

EEQUUPO 4

De La Peña García Erick Yael 454763

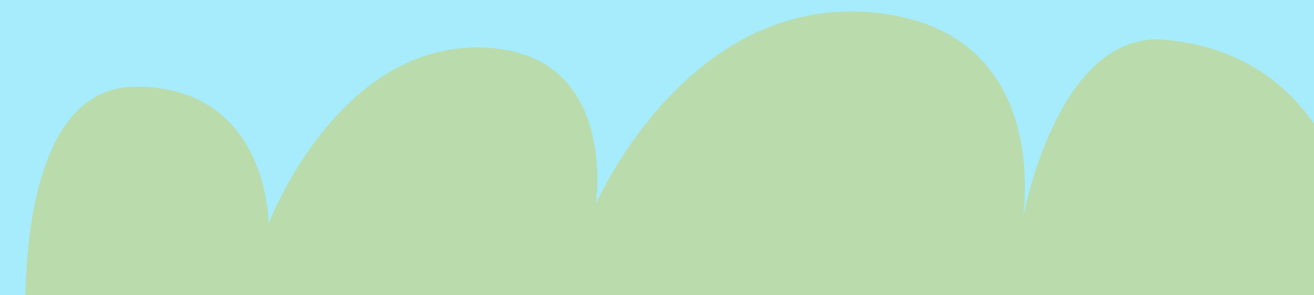
García Lugo Carla Miryel 453062

Muñoz Aguilar Kevin Adonai 382893

Tinoco Silva Korina Yakiro 392601



START

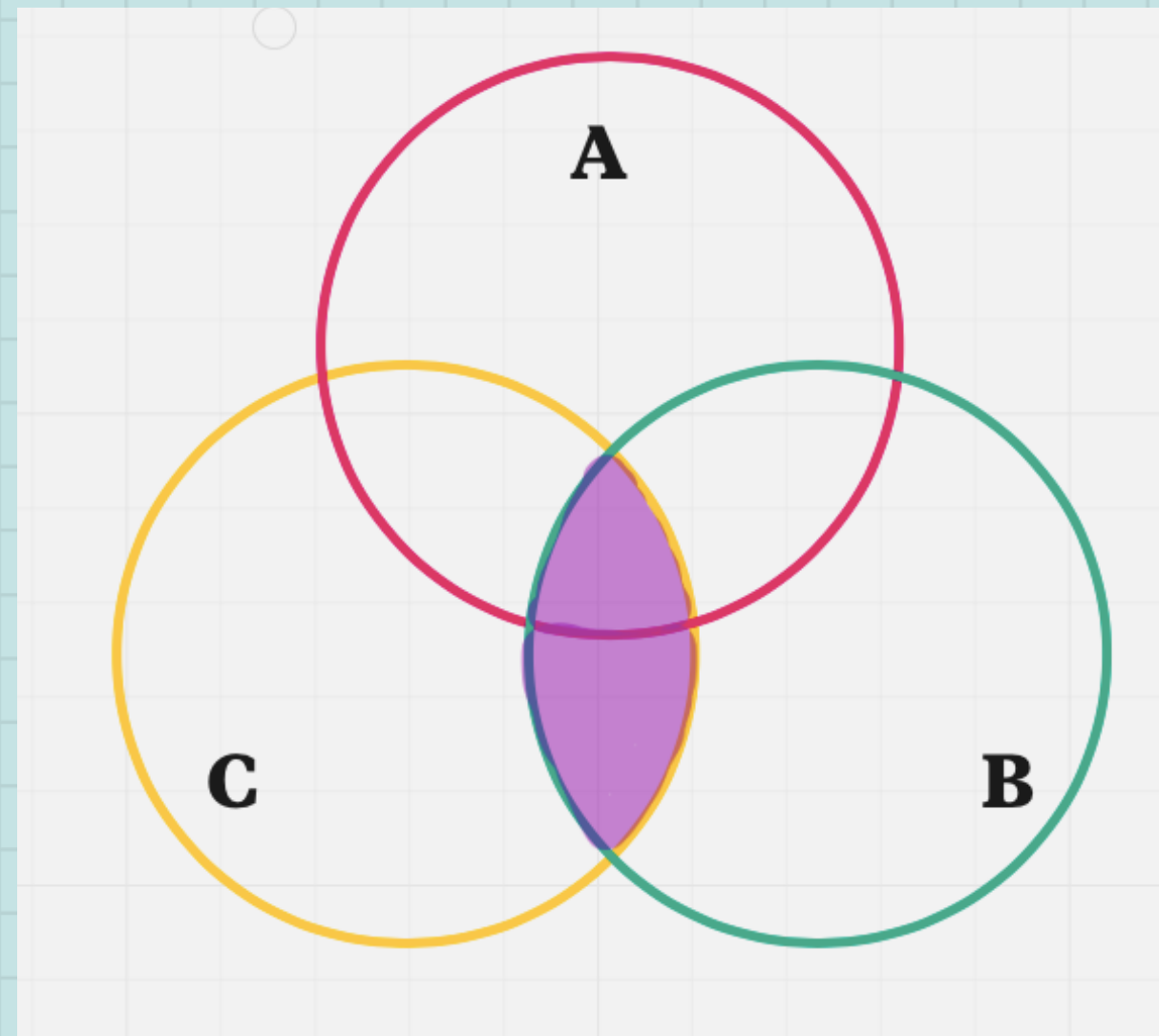


