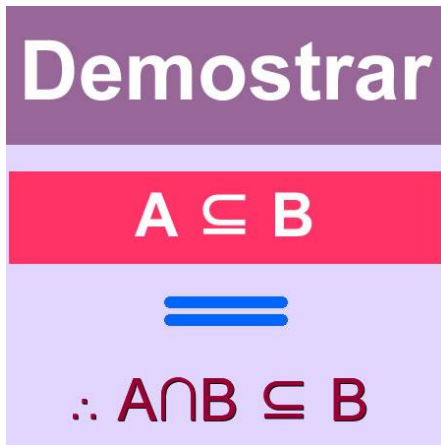


Hacer uso de las definiciones y teoremas de conjuntos para demostrar:

$$A \cap B \subseteq B$$



The diagram consists of three stacked rectangular boxes. The top box is purple and contains the word "Demostrar" in white. The middle box is red and contains the expression $A \subseteq B$ in white. The bottom box is light purple and contains the expression $\therefore A \cap B \subseteq B$ in dark red. A blue double horizontal line is positioned between the middle and bottom boxes, indicating an equivalence or goal.

Solución:

$\forall x: x \in A \rightarrow x \in B$	Hipótesis y definición inclusión
$\forall x: x \in A \wedge x \in B \rightarrow x \in B \wedge x \in B$	Ley adición
$\forall x: x \in A \wedge x \in B \rightarrow x \in B$	Idempotencia
$\forall x: x \in A \cap B \rightarrow x \in B$	Definición intersección
$A \cap B \subseteq B$	Definición inclusión
$\therefore A \cap B \subseteq B$	

