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Key: Individual Answer Key for Logic I Units 1-5.

Ethics and Technology, 5th Edition, by Herman Tavani introduces students to issues and controversies that comprise the relatively new field of cyberethics. This text examines a wide range of cyberethics issues--from specific issues of moral responsibility that directly affect computer and information technology (IT) professionals to

broader social and ethical concerns that affect each of us in our day-to-day lives. The 5th edition shows how modern day controversies created by emerging technologies can be analyzed from the perspective of standard ethical concepts and theories.

Tens of thousands of students have learned to be more discerning at constructing and evaluating arguments with the help of Patrick J. Hurley. Hurley's lucid,

friendly, yet thorough presentation has made A CONCISE INTRODUCTION TO LOGIC the most widely used logic text in North America. In addition, the book's accompanying technological resources, such as CengageNOW and Learning Logic, include interactive exercises as well as video and audio clips to reinforce what you read in the book and hear in class. In short, you'll have all the assistance you need to become a more logical thinker and communi-

cator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Anda mungkin beruntung memiliki pekerjaan atau proyek mendatang dengan visi yang cemerlang. Namun, upaya mewujudkan visi ini sering kali tak mudah. Setiap hari Anda gampang sekali terjebak dalam berbagai hal: surel yang seolah tiada habisnya, tenggat yang molor, rapat-rapat sehari-harian yang menyita waktu, dan proyek jangka panjang yang hanya berdasarkan asumsi. Sudah waktunya Anda mencoba Sprint, sebuah metode untuk memecahkan masalah dan menguji ide-ide baru, menyelesaikan lebih banyak hal dengan efisien. Buku ini ditulis Jake Knapp, mantan Design Partner Google Ventures, untuk menuntun Anda merasakan pengalaman menerapkan metode yang telah mendunia ini. Sprint mewujudkan pengekseskusan ide besar hanya dalam lima hari. Menuntun tim Anda dengan checklist lengkap, mulai dari Senin hingga Jumat. Menjawab segala pertanyaan penting yang sering kali hanya disimpan di benak mereka yang sedang menguji ide/konsep/produk. Sprint

juga membantu Anda lebih menikmati setiap proses. Anda bisa mengamati dan bergabung dengan ratusan dari pelaku Sprint di seluruh dunia melalui tagar #sprintweek di Twitter. Sebuah proyek besar terjadi pada 2009. Seorang insinyur Gmail bernama Peter Balsiger mencetuskan ide mengenai surel yang bisa teratur secara otomatis. Saya sangat tertarik dengan idenya—yang disebut “Kotak Masuk Prioritas”—dan merekrut insinyur lain, Annie Chen, untuk bergabung bersama kami. Annie setuju, tetapi dia hanya punya waktu sebulan untuk mengerjakannya. Kalau kami tidak bisa membuktikan bahwa ide itu bisa diterapkan dalam jangka waktu tersebut, Annie akan beralih ke proyek lainnya. Saya yakin waktunya tidak akan cukup, tetapi Annie adalah insinyur yang luar biasa. Jadi, saya memutuskan untuk menjalaninya saja. Kami membagi waktu sebulan itu ke dalam empat bagian yang masing-masing lamanya seminggu. Setiap pekan, kami menggarap desain baru. Annie dan Peter membuat purwarupa, lalu pada akhir minggu, kami menguji desain ini bersama beberapa ratus orang lainnya. Pada akhir bulan, kami menemukan solusi yang bisa dipahami dan diinginkan orang-

orang. Annie tetap menjadi pemimpin untuk tim Kotak Masuk Prioritas. Dan entah bagaimana caranya, kami berhasil menyelesaikan tugas desainnya dalam waktu yang lebih singkat dari biasanya. Beberapa bulan kemudian, saya mengunjungi Serge Lachapelle dan Mikael Drugge, dua orang karyawan Google di Stockholm. Kami bertiga ingin menguji ide perangkat lunak untuk konferensi video yang bisa dijalankan lewat peramban. Karena saya berada di kota tersebut hanya selama beberapa hari, kami bekerja secepat mungkin. Pada penghujung kunjungan saya, kami berhasil menyelesaikan purwarupanya. Kami mengirimkannya ke rekan kerja kami lewat surel dan mulai menggunakannya dalam rapat. Dalam beberapa bulan, seluruh perusahaan sudah bisa menggunakannya. (Selanjutnya, versi yang sudah dipoles dan disempurnakan dari aplikasi berbasis web tersebut dikenal sebagai Google Hangouts.) Dalam kedua kasus tersebut, saya menyadari bahwa saya bekerja jauh lebih efektif ketimbang rutinitas kerja harian saya atau ketika mengikuti lokakarya diskusi sumbang saran. Apa yang membedakannya? Saya menimbang kembali lokakarya tim yang saya gagas se-

