

# 1 Boolean Algebra

Truth tables

## 1.1 AND

A	AND	B	Result
True	AND	True	True
True	AND	False	False
False	AND	True	False
False	AND	False	False

## 1.2 OR

A	OR	B	Result
True	OR	True	True
True	OR	False	True
False	OR	True	True
False	OR	False	False

## 1.3 NOT

NOT	A	Result
NOT	False	True
NOT	True	False

## 1.4 NAND

NOT AND

A	NAND	B	Result
True	NAND	True	False
True	NAND	False	True
False	NAND	True	True
False	NAND	False	True

## 1.5 NOR

NOT OR

A	NOR	B	Result
True	NOR	True	False
True	NOR	False	False
False	NOR	True	False
False	NOR	False	True

## 1.6 XOR

Exclusive OR

A	XOR	B	Result
True	XOR	True	False
True	XOR	False	True
False	XOR	True	True
False	XOR	False	False