Propiedad Conmutativa



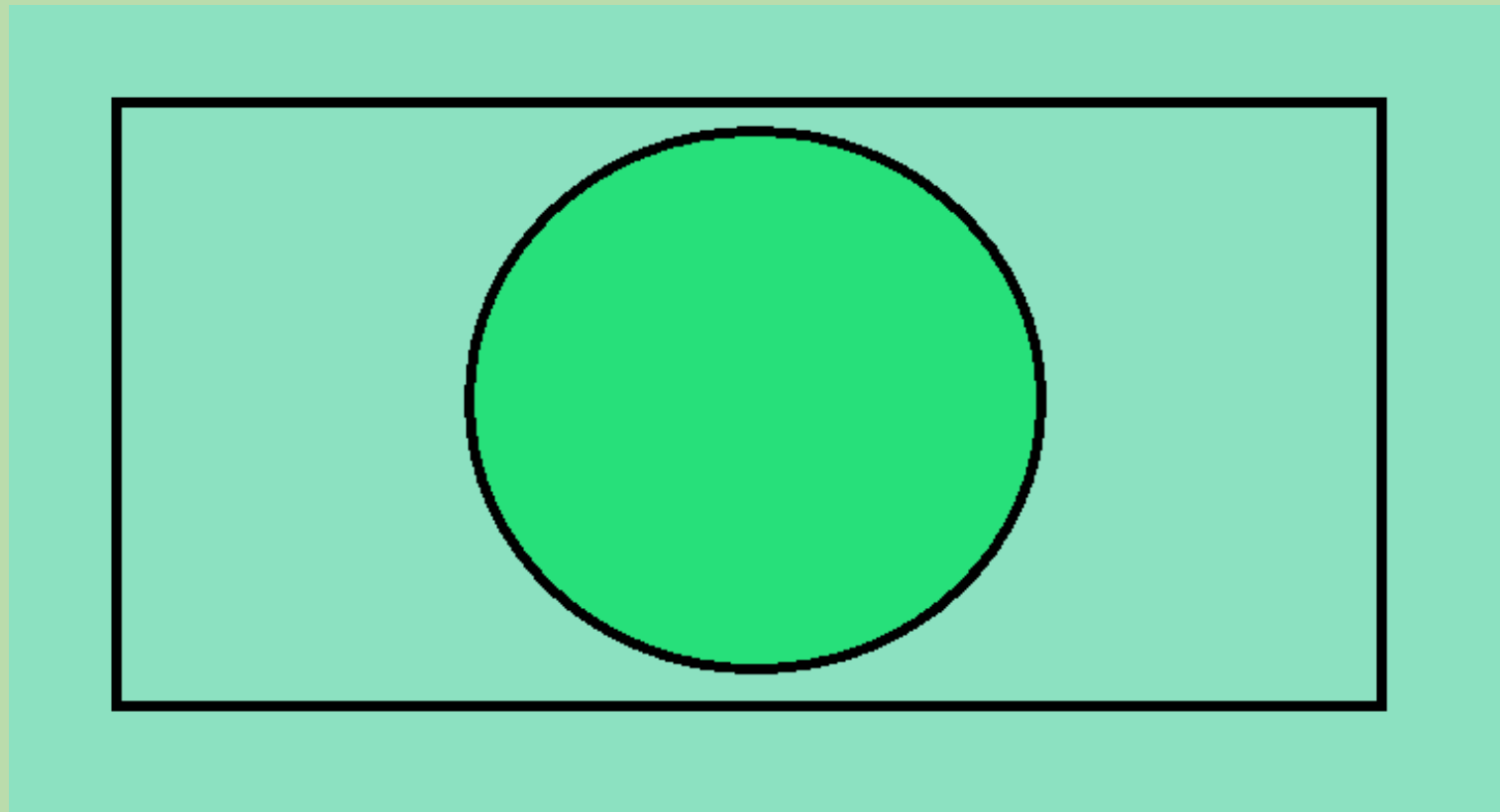
Propiedad Asociativa

De la interseccion

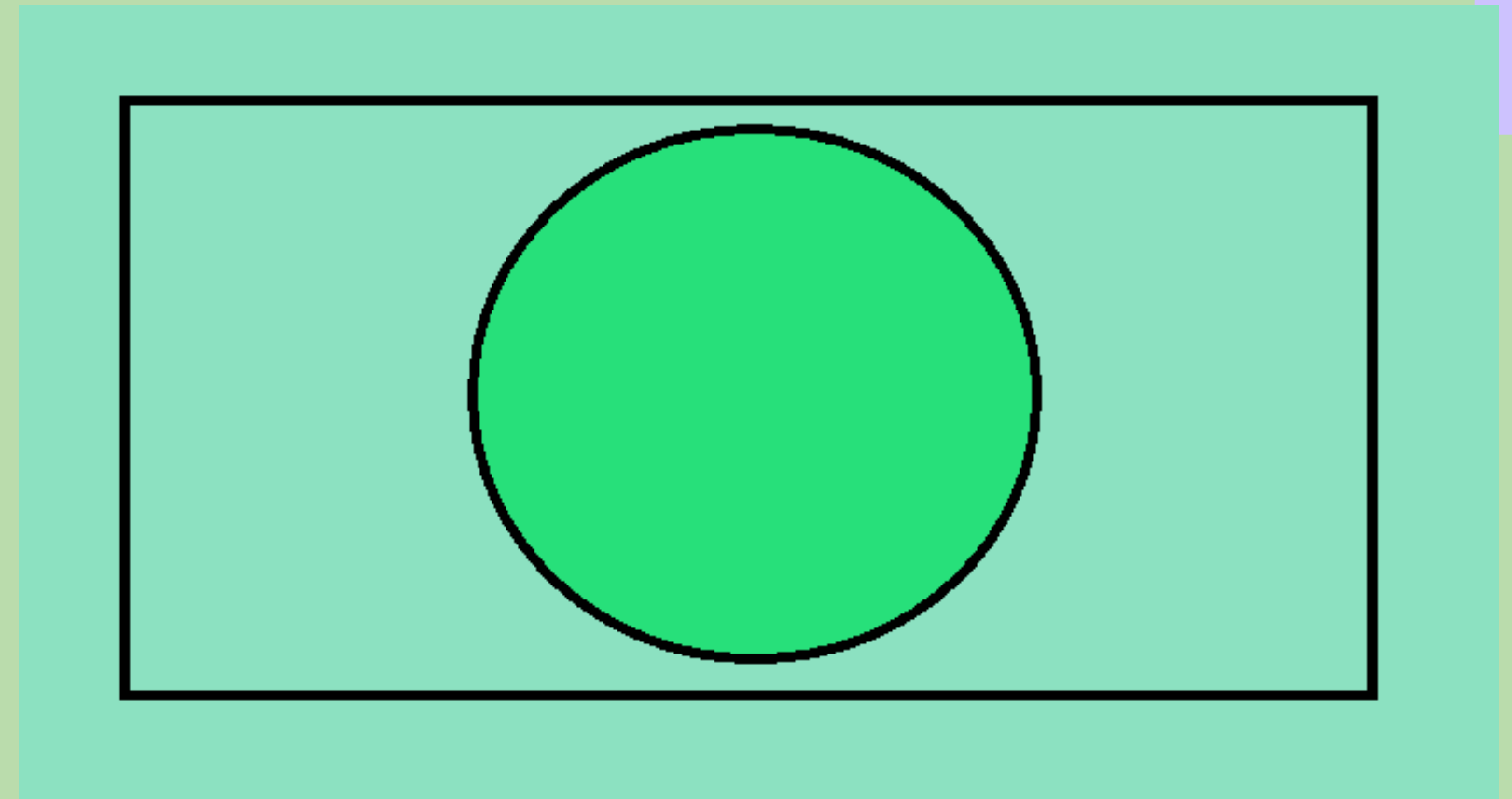


$$(A \cap B) \cap C = A \cap (B \cap C) = \emptyset$$