belumnya. Bagaimana kalau saya memasukkan elemen ajaib lainnya—fokus pada kerja individu, waktu untuk membuat purwarupa, dan tenggat yang tak bisa ditawar? Saya lalu menyebutkan, “sprint” desain. Saya membuat jadwal kasar untuk sprint pertama saya: satu hari untuk berbagi informasi dan mereka ide, diikuti dengan empat hari pembuatan purwarupa. Sekali lagi, tim Google menyambut baik eksperimen ini. Saya memimpin sprint untuk mendesain Chrome, Google Search, Gmail, dan proyek-proyek lainnya. Ini sangat menarik. Sprint ini berhasil. Ide-ide diuji, dibangun, diluncurkan, dan yang terbaik, kebanyakan dari ide-ide ini berhasil diterapkan dalam dunia nyata. Proses sprint menyebar di seisi Google dari satu tim ke tim lain, dari satu kantor ke kantor lain. Seorang desainer dari Google X tertarik dengan metode ini, jadi dia menjalankan sprint untuk sebuah tim di Google Ads. Anggota tim dalam sprint di Ads kemudian menyampaikannya kepada kolega mereka, dan begitu seterusnya. Dalam waktu singkat saya mendengar penerapan sprint dari orang-orang yang tidak saya kenal. Dalam perjalanannya, saya membuat beberapa kesalahan. Sprint pertama saya

melibatkan empat puluh orang—jumlah yang sangat besar dan justru hampir menghambat sprint tersebut, bahkan sebelum dimulai. Saya menyesuaikan waktu yang diperlukan untuk mengembangkan ide dan pembuatan purwarupa. Saya jadi memahami mana yang terlalu cepat, terlalu lambat, hingga akhirnya menemukan yang waktu paling sesuai. Beberapa tahun kemudian, saya bertemu Bill Maris untuk membicarakan sprint. Bill adalah CEO Google Ventures, perusahaan modal ventura yang didirikan Google untuk berinvestasi pada startup-startup potensial. Dia adalah salah satu orang berpengaruh di Silicon Valley. Namun, Anda tidak akan menyangkanya dari pembawaannya yang santai. Pada sore itu, dia mengenakan pakaian khasnya, yaitu topi bisbol dan kaus dengan tulisan tentang Vermont. Bill tertarik untuk menjalankan sprint dengan startup dalam portofolio GV. Startup biasanya hanya memiliki satu kesempatan emas untuk mendesain sebuah produk yang sukses, sebelum akhirnya kehabisan dana. Sprint bisa membantu mencari tahu apakah startup-startup ini berada di jalur yang tepat sebelum akhirnya mereka bisa berkecimpung dalam tahapan yang lebih

berisiko untuk membangun dan meluncurkan produk mereka. Dengan menjalankan sprint, mereka bisa mendapatkan sekaligus menghemat uang. Namun agar berhasil, saya harus menyesuaikan proses sprint ini. Saya sudah berpikir mengenai produktivitas individu dan tim selama beberapa tahun. Namun, saya hampir tidak tahu apa-apa mengenai startup dan kebutuhan bisnis mereka. Tetap saja, antusiasme Bill meyakinkan saya bahwa Google Ventures adalah tempat yang tepat untuk menerapkan sprint—sekaligus tempat yang tepat bagi saya. “Ini misi kita,” ujarnya, “untuk bisa menemukan entrepreneur terbaik di muka bumi dan membantu mereka membuat dunia ini menjadi tempat yang lebih baik.” Saya tentu tak bisa menolaknya. Di GV, saya bergabung dengan tiga rekan lain: Braden Kowitz, John Zeratsky, dan Michael Margolis. Bersama, kami mulai menjalankan sprint dengan startup-startup, bereksperimen dengan prosesnya, dan menguji hasilnya agar bisa menemukan cara untuk memperbaikinya. Ide-ide dalam buku ini lahir dari semua anggota tim kami. Braden Kowitz memasukkan desain berbasis cerita dalam proses sprint, sebuah pendekatan tak bi-

