

Cambridge University Press

978-0-521-86124-3 - How to Prove it: A Structured Approach: Second edition

Daniel J. Velleman

Copyright Information

[More information](#)

# HOW TO PROVE IT

A Structured Approach

Second Edition

Daniel J. Velleman

*Department of Mathematics and Computer Science  
Amherst College*



CAMBRIDGE  
UNIVERSITY PRESS

Cambridge University Press  
 978-0-521-86124-3 - How to Prove it: A Structured Approach: Second edition  
 Daniel J. Velleman  
 Copyright Information  
[More information](#)

## CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

© Cambridge University Press 1994, 2006

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First edition first published 1994  
 Reprinted 1995 (twice), 1996 (twice), 1998, 2006  
 Second edition first published 2006  
 Reprinted 2006, 2008 (twice), 2009  
 Reprinted 2015

Printed in the United States of America by Sheridan Books, Inc.

*A catalog record for this publication is available from the British Library.*

### *Library of Congress Cataloging in Publication Data*

Velleman, Daniel J.

How to prove it : a structured approach / Daniel J. Velleman. – 2nd ed.  
 p. cm.

Includes bibliographical references and index.

ISBN-13: 978-0-521-86124-3 (hardback)

ISBN-10: 0-521-86124-1 (hardback)

ISBN-13: 978-0-521-67599-4 (pbk.)

ISBN-10: 0-521-67599-5 (pbk.)

1. Logic, Symbolic and mathematical. 2. Mathematics. I. Title.

QA9.V38 2006

511.3 – dc22 2005029447

ISBN 978-0-521-86124-3 hardback

ISBN 978-0-521-67599-4 paperback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party Internet Web sites referred to in this publication and does not guarantee that any content on such Web sites is, or will remain, accurate or appropriate. Information regarding prices, travel timetables, and other factual information given in this work are correct at the time of first printing, but Cambridge University Press does not guarantee the accuracy of such information thereafter.