

## Intensive English Ss2 Second Edition

Fourier analysis is one of the most useful and widely employed sets of tools for the engineer, the scientist, and the applied mathematician. As such, students and practitioners in these disciplines need a practical and mathematically solid introduction to its principles. They need straightforward verifications of its results and formulas, and they need clear indications of the limitations of those results and formulas. Principles of Fourier Analysis furnishes all this and more. It provides a comprehensive overview of the mathematical theory of Fourier analysis, including the development of Fourier series, "classical" Fourier transforms, generalized Fourier transforms and analysis, and the discrete theory. Much of the author's development is strikingly different from typical presentations. His approach to defining the classical Fourier transform results in a much cleaner, more coherent theory that leads naturally to a starting point for the generalized theory. He also introduces a new generalized theory based on the use of Gaussian test functions that yields an even more general -yet simpler -theory than usually presented. Principles of Fourier Analysis stimulates the appreciation and understanding of the fundamental concepts and serves both beginning students who have seen little or no Fourier analysis as well as the more advanced

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students who need a deeper understanding. Insightful, non-rigorous derivations motivate much of the material, and thought-provoking examples illustrate what can go wrong when formulas are misused. With clear, engaging exposition, readers develop the ability to intelligently handle the more sophisticated mathematics that Fourier analysis ultimately requires.

More than 970 rare books, dating from 1479 to 1830 and covering such categories as gardening, herbals, botanical books and landscape architecture are catalogued in this bibliography.

Second Language Research: Methodology and Design is a clear, comprehensive overview of core issues in L2 research. Authored by well-known scholars in SLA and supported by a wealth of examples from actual studies and extensive pedagogical resources, this book first introduces students to the key topics and debates in L2 research. It then guides readers step by step through the research process—from basic principles and collection methods through study design and reporting—to the point of being able to conduct their own research from beginning to end. This book is an essential text for students and novice researchers of SLA, applied linguistics, and second and foreign language teaching. Key Features A wealth of graphics, visuals, and exercises in each chapter. "Time to Think" and "Time to Do" boxes within

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chapters Helpful glossary and subject index New to This Edition Substantially reorganized chapters Significantly expanded chapters on qualitative and mixed methods Substantive revised material on computer/technology-based research Spotlights a variety of new software packages and databases, including video-mediated technology and games Discusses the Open Science Movement Expanded coverage of corpora, processing, and psycholinguistics-based research Updated references throughout

The 100th Anniversary Edition of the “Bible” for Mechanical Engineers—Fully Revised to Focus on the Core Subjects Critical to the Discipline This 100th Anniversary Edition has been extensively updated to deliver current, authoritative coverage of the topics most critical to today’s Mechanical Engineer. Featuring contributions from more than 160 global experts, Marks’ Standard Handbook for Mechanical Engineers, Twelfth Edition, offers instant access to a wealth of practical information on every essential aspect of mechanical engineering. It provides clear, concise answers to thousands of mechanical engineering questions. You get, accurate data and calculations along with clear explanations of current principles, important codes, standards, and practices. All-new sections cover micro- and nano-engineering, robotic vision, alternative energy production, biological materials,

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biomechanics, composite materials, engineering ethics, and much more. Coverage includes:

- Mechanics of solids and fluids
- Heat
- Strength of materials
- Materials of engineering
- Fuels and furnaces
- Machine elements
- Power generation
- Transportation
- Fans, pumps, and compressors
- Instruments and controls
- Refrigeration, cryogenics, and optics
- Applied mechanics
- Engineering ethics

Handbook of Railway Vehicle Dynamics, Second Edition, provides expanded, fully updated coverage of railway vehicle dynamics. With chapters by international experts, this work surveys the main areas of rolling stock and locomotive dynamics. Through mathematical analysis and numerous practical examples, it builds a deep understanding of the wheel-rail interface, suspension and suspension component design, simulation and testing of electrical and mechanical systems, and interaction with the surrounding infrastructure, and noise and vibration. Topics added in the Second Edition include magnetic levitation, rail vehicle aerodynamics, and advances in traction and braking for full trains and individual vehicles.