asa yang berfokus pada pengalaman konsumen alih-alih komponen individu atau teknologi. John Zeratsky membantu kami memulai dari akhir sehingga tiap sprint bisa membantu menjawab berbagai pertanyaan bisnis paling penting. Braden dan John memiliki pengalaman dalam bisnis dan startup, hal yang tidak saya miliki, dan mereka menyesuaikan prosesnya untuk menciptakan fokus yang lebih baik dan keputusan yang lebih cerdas di tiap sprint. Michael Margolis mendorong kami untuk mengakhiri tiap sprint dengan pengujian di dunia nyata. Dia menjalankan riset konsumen, yang perencanaan dan pelaksanaannya bisa menghabiskan waktu berminggu-minggu, dan menemukan cara untuk mendapatkan hasil yang jelas hanya dalam sehari. Ini benar-benar sebuah keajaiban. Kami tidak perlu lagi menebak-nebak apakah solusi kami bagus atau tidak karena di akhir tiap sprint, kami mendapatkan jawabannya. Kemudian ada Daniel Burka, seorang entrepreneur yang mendirikan dua startup sebelum menjual salah satunya ke Google dan bergabung dengan GV. Saat kali pertama menjelaskan proses sprint kepadanya, dia skeptis. Baginya, sprint terdengar seperti

serangkaian proses manajemen yang rumit. Namun, dia sepakat untuk mencoba salah satunya. “Dalam sprint pertama itu, kami memangkas prosesnya dan menciptakan sesuatu yang ambisius hanya dalam sepekan. Saya benar-benar jatuh hati.” Setelah kami berhasil meyakinkannya, pengalaman langsung Daniel sebagai seorang pendiri startup dan sikapnya yang tidak menoleransi omong kosong membantu kami menyempurnakan prosesnya. Sejak sprint pertama di GV pada 2012, kami telah beradaptasi dan bereksperimen. Mulanya kami mengira pembuatan purwarupa dan riset yang cepat hanya akan berhasil untuk produk berskala besar. Mampukah kami bergerak sama cepatnya jika konsumen kami adalah para ahli di berbagai bidang seperti kesehatan dan keuangan? Tanpa disangka, proses lima hari ini bisa bertahan. Proses ini sesuai untuk semua jenis konsumen, mulai dari investor sampai petani, dari onkolog sampai pemilik bisnis skala kecil. Juga bagi situs web, aplikasi iPhone, laporan medis, hingga perangkat keras berteknologi tinggi. Tidak hanya untuk mengembangkan produk, kami juga menggunakan sprint untuk menentukan prioritas, strategi pemasaran,

bahkan menamai perusahaan. Proses ini berulang-ulang menyatukan tim dan menjadikan ide-ide menjadi nyata. Selama beberapa tahun belakangan, tim kami mendapatkan beragam kesempatan untuk bereksperimen dan memvalidasi ide kami mengenai proses kerja. Kami menjalankan lebih dari seratus sprint bersama dengan startup-startup dalam portofolio GV. Kami bekerja bersama, sekaligus belajar dari para entrepreneur brilian seperti Anne Wojcicki (pendiri 23andMe), Ev Williams (pendiri Twitter, Blogger, dan Medium), serta Chad Hurley dan Steve Chen (pendiri YouTube). Pada awalnya, saya hanya ingin membuat hari-hari kerja saya efisien dan berkualitas. Saya ingin berfokus pada apa yang benar-benar penting dan menjadikan waktu saya berharga—bagi saya, tim, dan konsumen kami. Kini, lebih dari satu dekade kemudian, proses sprint secara konsisten telah membantu saya meraih mimpi tersebut. Dan saya sangat senang berbagi mengenai hal tersebut dengan Anda dalam buku ini. Dengan keberuntungan, Anda bisa memilih pekerjaan Anda karena visi yang tajam. Anda ingin berbagi visi tersebut kepada dunia, baik yang berupa pesan, layanan, maupun pengalaman,

