Sets

Definition (Set)

A set is a collection of object.

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Set Inclusion: $x \in A$ means x is an element of the set A.

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Definition (Set Difference)

$A - B = \{x \in A : x \notin B\}$.

DeMorgan's Laws

Theorem (DeMorgan's Laws)

$(A \cup B)^c = A^c \cap B^c$, $(A \cap B)^c = A^c \cup B^c$