The latest edition of the book "English & Logical Reasoning for BITSAT with past 6 years Solved Papers (2018-2013) & 10 Mock Tests (5 in Book and 5 Online)" provides the Key Concepts and sufficient practice to crack this section of BITSAT.

- The book contains BITSAT 2018-2013 Fully Solved Question

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Papers which effectively help students in the preparation process. These papers give a basic idea about the test pattern asked in the BITSAT. • The book covers English Proficiency - Vocabulary, Grammar, Reading Comprehension, Composition; Verbal Reasoning - Analogy, Classification Or Odd Man Out, Series, Logical Deduction, Chart Logic; Non- Verbal Reasoning - Pattern Perception Or Completion Of Figures, Figure Formation & Analysis, Paper Cutting, Figure matrix, Rule Detection. • The book also contains 10 Mock Papers on the pattern of BITSAT for practice. Out of the 10 Tests, 5 are provided in the form of Online Tests and 5 are provided in the book. • The Mock Online Tests provides Insta Results, Solutions and Analytics related to section-wise and chapter-wise absolute and relative feedback. The details to access the Online Tests are provided in the book. • The solutions to the 5 Mock Tests in the book are provided at the end of the tests. • The book is also empowered with Smart Revision Material for Physics, Chemistry and Mathematics.

How to Survive Your First Year in Teaching 2nd Edition A&C Black

The Russian psychologist L. S. Vygotsky (1896–1934) has been one of the central figures in the recent shift from the cognitive to the social and the cultural in educational and psychological research. A. N. Leontiev's (1903–1979) activity theory has had a similar

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impact in the West. A. A. Leontiev's (1936–2004) psycholinguistic theories have also started to attract increasing attention. The ideas of these scholars have also made their mark on second and foreign language learning research outside Russia. However, there is no one widely accepted, monolithic Vygotskian or Leontievan theory. Furthermore, the nature and role of language in action and activity remain open for debate. This edited volume presents 19 chapters bringing together different views from a number of disciplines for a critical analysis and reappraisal of the relationship between language and action. The topics range from theoretical and methodological issues related to sociocultural and activity theoretical views of language to empirical research reports on classroom interaction, identity, language assessment, teacher education and second and foreign language learning. The overall aim of *Language in Action: Vygotsky and Leontievan Legacy Today* is to shed light on the nature of human action and activity and the role that language has in mediating and shaping what we think, do, and learn. At the same time, the book serves as a showcase of different socially oriented approaches to the study of what we as human beings are and what we do with language.

In 1993, the first edition of *The Electrical Engineering Handbook* set a new standard for breadth and depth of coverage in an engineering reference work. Now, this classic has been substantially revised and updated to include the latest information on all the important topics in electrical engineering today. Every electrical engineer should have an opportunity to expand his expertise with

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this definitive guide. In a single volume, this handbook provides a complete reference to answer the questions encountered by practicing engineers in industry, government, or academia. This well-organized book is divided into 12 major sections that encompass the entire field of electrical engineering, including circuits, signal processing, electronics, electromagnetics, electrical effects and devices, and energy, and the emerging trends in the fields of communications, digital devices, computer engineering, systems, and biomedical engineering. A compendium of physical, chemical, material, and mathematical data completes this comprehensive resource. Every major topic is thoroughly covered and every important concept is defined, described, and illustrated. Conceptually challenging but carefully explained articles are equally valuable to the practicing engineer, researchers, and students. A distinguished advisory board and contributors including many of the leading authors, professors, and researchers in the field today assist noted author and professor Richard Dorf in offering complete coverage of this rapidly expanding field. No other single volume available today offers this combination of broad coverage and depth of exploration of the topics. The Electrical Engineering Handbook will be an invaluable resource for electrical engineers for years to come.