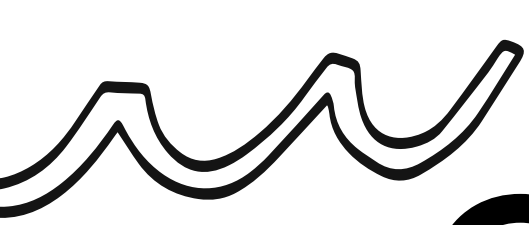
Propiedad de idempotencia



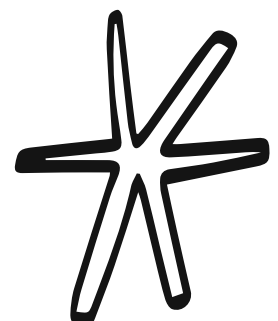
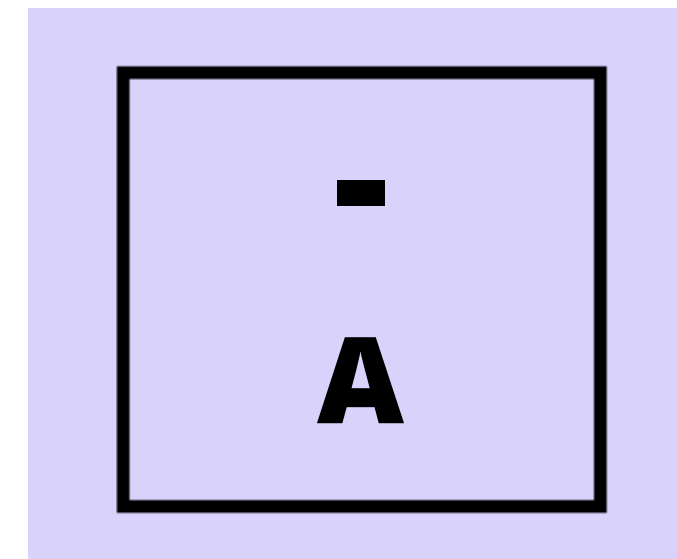
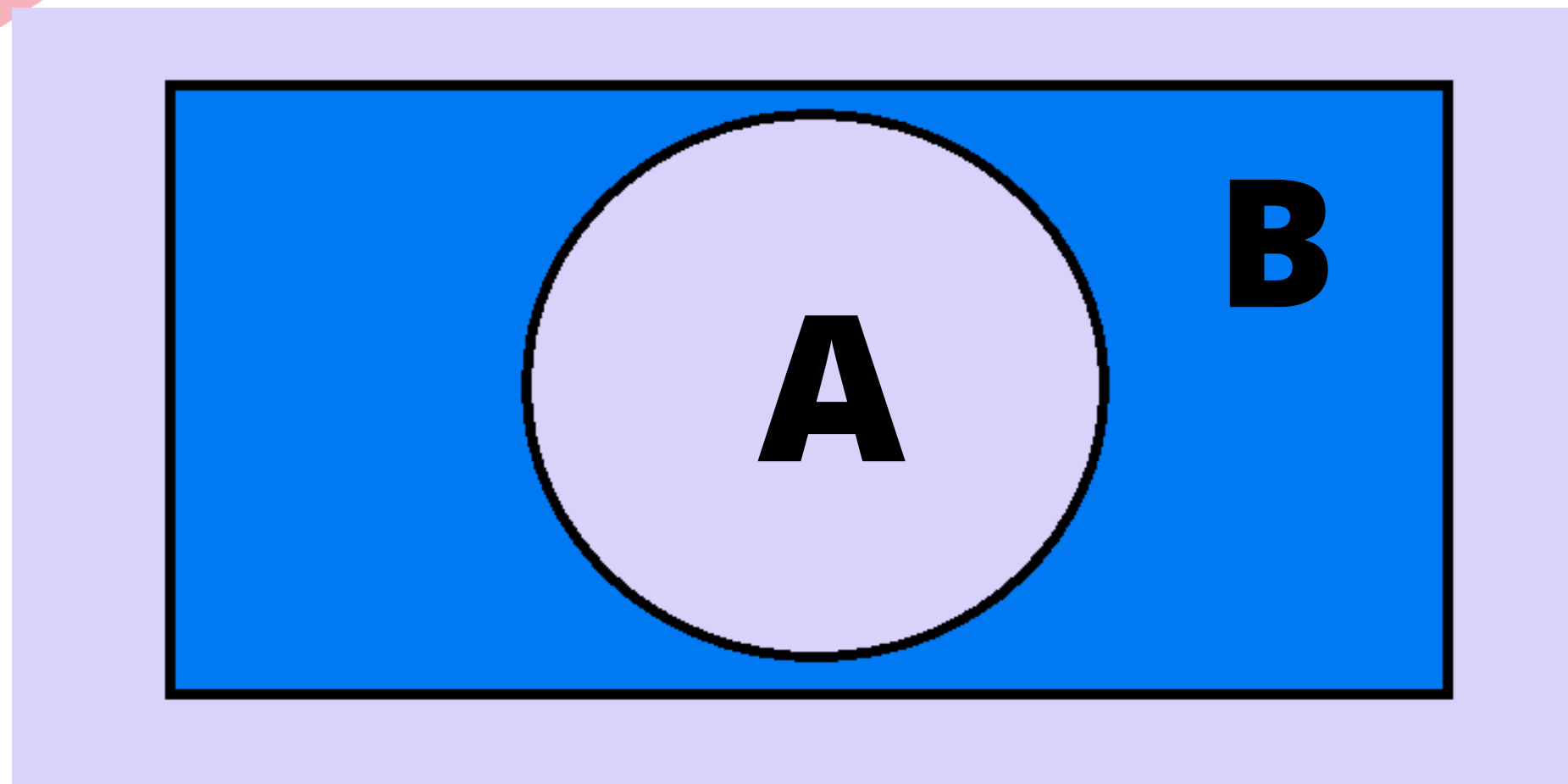
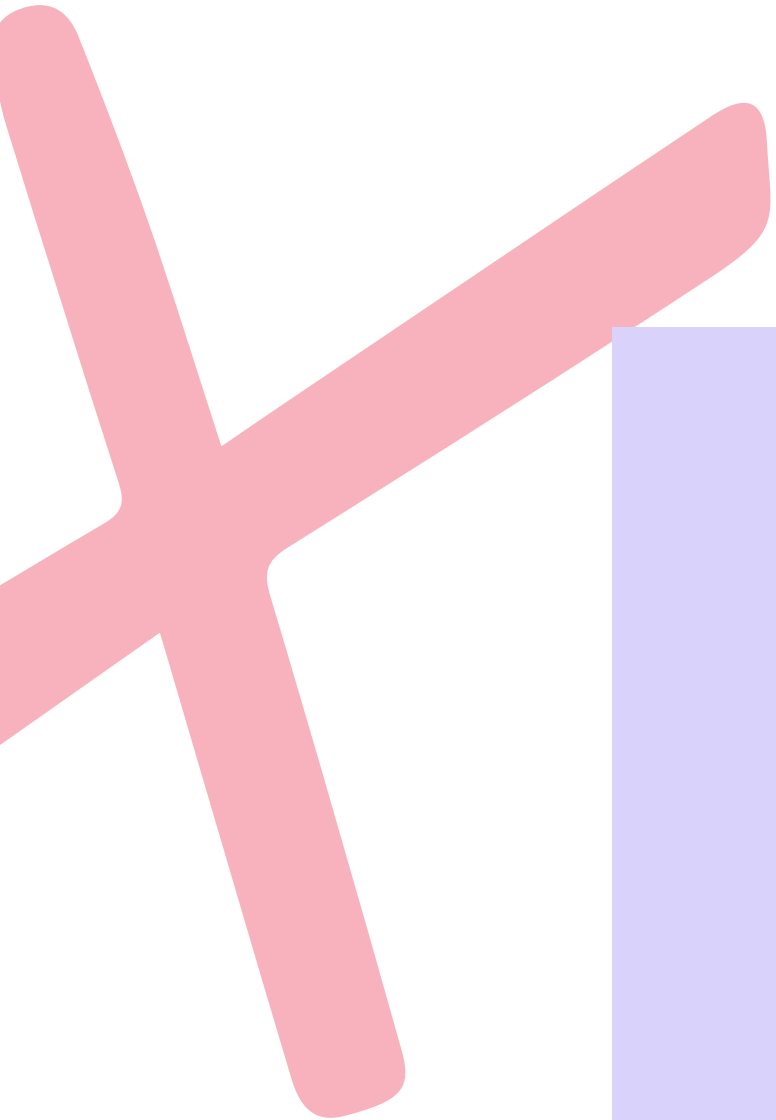
$$A \cup A = A$$



