

















From axioms to Truth Tables						VERSITÀ DI ROMA IRTIMENTO DI INFORMATICA
1.	By Neutral element, $0 + \overline{0} = \overline{0}$ By complement, $0 + \overline{0} = 1$ By transitivity, $\overline{0} = 1$ and, by duality, $\overline{1} = 0$					
2.	2. By neutral element, $0+0=0$ By annihilator element, $0+1=1+0=1+1=1$					
3. By duality, $1 \cdot 1 = 1$ e $0 \cdot 1 = 1 \cdot 0 = 0 \cdot 0 = 0$						
Her	ice :	$ \begin{array}{c cc} x & \overline{x} \\ \hline 0 & 1 \\ 1 & 0 \end{array} $	x y 0 0 0 1 1 0 1 1	x+y 0 1 1 1	$ \begin{array}{c} x \ y \\ 0 \ 0 \\ 1 \ 1 \\ 1 \ 1 \end{array} $	$ \begin{array}{c} x \cdot y \\ 0 \\ 0 \\ 1 \end{array} $
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