Still the #1 resource for today's pediatric ICU teams, Pediatric Critical Care, 5th Edition covers the entire field, from basic science to cutting-edge clinical applications. Drs. Bradley P. Fuhrman and Jerry J. Zimmerman, accompanied by an expert team of editors and

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contributors from around the world, bring you today's best information on the current and future landscape of pediatric critical care so you can consistently deliver optimum care to your young patients. Boasts highly readable, concise chapters with hundreds of useful photos, diagrams, algorithms, and clinical pearls. Clear, logical, organ-system approach allows you to focus on the development, function, and treatment of a wide range of disease entities. Includes new content on the expanding use of ultrasound at the bedside and the increase in nursing responsibilities in the PICU. Eighteen new chapters cover topics such as delirium, metabolism, endocrinology, nutrition, nursing, and much more. Features expanded and updated information on critical communication, professionalism, long-term outcomes, palliative care, ultrasonography, PCCM in resource-limited settings, ventilator-induced lung injury, non-invasive ventilation, updated CNS pathophysiology, the 'Erythron', and immunity and infection.

The essays in this book focus on political strategies, pedagogical models, and community programs that enable adult ESL learners to become vital members of North American society. This is particularly important in our present time of contraction and downsizing in the education of non-native speakers. The authors represent a broad range of programs and perspectives, but they all have in common the goal of enabling both faculty and students to become full participants in our society and thereby to gain control over their futures. Readers of this book will develop an understanding of the ways in which innovative educators are creating strategies for

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maintaining language programs and services.

The book "English & Logical Reasoning for BITSAT with past 5 years Solved Papers (2017-2013) + 10 Mock Tests (5 in Book and 5 Online Tests)" provides the Key Concepts and sufficient practice to crack this section of BITSAT. • The book contains BITSAT 2017-2013 Fully Solved Question Papers which effectively help students in the preparation process. These papers give a basic idea about the test pattern asked in the BITSAT. • The book covers English Proficiency - Vocabulary, Grammar, Reading Comprehension, Composition; Verbal Reasoning - Analogy, Classification Or Odd Man Out, Series, Logical Deduction, Chart Logic; Non- Verbal Reasoning - Pattern Perception Or Completion Of Figures, Figure Formation & Analysis, Paper Cutting, Figure matrix, Rule Detection. • The book also contains 10 Mock Papers on the pattern of BITSAT for practice. Out of the 10 Tests, 5 are provided in the form of Online Tests and 5 are provided in the book. • The Mock Online Tests provides Insta Results, Solutions and Analytics related to section-wise and chapter-wise absolute and relative feedback. The details to access the Online Tests are provided in the book. • The solutions to the 5 Mock Tests in the book are provided at the end of the tests. • The book is also empowered with Smart Revision Material for Physics, Chemistry and Mathematics. • This book is a One Stop Solution as the students are already prepared for JEE Main. The students require a quick revision material of PCM and detailed material on English & Logical Reasoning along with Practice Mock Tests. The Online Tests provides the online exposure to

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the students.

This book addresses the problems and possibilities of English language education in Southeast Asia from the point-of-view of researchers who are themselves also English language teachers. The researchers are from Malaysia, Indonesia, Philippines, Singapore and New Zealand. The articles in this edited book examine teaching and language learning goals in relation to the desired development of linguistic knowledge. More importantly, the articles also reflect on the nurturing of appropriate learning abilities and independent thinking that is framed by the expanding learner awareness of identity, culture, and society within and beyond the classroom. Ultimately, the book tackles issues that emerge from the fact that we teach and learn English in a region that is hugely multicultural and multilingual.

- OLYMPIADS Champs Class 10 English is an attempt to guide and prepare students for Olympiad examinations.
- Complete syllabus of Olympiad is completely divided into 17 chapters.
- The book provides, for each chapter, important concepts followed by Multiple Choice Questions Exercises.
- Each chapter provides 2 levels of Exercises based on the level of difficulty.
- The detailed solutions to the MCQ's are provided at the end of each chapter.
- 5 Online mock tests based on the different Olympiad exams are also provided along with the book. This book will really prove to be an asset for Class 10 students as they hardly find any material which can help them in not only mastering the Olympiads but also help them in building a strong foundation.

