

Featured software

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| Distillation simulator | www.vaxasoftware.com/soft_eduen/sden.html |
| FunGraph - Graphs of mathematical functions | www.vaxasoftware.com/soft_eduen/fungraph.html |
| Design of distillation columns by McCabe-Thiele method | www.vaxasoftware.com/soft_eduen/mcth.html |
| Worksheets Generators for Maths and Chemistry | www.vaxasoftware.com/pc/index.html |
| Acid-base equilibrium calculator | www.vaxasoftware.com/soft_eduen/abew.html |
| Statistics and Probabilty tools for Windows | www.vaxasoftware.com/soft_eduen/statool.html |

T = True
F = False

Logical identity

| p | p |
|-----|-----|
| T | T |
| F | F |

NOT, $\neg p$, \bar{p} , $\sim p$

Logical negation

| p | NOT p |
|-----|---------|
| T | F |
| F | T |

AND, $p \wedge q$, $p \cdot q$

Logical conjunction

| p | q | p AND q |
|-----|-----|-------------|
| T | T | T |
| T | F | F |
| F | T | F |
| F | F | F |

OR, $p \vee q$, $p + q$

Logical disjunction

| p | q | p OR q |
|-----|-----|------------|
| T | T | T |
| T | F | T |
| F | T | T |
| F | F | F |

XOR, $p \neq q$, $p \leftrightarrow q$

Exclusive disjunction

| p | q | p XOR q |
|-----|-----|-------------|
| T | T | F |
| T | F | T |
| F | T | T |
| F | F | F |

NAND, $\overline{p \wedge q}$

Logical NOT AND

| p | q | p NAND q |
|-----|-----|--------------|
| T | T | F |
| T | F | T |
| F | T | T |
| F | F | T |

NOR, $\overline{p \vee q}$

Logical NOT OR

| p | q | p NOR q |
|-----|-----|-------------|
| T | T | F |
| T | F | F |
| F | T | F |
| F | F | T |

XNOR, $p = q$, $p \leftrightarrow q$

Logical equality

| p | q | $p = q$ |
|-----|-----|---------|
| T | T | T |
| T | F | F |
| F | T | F |
| F | F | T |

IF p THEN q , $p \rightarrow q$, p IMP q

Logical implication

| p | q | $p \rightarrow q$ |
|-----|-----|-------------------|
| T | T | T |
| T | F | F |
| F | T | T |
| F | F | T |