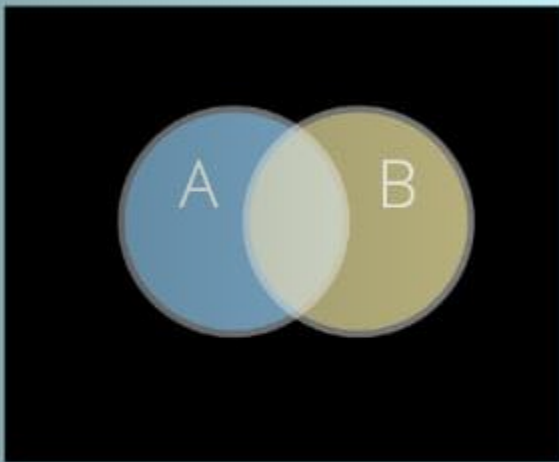
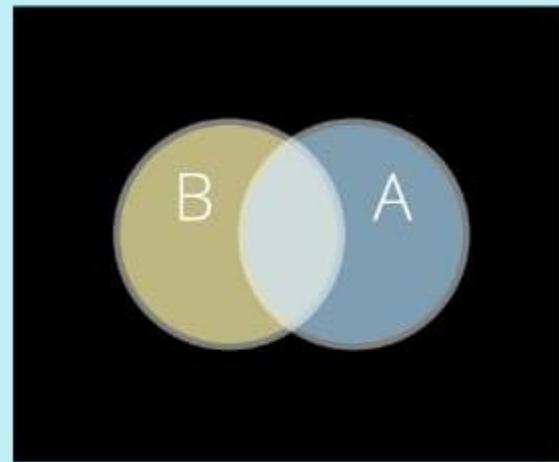