This totally revised and expanded reference/text provides comprehensive, single-source coverage of the design, problem solving, and specifications of electromagnetic compatibility (EMC) into electrical equipment/systems-including new information on basic theories, applications,

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evaluations, prediction techniques, and practical diagnostic options for preventing EMI through cost-effective solutions. Offers the most recent guidelines, safety limits, and standards for human exposure to electromagnetic fields! Containing updated data on EMI diagnostic verification measurements, as well as over 900 drawings, photographs, tables, and equations-500 more than the previous edition-

Electromagnetic Compatibility: Principles and Applications, Second Edition:

As non-native English speakers comprise a growing percentage of pupils in English and American schools, educational policies addressing English language learning are becoming increasingly significant. Popular and governmental beliefs regarding the education of these pupils have resulted in de facto language policies which largely reflect political, rather than linguistic, realities. In such a situation, it is vital to analyse the development of these policies and their implementation at the school level. This book consists of case studies of two primary schools, one in England and one in the United States, which help to illuminate how teachers and schools serving highly diverse linguistic and ethnic populations function within broader language policy directives. Special attention is given to teachers' and administrators' perceptions of the factors that hamper or facilitate the implementation of these initiatives. The major findings are presented in a comparative context, drawing upon theory and empirical evidence to examine the manner in which internal, social and political pressures affect policy implementation.

This book connects SLA theory and practice in ways that are relevant and accessible to students, researchers and practitioners.

Now in its fifth edition, the award-winning *How Languages are Learned* has established itself as an indispensable

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introduction to research in language acquisition and its relationship with classroom practice. Patsy Lightbown and Nina Spada have worked for over four decades in second language research and education. They are highly respected worldwide for making theory and research about language learning accessible and relevant to classroom teaching. This widely acclaimed book remains essential reading for second language teachers. • Updated content highlights the latest research into second language learning and its relevance to classroom practice • Activities and questions for reflection personalize content and support critical thinking • Chapter summaries, discussion questions, weblinks and supplementary activities are available online at [www.oup.com/elt/teacher/hlal](http://www.oup.com/elt/teacher/hlal)

The new edition of this successful book offers practical advice for trainee teachers, NQTs and others new to the profession. It is designed to help them survive and enjoy the difficult first year as a teacher. Written in Sue Cowley's honest and down-to-earth style, the book uses real situations and experiences to tell it like it is.

This book provides a concise and coherent introduction to the physics of particle accelerators, with attention being paid to the design of an accelerator for use as an experimental tool. In the second edition, new chapters on spin dynamics of polarized beams as well as instrumentation and measurements are included, with a discussion of frequency spectra and Schottky signals. The additional material also covers quadratic Lie groups and integration highlighting new techniques using Cayley transforms, detailed estimation of collider luminosities, and new problems.

Journal of International Students: Vol 10 No S2 (2020):

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Special Issue: Reflection and Reflective Thinking The Journal of International Students (JIS), an academic, interdisciplinary, and peer-reviewed publication (Print ISSN 2162-3104 & Online ISSN 2166-3750), publishes scholarly peer-reviewed articles on international students in tertiary education, secondary education, and other educational settings that make significant contributions to research, policy, and practice in the internationalization of higher education. This special issue shares 7 papers related to international students and reflection by drawing on Rodgers' four functions of reflection. We hope that the special issue is of value to the journal's readership, particularly in regard to assisting both academic and support staff in universities with their work on reflection with international students.

Builders of the Vision traces the intellectual history and contemporary practices of Computer-Aided Design (CAD) and Numerical Control since the years following World War II until today. Drawing from primary archival and ethnographic sources, it identifies and documents the crucial ideas shaping digital design technologies since the first numerical control and CAD systems were developed under US Air Force research contracts at MIT between 1949 and 1970: the cybernetic theorization of design as a human-machine endeavor; the vision of computers as "perfect slaves" taking care of the drudgery of physical labor; the techno-social utopias of computers as vehicles of democracy and social change; the entrepreneurial urge towards design and construction integration; and the managerial ideologies enabling today's transnational geographies of practice.

