

Några viktiga satser inom Boolesk algebra.

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| 1. | $x + y = y + x$
$x \cdot y = y \cdot x$ | Kommutativa lagarna |
| 2. | $x \cdot (y + z) = x \cdot y + x \cdot z$
$x + (y \cdot z) = (x + y) \cdot (x + z)$ | Distributiva lagarna |
| 3. | $x + 0 = x$
$x \cdot 1 = x$ | |
| 4. | $x + x' = 1$
$x \cdot x' = 0$ | |
| 5. | $x + 1 = 1$
$x \cdot 0 = 0$ | |
| 6. | $x + x = x$
$x \cdot x = x$ | |
| 7. | $x + (y + z) = (x + y) + z$
$x \cdot (y \cdot z) = (x \cdot y) \cdot z$ | Associativa lagarna |
| 8. | $(x + y)' = x' \cdot y'$
$(x \cdot y)' = x' + y'$ | De Morgans lagar |
| 9. | $(x')' = x$ | |