$$A \cap A = A$$

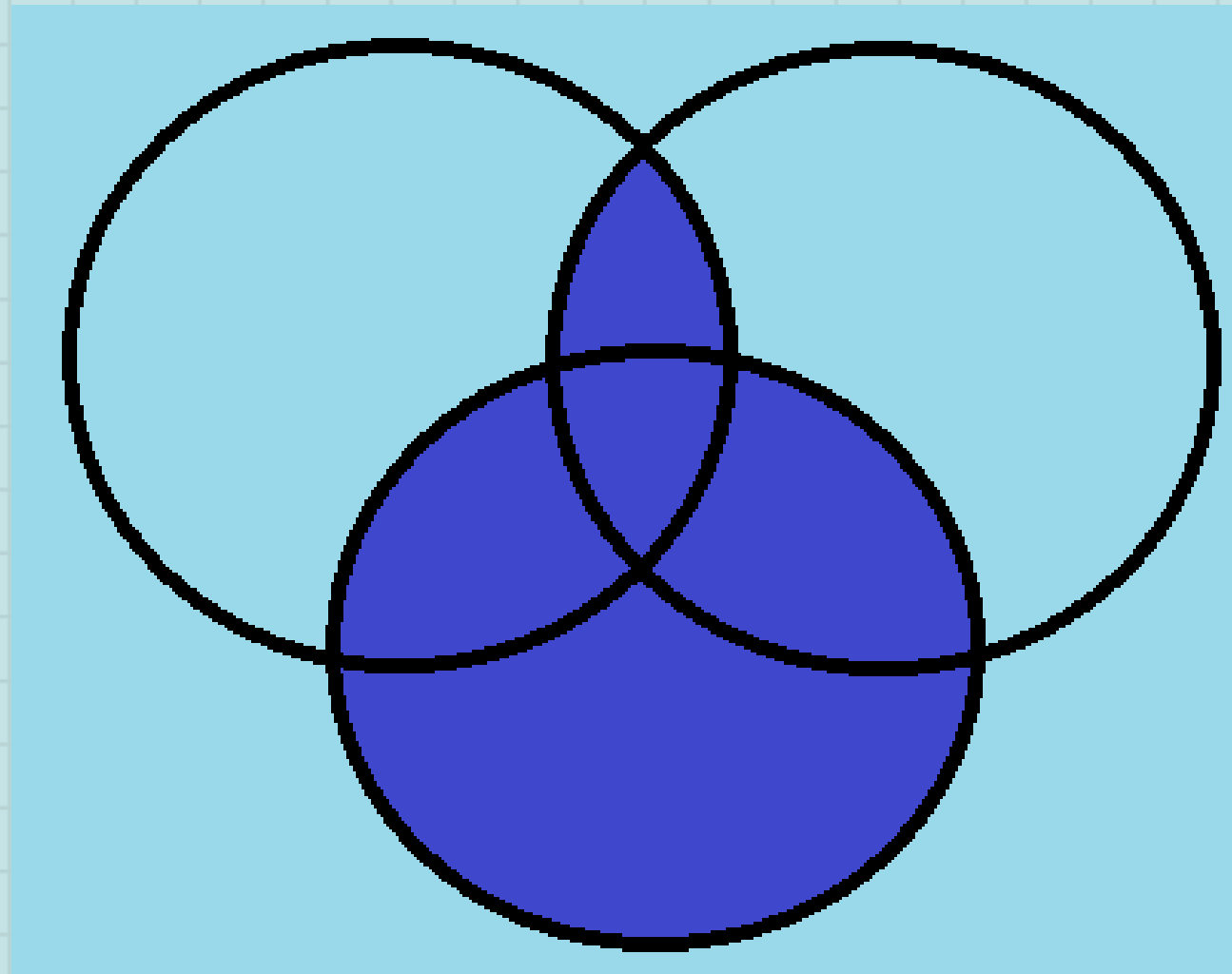


Conjunto complementario

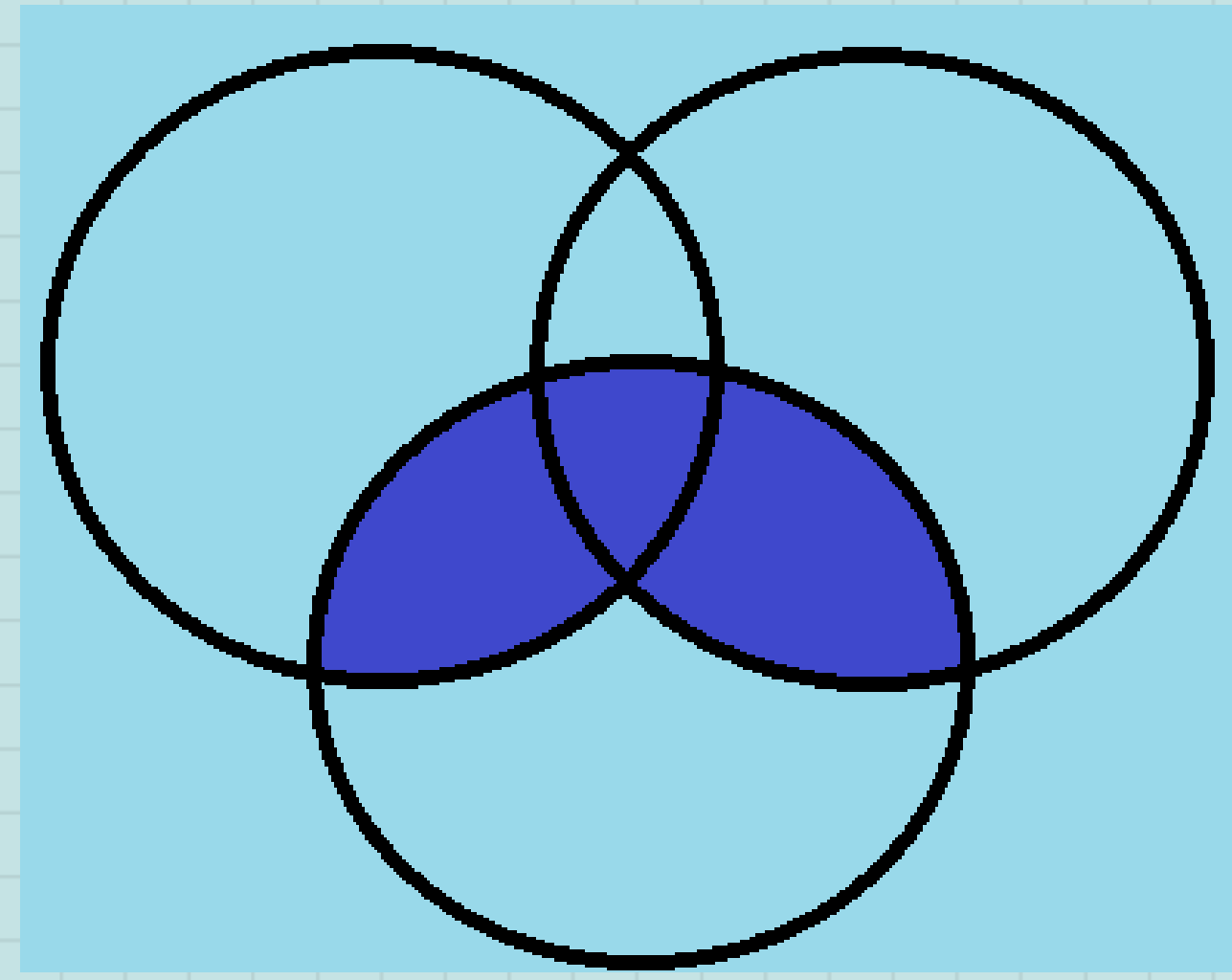


Complementos: $(A^c)^c = A$

Propiedad distributiva



