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The word ‘argument’ has a number of meanings in ordinary English.BASIC CONCEPTS OF LOGIC - UMassMATHEMATICAL LOGIC Basic Concepts: numerical systems binary octal hexadecimal truth tables Boolean algebra arithmetics and geometric progressions logical sequences logical reasoning gate arrangements Paperback – September 14, 2017MATHEMATICAL LOGIC Basic Concepts: numerical systems ...Mathematical logic is a subfield of mathematics exploring the applications of formal logic to mathematics. It bears close connections to metamathematics, the foundations of mathematics, and theoretical computer science. The unifying themes in mathematical logic include the study of the expressive power of formal systems and the deductive power of formal proof systems. Mathematical logic is often divided into the fields of set theory, model theory, recursion theory, and proof theory. 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We talk about what statements are and how we can determine truth values. ... [Discrete Mathematics] Logic Laws - Duration: ... PROPOSITIONAL LOGIC AND ITS ...[Discrete Mathematics] Introduction to Propositional LogicLogical-mathematical learning style refers to your ability to reason, solve problems, and learn using numbers, abstract visual information, and analysis of cause and effect relationships. Logical-mathematical learners are typically methodical and think in logical or linear order.Characteristics of Logical-Mathematical LearnersM3210 Supplemental Notes: Basic Logic Concepts In this course we will examine statements about mathematical concepts and re-lationships between these concepts (definitions, theorems). We will also consider ways to determine whether certain statements are true or false (methods of proof).Section 1. Statements and Truth Tables 1.1 Simple ... - MathBasic Concepts in Mathematical Logic & Discrete Math - Chapter Summary. 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