PROPIEDAD COMUNITATIVA

Unión



$$A \cup B$$

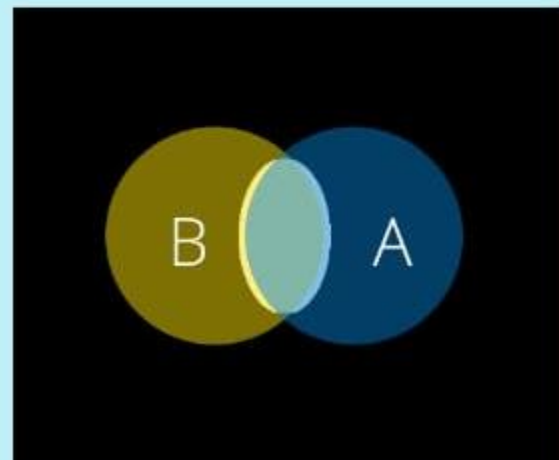


$$B \cup A$$

Intersección



$$A \cap B$$

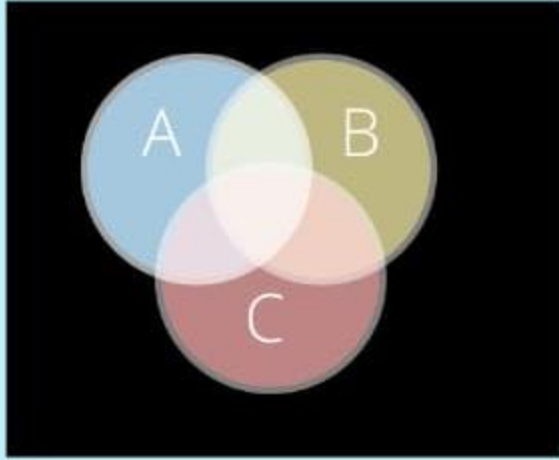


$$B \cap A$$

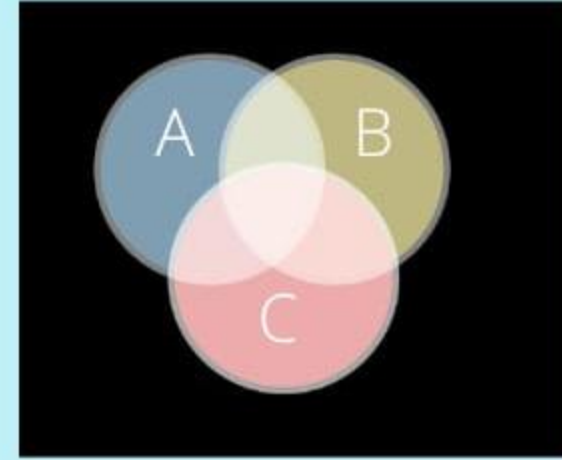
PROPIEDAD CONMUTATIVA

PROPIEDAD ASOCIATIVA

Unión

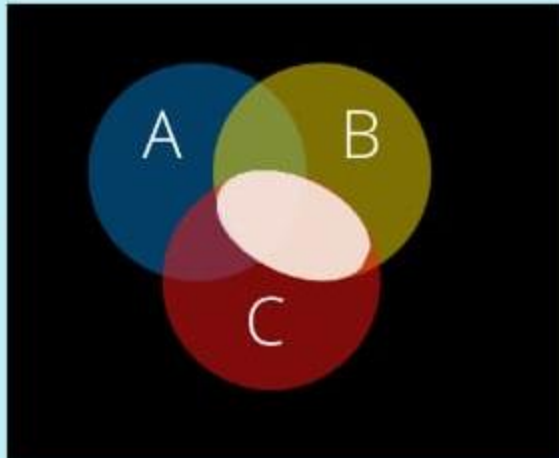


$$A \cup (B \cup C)$$

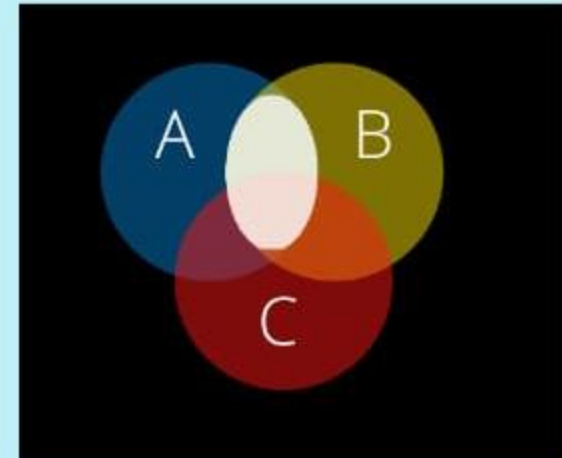


$$(A \cup B) \cup C$$