$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$$

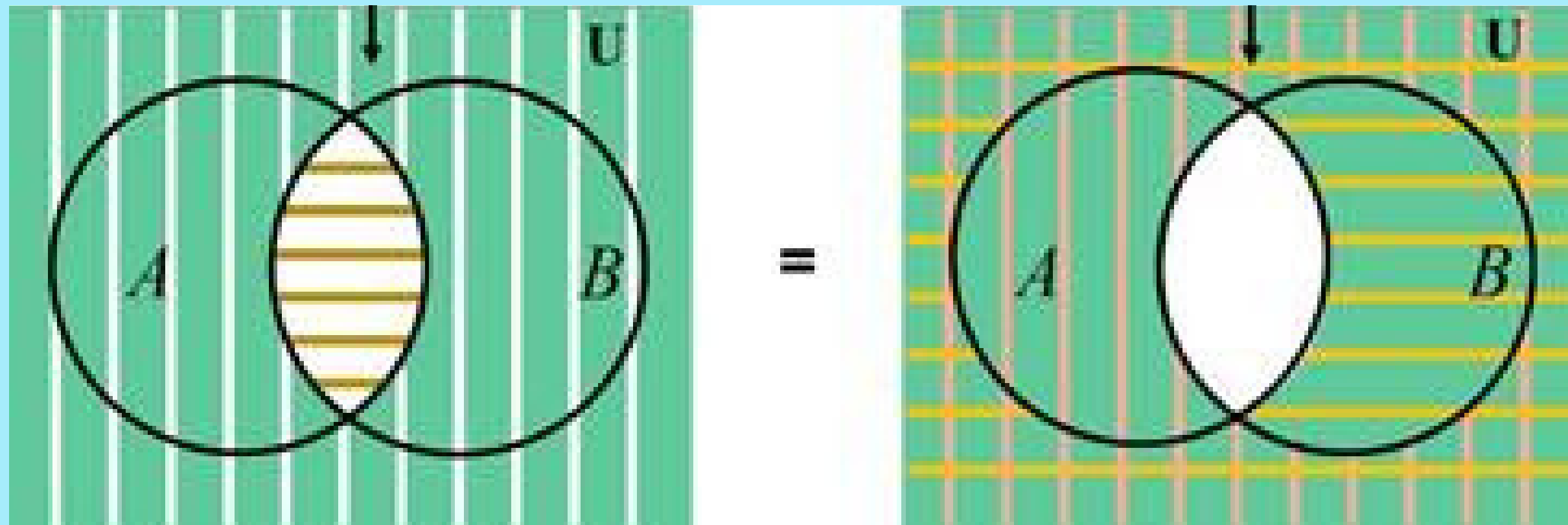


$$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$$

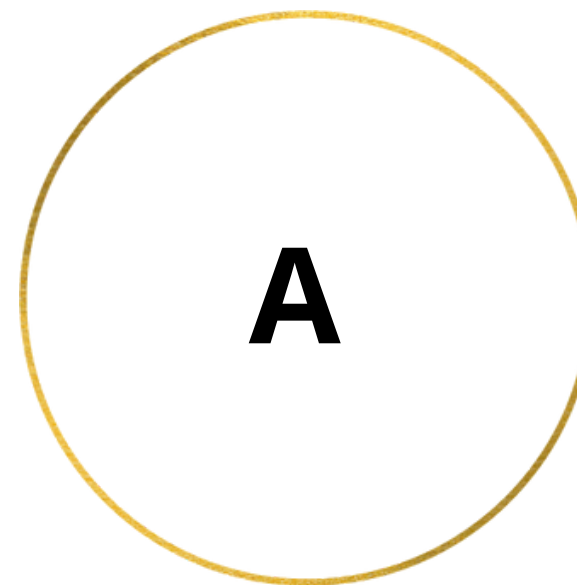
