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Topics in Finite and Discrete Mathematics SHELDON M. ROSS University of California at Berkeley. published by the press syndicate of the university of cambridge The Pitt Building, Trumpington Street, Cambridge, United Kingdom cambridge university press

Topics in Finite and Discrete Mathematics

finite (or sometimes countable) number of possibilities. ... A Brief Introduction to Discrete Optimization Discrete or Combinatorial Optimization deals mainly with problems where we have to choose an optimal solution from a ... Both seem to have a very "simple" mathematical solution: Try all possibilities.

Discrete Optimization: A sample of Problems

actually getting to 0). Then, the discrete derivative is $\hat{\Delta}f(x) = f(x+1) - f(x)$. (As an aid to those readers who are skimming this tutorial, we'll repeat this and future definitions in a formal definition statement.) Definition (Discrete Derivative). The discrete derivative of $f(x)$ is defined as $\hat{\Delta}f(x) = f(x+1) - f(x)$.

Finite Calculus: A Tutorial - Purdue University

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Discrete Calculus Brian Hamrick 1 Introduction How many times have you wanted to know a good reason that $\sum_{i=1}^n i = n(n+1)/2$. Sure, it's true by induction, but how in the world did we get this formula?

Discrete Calculus - homepages.math.uic.edu

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