Intersección



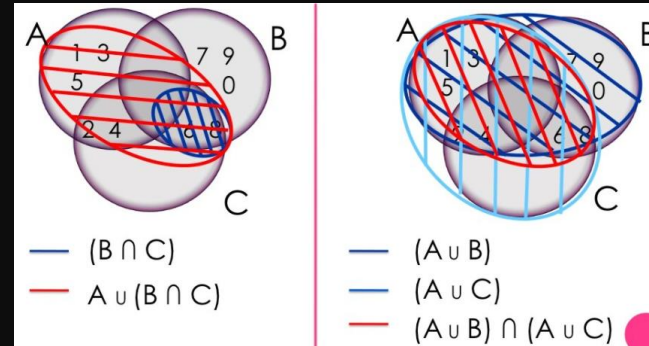
$$A \cap (B \cap C)$$



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

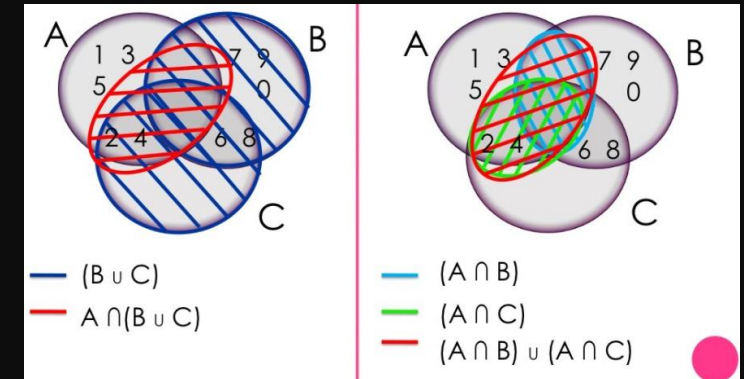
PROPIEDAD DISTRIBUTIVA DE LA UNIÓN

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



PROPIEDAD DISTRIBUTIVA DE LA INTERSECCIÓN

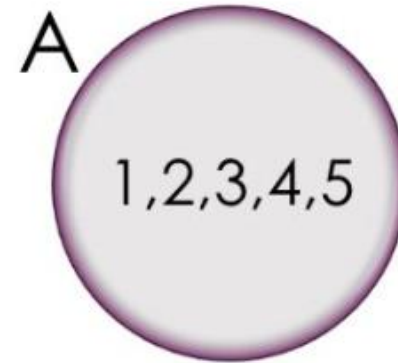
$$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$$