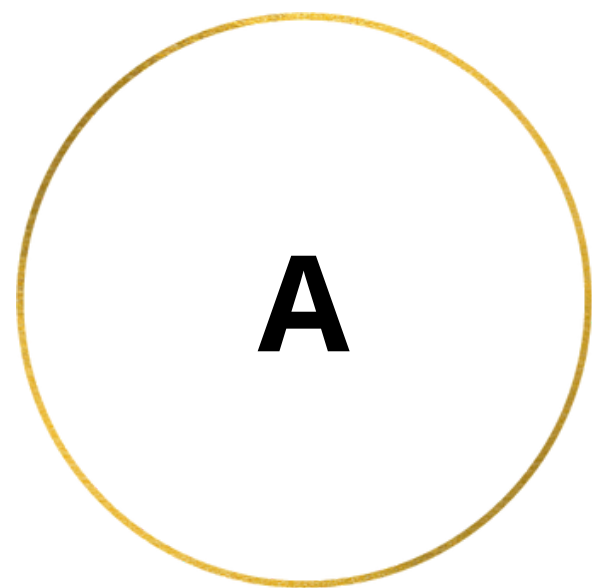
Ley de Morgan

$$(A \cap B)'$$

$$A' \cup B'$$

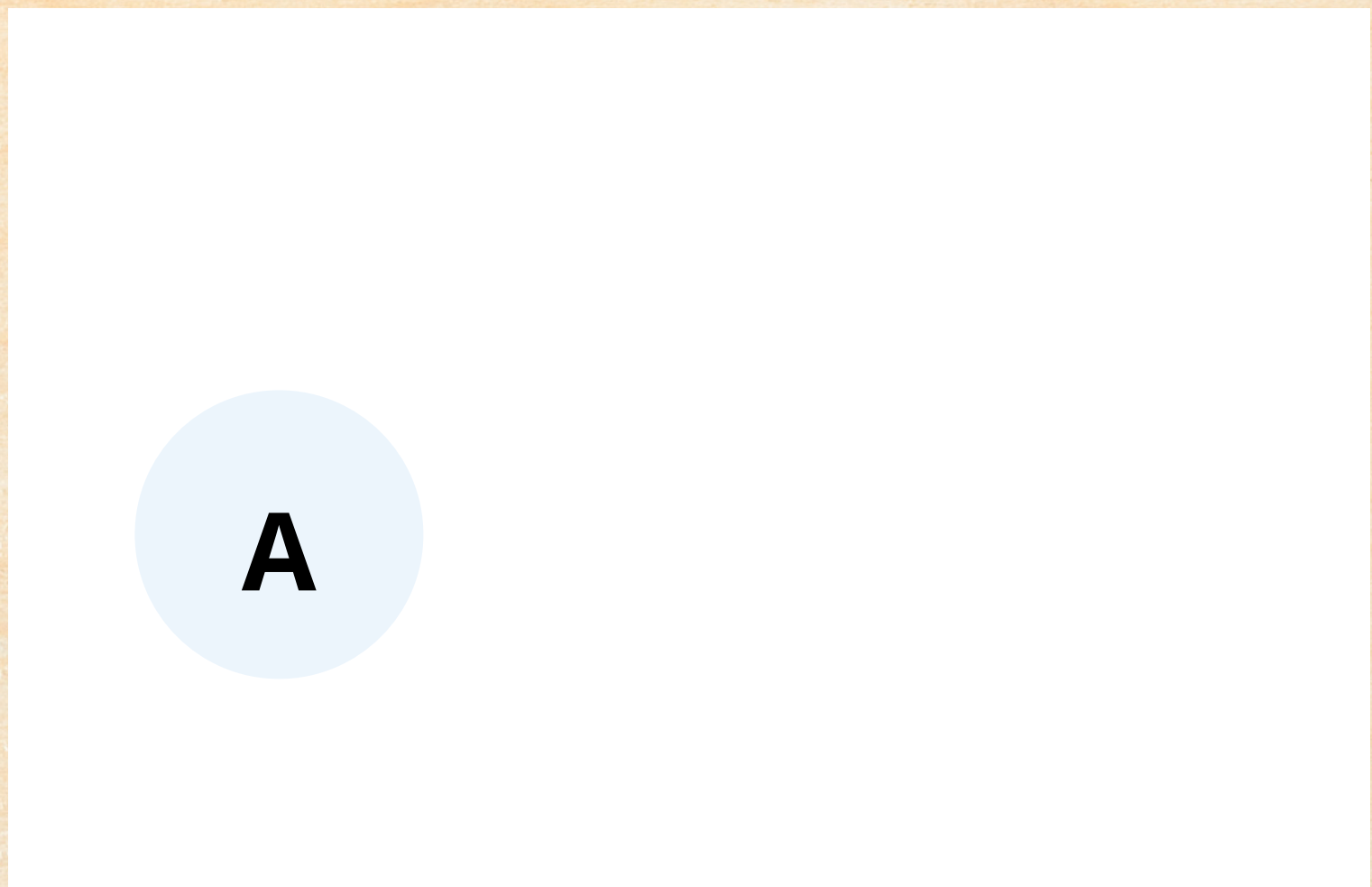
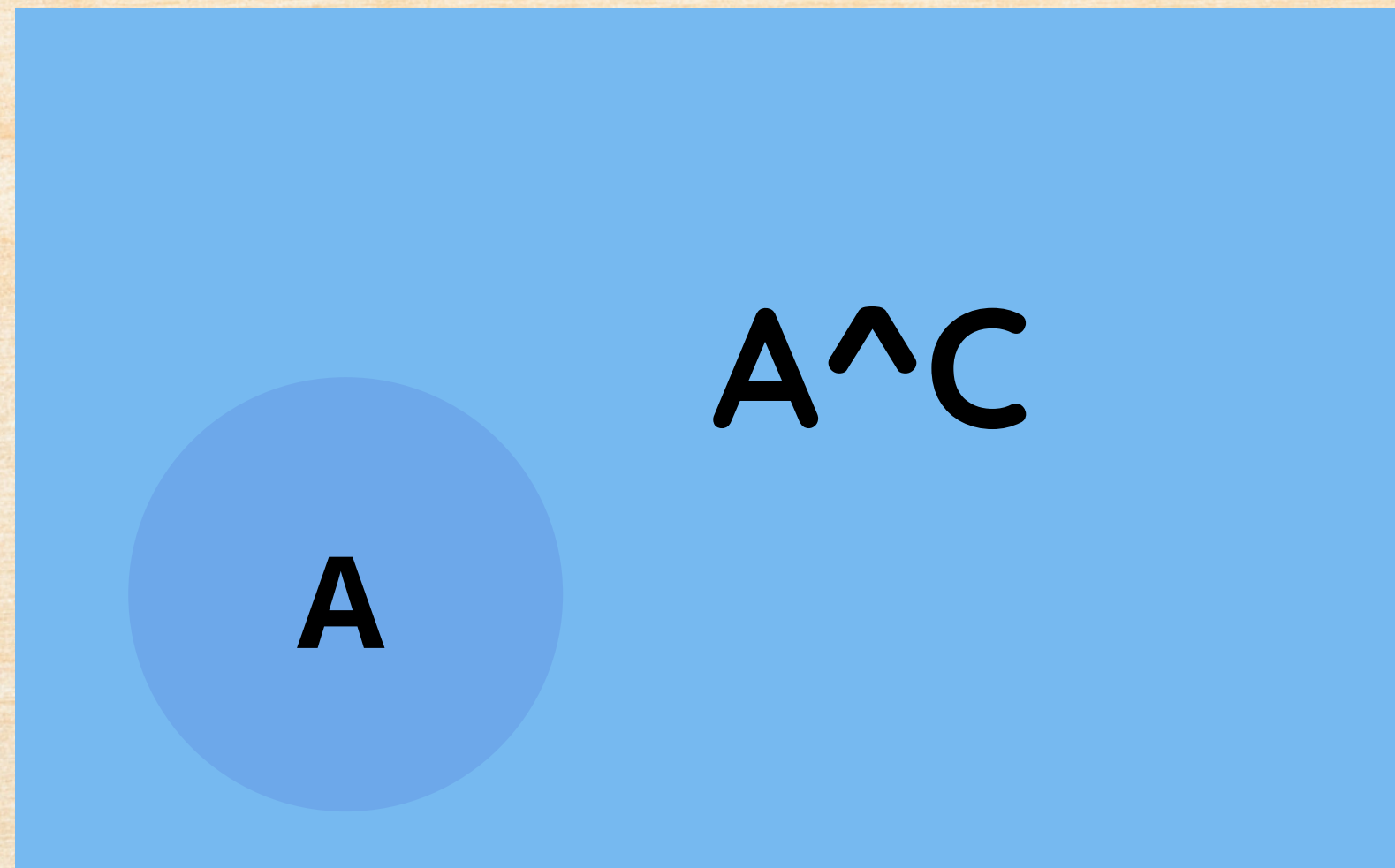


