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mathematical structure and its concepts
in terms of a labeled directed graph
called a category, whose nodes are

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called objects, and whose labelled directed edges are called arrows. A category has two basic properties: the ability to compose the arrows associatively, and the existence of an identity arrow for each object. The language of category theory has been used to formalize concepts of other high-level abstractions such as sets, rings,

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and groups. Informally, cate

Category theory - Wikipedia

condition' are common in category theory. The phrase means that there is one and only one such-and-such satisfying the condition. To prove the existence part, we have to show that there is at least one. To prove the

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uniqueness part, we have to show that there is at most one; in other words, any two such-and-suches satisfying the condition are equal.

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input data and instructions to the computer are called input unit. Output Unit – Devices like printer and visual display unit that are used to provide information to the user in desired format are called output unit.

Basics of Computers - Introduction - Tutorialspoint

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