dengan perangkat lunak maupun keras, atau bahkan—sebagaimana dicontohkan dalam buku ini—sebuah cerita atau ide. Namun, mewujudkan visi ini tak mudah. Gampang sekali terjebak dalam berbagai hal: surel yang seolah tiada habisnya, tenggat yang molor, rapat-rapat seharian yang menyita waktu Anda, dan proyek jangka panjang yang hanya berdasarkan asumsi. Prosesnya tidak harus selalu seperti ini. Sprint menawarkan jalur untuk memecahkan masalah-masalah besar, menguji ide-ide baru, menyelesaikan lebih banyak hal, dan melakukan semuanya dengan lebih cepat. Sprint juga membantu Anda lebih menikmati prosesnya. Dengan kata lain, Anda benar-benar harus mencobanya sendiri. Ayo kita mulai. —Jake Knapp San Francisco, Februari 2016 [Mizan, Bentang Pustaka, Manajemen, Ide, Kreatif, Inovasi, Motivasi, Dewasa, Indonesia] spesial seri bentang bisnis & startup

Provides an essential introduction to classical logic.

In contributing a foreword to this book I am complying with a wish my husband expressed a few days before his death. He had completed the manuscript of this work, which may be considered a com-

panion volume to his book *Formal Methods*. The task of seeing it through the press was undertaken by Mr. J. J. A. Mooij, acting director of the Institute for Research in Foundations and the Philosophy of Science (Instituut voor Grondslagenonderzoek en Filoso:fie der Exacte Wetenschappen) of the University of Amsterdam, with the help of Mrs. E. M. Barth, lecturer at the Institute. I wish to thank Mr. Mooij and Mrs. Barth most cordially for the care with which they have acquitted themselves of this delicate task and for the speed with which they have brought it to completion. I also wish to express my gratitude to Miss L. E. Minning, M. A. , for the helpful advice she has so kindly given to Mr. Mooij and Mrs. Barth during the proof reading. C. P. C. BETH-PASTOOR VII PREFACE A few years ago Mr. Horace S.

Los Angeles magazine is a regional magazine of national stature. Our combination of award-winning feature writing, investigative reporting, service journalism, and design covers the people, lifestyle, culture, entertainment, fashion, art and architecture, and news that define Southern California. Started in the spring of 1961, Los

Angeles magazine has been addressing the needs and interests of our region for 48 years. The magazine continues to be the definitive resource for an affluent population that is intensely interested in a lifestyle that is uniquely Southern Californian.

Giving Reasons prepares students to think independently, evaluate information, and reason clearly across disciplines. Accessible to students and effective for instructors, it provides plain-English exercises, helpful appendices, and a variety of online supplements.

A handy reference, this four-page course card includes rules and argument forms students need in order to complete exercises.

A NEW YORK TIMES NOTABLE BOOK • The dramatic story of the Flint water crisis, by a relentless physician who stood up to power. “Stirring . . . [a] blueprint for all those who believe . . . that ‘the world . . . should be full of people raising their voices.’” —The New York Times “Revealing, with the gripping intrigue of a Grisham thriller.” —O: The Oprah Magazine Here is the inspiring story of how Dr. Mona Han-

na-Attisha, alongside a team of researchers, parents, friends, and community leaders, discovered that the children of Flint, Michigan, were being exposed to lead in their tap water—and then battled her own government and a brutal backlash to expose that truth to the world. Paced like a scientific thriller, *What the Eyes Don't See* reveals how misguided austerity policies, broken democracy, and callous bureaucratic indifference placed an entire city at risk. And at the center of the story is Dr. Mona herself—an immigrant, doctor, scientist, and mother whose family's activist roots inspired her pursuit of justice. *What the Eyes Don't See* is a riveting account of a shameful disaster that became a tale of hope, the story of a city on the ropes that came together to fight for justice, self-determination, and the right to build a better world for their—and all of our—children. Praise for *What the Eyes Don't See* “It is one thing to point out a problem. It is another thing altogether to step up and work to fix it. Mona Hanna-Attisha is a true American hero.”—Erin Brockovich “A clarion call to live a life of purpose.”—The Washington Post “Gripping . . . entertaining . . . Her book has power precisely because she

takes the events she recounts so personally. . . . Moral outrage present on every page.”—The New York Times Book Review “Personal and emotional. . . She vividly describes the effects of lead poisoning on her young patients. . . . She is at her best when recounting the detective work she undertook after a tip-off about lead levels from a friend. . . . ‘Flint will not be defined by this crisis,’ vows Ms. Hanna-Attisha.”—The Economist “Flint is a public health disaster. But it was Dr. Mona, this caring, tough pediatrician turned detective, who cracked the case.”—Rachel Maddow The NIV Application Commentary helps you communicate and apply biblical text effectively in today's context. To bring the ancient messages of the Bible into today's world, each passage is treated in three sections: Original Meaning. Concise exegesis to help readers understand the original meaning of the biblical text in its historical, literary, and cultural context. Bridging Contexts. A bridge between the world of the Bible and the world of today, built by discerning what is timeless in the timely pages of the Bible. Contemporary Significance. This section identifies comparable situations to those faced in the Bible and

