

Basics of Logic

- Boolean algebra
- Boolean variable
- Propositional logic
- Logical connectives
 - conjunction
 - disjunction
 - negation
 - implication (logical consequence)
 - exclusive or (XOR)
 - equivalence
- Truth table
- Algebraic Properties
 - commutativity
 - associativity
 - distributivity (\times is distributive over $+$)
- Disjunctive Normal Form
- Literal
- Clause
- Conjunctive Normal Form
- Significant variable (существенная переменная)
- Dummy variable (фиктивная переменная)