BOOLEAN LOGIC

BASICS
TRUTH TABLES
DE MORGAN'S LAW

Symbols TRUE FALSE NOT - AND

BASICS

OPERET OF OPERATIONS
LEFT TO RIGHT

1.0

VIHE GREAT INVERTER

$$!(x < 3) \Rightarrow x > = 3$$

TRUTH TABLES

BOOLEAN TEST = X le yi

X	Y	xeey
THEF	ナドナド	444

SHORT CIRCUIT AKA LAZY EVAL FIRST FALSE IN AN AND FAILS THE TEST FIRST TEUE IN AN OR PASSES THE TEST

AND ALL TRUE ONE TRUE

DE MORGAN'S LAW DISTRIBUTE / SIMPLIFY LOGICAL EXPRESSIONS

! (x 11 y) el !

| X Re | (!x ee y) ! x ee x 11!y | xeex 11 !