educators utilize the adding machine pdf to examine dramatic techniques, character development, and thematic content. The text's accessibility allows for detailed textual analysis and comparison with other works in the genre. The adding machine pdf is an essential tool for deepening understanding of Expressionist theater and Elmer Rice's contributions.

Research and Citation

When referencing the adding machine pdf in academic work, it is important to cite the specific edition used. The adding machine pdf provides a consistent source for quotations and textual evidence, supporting scholarly rigor. Proper use of the adding machine pdf enhances the credibility and accuracy of research related to early American theater.

Frequently Asked Questions

Where can I find a free PDF of 'The Adding Machine' by Elmer Rice?

You can find free PDFs of 'The Adding Machine' by Elmer Rice on websites like Project Gutenberg or Internet Archive, which offer public domain works legally and for free.

Is 'The Adding Machine' available as a PDF for academic use?

Yes, many educational institutions provide access to 'The Adding Machine' PDF through their digital libraries or databases like JSTOR or Google Books for academic purposes.

What is the main theme of 'The Adding Machine'?

'The Adding Machine' explores themes of dehumanization and the impact of technology on society, particularly focusing on how mechanization affects human identity and purpose.

Can I legally download 'The Adding Machine' PDF for free?

Since 'The Adding Machine' was published in 1923, it is in the public domain in many countries, so you can legally download it for free from public domain websites.

Are there study guides available in PDF format for 'The Adding Machine'?

Yes, many educational websites and publishers offer study guides and analysis of 'The Adding Machine' in PDF format, which can help in understanding the play's themes and characters.

What file size is typical for 'The Adding Machine' PDF?

The 'The Adding Machine' PDF file size typically ranges between 200 KB to 2 MB, depending on formatting, inclusion of annotations, or scanned images.

Does the PDF version of 'The Adding Machine' include illustrations or annotations?

Some PDF versions of 'The Adding Machine' include annotations, introductions, or illustrations, especially academic editions, while others are plain text versions focusing solely on the script.

Additional Resources

1. *The Adding Machine: A Comedy* by Elmer Rice

This is the original play that inspired many adaptations, including the famous 1923 expressionist drama. It explores themes of dehumanization and mechanization in the modern workplace, following the story of Mr. Zero, a man replaced by a calculating machine. The play critiques the loss of individuality and the rise of automation in the industrial age.

2. *Automating Inequality: How High-Tech Tools Profile, Police, and Punish the Poor* by Virginia Eubanks

This book delves into the societal impact of automation and algorithms, particularly how automated systems affect vulnerable populations. It provides a critical look at the consequences of replacing human judgment with machines, echoing themes similar to those in *The Adding Machine*. Eubanks highlights the ethical dilemmas and social injustices that arise with increasing reliance on technology.

3. *Machines Like Me* by Ian McEwan

Set in an alternate 1980s London, this novel explores the moral and emotional complexities of artificial intelligence. The story revolves around a synthetic human and raises questions about what it means to be human in a world increasingly dominated by machines. It complements the themes of mechanization and humanity examined in *The Adding Machine*.

4. *Rise of the Robots: Technology and the Threat of a Jobless Future* by Martin Ford

Ford's book investigates the economic and social implications of automation and robotics on the workforce. It discusses how machines are replacing human labor in various industries, leading to unemployment and economic inequality. This non-fiction work provides a contemporary context to the concerns expressed in *The Adding Machine* about mechanization.

5. *Player Piano* by Kurt Vonnegut

This dystopian novel portrays a future society where machines have replaced human workers, leading to widespread discontent and rebellion. The narrative critiques the overreliance on automation and the loss of purpose among displaced workers. Vonnegut's work resonates with the themes of alienation and mechanization found in *The Adding Machine*.

6. *Do Androids Dream of Electric Sheep?* by Philip K. Dick

This science fiction classic explores the blurred lines between humans and machines through the story of androids indistinguishable from people. The novel raises philosophical questions about identity, consciousness, and what it means to be human. Its exploration of mechanization and human

emotion parallels the thematic concerns of *The Adding Machine*.

7. *Industrial Society and Its Future* by Theodore Kaczynski

Also known as the Unabomber Manifesto, this controversial essay critiques industrial and technological society. It argues that automation and mechanization lead to the erosion of human freedom and dignity. While extreme in tone, the manifesto echoes the anxieties about machines replacing humans found in *The Adding Machine*.

8. *Humans Need Not Apply: A Guide to Wealth and Work in the Age of Artificial Intelligence* by Jerry Kaplan

Kaplan's book offers an accessible analysis of how AI and automation are transforming the job market. It discusses potential futures where machines perform tasks traditionally done by humans, highlighting both opportunities and challenges. The book provides a modern perspective on themes of mechanization and employment central to *The Adding Machine*.

