

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. $x + 0 = x$

$x \cdot 1 = x$

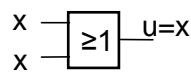
4. $x + x' = 1$

$x \cdot x' = 0$

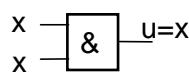
5. $x + 1 = 1$

$x \cdot 0 = 0$

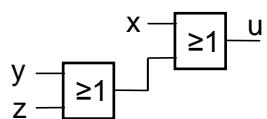
6. $x + x = x$



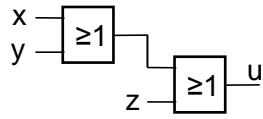
$x \cdot x = x$



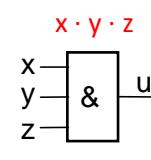
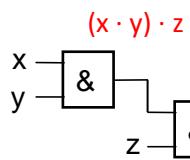
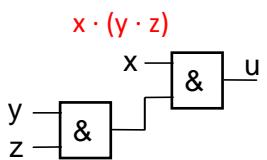
7. $x + (y + z) = (x + y) + z = x + y + z$



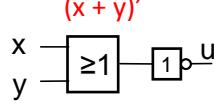
$(x + y) + z =$



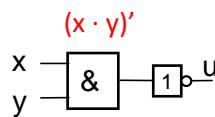
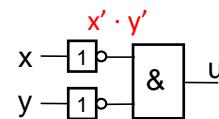
$x + y + z$



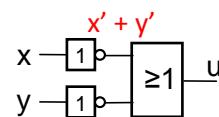
8. $(x + y)' = x' \cdot y'$



\Leftrightarrow



\Leftrightarrow



9. $(x')' = x$