PROPIEDAD DISTRIBUTIVA IDEMPONENTE DE LA UNIÓN

$$A \cup A = A$$

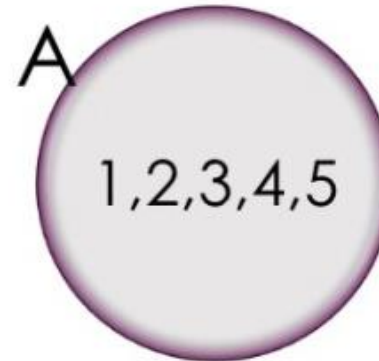
$$A \cup A = A$$



PROPIEDAD DISTRIBUTIVA IDEMPONENTE DE LA INTERSECCIÓN

$$A \cap A = A$$

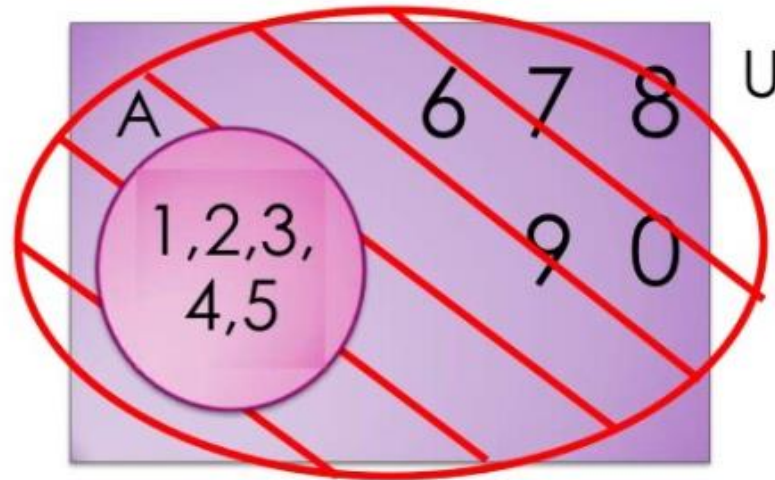
$$A \cap A = A$$



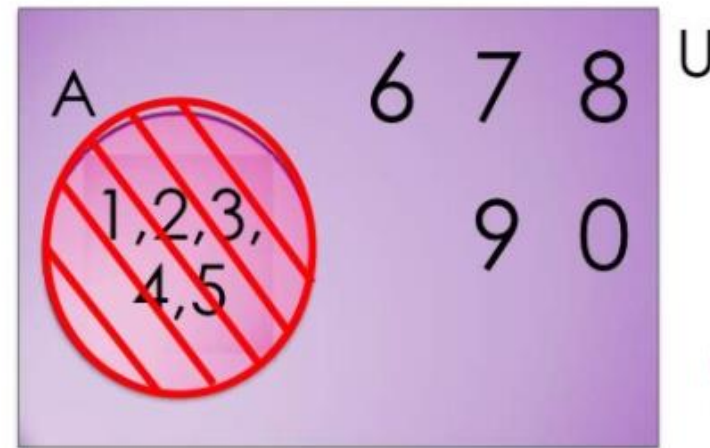
PROPIEDAD DISTRIBUTIVA DEL COMPLEMENTO

$$(A^C)^C = A$$

$$A^C =$$

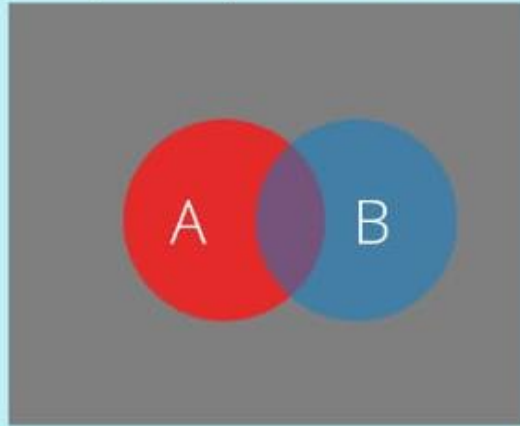


$$(A^C)^C = A$$

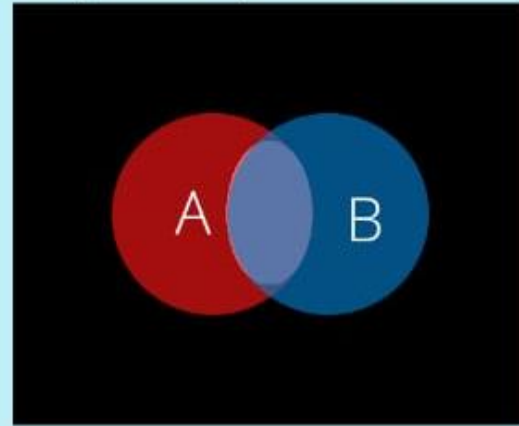


LEY DE MORGAN

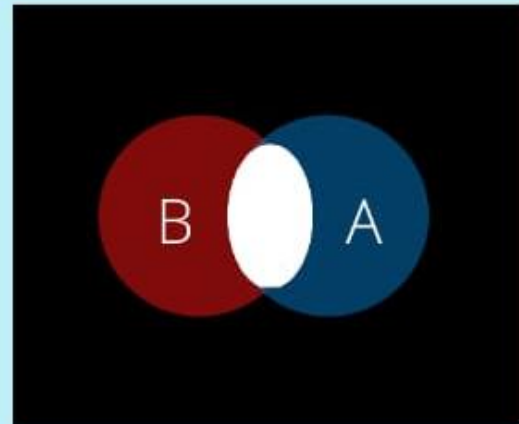
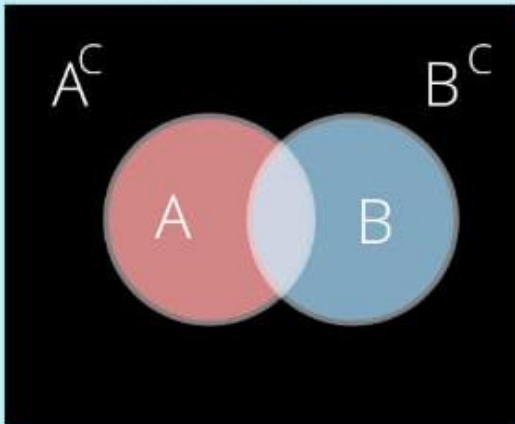
$$(A \cup B)^C = A^C \cap B^C$$



