

Statement

$1+1=2 = T$

$3 \times 3 = 8 = F$

Logic operators: NOT AND and OR and exclusive OR

Logical formula from a truth table: $\neg(p \wedge q \wedge r) \wedge \neg(p \wedge \neg q \wedge \neg r) \wedge \neg(\neg p \wedge \neg q \wedge \neg r)$

DeMorgans rule: 2 statements have the same truth table