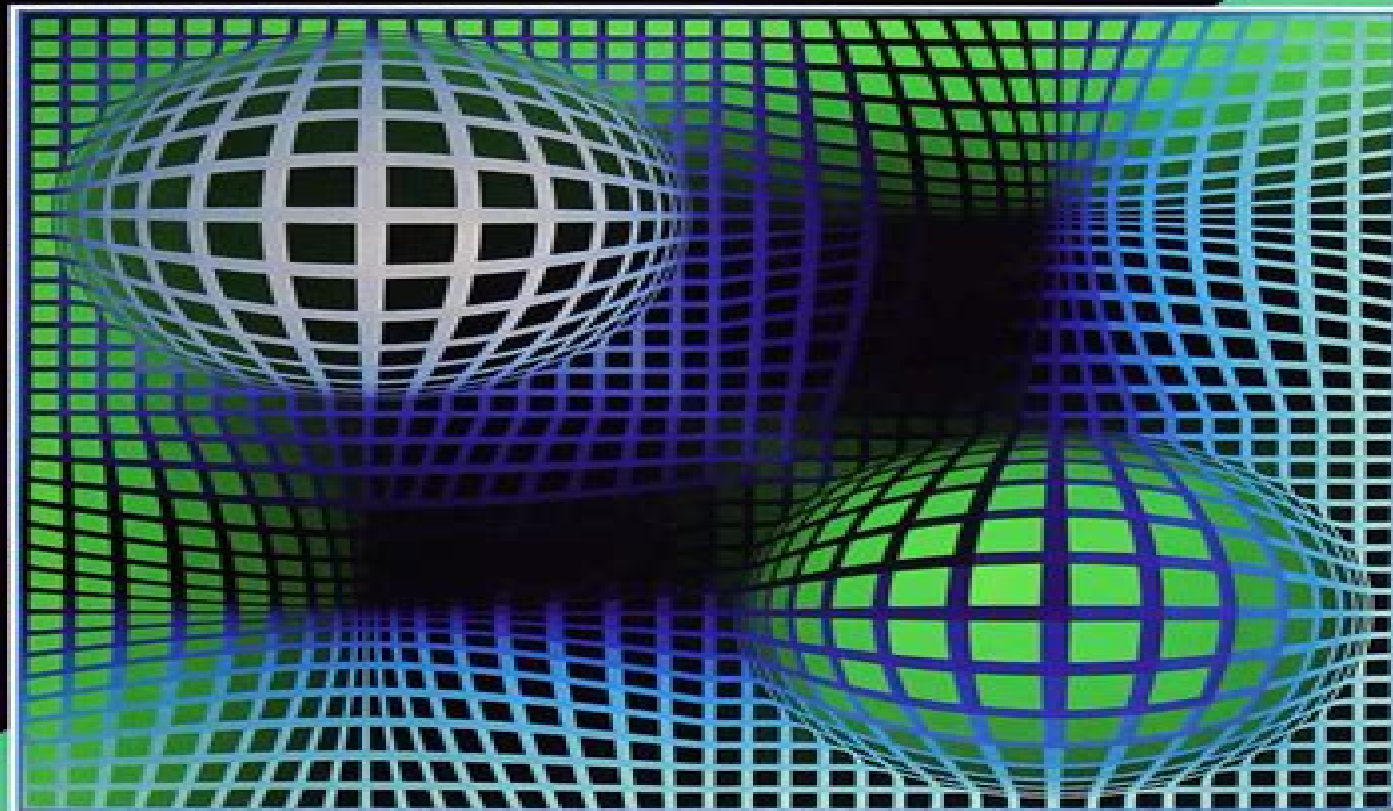


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Matemática discreta con apoyo de software Enrique Vílchez Quesada,2021-11-30 Esta obra aborda una serie de contenidos esenciales relacionados con el campo de la matemática discreta El texto cubre los temas de recursividad relaciones de recurrencia análisis de algoritmos relaciones binarias teoría de grafos teoría de árboles m-árbol y autómatas de estado finito y lenguajes y gramáticas Después de muchos años de experiencia de aula el autor brinda en este libro una exposición disruptiva al incorporar una combinación propicia entre la teoría clásica el desarrollo de una cantidad relevante de ejemplos y el uso de software como un recurso didáctico fundamental **MATEMÁTICAS DISCRETAS** Richard Johnsonbaugh,2005 Este libro se diseña para un curso de introducción a matemáticas discretas La exposición es clara y adecuada además de que contiene abundantes ejercicios Esta edición igual que las anteriores incluye temas como algoritmos combinatoria conjuntos funciones e inducción matemática También toma en cuenta la comprensión y construcción de pruebas y en general el reforzamiento matemático El primer capítulo de lógica y demostraciones se amplía en forma considerable Se agregaron ejemplos de lógica en lenguajes de programación Se presentan varios ejemplos de algoritmos antes de llegar a la notación de O mayúscula Un nuevo capítulo de introducción a la teoría de números Este capítulo incluye resultados clásicos como la divisibilidad la infinitud de los primos el teorema fundamental de la aritmética así como los algoritmos de teoría de números *Matemática discreta y lógica matemática* ,2001 *Invitación a la matemática discreta* Jiří Matoušek,Anna Lladó Sánchez,Jaroslav Nesetril,2008 Invitación a la matemática discreta es una introducción clara accesible y autocontenida a la matemática discreta y en particular a la combinatoria y la teoría de grafos Está orientada a estudiantes de grado y primeros cursos de postgrado y ha sido escrita con el propósito de estimular el interés por las matemáticas a través de una aproximación activa al material por medio de la resolución de problemas La obra se centra en un espectro menor de temas que la mayoría de textos de matemática discreta con la intención de abordar los contenidos seleccionados con una profundidad poco común y bajo puntos de vista diversos El libro refleja la convicción de los autores que el mayor provecho que se obtiene estudiando matemáticas es el cultivo de un pensamiento lógico y transparente Los más de 400 ejercicios que acompañan al texto de diferentes grados de dificultad y muchos de ellos con indicaciones para su solución sostienen esa opinión La obra está escrita con un estilo vivaz e informal y ha sido ilustrada con más de 200 diagramas y dibujos *Matemáticas discretas y combinatoria : una introducción con aplicaciones* Ralph P. Grimaldi,1998 **Matemáticas discretas** Edward R. Scheinerman,2001-01-01 El libro introduce al estudiante en las matemáticas discretas las cuales proporcionan el marco teórico práctico para las ciencias de la computación e informática Se enfoca en los conceptos fundamentales de las matemáticas discretas y la demostración de conceptos y en el desarrollo de habilidades para leer y escribir demostraciones o pruebas matemáticas Estructuras de matemáticas discretas para la computación Bernard Kolman,Robert C. Busby,Sharon Ross,1997 Matemática discreta Francesc Comellas Padró,2009-09 La matemática discreta es la parte de las