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



COMPLEMENTO

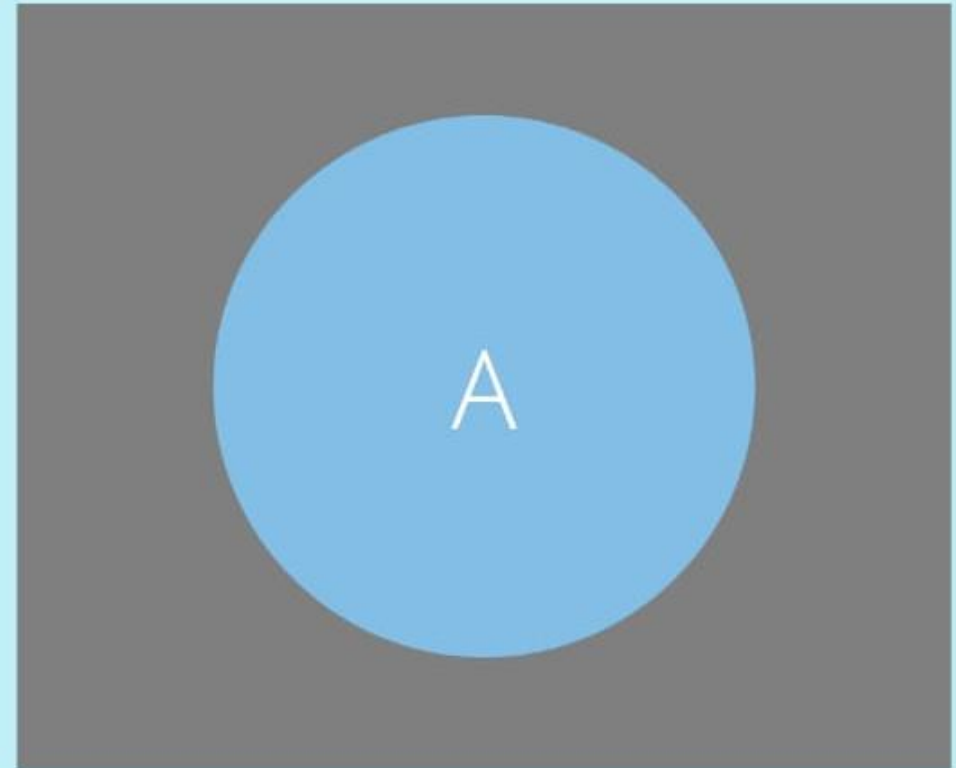
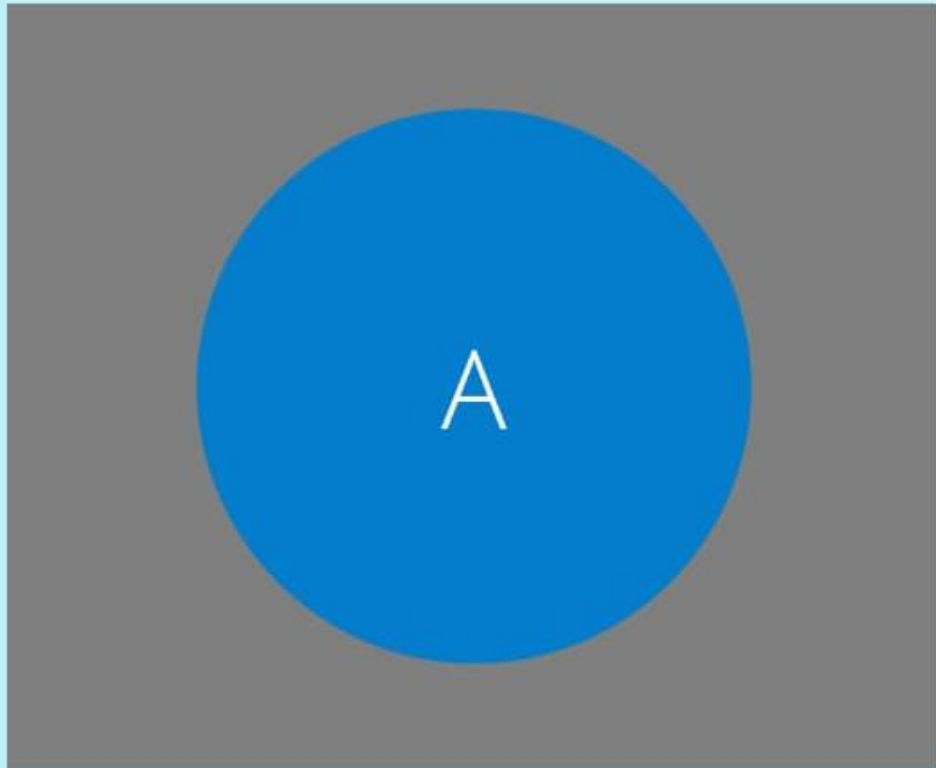


