CONTENTS

INTRODUCTION

KNOWLEDGE AND MATHEMATICAL REASONING

PROBLEM-SOLVING AND DEDUCTION

MEASUREMENT OF KNOWLEDGE

INDUCTIVE ACQUISITION OF KNOWLEDGE

PROGRAMMING TOOLS FOR KNOWLEDGE-REPRESENTATION

DIALOGUE-TRANSFER OF KNOWLEDGE TO MACHINES

DIALOGUE-TRANSFER OF KNOWLEDGE TO HUMANS

CASE STUDIES IN EMPIRICAL KNOWLEDGE

PERCEPTUAL KNOWLEDGE

WORLD-KNOWLEDGE FOR LANGUAGE-UNDERSTANDING