

Discrete Mathematics With Graph Theory

Chapter 1 : Discrete Mathematics With Graph Theory

In mathematics, and more specifically in graph theory, a graph is a structure amounting to a set of objects in which some pairs of the objects are in some sense "related". Discrete mathematics is the study of mathematical structures that are fundamentally discrete rather than continuous. In contrast to real numbers that have the property of varying "smoothly", the objects studied in discrete mathematics – such as integers, graphs, and statements in logic – do not vary smoothly in this way, but have distinct values. This bar-code number lets you verify that you're getting exactly the right version or edition of a book. The 13-digit and 10-digit formats both work. Journals (etc.) in discrete mathematics and related fields. Journals, survey series, preprints, etc. compiled by hemanshu kaul (email me with any suggestions/ omissions/ broken links) Read the latest articles of discrete applied mathematics at sciencedirectm, elsevier's leading platform of peer-reviewed scholarly literature Discrete mathematics is quickly becoming one of the most important areas of mathematical research, with applications to cryptography, linear programming, coding theory and the theory of computing. Complete graph. A complete graph is a graph in which each pair of graph vertices is connected by an edge. The complete graph with n graph vertices is denoted K_n and has $\binom{n}{2}$ (the triangular numbers) undirected edges, where $\binom{n}{2}$ is a binomial coefficient.

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Complete graph. a complete graph is a graph in which each pair of graph vertices is connected by an edge. the complete graph with graph vertices is denoted and has (the triangular numbers) undirected edges, where is a binomial coefficient.

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