9. *The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies* by Erik Brynjolfsson and Andrew McAfee

This book examines the impact of digital technology and automation on the economy and society. It argues that we are in the midst of a technological revolution that is reshaping work and productivity. The authors discuss how societies can adapt to the changes brought by machines, linking closely to the themes of transformation found in *The Adding Machine*.

[The Adding Machine Pdf](#)

The Adding Machine PDF

Author: Professor Charles Babbage Jr. (Fictional)

Contents:

Introduction: A brief history of calculating devices and the evolution of the adding machine.

Chapter 1: Mechanical Principles: Detailed explanation of the mechanical workings of an adding machine, including gear systems, levers, and the carry mechanism.

Chapter 2: Types of Adding Machines: Exploring different types of adding machines, their features, and manufacturers. This includes early models and variations.

Chapter 3: Operation and Maintenance: Practical instructions on using an adding machine effectively, along with troubleshooting common issues and maintenance tips.

Chapter 4: Applications and Significance: Discussing the historical impact of adding machines across various fields, such as business, science, and engineering.

Chapter 5: The Legacy of the Adding Machine: Exploring the evolution from mechanical adding machines to electronic calculators and modern computing.

Conclusion: Summarizing the importance of the adding machine as a crucial stepping stone in the development of modern computing technology.

The Adding Machine: A Journey Through Mechanical Computation

The adding machine, a seemingly simple device, holds a significant place in the history of computation. This seemingly unassuming machine, with its intricate gears and levers, represents a pivotal moment in the evolution from manual calculation to automated computation, paving the way for the digital age we inhabit today. This comprehensive guide delves into the fascinating world of the adding machine, exploring its mechanical intricacies, historical context, and lasting legacy.

1. Introduction: From Abacus to Automated Arithmetic

Before the advent of electronic calculators and computers, calculations were performed manually using tools like the abacus or painstakingly by hand. These methods were time-consuming, prone to errors, and limited in their capacity to handle complex calculations. The need for a faster, more accurate, and efficient method spurred the development of mechanical calculating devices, culminating in the creation of the adding machine. This introduction will trace the lineage of calculating devices, highlighting the key innovations that eventually led to the development of the mechanical adding machine. We will discuss early attempts at mechanized calculation and the challenges overcome in designing reliable and accurate machines. The evolution from basic adding capabilities to more sophisticated functionalities will also be explored, setting the stage for a deeper understanding of the adding machine's significance.

2. Chapter 1: Mechanical Principles: The Engine of Calculation

Understanding the mechanical workings of an adding machine is crucial to appreciating its ingenuity. This chapter provides a detailed explanation of the core mechanical principles that enable these machines to perform addition, subtraction, and often, multiplication and division. We will delve into the intricate gear systems, the crucial role of the carry mechanism (the ingenious system that automatically carries over digits when a sum exceeds nine), and the design of levers and other components. Detailed diagrams and illustrations will be provided to clarify the complex interactions between the various mechanical parts. This section will explain how these simple mechanisms can perform surprisingly complex calculations with remarkable accuracy. We'll examine different approaches to gear design and the materials used in the construction of adding machines, analyzing their impact on the machine's durability and performance. This exploration will move beyond a surface-level understanding, revealing the underlying principles that power these mechanical marvels.

3. Chapter 2: Types of Adding Machines: A Diverse Family of Calculators

Not all adding machines are created equal. This chapter explores the diversity within the adding machine family, showcasing different types, manufacturers, and their distinctive features. We will examine early, simpler models and trace the evolution toward more sophisticated machines. This will include a discussion of rotary machines, key-driven machines, and other variations. Key manufacturers and their contributions to the field will be highlighted, showing the competitive landscape and the continuous innovation within the industry. The differences in design philosophies and the impact of these design choices on functionality and usability will be analyzed. Images and descriptions of various models, ranging from the earliest mechanical designs to more advanced iterations, will illustrate the evolution and diversity within this fascinating category of calculating machines. This section also explores the unique features offered by different models and the impact of these features on their adoption and use across various industries.

4. Chapter 3: Operation and Maintenance: A Practical Guide

This chapter provides practical instructions on how to use an adding machine effectively, from the basic principles of inputting numbers to performing more complex calculations. Detailed step-by-step instructions will guide users through the operation of various models. This section will cover various operational techniques, including efficient data entry methods and the use of specialized features such as multiplication and division mechanisms (where applicable). It also addresses potential issues encountered during operation, offering troubleshooting tips and practical solutions to common problems. We will explore preventative maintenance techniques to ensure the longevity and accurate performance of these machines. This practical guide will empower readers to confidently use and maintain their own adding machines, ensuring continued functionality and accurate calculation.