Conjunto Neutros



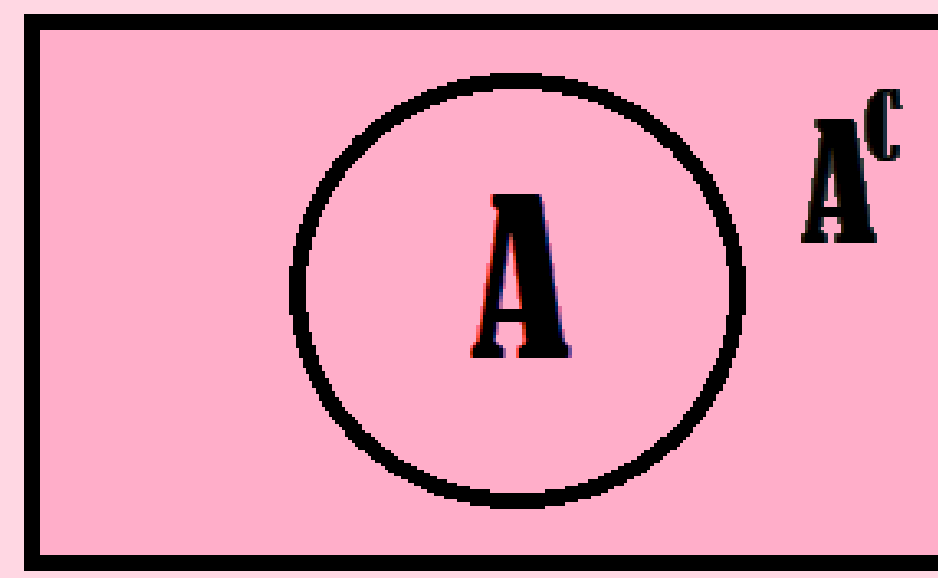
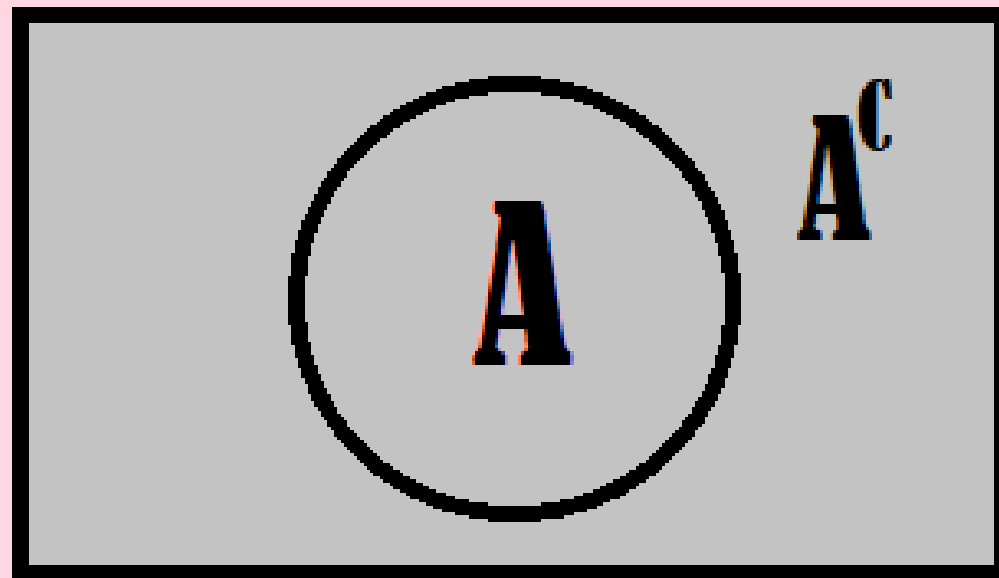
Neutros: $A \cup \emptyset = A$; $A \cap \mathbb{Z} = A$