PROPIEDAD NEUTRO

$$A \cup \emptyset = A \quad ; \quad A \cap u = A$$

$\emptyset$ elemento neutro

u elemento neutro

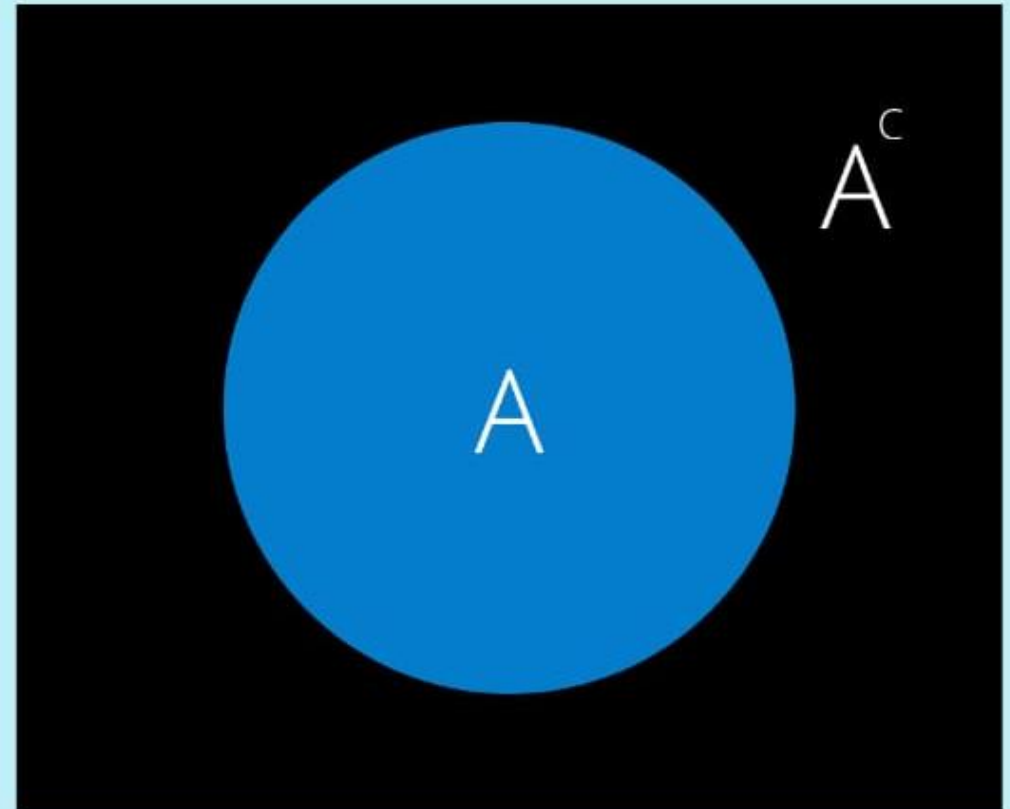
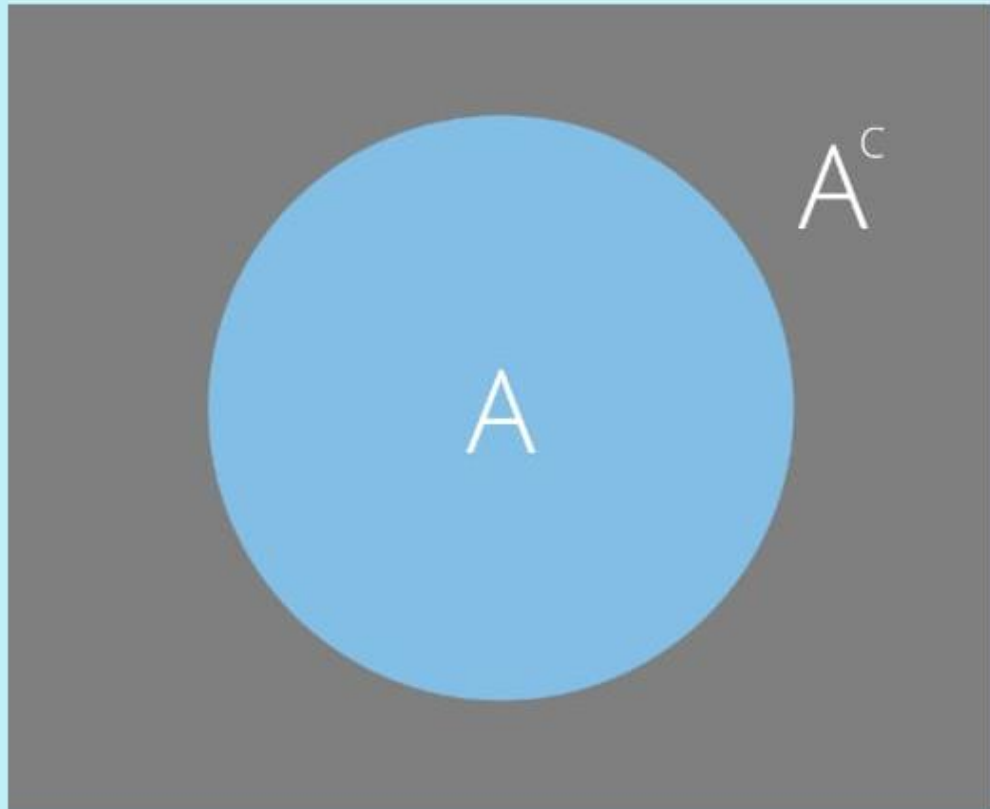