matemáticas que trata de estructuras finitas y numerables Esta nueva rama de la ciencia matemática ha recibido un impulso decisivo gracias a los recientes progresos de la informática y las técnicas de computación **Matemática discreta. 3ª ed.**

GARCÍA MERAYO, FELIX, 2015-02-01 Esta tercera edición de Matemática discreta se ha enriquecido con nuevos capítulos dedicados a la algorítmica y a la complejidad computacional a la aplicación de los grafos a la ingeniería y la investigación operativa y a la aritmética Zm La nueva teoría tal como se ha hecho en ediciones anteriores se acompaña de innumerables casos y ejemplos analizados Con esta nueva edición se pretende ofrecer un tratado moderno más completo y mejor adaptado al aprendizaje de esta materia por el estudiante universitario tanto de las distintas ramas de la ingeniería como de ciencias El contenido de la obra es fruto de la experiencia docente del autor en la referida materia dentro del ámbito universitario sobre todo en lo relativo a la ingeniería informática en universidades tanto públicas como privadas El texto cubre y desarrolla las siguientes áreas teoría de números lgebra de Boole teoría de conjuntos relaciones recurrencias análisis combinatorio una extensa teoría de grafos con un capítulo especial dedicado a los árboles grafos planos y coloreados y la lógica de predicados Asimismo el libro se presenta con un enfoque claro y didáctico gracias a la gran cantidad de ejercicios que se analizan y resuelven a modo de ejemplo *Matemática discreta y combinatoria* Luis Verde Star, 1996 **Problemas, cuestiones y aplicaciones de matemática discreta** SEOANE SEPÚLVEDA, JUAN BENIGNO, JORDÁN LLUCH, CRISTINA, MURILLO ARCILA, MARINA, 2022-09-02 La matemática discreta es la disciplina dedicada al estudio de estructuras cuyos elementos pueden contarse uno por uno separadamente A diferencia del Cálculo infinitesimal estudia procesos con conjuntos numerables ya sean finitos o infinitos Forma parte de los planes de estudios de ingenierías informática ciencia de la computación así como obviamente de matemáticas por lo que esta obra va dirigida a todos los lectores interesados en estas materias Se trata de un libro de problemas resueltos en el que cada capítulo comienza con un breve resumen teórico cuyo propósito es proporcionar los conceptos básicos para poder resolver dichos problemas Como apoyo teórico el lector puede acudir entre la bibliografía que se propone al canal de YouTube El lado discreto de las mates de sus autores Entre todos los temas que abarca la matemática discreta este texto distribuido en seis capítulos se centra en la teoría de conjuntos la lógica el principio de inducción el estudio de aplicaciones y relaciones binarias y la teoría de la divisibilidad con una breve introducción a la teoría de números También incluye ejercicios que modelizan situaciones reales una de las aplicaciones de esta materia Respecto a la teoría de grafos parte importante de la matemática discreta indicamos que es objeto de estudio independiente en el libro Teoría de grafos y modelización Problemas resueltos de esta misma editorial Se presenta la resolución de todos los problemas de forma muy clara y detallada a la vez que rigurosa tratando de hacer la materia cercana y atractiva al lector Cristina Jordán Lluch es profesora titular de universidad en el Departamento de Matemática Aplicada de la Universitat Politècnica de València Es miembro del Instituto Universitario de Matemática Multidisciplinar IMM Marina Murillo Arcila es profesora titular de universidad en el Departamento de Matemática Aplicada de la Universitat Politècnica de València Es

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