

George Boole 1815-1864



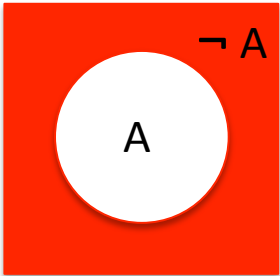
Probabilities



Boolean algebra-
Basis of computer logics.

x	y	$x \wedge y$	$x \vee y$	x	$\neg x$
0	0	0	0	0	1
1	0	0	1	1	0
0	1	0	1		
1	1	1	1		

$$\mathbb{P}(A \cup B) = \mathbb{P}(A) + \mathbb{P}(B) - \mathbb{P}(A \cap B),$$



AND NAND OR NOR XOR XNOR NOT

