Concepts and Formulas

Mathematical Reasoning

Truth Tables

• AND

Р	Q	P∧Q
Т	Т	Т
Т	F	E° .
F°	Т	E .
E°	F	E

• OR

Р	Q	$P \lor Q$
Т	T	T
Т	F	T
F	T	T
F	F	F

NOT

Р	~ P
Т	F
F	Т

Conditional

Р	Q	$P \Longrightarrow Q$
T	F	F
T	Τ	T
F	Τ	T
F	F	T