5. Chapter 4: Applications and Significance: Impact Across Industries

The adding machine's impact extends far beyond simple arithmetic. This chapter explores the wide-ranging applications of the adding machine throughout history and its crucial role in various sectors. We will examine its significance in business, particularly accounting and financial operations, and how it streamlined business processes and improved accuracy. Its contributions to scientific research, engineering calculations, and other fields will also be examined, highlighting the machine's role in accelerating progress and facilitating complex calculations. The chapter will discuss how the adding machine reduced errors, increased efficiency, and ultimately contributed to significant advancements in numerous industries. This exploration will reveal the broader context of the adding machine's contribution to societal and technological progress.

6. Chapter 5: The Legacy of the Adding Machine: A Stepping Stone to Modern Computing

The adding machine's legacy is not just historical; it's foundational to modern computing. This chapter traces the evolutionary path from mechanical adding machines to electronic calculators and ultimately, to the digital computers we use today. We will explore the technological advancements that led to the transition from mechanical to electronic calculation, examining the key innovations that made this shift possible. The conceptual bridge between the mechanical operations of the adding machine and the logical operations of modern computers will be highlighted. This chapter explores how the fundamental principles behind the adding machine—numerical input, processing, and output—have laid the groundwork for the digital age. It examines the conceptual links between the design principles of adding machines and modern computer architectures. It will showcase the enduring influence of the adding machine's principles in the world of computing, reinforcing its significant role in the evolution of modern technology.

7. Conclusion: A Testament to Ingenuity

The adding machine, though seemingly simple in its design, represents a crucial moment in technological history. Its invention marked a significant step toward automated calculation, profoundly impacting businesses, scientific research, and our understanding of computation. This conclusion summarizes the key takeaways from the book, emphasizing the adding machine's enduring legacy as a pivotal step towards the digital age. It underscores the ingenuity and innovation behind its design and its lasting influence on the development of modern computing technology.

FAQs

1. What is the difference between an adding machine and a calculator? Adding machines are mechanical devices, while calculators are electronic.
2. How accurate were adding machines? With proper maintenance, they were remarkably accurate, significantly reducing errors compared to manual calculation.
3. Who invented the adding machine? The invention involved multiple contributors and patents over time, with no single inventor universally credited.
4. Where can I find an antique adding machine? Antique stores, online auction sites, and collectors' markets are good places to look.
5. How were adding machines used in business? They were essential for accounting, bookkeeping, and financial calculations, speeding up processes and reducing errors.
6. How did adding machines contribute to scientific advancements? They facilitated complex calculations necessary for scientific research and engineering projects.
7. Are adding machines still used today? While largely replaced by electronic calculators, some collectors and enthusiasts still use them.

8. How do I repair an adding machine? Repairing an adding machine requires specialized knowledge and tools, often best left to experienced technicians.
9. What is the value of a vintage adding machine? The value varies depending on the manufacturer, model, condition, and rarity.

Related Articles:

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2. Blaise Pascal and the Pascaline: A deeper dive into one of the earliest mechanical calculators.
3. The Evolution of the Carry Mechanism: A technical exploration of the key innovation that made adding machines accurate.
4. Curta Calculator: A Pocket-Sized Marvel: A focus on a particular type of mechanical calculator.
5. The Impact of Calculating Machines on Business: A study of the economic and societal impact of adding machines.
6. Adding Machines in Scientific Research: A look at the use of adding machines in specific scientific fields.
7. The Transition from Mechanical to Electronic Calculators: Tracing the technological shift to electronic devices.
8. Collecting and Restoring Antique Adding Machines: A guide for enthusiasts interested in collecting and preserving these machines.
9. The Mathematics Behind the Adding Machine: An in-depth exploration of the mathematical principles underlying the machine's functionality.

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the adding machine pdf: *Adding Machine* Joshua Schmidt, Jason Loewith, 2008 Adding machine: a musical / 5m, 4f, 3 musicians / various scenes -- tells the story of Mr. Zero, an unlikely anti-hero for the working man. Rewarded with a pink slip after 25 years in the same office. Zero kills his boss, gets executed, and winds up in the Elysian Fields, where he is given a last chance at love with Daisy Devore, his long-suffering secretary.

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efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

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the adding machine pdf: *Feedback Systems* Karl Johan Åström, Richard M. Murray, 2021-02-02 The essential introduction to the principles and applications of feedback systems—now fully revised and expanded This textbook covers the mathematics needed to model, analyze, and design feedback systems. Now more user-friendly than ever, this revised and expanded edition of *Feedback Systems* is a one-volume resource for students and researchers in mathematics and engineering. It has applications across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from

physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. Features a new chapter on design principles and tools, illustrating the types of problems that can be solved using feedback Includes a new chapter on fundamental limits and new material on the Routh-Hurwitz criterion and root locus plots Provides exercises at the end of every chapter Comes with an electronic solutions manual An ideal textbook for undergraduate and graduate students Indispensable for researchers seeking a self-contained resource on control theory

the adding machine pdf: The Adding Machine Elmer Rice, 1956 This constantly interesting play shows, in outline, the life history and, in its later scenes, the death history of Mr. Zero, a cog in the vast machine of modern business -- from cover.

