

Linguaggio e Metodi della Matematica

Schemi di ragionamento su insiemi

$\frac{x \in A}{x \in A \cup B}$ O.I. _U	$\frac{x \in A \quad x \in B}{x \in A \cap B}$ A.I. _∩	$\frac{x \in A \cap B}{x \in A}$ A.E. _∩
$\frac{A \subseteq B \quad x \in A}{x \in B}$ M.P. _⊆	$\frac{A \subseteq B \quad x \notin B}{x \notin A}$ M.T. _⊆	
$\frac{A = B \quad x \in A}{x \in B}$ M.P. ₌	$\frac{A = B \quad x \notin B}{x \notin A}$ M.T. ₌	
$\frac{x \in A \cup B \quad x \notin A}{x \in B}$ D.S. _U	$\frac{A \subseteq B \quad B \subseteq C}{A \subseteq C}$ H.S. _⊆	
$\frac{x_{any} \in A \rightarrow x_{any} \in B}{A \subseteq B}$ ∇G _⊆	$\frac{A = \emptyset}{\forall x. x \notin A}$ ∅ ₌	$\frac{A \neq \emptyset}{\exists x. x \in A}$ ∅ _≠