Section 1.7: The Algebra of Sets Wednesday, October 07, 2015

membership table:

consider the element x in the universe T the set A is a subset of T two possibilities: $x \in A$ $x \notin A$

example: draw the membership table for ANA long-winded version (do not use!)

$$x \in A$$
 $x \in \overline{A}$ $x \in (A \cap \overline{A})$

no yes no no

terse version:

example: write at the numbership table for AUB

A	B	Ā	ÁUB	
0	0	1	(
G	1	(1	
l	0	0	0	
	_	_	•	

1	1	1
0	0	0
ι	0	1

exemple: Are the sets BU(BNA) and AUB equal to each other?

A UB

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