explores relevant application of the biblical messages. The author alerts the readers of problems they may encounter when seeking to apply the passage and helps them think through the issues involved. This unique, award-winning commentary is the ideal resource for today's preachers, teachers, and serious students of the Bible, giving them the tools, ideas, and insights they need to communicate God's Word with the same powerful impact it had when it was first written.

Our world is being revolutionized by data-driven methods: access to large amounts of data has generated new insights and opened exciting new opportunities in commerce, science, and computing applications. Processing the enormous quantities of data necessary for these advances requires large clusters, making distributed computing paradigms more crucial than ever. MapReduce is a programming model for expressing distributed computations on massive datasets and an execution framework for large-scale data processing on clusters of commodity servers. The programming model provides an easy-to-understand abstraction for designing scalable algorithms, while the execution frame-

work transparently handles many system-level details, ranging from scheduling to synchronization to fault tolerance. This book focuses on MapReduce algorithm design, with an emphasis on text processing algorithms common in natural language processing, information retrieval, and machine learning. We introduce the notion of MapReduce design patterns, which represent general reusable solutions to commonly occurring problems across a variety of problem domains. This book not only intends to help the reader "think in MapReduce", but also discusses limitations of the programming model as well. Table of Contents: Introduction / MapReduce Basics / MapReduce Algorithm Design / Inverted Indexing for Text Retrieval / Graph Algorithms / EM Algorithms for Text Processing / Closing Remarks

BOOKER PRIZE WINNER • NATIONAL BEST-SELLER • A novel that follows a middle-aged man as he contends with a past he never much thought about—until his closest childhood friends return with a vengeance: one of them from the grave, another maddeningly present. A novel so compelling that it begs to be read in a sin-

gle setting, *The Sense of an Ending* has the psychological and emotional depth and sophistication of Henry James at his best, and is a stunning achievement in Julian Barnes's oeuvre. Tony Webster thought he left his past behind as he built a life for himself, and his career has provided him with a secure retirement and an amicable relationship with his ex-wife and daughter, who now has a family of her own. But when he is presented with a mysterious legacy, he is forced to revise his estimation of his own nature and place in the world.

Key: Individual Answer Key for Logic II Units 1-5.

"One of the most careful and intensive among the introductory texts that can be used with a wide range of students. It builds remarkably sophisticated technical skills, a good sense of the nature of a formal system, and a solid and extensive background for more advanced work in logic. . . . The emphasis throughout is on natural deduction derivations, and the text's deductive systems are its greatest strength. Lemmon's unusual procedure of presenting derivations before truth tables is very effective." --Sarah Stebbins, *The Journal of*

Symbolic Logic

"This is a significant and often rather demanding collection of essays. It is an anthology putting together the uncollected works of an important twentieth-century philosopher. Many of the articles treat one or another of the more important issues considered by analytic philosophers during the last quarter-century. Of significant importance to philosophers interested in researching the many topics contained in *Logic Matters* is the inclusion in this anthology of a rather extensive eight-page name-topic index."--Thomist "The papers are arranged by topic: Historical Essays, Traditional Logic, Theory of Reference and Syntax, Intentionality, Quotation and Semantics, Set Theory, Identity Theory, Assertion, Imperatives and Practical Reasoning, Logic in Metaphysics and Theology. The broad range of issues that have engaged Geach's complex and systematic reasoning is impressive. In addition to classical logic, topics in ethics, ontology, and even the logic of religious dogmas are tackled the work in this collection is more brilliant and ingenious than it is difficult and demanding."--*Philosophy of Science*

"Geach displays his mastery of applying logical techniques and concepts to philosophical questions. Compared with most works in philosophical logic this book is remarkable for its range of topics. Plato, Aristotle, Aquinas, Russell, Wittgenstein, and Quine all figure prominently. Geach's style is remarkably lively considering the rightly argued matter. Although some of the articles treat rather technical questions in mathematical logic, most are accessible to philosophers with modest backgrounds in logic." --Choice

