

CONTENTS

Preface	v
S.O.AANDERAA: On the decision problem for formulas in which all disjunctions are binary	1
D.BELSNES: The immortality problem for non-erasing Turing machines	19
W.W.BOONE, D.J.COLLINS and Yu.V.MATIJASEVIČ: Embeddings into semigroups with only a few defining relations	27
J.E.FENSTAD: The axiom of determinateness	41
J.-Y.GIRARD: Une extension de l'interprétation de Gödel à l'analyse, et son application à l'élimination des coupures dans l'analyse et la théorie des types	63
H.R.JERVELL: A normalform in first order arithmetic	93
G.KREISEL: A survey of proof theory II	109
Yu.V.MATIJASEVIČ: Diophantine representation of recursively enumerable predicates	171
P.MARTIN-LÖF: Hauptsatz for the intuitionistic theory of iterated inductive definitions	179
P.MARTIN-LÖF: Hauptsatz for the theory of species	217
D.PRAWITZ: Ideas and results in proof theory	235
W.V.QUINE: Predicate-functor logic	309
A.ROBINSON: Infinite forcing in model theory	317
K.SEGERBERG: Qualitative probability in a modal setting	341
W.W.TAIT: Normal form theorem for bar recursive functions of finite type	353
A.S.TROELSTRA: Notions of realizability for intuitionistic arithmetic and intuitionistic arithmetic in all finite types	369