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Examining the contrasting, and often conflicting, sensibilities that converge into CAD and BIM discourses - globalism, utopianism, entrepreneurialism, and architects' desires for aesthetic liberation - Builders of the Vision shows that software systems and numerically controlled machines are not merely "instruments," or "tools," but rather versatile metaphors reconfiguring conceptions of design, materiality, work, and what it means to be creative. Crucially, by revealing software systems as socio-technical infrastructures that mediate the production of our built environments, author Daniel Cardoso Llach builds a strong case for the fields of architecture, media, and science and technology studies to critically engage with both the politics and the poetics of technology in design. Builders of the Vision will be essential reading for scholars and practitioners across disciplines interested in the increasingly complex socio-technical systems that go into imagining and building of our artifacts, buildings, and cities.

After Uchino's introduction of a new terminology, 'Micromechatronics' in 1979 for describing the application area of 'piezoelectric actuators', the rapid advances in semiconductor chip technology have led to a new terminology MEMS (micro-electro-mechanical-system) or even NEMS (nano-electro-mechanicalsystem) to describe mainly thin film sensor/actuator devices, a narrower area of micromechatronics coverage. New technologies, product developments and commercialization are providing the necessity of this major revision. In particular, the progresses in high power transducers, loss mechanisms

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in smart materials, energy harvesting and computer simulations are significant. New technologies, product developments and commercialization are providing the updating requirement for the book contents, in parallel to the deletion of old contents. Various educational/instructional example problems have been accumulated, which were integrated in the new edition in order to facilitate the self-learning for the students, and the quiz/problem creation for the instructors. Heavily revised topics from the previous edition include: high power transducers, loss mechanisms in smart materials, energy harvesting and computer simulations New technologies, product developments and commercialization helped shape the updated contents of this book where all chapters have been updated and revised. This textbook is intended for graduate students and industrial engineers studying or working in the fields of electronic materials, control system engineering, optical communications, precision machinery, and robotics. The text is designed primarily for a graduate course with the equivalent of thirty 75-minute lectures; however, it is also suitable for self-study by individuals wishing to extend their knowledge in the field. This new edition of an indispensable text provides a clear treatment of Fourier Series, Fourier Transforms, and FFTs. The unique software, included with the book and newly updated for this edition, allows the reader to generate, firsthand, images of all aspects of Fourier analysis described in the text. Topics covered include :

CELEBRATING 25 YEARS OF HELPING STUDENTS  
SELECT THE PERFECT COLLEGE! The Princeton Review

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started publishing *The Best Colleges* in 1992 with surveys from 30,000 students. A quarter-century and more than a million student surveys later, we stand by our claim that there is no single “best” college, only the best college for you... and that this is the book that will help you find it! What Makes THE BEST 381 COLLEGES the Most Popular College Guide? DIRECTLY FROM STUDENTS TO YOU · 381 in-depth school profiles based on candid feedback from 143,000 students, covering academics, administration, campus life, and financial aid · Insights on unique college character, social scene, and more RANKING LISTS & RATINGS SCORES · Lists of the top 20 colleges in 62 categories based on students' opinions of academics, campus life, facilities, and much more · Ratings for every school on Financial Aid, Selectivity, and Quality of Life · Bonus list of the 200 “best-value” schools featured in *Colleges That Pay You Back* DETAILED ADMISSIONS INFORMATION · The “Inside Word” on competitive applications, test scores, tuition, and average indebtedness · Comprehensive information on selectivity, freshman profiles, and application deadlines at each school

What the media is saying about *The Best 381 Colleges* from *The Princeton Review*: “The most efficient of the college guidebooks. Has entertaining profiles larded with quotes from students.”—*Rolling Stone* “The offbeat indexes, along with the chattily written descriptions of each school, provide a colorful picture of each campus.” —*The New York Times* “A great book.... It’s a bargain.” —*CNN* “Our favorite college guidebook.” —*Seventeen* “Provides the kind of feedback students would get from other students in a campus visit.” —*USA Today*