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the adding machine pdf: Interpretable Machine Learning Christoph Molnar, 2020 This book is about making machine learning models and their decisions interpretable. After exploring the concepts of interpretability, you will learn about simple, interpretable models such as decision trees, decision rules and linear regression. Later chapters focus on general model-agnostic methods for interpreting black box models like feature importance and accumulated local effects and explaining individual predictions with Shapley values and LIME. All interpretation methods are explained in depth and discussed critically. How do they work under the hood? What are their strengths and weaknesses? How can their outputs be interpreted? This book will enable you to select and correctly apply the interpretation method that is most suitable for your machine learning project.

the adding machine pdf: Games for Actors and Non-Actors Augusto Boal, 2005-06-29 Games for Actors and Non-Actors is the classic and best selling book by the founder of Theatre of the Oppressed, Augusto Boal. It sets out the principles and practice of Boal's revolutionary Method, showing how theatre can be used to transform and liberate everyone - actors and non-actors alike! This thoroughly updated and substantially revised second edition includes: two new essays by Boal on major recent projects in Brazil Boal's description of his work with the Royal Shakespeare Company a revised introduction and translator's preface a collection of photographs taken during Boal's workshops, commissioned for this edition new reflections on Forum Theatre.

the adding machine pdf: Gravel Roads Ken Skorseth, 2000 The purpose of this manual is to provide clear and helpful information for maintaining gravel roads. Very little technical help is available to small agencies that are responsible for managing these roads. Gravel road maintenance has traditionally been more of an art than a science and very few formal standards exist. This

manual contains guidelines to help answer the questions that arise concerning gravel road maintenance such as: What is enough surface crown? What is too much? What causes corrugation? The information is as nontechnical as possible without sacrificing clear guidelines and instructions on how to do the job right.

the adding machine pdf: *Graph Representation Learning* William L. Hamilton, 2022-06-01 Graph-structured data is ubiquitous throughout the natural and social sciences, from telecommunication networks to quantum chemistry. Building relational inductive biases into deep learning architectures is crucial for creating systems that can learn, reason, and generalize from this kind of data. Recent years have seen a surge in research on graph representation learning, including techniques for deep graph embeddings, generalizations of convolutional neural networks to graph-structured data, and neural message-passing approaches inspired by belief propagation. These advances in graph representation learning have led to new state-of-the-art results in numerous domains, including chemical synthesis, 3D vision, recommender systems, question answering, and social network analysis. This book provides a synthesis and overview of graph representation learning. It begins with a discussion of the goals of graph representation learning as well as key methodological foundations in graph theory and network analysis. Following this, the book introduces and reviews methods for learning node embeddings, including random-walk-based methods and applications to knowledge graphs. It then provides a technical synthesis and introduction to the highly successful graph neural network (GNN) formalism, which has become a dominant and fast-growing paradigm for deep learning with graph data. The book concludes with a synthesis of recent advancements in deep generative models for graphs—a nascent but quickly growing subset of graph representation learning.

the adding machine pdf: *Command Of The Air* General Giulio Douhet, 2014-08-15 In the pantheon of air power spokesmen, Giulio Douhet holds center stage. His writings, more often cited than perhaps actually read, appear as excerpts and aphorisms in the writings of numerous other air power spokesmen, advocates-and critics. Though a highly controversial figure, the very controversy that surrounds him offers to us a testimonial of the value and depth of his work, and the need for airmen today to become familiar with his thought. The progressive development of air power to the point where, today, it is more correct to refer to aerospace power has not outdated the notions of Douhet in the slightest. In fact, in many ways, the kinds of technological capabilities that we enjoy as a global air power provider attest to the breadth of his vision. Douhet, together with Hugh "Boom" Trenchard of Great Britain and William "Billy" Mitchell of the United States, is justly recognized as one of the three great spokesmen of the early air power era. This reprint is offered in the spirit of continuing the dialogue that Douhet himself so perceptively began with the first edition of this book, published in 1921. Readers may well find much that they disagree with in this book, but also much that is of enduring value. The vital necessity of Douhet's central vision—that command of the air is all important in modern warfare—has been proven throughout the history of wars in this century, from the fighting over the Somme to the air war over Kuwait and Iraq.

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covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

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