PROPIEDAD INVERSO

$$A \cup A^c = u \quad ; \quad A \cap A^c = \emptyset$$

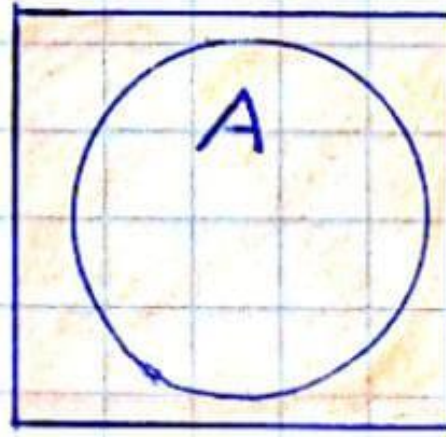
u = Universo

$\emptyset$ = Vacío



PROPIEDAD DISTRIBUTIVA DE DOMINACIÓN

Dominación

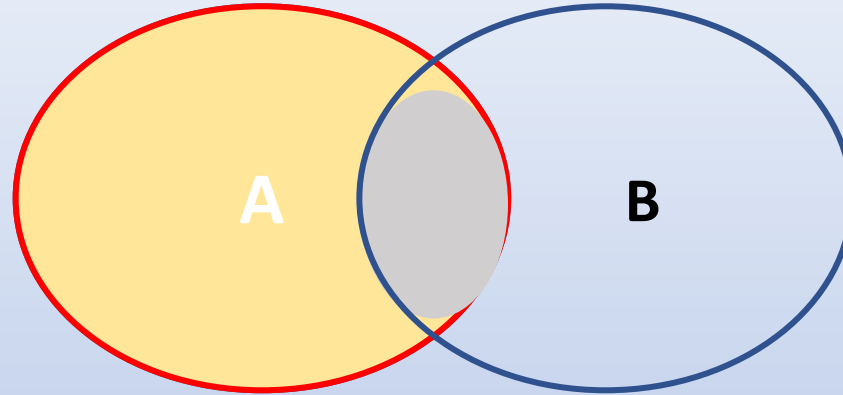


$$Y \cup A = Y$$

$$A \cap \emptyset = \emptyset$$

PROPIEDAD DISTRIBUTIVA DE LA ABSORCIÓN

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



PROPIEDAD DISTRIBUTIVA DE LA ABSORCIÓN

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