Second edition of the introductory guidebook to the basic principles of constructing sound arguments and criticising bad ones. Non-technical in approach, it is based on 186 examples, which Douglas Walton, a leading authority in the field of informal logic, discusses and evaluates in clear, illustrative detail. Walton explains how errors, fallacies, and other key failures of argument occur. He shows how correct uses of argument are based on sound strategies for reasoned persuasion and critical responses. This edition takes into account many developments in the field of argumentation study that have occurred since 1989, many created by the author. Draw-

ing on these developments, Walton includes and analyzes 36 new topical examples and also brings in work on argumentation schemes. Ideally suited for use in courses in informal logic and introduction to philosophy, this book will also be valuable to students of pragmatics, rhetoric, and speech communication.

In the twenty-first century there are two ways to study logic. The more recent approach is symbolic logic. The history of teaching logic since World War II, however, casts doubt on the idea that symbolic logic is best for a first logic course. Logic as a Liberal Art is designed as part of a minority approach, teaching logic in the "verbal" way, in the student's "natural" language, the approach invented by Aristotle. On utilitarian grounds alone, this "verbal" approach is superior for a first course in logic, for the whole range of students. For millennia, this "verbal" approach to logic was taught in conjunction with grammar and rhetoric, christened the trivium. The decline in teaching grammar and rhetoric in American secondary schools has led Dr. Rollen Edward Houser to develop this book. The first part treats grammar, rhetoric, and the essential nature of logic.

Those teachers who look down upon rhetoric are free, of course, to skip those lessons. The treatment of logic itself follows Aristotle's division of the three acts of the mind (Prior Analytics 1.1). Formal logic is then taken up in Aristotle's order, with Parts on the logic of Terms, Propositions, and Arguments. The emphasis in Logic as a Liberal Art is on learning logic through doing problems. Consequently, there are more problems in each lesson than would be found, for example, in many textbooks. In addition, a special effort has been made to have easy, medium, and difficult problems in each Problem Set. In this way the problem sets are designed to offer a challenge to all students, from those most in need of a logic course to the very best students.

The Integrated Astrological Guide continues with this second volume. This particular text deals with the encoding of information both astrologically and generally that interferes with and colors our critical thinking skills and ability for accurate foresight. Although myths are used to convey concepts, the running theme in all works is that neither astrology nor myths "cause"

anything, and that each person's reality is the result of free will effort and choices at every given moment. They do however; reflect engrained archetypal belief structures passed down over millennia. Those belief structures do affect reality. Logical rules will be increased in this volume and fallacious thinking illuminated not only in traditional astrological principles, but in widely accepted social attitudes.

This new and revised edition of Peter Kreeft's Socratic Logic is updated, adding new exercises and more complete examples, all with Kreeft's characteristic clarity and wit. Since its introduction in the spring of 2004, Socratic Logic has proven to be a different type of logic text: . (1) This is the only complete system of classical Aristotelian logic in print. The "old logic" is still the natural logic of the four language arts (reading, writing, speaking, and listening). Symbolic, or "mathematical," logic is not for the humanities. (How often have you heard someone argue in symbolic logic?) (2) This book is simple and user-friendly. It is highly interactive, with a plethora of exercises and a light, engaging style. (3) It is practical. It is designed for do-it-yourselfers as well as classrooms. It empha-

sizes topics in proportion to probable student use: e.g., interpreting ordinary language, not only analyzing but also constructing effective arguments, smoking out hidden assumptions, making "argument maps," and using Socratic method in various circumstances. (4) It is philosophical. Its exercises expose students to many classical quotations, and additional chapters introduce philosophical issues in a Socratic manner and from a common-sense, realistic point of view. It prepares students for reading Great Books rather than Dick and Jane, and models Socrates as the beginner's ideal teacher and philosopher.

Through the use of humour, fun exercises, and a plethora of innovative and interesting selections from writers such as Dave Barry, Al Franken, J.R.R. Tolkien, as well as from the film 'The Matrix', this text hones students' critical thinking skills.