Conjunto Dominacion



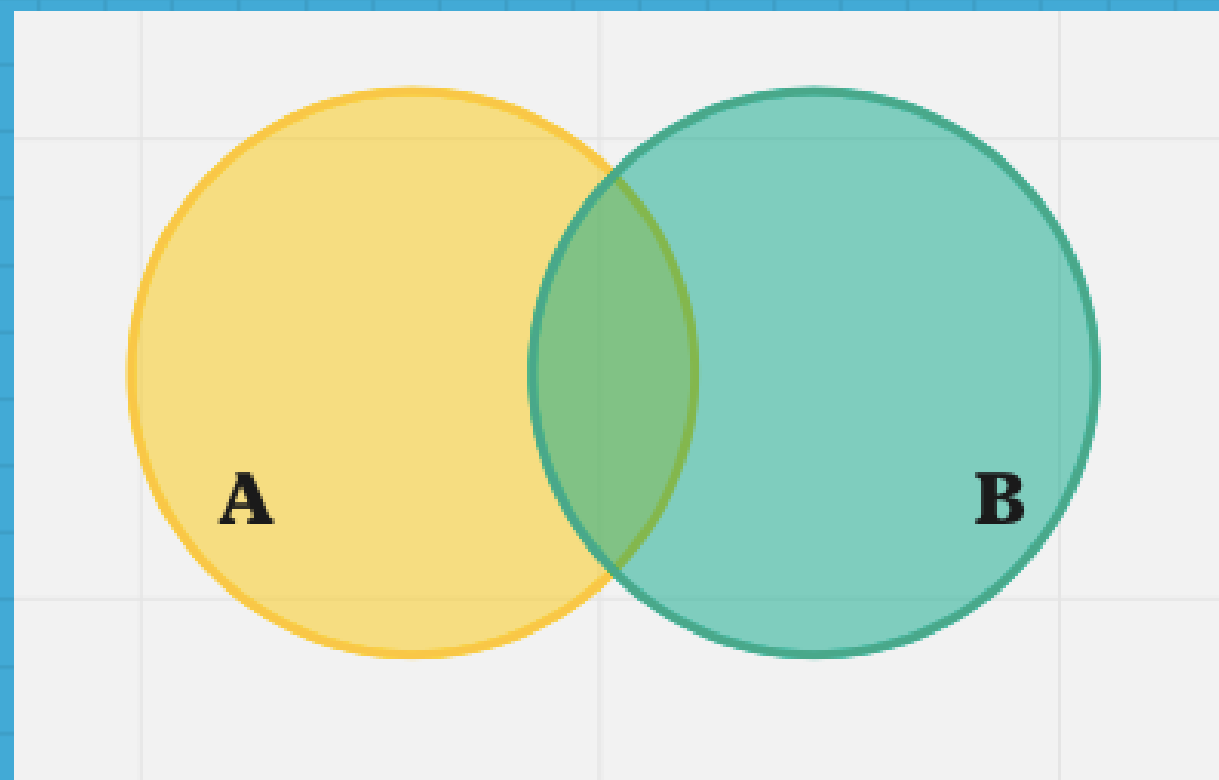
Dominación: $\mathbb{Z} \cup A = \mathbb{Z} ; \emptyset \cap A = \emptyset$

Propiedad Inverso

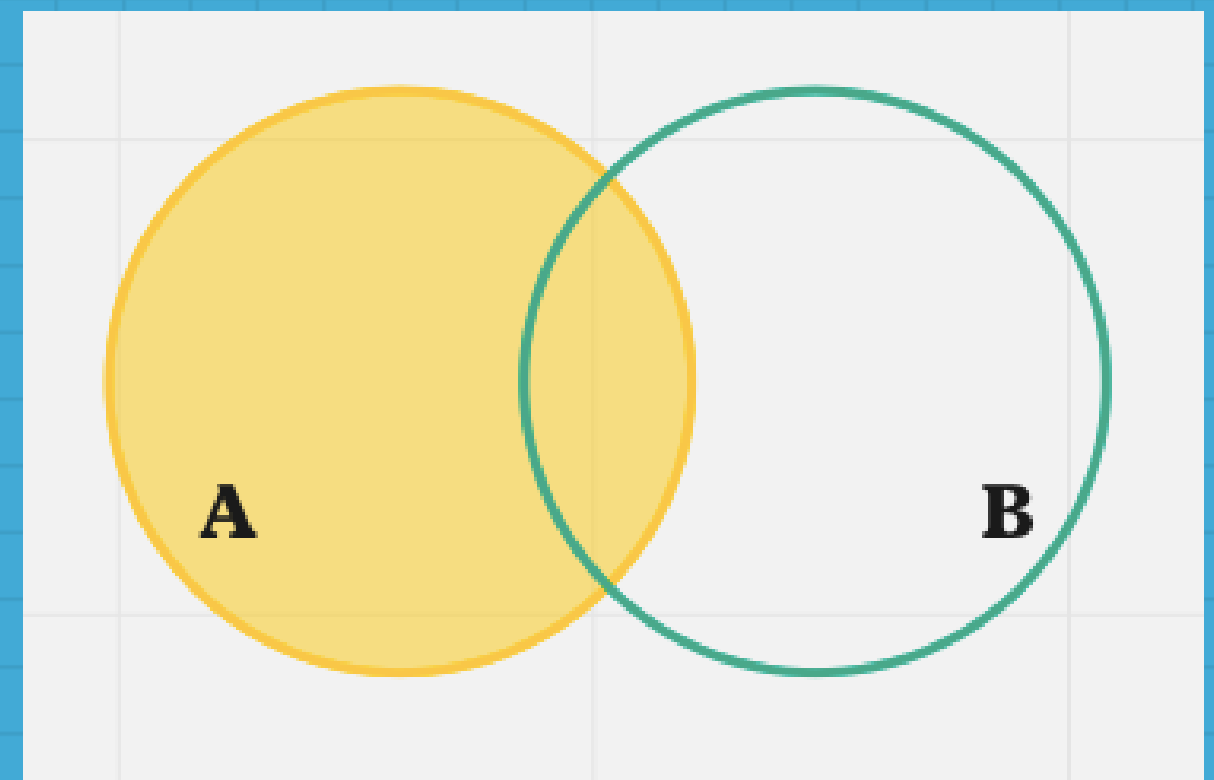


$$A \cup A^c = U \quad : \quad A \cap A^c = \emptyset$$

Absorcion



$$A \cup (A \cap B) = A$$



$$A \cup (A \cap B) = A$$