Index

above
  modal, 55
    propositional, 120
adequate set, 56
admissible rule, 118
    propositional, 24
AR-model, 125
arithmetical realization, 19
arithmetically valid, 43
base preservativity logic
  arithmetical, 54
  semantical, 54
basic model, 121
basis, 119
below
  modal, 55
    propositional, 120
boxed formula, 54, 62
brilliant frames, 62

canonical, 57
canonical model
  preservativity logic, 56
  provability logic, 62
canonicity
  preservativity logic, 56
  provability logic, 62
closed fragment, 26
complete, 56
conservative, 74

collection method, 60
conversely well-founded, 68
correspondence, 56
d de Jongh translation, 36
Disjunction Property, 24
Disjunctive Principle, 23
extendible properties
  preservativity logic, 57
  provability logic, 62
extension property, 120
  up to n, 120
force
  modal, 55
    propositional, 120
Formalized Markov Scheme, 29
frame
  modal, 55
    propositional, 119
Gödelnumber, 12
gathering frames, 66
Heyting algebras, 31
Heyting Arithmetic, 21
I-example, 143
immediate successor, 120
independence, 87
intermediate logic, 118
interpretability, 28
interpretability logic, 28
intuitionistic relation, 55

J-example, 143
Jaskowski model, 121
Kripke model, 119

L-frames, 69
Löb’s Preservativity Principle, 23
Löb’s Principle, 29

language
preservativity logic, 54
provability logic, 61

Le-adequate set, 72
Le-property, 70
Le–property, 70
Leivant’s Principle, 29
leivant-node, 70

lm-chain, 100
logic, 54

Ma-property, 85
Markov’s Rule, 25
markov-node, 85
maximal, 116
maximal node, 120
modal relation, 55
model
modal, 55
propositional, 119

Montagna’s Principle, 23
Mp-property, 75

Necessitation Rule, 29
nodes, 55
nonboxed formula, 62

Peano Arithmetic, 21


preservation, 54
Index

valuation relation, 55
variants, 120
Visser’s Principles, 23
Visser’s Scheme, 23
$Vp_n$-property, 81
$Vp^\infty$-property, 78
$Vp$-property, 81