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well written, with a highlighted subsection on the most important ideas and plenty of exercises.

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Today we introduce set theory, elements, and how to build sets. This video is an updated version of the original video released over two years ago. Hopefully ...

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The research areas covered by Discrete Mathematics include graph and hypergraph theory, enumeration, coding theory, block designs, the

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combinatorics of partially ordered sets, extremal set theory, matroid theory, algebraic combinatorics, discrete geometry, matrices, discrete probability, and parts of cryptography.

Discrete Mathematics - Journal - Elsevier

Preface Preface to the First Edition 1. Discrete Structures and Set Theory 2. Induction, Recursion and Recurrences 3. Combinatorics 4. Discrete Probability 5. Mathematical Logic 6. Logical Inferencing 7. Predicate Logic 8. Graph Theory 9. Relations 10. Transitive Closure and Warshall's Algorithm 11. Equivalence and Partial Ordering Relations 12. Trees 13.

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