We want to give you the practice you need on the ACT McGraw-Hill's 10 ACT Practice Tests helps you gauge what the test measures, how it's structured, and how to budget your time in each section. Written by the founder and faculty of Advantage Edu-

cation, one of America's most respected providers of school-based test-prep classes, this book provides you with the intensive ACT practice that will help your scores improve from each test to the next. You'll be able to sharpen your skills, boost your confidence, reduce your stress-and to do your very best on test day. 10 complete sample ACT exams, with full explanations for every answer 10 sample writing prompts for the optional ACT essay portion Scoring Worksheets to help you calculate your total score for every test Expert guidance in prepping students for the ACT More practice and extra help online ACT is a registered trademark of ACT, Inc., which was not involved in the production of, and does not endorse, this product.

A concise introduction to logic that teaches you not only how reasoning works, but why it works How Logic Works is an introductory logic textbook that is different by design. Rather than teaching elementary symbolic logic as an abstract or rote mathematical exercise divorced from ordinary thinking, Hans Halvorson presents it as the skill of clear and rigorous reasoning, which is essential in all fields and walks of life, from the sciences to the humani-

ties—anywhere that making good arguments, and spotting bad ones, is critical to success. Instead of teaching how to apply algorithms using “truth trees,” as in the vast majority of logic textbooks, *How Logic Works* builds on and reinforces the innate human skills of making and evaluating arguments. It does this by introducing the methods of natural deduction, an approach that teaches students not only how to carry out a proof and solve a problem but also what the principles of valid reasoning are and how they can be applied to any subject. The book also allows students to transition smoothly to more advanced topics in logic by teaching them general techniques that apply to more complicated scenarios, such as how to formulate theories about specific subject matter. *How Logic Works* shows that formal logic—far from being only for mathematicians or a diversion from the really deep questions of philosophy and human life—is the best account we have of what it means to be rational. By teaching logic in a way that makes students aware of how they already use it, the book will help them to become even better thinkers. Offers a concise, readable, and user-friendly introduction to elemen-

tary symbolic logic that primarily uses natural deduction rather than algorithmic “truth trees” Draws on more than two decades’ experience teaching introductory logic to undergraduates Provides a stepping stone to more advanced topics

Forallx is an introduction to sentential logic and first-order predicate logic with identity, logical systems that significantly influenced twentieth-century analytic philosophy. After working through the material in this book, a student should be able to understand most quantified expressions that arise in their philosophical reading. This book treats symbolization, formal semantics, and proof theory for each language. The discussion of formal semantics is more direct than in many introductory texts. Although *forall x* does not contain proofs of soundness and completeness, it lays the groundwork for understanding why these are things that need to be proven. Contents: What is logic? Sentential logic Truth tables Quanti ed logic Formal semantics Proofs Other symbolic notation Solutions to selected exercises

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pany.

Solutions manual to accompany *Logic and Discrete Mathematics: A Concise Introduction* This book features a unique combination of comprehensive coverage of logic with a solid exposition of the most important fields of discrete mathematics, presenting material that has been tested and refined by the authors in university courses taught over more than a decade. Written in a clear and reader-friendly style, each section ends with an extensive set of exercises, most of them provided with complete solutions which are available in this accompanying solutions manual.

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 outdat-

ed 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.

Children are already learning at birth, and they develop and learn at a rapid pace in their early years. This provides a critical foundation for lifelong progress, and the

adults who provide for the care and the education of young children bear a great responsibility for their health, development, and learning. Despite the fact that they share the same objective - to nurture young children and secure their future success - the various practitioners who contribute to the care and the education of children from birth through age 8 are not acknowledged as a workforce unified by the common knowledge and competencies needed to do their jobs well. Transforming the Workforce for Children Birth Through Age 8 explores the science of child development, particularly looking at implications for the professionals who work with children. This report examines the current capacities and practices of the workforce, the settings in which they work, the policies and infrastructure that set qualifications and provide professional learning, and the government agencies and other funders who support and oversee these systems. This book then makes recommendations to improve the quality of professional practice and the practice environment

for care and education professionals. These detailed recommendations create a blueprint for action that builds on a unifying foundation of child development and early learning, shared knowledge and competencies for care and education professionals, and principles for effective professional learning. Young children thrive and learn best when they have secure, positive relationships with adults who are knowledgeable about how to support their development and learning and are responsive to their individual progress. Transforming the Workforce for Children Birth Through Age 8 offers guidance on system changes to improve the quality of professional practice, specific actions to improve professional learning systems and workforce development, and research to continue to build the knowledge base in ways that will directly advance and inform future actions. The recommendations of this book provide an opportunity to improve the quality of the care and the education that children receive, and ultimately improve outcomes for children.