From the Trade Paperback edition.  
Littleton, Thomas, Sir. Tomlins, T[homas] E[dlyne], Editor.  
*Lyttleton, His Treatise of Tenures, in French and English. A New Edition, Printed From the Most Ancient Copies, And Collated With the Various Readings of the Cambridge MSS.*

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To Which Are Added The Ancient Treatise of the Olde Tenures, And the Customs of Kent. London: S. Sweet, 1841. Iv, [1], 727 pp. Reprinted 2006 by The Lawbook Exchange, Ltd. ISBN-13: 978-1-58477-630-7. ISBN-10: 1-58477-630-7. Cloth. \$135.\* With index. Parallel text in Law-French and English. Written during the reign of Edward IV [1442-1483], Littleton's Tenures was much admired for its learning and style. It is concerned with the doctrines of old English Common Law regarding the tenures of real estate as well as issues related to real property. This venerable work, which Coke called "the ornament of the Common Law, and the most perfect and absolute work that ever was written in any humane science," is a considered a landmark because it renounced the principles of Roman law in favor of a set of guidelines and doctrines drawn from the Year Books, and when necessary, hypothetical cases. Littleton [1402-1481] was a King's Serjeant, Judge of Assize and Justice of the Common Pleas. Tomlins [1804-1872] was a notable legal writer and antiquarian. His is best known for his Popular-Law Dictionary (1838). (He is confused sometime with his uncle, Sir Thomas Edlyne Tomlins, the prolific legal writer and editor of the later editions of Jacob's Law-Dictionary.)

Since the first edition of this book was published in 1996, tremendous progress has been made in the scientific and engineering disciplines regarding the use of iterative methods for linear systems. The size and complexity of the new generation of linear and nonlinear systems arising in typical applications has grown. Solving the three-dimensional models of these problems using direct solvers is no longer effective. At the same time, parallel computing has penetrated these application areas as it became less expensive and standardized. Iterative methods are easier than direct solvers to implement on parallel computers but require approaches and solution algorithms that are different from classical

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methods. Iterative Methods for Sparse Linear Systems, Second Edition gives an in-depth, up-to-date view of practical algorithms for solving large-scale linear systems of equations. These equations can number in the millions and are sparse in the sense that each involves only a small number of unknowns. The methods described are iterative, i.e., they provide sequences of approximations that will converge to the solution.

This book explores how high-stakes tests mandated by No Child Left Behind have become de facto language policy in U.S. schools, detailing how testing has shaped curriculum and instruction, and the myriad ways that tests are now a defining force in the daily lives of English Language Learners and the educators who serve them.

The latest edition of the book "English & Logical Reasoning for BITSAT with past 7 years Solved Papers (2019-2013) & 10 Mock Tests (5 in Book and 5 Online)" provides the Key Concepts and sufficient practice to crack this section of BITSAT. • The book contains BITSAT 2019-2013 Fully Solved Question Papers, including 2 sets of 2019 papers, which effectively help students in the preparation process. These papers give a basic idea about the test pattern asked in the BITSAT. • The book also contains 10 Mock Papers on the pattern of BITSAT for practice. Out of the 10 Tests, 5 are provided in the form of Online Tests and 5 are provided in the book. • The Mock Online Tests provides Insta Results, Solutions and Analytics related to section-wise and chapter-wise absolute and relative feedback. The details to access the Online Tests are provided in the book. • The solutions to the 5 Mock Tests in the book are provided at the end of the tests. • The book is also empowered with Smart Revision Material for Physics, Chemistry and Mathematics. Today's young people-the Net Generation-have grown up with technology all around them. However, teachers cannot

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assume that students' familiarity with technology in general transfers successfully to pedagogical settings. This volume examines various technologies and offers concrete advice on how each can be successfully implemented in the second language curriculum.

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