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Use of mathematical and logical notation to define and formally reason about mathematical concepts such as sets, relations, functions, and integers, and discrete structures, including proof by

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- Reason mathematically about basic (discrete) structures (such as numbers, sets, graphs, and trees) used in computer science. - Use of mathematical and logical notation to define and formally reason about mathematical concepts

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DISCRETE MATHEMATICS & MATHEMATICAL REASONING PREDICATES ...

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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,

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