

Propiedades de las operaciones entre conjuntos

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- $\forall x \in \mathcal{U} : [x \in A \vee x \in A^c].$
- $\phi^c = \mathcal{U} \wedge \mathcal{U}^c = \phi.$
- $A \cup A^c = \mathcal{U}.$
- $(A^c)^c = A.$
- $A \setminus B = A \cap B^c.$
- $A \cap A^c = \phi.$
- $A \cup A = A, \quad A \cap A = A.$
- $A \cup B = B \cup A, \quad A \cap B = B \cap A.$
- $A \cup (B \cup C) = (A \cup B) \cup C.$
- $A \cap (B \cap C) = (A \cap B) \cap C.$
- $A \cup (B \cap C) = (A \cup B) \cap (A \cup C).$
- $A \cap (B \cup C) = (A \cap B) \cup (A \cap C).$
- $(A \cup B)^c = A^c \cap B^c.$
- $(A \cap B)^c = A^c \cup B^c.$