# DEDUCTIVE REASONING

Deductive reasoning is a logical process that involves drawing specific conclusions based on general principles or premises.

## OVERVIEW

Deductive reasoning is a top-down approach to logical thinking where specific conclusions are derived from general principles or premises. It follows a structured format in which if the premises are true and the reasoning is valid, the conclusion must also be true. This type of reasoning is commonly used in mathematics, formal logic, and philosophical thinking.

## EXAMPLE

Premise 1: All mammals have lungs.

Premise 2: Dolphins are mammals.

Conclusion: Dolphins have lungs.

In this example, the first premise establishes a general principle that all mammals have lungs. The second premise identifies dolphins as a specific mammal. Using deductive reasoning, we can logically conclude that dolphins must also have lungs.

# **A Text Of Deductive Logic**

L Darling-Hammond

#### A Text Of Deductive Logic:

A Text-Book of Deductive Logic Ray P. K,2023-07-18 A Text Book of Deductive Logic is a comprehensive guide to the principles of deductive logic Written by PK Ray a professor of philosophy the book provides clear explanations and examples of the principles of deductive reasoning and their applications With exercises and problems to reinforce understanding this book is an indispensable resource for students of philosophy and logic This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work Scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public We appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant A Text-book of Deductive Logic P. K. Ray, 1894 A Text-book of Deductive Logic P. K. Ray, Prasanna K. Ray, 1886 A Text-Book of **Deductive Logic** P. K. Ray, 2012-01 Unlike some other reproductions of classic texts 1 We have not used OCR Optical Character Recognition as this leads to bad quality books with introduced typos 2 In books where there are images such as portraits maps sketches etc. We have endeavoured to keep the quality of these images so they represent accurately the original artefact Although occasionally there may be certain imperfections with these old texts we feel they deserve to be made available for future generations to enjoy A Text-Book of Deductive Logic P. K. Ray, 2015-06-16 Excerpt from A Text Book of Deductive Logic For the Use of Students The present work has been mainly prepared for the use of students An attempt has been made to explain clearly and concisely the fundamental doctrines of Deductive Logic The work consists of three Parts with an Introduction and an Appendix The first chapter of the Introduction treats in the first place of the definition and province of Logic and then proceeds to the special subject of the book and lays down its scope and limits The second chapter explains the fundamental principles of Deductive Logic The three parts then treat successively of Terms Propositions and Deductive Reasoning In the chapter on Immediate Inference a full account is given of the generally accepted forms The method of demonstration by circles so extensively employed in this work for proving both immediate and mediate inferences is not new The use of circles says Ueberweg as an aid in the demonstration of the doctrine of Syllogism especially in Syllogistic proper has been referred by modern logicians e g by Mass J D Gergonne Bachmann and Bolazano to Euler About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www forgottenbooks com This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve

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