

# Contents

Foreword	vii
1 Introduction	1
2 Information processing in computer and man HERBERT A. SIMON and ALLEN NEWELL	39
3 Computers and the brain DEAN E. WOOLDRIDGE	65
4 Some studies in machine learning using the game of checkers. II — Recent progress ARTHUR L. SAMUEL	81
5 The compleat robot: A prolegomena to androidology MICHAEL SCRIVEN	117
6 The use of behavioural language to refer to mechanical processes D. M. MAC KAY	141

- 7 A critique of artificial reason  
HUBERT L. DREYFUS 159
- 8 Robots: Machines or artificially created life?  
H. PUTNAM 177
- Mere robots and others  
R. ALBRITTON 202
- 9 The imitation of man by machine  
ULRIC NEISSER 207
- 10 The logic of tacit inference  
MICHAEL POLANYI 219
- 11 The consequences for action  
MORTIMER ADLER 241