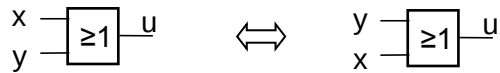
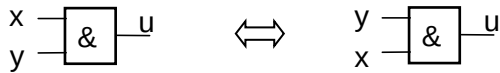


Viktiga satser i switchnätalgebra och motsvarande grindnät

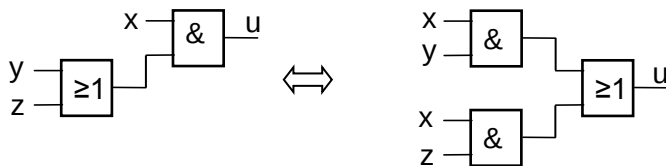
1. $x + y = y + x$



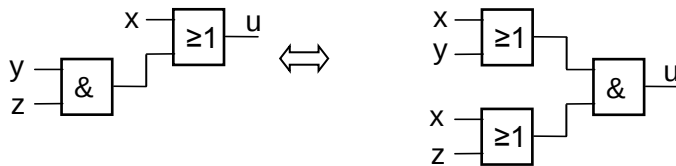
$$x \cdot y = y \cdot x$$



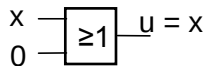
2. $x \cdot (y + z) = x \cdot y + x \cdot z$



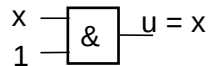
$$x + (y \cdot z) = (x + y) \cdot (x + z)$$



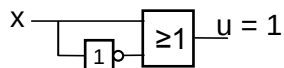
3. $x + 0 = x$



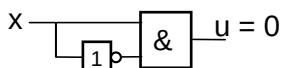
$$x \cdot 1 = x$$



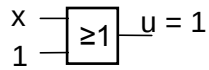
4. $x + x' = 1$



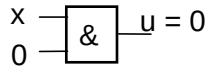
$$x \cdot x' = 0$$



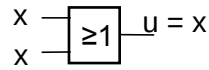
5. $x + 1 = 1$



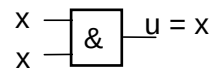
$x \cdot 0 = 0$



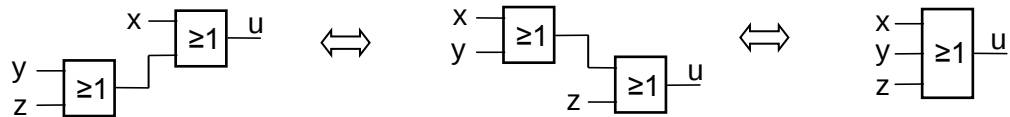
6. $x + x = x$



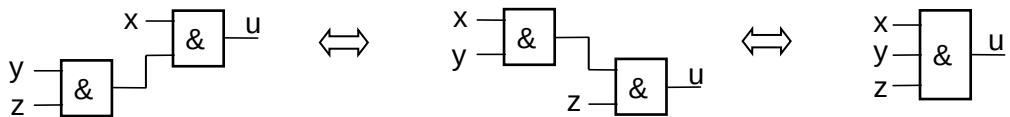
$x \cdot x = x$



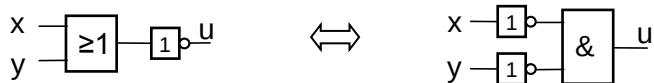
7. $x + (y + z) = (x + y) + z = x + y + z$



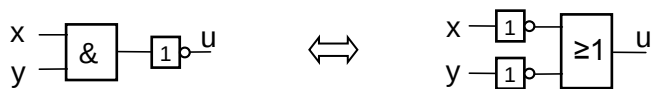
$x \cdot (y \cdot z) = (x \cdot y) \cdot z = x \cdot y \cdot z$



8. $(x + y)' = x' \cdot y'$



$(x \cdot y)' = x' + y'$



9. $(x')' = x$

