Topics in Finite and Discrete Mathematics (Paperback)

By Sheldon M. Ross

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2012. Paperback. Book Condition: New. New.. 227 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Written for a broad audience of students in mathematics, computer science, operations research, statistics, and engineering, this textbook presents a short, lively survey of several fascinating non-calculus topics in modern applied mathematics. Coverage includes probability, mathematical finance, graphs, linear programming, statistics, computer science algorithms, and groups. A key feature is the abundance of interesting examples not normally found in standard finite mathematics courses, such as options pricing and arbitrage, tournaments, and counting formulas. The author assumes a level of mathematical sophistication at the beginning calculus level, that is, students should have had at least a course in pre-calculus, and the added sophistication attained from studying calculus would be useful.

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