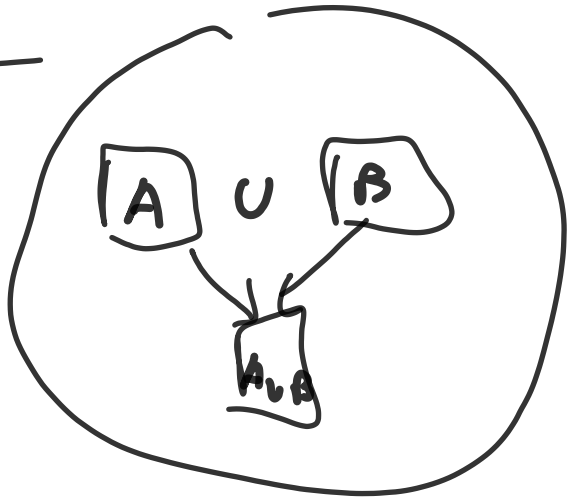
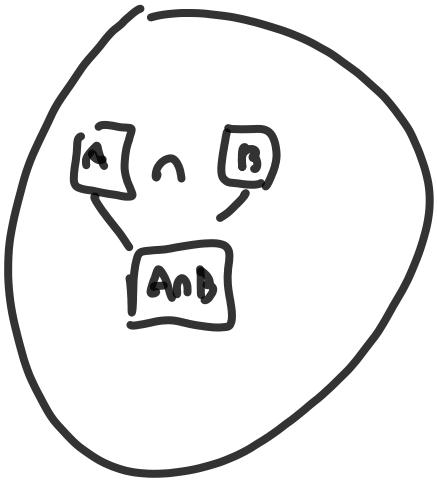
A B

o





15 20

3, 5 2^2, 5 $2^2 \cdot 3 \cdot 5$

1) commut. $A \cup B = B \cup A$

2) assoc. $(A \cup B) \cup C = A \cup (B \cup C)$

3) elem. neutro $A \cup \emptyset = A$

4) opposto

2 -2 A non ∃ B in generale

$2 + (-2) = 0$ $A \cup B = \emptyset$

$x + 5 = 7$ $x = 7 - 5 = 2$

$x + y = z$ $x = z - y$

$$A \cup B = C \Rightarrow A\,?$$

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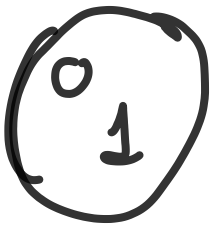
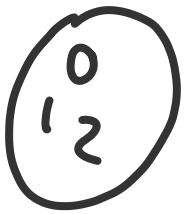
$B =$ 

$C =$ 

$A =$

$A =$

$A =$

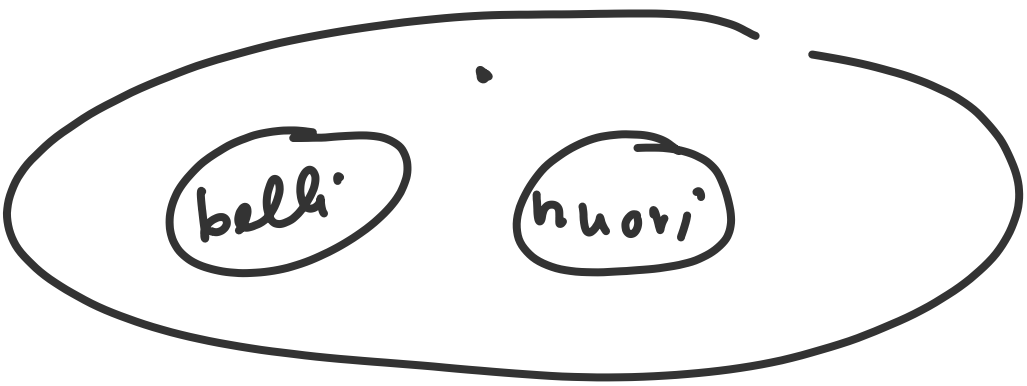
$A =$

$C \setminus B =$ elementi di C che non stanno in B

$$A \cup B = C \Rightarrow A \supseteq C - B$$

$B^c =$ tutto quello che non sta dentro B

$$C \setminus B = C \cap B^c$$



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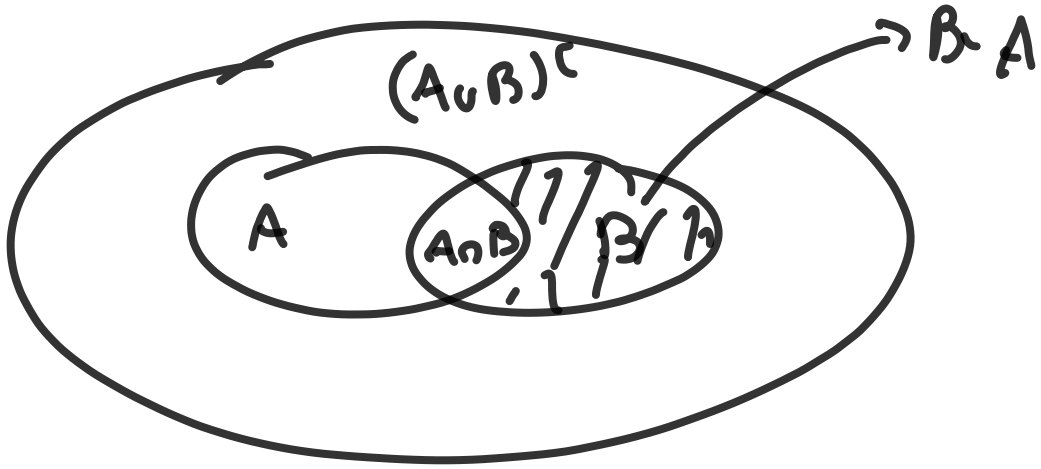
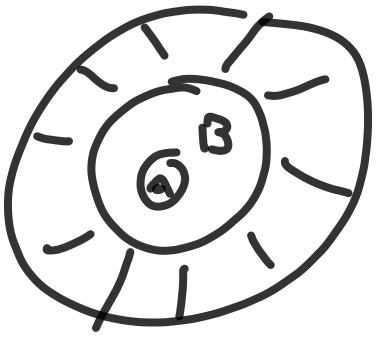


$$\underset{\text{OR}}{(A \cup B)^c} = \underset{\text{AND}}{A^c \cap B^c}$$

$$\underset{\text{AND}}{(A \cap B)^c} = \underset{\text{OR}}{A^c \cup B^c}$$

$A \subseteq B \quad A^c \supseteq B^c$

$a \leq b \Rightarrow -a \geq -b$



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c